HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY

NOTICE OF AND AGENDA FOR A WORKSHOP & REGULAR MEETING TO BE HELD BY THE BOARD OF DIRECTORS

DATE: **MONDAY, FEBRUARY 24, 2014**
TIME: **5:30 PM**
PLACE: **PHARR CITY HALL**
3rd FLOOR, FIRE DEPARTMENT TRAINING ROOM
118 SOUTH CAGE BOULEVARD
PHARR, TEXAS 78577

PRESIDING: DENNIS BURLESON, CHAIRMAN

CALL TO ORDER FOR WORKSHOP

1. Presentation of Strategic Plan Update due to Value Engineering Recommendations for the International Bridge Trade Corridor Project.

ADJOURNMENT FOR WORKSHOP

CALL TO ORDER FOR REGULAR MEETING

PUBLIC COMMENT

1. REPORTS

A. Report on Program Manager Activity for SH 365 and IBTC – Louis Jones, Dannenbaum Engineering

2. CONSENT AGENDA (*All matters listed under Consent Agenda are considered to be routine by the Governing Body and will be enacted by one motion. There will be no separate discussion of these items; however, if discussion is desired, that item(s) will be removed from the Consent Agenda and will be considered separately. The Governing Body may also elect to go into Executive Session on any item on this agenda, whether or not such item(s) are posted as an Executive Session Item, at any time during the meeting when authorized by provisions of the Open Public Meeting Act.)*

A. Approval of Minutes for Regular Meeting held January 22, 2013.
B. Approval of Project & General Expense Report for the period from January 15, 2014 to February 11, 2014.
C. Approval of Financial Report for January 2014.

3. REGULAR AGENDA

A. Resolution 2014-08 – Approval to Scenario 3 of the Value Engineering Study Recommendations for the International Bridge Trade Corridor Project and adoption of the 2014-2019 Strategic Plan.
B. Resolution 2014-09 – Approval of Supplemental Number 1 to Work Authorization Number 8 to Professional Service Agreement with Dannenbaum Engineering for Program and Construction Management for the State Highway 365 and International Bridge Trade Corridor Projects.
C. Resolution 2014-10 – Approval of Work Authorization Number 9 to Professional Service Agreement with Dannenbaum Engineering for Program Management for the State Highway 365 and International Bridge Trade Corridor Projects.
D. Resolution 2014-11 – Approval of Supplemental Number 2 to the Professional Service Agreement with Dannenbaum Engineering to increase the maximum payable amount for Work Authorization Number 9.
E. Resolution 2014-12 – Approval of Supplemental Number 8 to Professional Service Agreement with Atkins North America to prepare a categorical exclusion document to obtain Texas Department of Transportation approval for early right of way acquisition for the International Bridge Trade Corridor Project.
F. Resolution 2014-13 – Approval of Supplemental Number 5 to Professional Service Agreement with Atkins North America to prepare a categorical exclusion document to obtain Texas Department of Transportation approval for early right of way acquisition for the State Highway 365 Project.

4. CHAIRMAN'S REPORT

A. Report on proposed joint meeting with the Cameron County Regional Mobility Authority to discuss the FM 1925 (Monte Cristo Road) Project from FM 491 to I69E.

5. TABLED ITEMS

A. Resolution 2013-59 – Designation of a Hidalgo County Liaison for the Hidalgo County Regional Mobility Authority Board of Directors.

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6. **EXECUTIVE SESSION, CHAPTER 551, TEXAS GOVERNMENT CODE, SECTION 551.071 (CONSULTATION WITH ATTORNEY), SECTION 551.072 (DELIBERATION OF REAL PROPERTY), AND SECTION 551.074 (PERSONNEL MATTERS)**

   A. Consultation with Board Attorney on legal issues pertaining to the proposed Kansas City Southern Railway's South Texas Class I Rail Project (Section 551.071 T.G.C.).
   B. Consultation with Board Attorney on legal issues pertaining to the environmental clearance process for the International Bridge Trade Corridor Project (Section 551.071 T.G.C.).
   C. Consultation with Board Attorney on legal issues pertaining to intervention on the Cross Valley Project (Section 551.071 T.G.C.).
   D. Annual performance evaluation of Pilar Rodriguez, Executive Director (Section 551.074 T.G.C.).

ADJOURNMENT OF REGULAR MEETING

PUBLIC COMMENT POLICY

Public Comment Policy: "At the beginning of each HCRMA meeting, the HCRMA will allow for an open public forum/comment period. This comment period shall not exceed one-half (1/2) hour in length and each speaker will be allowed a maximum of three (3) minutes to speak. All individuals desiring to address the HCRMA must be signed up to do so, prior to the open comment period. The purpose of this comment period is to provide the public an opportunity to address issues or topics that are under the jurisdiction of the HCRMA. For issues or topics which are not otherwise part of the posted agenda for the meeting, HCRMA members may direct staff to investigate the issue or topic further. No action or discussion shall be taken on issues or topics which are not part of the posted agenda for the meeting. Members of the public may be recognized on posted agenda items deemed appropriate by the Chairman as these items are considered, and the same time limitations (3 minutes) applies."

C E R T I F I C A T I O N

I, the Undersigned Authority, do hereby certify that the attached agenda of the Hidalgo County Regional Mobility Authority Board of Directors is a true and correct copy and that I posted a true and correct copy of said notice on the Hidalgo County Regional Mobility Authority Web Page (www.hcrma.net) and the bulletin board in the Hidalgo County Court House (100 North Closner, Edinburg, Texas 78539), a place convenient and readily accessible to the general public at all times, and said Notice was posted on the **18th** day of **February 2014** at **12:00 pm** and will remain so posted continuously for at least 72 hours preceding the scheduled time of said meeting in accordance with Chapter 551 of the Texas Government Code.

Flor E. Koll
Program Administrator

Note: If you require special accommodations under the Americans with Disabilities Act, please contact Flor E. Koll at 956-402-4762 at least 24 hours before the meeting.

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Workshop Item 1

HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY

AGENDA RECOMMENDATION FORM

BOARD OF DIRECTORS	**X**	**AGENDA ITEM**	**1**
PLANNING COMMITTEE		**DATE SUBMITTED**	**2/11/14**
FINANCE COMMITTEE		**MEETING DATE**	**2/24/14**
TECHNICAL COMMITTEE			

1. Agenda Item: **WORKSHOP ITEM 1 – PRESENTATION OF STRATEGIC PLAN UPDATE DUE TO VALUE ENGINEERING RECOMMENDATIONS FOR THE INTERNATIONAL BRIDGE TRADE CORRIDOR PROJECT.**

2. Nature of Request: (Brief Overview) Attachments: X Yes ___ No

   Presentation of value engineering recommendations for the International Bridge Trade Corridor Project and update to Hidalgo County Regional Mobility Authority Strategic Plan Update.

3. Policy Implication: Board Policy, Local Government Code, Texas Government Code, Texas Transportation Code, TxDOT Policy

4. Budgeted: ___ Yes ___ No X N/A

5. Staff Recommendation**: Presentation only.**

6. Program Manager's Recommendation: ___ Approved ___ Disapproved **X** None

7. Planning Committee's Recommendation: ___ Approved ___ Disapproved **X** None

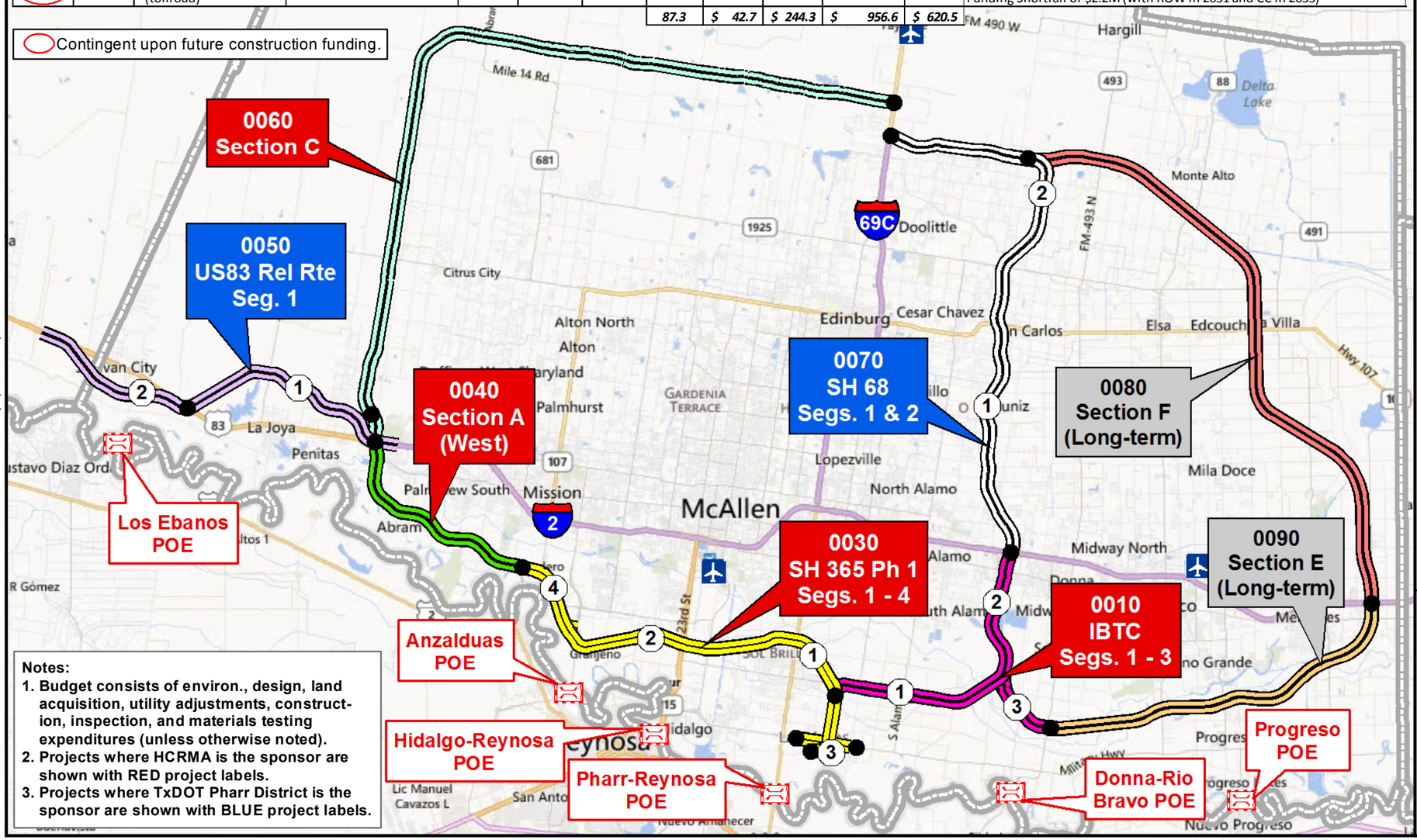
8. Board Attorney's Recommendation: ___ Approved ___ Disapproved **X** None

9. Chief Financial Officer's Recommendation: ___ Approved ___ Disapproved **X** None

10. Executive Director's Recommendation: ___ Approved ___ Disapproved **X** None

Project Letting	Project Sponsor	Project Name	Project Limits	Project Number	Env. Clearance	Constr. Ends	Length (Miles)	ENG ($M)	ROW ($M)	CC at Letting ($M)	Budget ($M)	Project Funding / Other Notes
09/2014	HCRMA	SH 365 Ph 1 (Seg. 3) (nontoll)	0.45mi E of Spur 600 to FM 2557 incld MilHwy OP	0033	10/2014	06/2016	1.84	$ 1.4	$ 3.0	$ 17.4	$ 22.7	Fed. $6.6; Local $16.2M (VRF); Fully Funded
04/2015	TxDOT	US83 Rel. Rte. Seg. 1 (nontoll frontage	0.85 Mi East of FM 886 to 0.28 Mi W. of Showers Rd	0050	06/2014	07/2018	8.30	TxDOT In-house	$ 18.0	$ 65.5	$ 83.5	State $60M; Fed. $23.5M; Fully Funded
09/2015	HCRMA	SH 365 Ph 1 (Segs. 1&2) (tollroad)	FM 396 to US 281	0030	10/2014	06/2018	13.31	$ 10.8	$ 51.6	$ 137.4	$ 209.4	Env. Clearance Segs. 1-4; State $112M; Local $97.4M (VRF/Toll Rev. Bonds); Fully Funded for Segs. 1-3
09/2015	HCRMA	SH 365 Ph 2 (Seg. 4) (tollroad)	FM 1016 to FM 396	0034	10/2014	06/2018	2.65	$ 2.1	$ 5.4	$ 30.7	$ 40.7	Funding Shortfall $40.7M for Seg. 4
09/2015	HCRMA	IBTC (Segs. 1-3) (tollroad)	FM 3072 to IH-2 (mainlanes), to FM 493 (connector rd)	0010	05/2015	06/2018	13.06	$ 12.5	$ 40.2	$ 108.3	$ 169.8	Env. Clearance Segs. 1-3; State Match $25M; Local Funds $42.8M (VRF/Toll Rev. bonds); Funding Shortfall $102M (incld. $3M for Seg. 3 connector rd, per VE Study); Can meet letting date if fully funded
04/2016	TxDOT	SH 68 (nontoll frontage roads)	Env: I-69C to IH-2; Constr: FM 1925 to IH-2	0070	12/2015	04/2019	10.00	$ 6.5	$ 23.5	$ 55.0	$ 85.0	Env. Clearance Segs. 1+2 or all 19.9Mi; 10 Mi of Frontage Roads Fully Funded
02/2025	HCRMA	Section C (tollroad)	IH-2 to IH-69C	0060	05/2019	06/2028	29.85	$ 7.2	$ 80.2	$ 407.3	$ 7.2	Eng. covers Advance Planning Only (Env./Schem./Topo); Local Funds; Funding Shortfall of $7.27M (with ROW in 2022 and CC in 2025)
09/2033	HCRMA	Section A (West) (tollroad)	FM 1016 to IH-2	0040	05/2019	12/2036	8.26	$ 2.2	$ 22.4	$ 135.0	$ 2.2	Eng. covers Advance Planning Only (Env./Schem./Topo); Local Funds; Funding Shortfall of $2.2M (with ROW in 2031 and CC in 2033)
							87.3	***$ 42.7***	***$ 244.3***	***$ 956.6***	***$ 620.5***	

Contingent upon future construction funding.



Notes:
1. Budget consists of environ., design, land acquisition, utility adjustments, construct-ion, inspection, and materials testing expenditures (unless otherwise noted).
2. Projects where HCRMA is the sponsor are shown with RED project labels.
3. Projects where TxDOT Pharr District is the sponsor are shown with BLUE project labels.

Path: G:\1540\4652\PM\GIS\EXHIBITS\2014-02-13 StratPln Map (HCRMA).mxd

HCRMA
HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY
DANNENBAUM - PROGRAM MANAGER
1109 NOLANA LOOP, STE 208 McALLEN, TX 78504 (956)682-3677

SHORT TERM STRATEGIC PLAN 2014-2022

ALIGNMENT
- 0010 IBTC
- 0030 SH365
- 0040 Section A West
- 0050 US 83 Rel Rte
- 0060 Section C
- 0070 SH 68 (Section D)
- 0080 Section F
- 0090 Section E

TRANSPORTATION
- Airport
- International Bridge

ENVIRONMENTAL
- HAZMAT
- Oil & Gas Well (Hrz-Top)
- Oil & Gas Well (Vrt-Top)
- Oil & Gas Pipeline
- Wetland

DRAINAGE
- HCDD1 Boundary
- HCDD1 Drainage Sys.

WATERWAY
- Elevation Contour (2 Ft)
- Waterway
- Floodway
- 100 Year Floodplain

IRRIGATION
- LRGV Diversion Pnt.
- LRGV Irrigation Canal
- LRGV Water Storage
- LRGV Irrigation Dist. (Ex. Colors)

BOUNDARY
- LRGV County
- Other County
- City (Ex. Colors)
- Parcel
- Park - Hidalgo Bus.
- Park - TX StratMap
- Cultural - TX StratMap
- TRZ
- LU/LC (Ex. Colors)
- School Dist. (Ex. Colors)

HIDALGO DISTRICT
- District 1
- District 2
- District 3
- District 4

BING-BASEMAP
- Bing Maps Hybrid
- Bing Maps Aerial
- Bing Maps Road

SUBJECT TO BOARD REVIEW & APPROVAL 02/26/2014

Disclaimer: This product is for informational purposes only and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. It does not represent an on-the-ground survey and represents only the approximate relative location of boundaries. No claims are made to the accuracy or completeness of the information shown herein nor to its suitability for a particular use. The scale and location of all mapped data are approximate.

Scale: 0 2.5 5 10 Miles

Author: E. Davila **Date Saved: 2/13/2014**

International Bridge Trade Corridor

DRAFT Value Engineering Study Report

for

HCRMA
HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY
DANNENBAUM - PROGRAM MANAGER
1109 NOLANA LOOP, STE 208 McALLEN, TX 78504 (956)682-3677

Project Number 220172

November 11–15, 2013

Prepared by
HDR Engineering, Inc.
1001 SW 5th Street,
Suite 1800
Portland, OR 97204

HDR

Disclaimer

The information contained in this report is the professional opinions of the team members during the Value Engineering study. These opinions were based on the information provided to the team at the time of the study. As the project continues to develop, new information will become available and this information will need to be evaluated on how it may effect the recommendations and findings in this report. All costs displayed in the report are based on best available information at the time of the study and, unless otherwise noted, are in current year dollars. Any graphics, photos, drawings, maps, etc., used in the report were supplied by the study sponsor or developed during the time of the study.

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Appendix A. Value Engineering Process

Appendix B. VE Study Agenda and Attendees

Appendix C. VE Recommendation Approval Form

Appendix D. Project Estimate

Appendix E. Design Considerations and Validation

Appendix F. Report-out Presentation

Executive Summary

Introduction

The purpose of the Value Engineering (VE) team was to review and improve on various concepts for the construction of the proposed International Bridge Trade Corridor (IBTC) in Hidalgo County, Texas. This project is currently in the 30 percent design phase.

The purpose of the proposed project is supported by the needs that have been previously identified, documented, and presented to local agencies, public officials, and the public. The intent is to:

- Improve north-south mobility and interconnectivity necessary to effectively distribute traffic between exiting and planned border crossings, and the interior U.S. highway network.
- Reduce community disruption associated with increasing freight movement originating from and destined to the border to access local freight transfer facilities.
- Provide a facility that can handle projected freight and auto traffic from the Pharr/Reynosa and Donna/Rio Bravo International Bridges.
- Address safety concerns about the mix of vehicle types and conflicting movements on the arterial and local street network.
- Identify alternative funding sources.

Fourteen subject-matter experts and stakeholders made up the study team.

VE Recommendations

The VE team generated 47 ideas for the project. These concepts were compared against the baseline developed by the project team. The concepts that performed the best were further developed by the VE team. The individual recommendations are summarized below; the detailed information about each recommendation is included in Section 7 of this report.

Table ES-1. Summary of Recommendations

#	Description	Cost Delta ($M)	Value Improvement (%)
1	Shorten Floodway Bridge	(5.06)	1
2	2-Lane Floodway Bridge	(7.34)	17
3	Single 4-Lane Floodway Bridge	(0.26)	4
4	Shorter Bridge Spans	(1.06)	1
5	Single Lane Direct Connects	(3.52)	6
6	Tower Road	(1.52)	8
7	Eliminate Border Road Underpass	(1.41)	5

Table ES-1. Summary of Recommendations

#	Description	Cost Delta ($M)	Value Improvement (%)
8	Donna Leg SBEBDC (Shorten Bridge–Revise Alignment)	(0.71)	2
9	Donna Reservoir Bridge	(3.23)	7
10	Remove EBSB and NBEB Direct Connectors	(5.23)	9
11	Remove all Direct Connectors at I-2	(10.73)	14
12	Thinner Superstructure over RR	(0.40)	0
13	Drainage Channel Realignment STA 350	(0.21)	8
14	Replace Culvert with Open Channel STA 765	(0.68)	0
15	Shorten Culvert from Canal at STA 780+00	(0.11)	0
16	Build from the Middle	(0.40)	4
17	Defer Donna Leg to the East	(17.90)	23
18	Defer Ramps	(2.31)	3
19	Realignment of IBTC from Alamo to Donna Reservoir	(20.42)	43

Table ES-2 is a reflection of three scenarios. An explanation relating to the application values to Scenario 3 are detailed in Section 7.2.

Table ES-2. Recommendation Cost Scenarios

#	Description	Cost Delta ($M)	Scenario 1	Scenario 2	Scenario 3*
1	Shorten Floodway Bridge	($5.06)	($5.06)	($5.06)	
2	2-Lane Floodway Bridge	(7.34)		(5.36)	($5.87)
3	Single 4-Lane Floodway Bridge	(0.26)	(0.23)		(0.21)
4	Shorter Bridge Spans	(1.06)	(1.06)	(1.06)	(0.09)
5	Single Lane Direct Connects	(3.52)	(3.52)	(3.52)	(3.52)
6	Tower Road	(1.52)	(1.52)	(1.52)	
7	Eliminate Border Road Underpass	(1.41)	(1.41)	(1.41)	
8	Donna Leg SBEBDC (Shorten Bridge–Revise Alignment)	(0.71)	(0.71)		
9	Donna Reservoir Bridge	(3.23)	(3.23)	(3.23)	

Table ES-2. Recommendation Cost Scenarios

#	Description	Cost Delta ($M)	Scenario 1	Scenario 2	Scenario 3*
10	Remove EBSB and NBEB Direct Connectors	(5.23)	(5.23)		
11	Remove all Direct Connectors at I-2	(10.73)		(10.73)	(10.73)
12	Thinner Superstructure over RR	(0.40)	(0.40)	0.40)	(0.40)
13	Drainage Channel Realignment STA 350	(0.21)	(0.21)	(0.21)	(0.21)
14	Replace Culvert with Open Channel STA 765	(0.68)			
15	Shorten Culvert from Canal at STA 780+00	(0.11)	(0.11)	(0.11)	(0.11)
16	Build from the Middle	(0.40)	(0.17)	(0.40)	
17	Defer Donna Leg to the East	(17.90)		(17.90)	(15.70)
18	Defer Ramps	(2.31)	(2.31)	(2.31)	
19	Realignment of IBTC from Alamo to Donna Reservoir	(20.42)			(20.42)
	Total		**($25.17)**	**($53.22)**	**($57.26)**

*For scenario 3, modifications were made to recommendations 1 through 18. These are also detailed in Section 7.2.

Implementation of Recommendations

To facilitate implementation, a Value Engineering Recommendation Approval Form is included as Appendix C. If the state elects to reject or modify a recommendation, please include a brief explanation of why.

The VE team wishes to express its appreciation to the project design managers for the excellent support they provided during the study. Hopefully, the recommendations and other ideas provided will assist in the management decisions necessary to move the project forward through the project delivery process.

Donald Owings, PE, CVS
VE Team Leader

1 Introduction

This VE report summarizes the events of the VE study conducted for the Hidalgo County Regional Mobility Authority (HCRMA), which was facilitated by HDR. The subject of the study was the International Bridge Trade Corridor (IBTC) project.

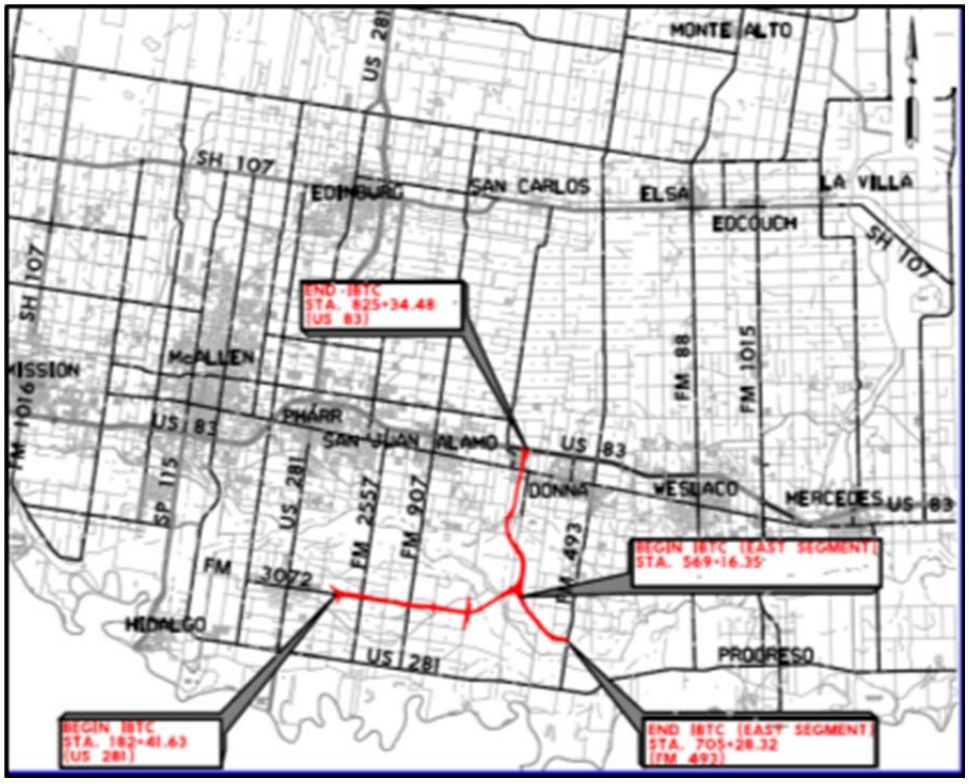
The VE study was conducted November 11–15, 2013.

1.1 Project Overview

The HCRMA, in cooperation with the Texas Department of Transportation (TxDOT) Pharr District, proposes to construct a 6-lane, divided, controlled-access ultimate section facility extending from U.S. Highway (US) 83 (0.5 miles east of Farm-to-Market [FM] 1423) to US 281 (Military Highway) at San Juan Road and to FM 493, approximately 1.5 miles north of US 281; a length of about 14.7 miles. This project, referred to as IBTC, is part of a larger initiative organized by the HCRMA to construct a toll facility that would connect all of the international bridges in Hidalgo County to relieve traffic and improve safety. The IBTC traverses approximately 15 miles, generally paralleling the Rio Grande River within a 160- to 300-foot right-of-way, expanding to 400 feet at identified overpass locations.

The IBTC is a phased project with Phase I consisting of a controlled access 4-lane divided tolled facility with two 12-foot-wide travel lanes in each direction, with a 10-foot-wide outside shoulder and a 4-foot-wide inside shoulder. Phase II would involve the construction of the ultimate facility, a tolled controlled-access 6-lane divided highway.

Figure 1. Project Area



Hidalgo County is also the center of economic activity between the U.S. and the Americas. Currently there is a lack of mobility and connectivity to US 83 from the Pharr-Reynosa and Donna-Rio Bravo International Bridges. Manufacturing plants on both sides of the border move goods throughout the region; therefore, there is a heavy mix of truck and auto traffic using the current insufficient street networks. This mixing of various types of traffic generates disruption within local communities.

The purpose of the proposed project is to improve mobility and interconnectivity, reduce community disruption, provide a facility that can handle freight and auto traffic, improve safety, and identify alternative funding sources.

1.2 Approach

Value engineering has traditionally been perceived as an effective means for reducing project costs. This paradigm only addresses one part of the value equation, oftentimes at the expense of overlooking the role that value engineering can play to improve project performance. To address this issue, a performance-based VE approach was used.

The primary objective of any VE study is to improve the value of the project. A simple way to think of value in terms of an equation is shown at right.

$$Value = \frac{Performance}{Cost}$$

While project costs are fairly easy to quantify and compare through traditional estimating techniques, performance is not so easily quantifiable.

The use of performance measures provides the cornerstone of the performance-based VE process by giving a systematic and structured way of considering the relationship of a project's performance and cost as it relates to value. Project performance must be properly defined and agreed on by the stakeholders at the beginning of the VE study. The performance attributes and requirements that are developed are then used throughout the study to identify, evaluate, and document alternatives.

The application of performance-based VE consists of the following steps:

1. Identify key project (scope and delivery) performance attributes and requirements for the project.
2. Establish the hierarchy and impact of these attributes on the project.
3. Establish the baseline of the current project performance by evaluating and rating the effectiveness of the current design concepts.
4. Identify the change in performance of alternative project concepts generated by the study.
5. Measure the aggregate effect of alternative concepts relative to the baseline project's performance as a measure of overall value improvement.

The following are the key project performance attributes that were used in this VE study:

- Operational impacts
- Revenue impacts
- Maintainability
- Construction impacts

- Environmental impacts
- Project schedule

A detailed definition of the performance attributes can be found in Section 3.4 of this report.

1.3 VE Study Timing

The VE study is being conducted while the project is in the 30 percent design phase.

1.4 Scope of the VE Study

The purpose of the study, through execution of the VE job plan (see Appendix A), was to:

- Verify or improve on the various concepts for the identified section of the IBTC project.
- Conduct a thorough review and analysis of the project using a multidiscipline, cross-functional team.
- Improve the value of the project through innovative measures aimed at improving the performance while reducing costs of the project.

1.5 VE Team Members

The VE team included:

- Baez Gustavo, TxDOT
- Lori Buffington, HDR
- Tom Darnold, Dannenbaum
- Eric Davila, Dannenbaum
- Al Flores, Dannenbaum
- David Galindo, Dannenbaum
- Louis Jones, Dannenbaum
- Gustavo Lopez, Dannenbaum
- Michel Maksoud, Dannenbaum
- Don Owings, HDR
- Griselda Saldivar, TxDOT
- Sam Saldivar, HDR
- Richard Seitz, Dannenbaum
- Robert Stone, Atkins

2 Project Information

Presently there are five international bridges in Hidalgo County for cross-border travel between the U.S. and Mexico:

- The existing Anzalduas International Bridge connects the south McAllen and Mission international trade areas to the west end of Reynosa, Mexico, where many maquiladoras and other cross-border businesses are located.
- The Donna/Rio Bravo International Bridge, completed in December 2010, is located near US 281 (Military Highway) and FM 493. The main purpose of this bridge is to provide access to commercial traffic. This bridge promotes direct economic growth for the cities of Donna, Weslaco, and Mercedes, Texas, and the Rio Bravo Region in Mexico.
- The existing Hidalgo/Reynosa International Bridge connects McAllen, Texas to Reynosa, Mexico, and primarily serves noncommercial vehicle and pedestrian traffic.
- The existing Pharr/Reynosa International Bridge connects to US 281 in Pharr, Texas. This facility serves noncommercial and commercial vehicle traffic and pedestrians. It was built to relieve congestion on the existing McAllen/Hidalgo/Reynosa International Bridge; specifically, commercial traffic congestion.
- The existing Progreso International Bridge connects Nuevo Progreso in Mexico with the towns of Progreso and Progreso Lakes, Texas, in the U.S. This facility serves noncommercial and commercial vehicle traffic and pedestrians.

The five international bridges were constructed primarily to facilitate automobile and pedestrian traffic, thus they do not efficiently connect to routes that can be used to access freight transfer facilities/FTZs and distribute freight beyond Hidalgo County. The existing routes north and south of US 83 Expressway and east and west of US 281 are not direct or continuous; rather, they are circuitous, providing poor north-south connectivity between destinations south of US 83 Expressway and east-west of US 281 to efficiently facilitate the movement of trucks and autos.

This project, referred to as IBTC, proposes to construct a tolled, controlled access 6-lane divided highway system extending from US 83 to US 281 is part of a larger initiative organized to construct a toll facility that would connect all of the international bridges in Hidalgo County to relieve traffic and improve safety.

2.1 Project History

1996 – The Hidalgo County Metropolitan Planning Organization and TxDOT Pharr District agreed on the need to construct a loop within a corridor study area.

2002 – Hidalgo County Commissioners Court conducted a route study to develop an entire loop highway system around the perimeter of the major cities near the outer Hidalgo County limits. This corridor was presented at various stakeholders meetings and public information workshops. The technically preferred corridors were approved in April 2003.

2005 – The Texas Transportation Commission approved the creation of the HCRMA for the purpose of developing roads in Hidalgo County. Initially, the mission was to develop the Hidalgo Loop project and supplement the transportation network planned by TxDOT.

2007 – In addition to developing more defined alternative alignments within the established corridors, the HCRMA decided to study a new mid-valley corridor study area. This new corridor would provide needed mobility from the newly proposed Donna International Bridge, presently under construction, to access US 83 and US 281 north of the county.

2008 – The corridor study area was divided into six sections (A through F) of independent utility, which would not curtail or obligate improvements in other areas of the proposed Hidalgo Loop system.

2009 – The feasibility of the original Hidalgo Loop concept was reevaluated. The results led to the removal of the Hidalgo Loop, as previously envisioned from the 2010-2035 Hidalgo County Metropolitan Transportation Plan. As a result, the HCRMA redefined and advanced two independent projects (the Hidalgo International Bridge Trade Corridor (IBTC) and the SH 365/Trade Corridor Connector) to address the regional transportation needs relating to border crossing traffic on the local street network and connectivity to the freeway system and local freight facilities.

2010 – A public meeting was held to present to the public the evaluation of three alternatives for the SH 365/Trade Corridor Connector, present the matrix assessing the various environmental elements evaluated, and introduce the technically preferred alignment with the least impacts along this study area for consideration.

2.2 Project Purpose

The purpose of the proposed project is to enhance transportation connectivity to destinations in and around Hidalgo County and to provide a safe, mobile, and effective alternative to move people and goods from the International ports of entry north to US 83 Expressway. The proposed high mobility corridor will be distinctively designed for truck movement circumventing highly populated metropolitan areas.

This corridor will be able to reduce delays and increase the trade capacity between Mexico and the U.S. by providing better connecting access points to the proposed and existing Mexican infrastructure.

The purpose of the proposed project is supported by the needs which have been previously identified, documented, and presented to local agencies, public officials, and the public. The intent is to:

- Improve north-south mobility and interconnectivity necessary to effectively distribute traffic between exiting and planned border crossings, and the interior U.S. highway network.
- Reduce community disruption associated with increasing freight movement originating from and destined to the border to access local freight transfer facilities.
- Provide a facility that can handle projected freight and auto traffic from the Pharr/Reynosa and Donna/Rio Bravo International Bridges.

- Address safety concerns about the mix of vehicle types and conflicting movements on the arterial and local street network.
- Identify alternative funding sources.

2.3 Project Need

The project needs for the IBTC have been identified through the evaluation of existing transportation facilities, the assessment of social and economic conditions in the project area and region, consultation with affected communities, and input from public meetings and the business community. The project needs are summarized below.

- Lack of north-south mobility and connectivity to US 83 Expressway from the Pharr/Reynosa and Donna/Rio Bravo International Bridges.
- South of US 83 Expressway, freight movement originating from and destined to the border are limited to using local roads, which disrupts communities.
- The existing street network is insufficient to handle projected freight and auto traffic from the Pharr/Reynosa and Donna/Rio Bravo International Bridges.
- The concerns over the mix of truck/auto traffic and conflicting movements on the existing street network.
- Forecasted transportation funding is insufficient to finance needed transportation improvements

2.4 Constraints and Controlling Decisions

As part of the project briefing, the VE team was given the following project constraints and controlling decisions that needed to be taken into account when considering possible alternatives:

- Frontage areas east/west up to Border Road have to remain.
- TxDOT requires overpasses at all on-system (FM) roads.
- Design speed is 70 mph (needs to meet Interstate standards).
- Median width of typical section is 40 feet.
- Section consists of 12-foot travel lanes with 10-foot right shoulder and 4-foot right shoulder.

2.5 Site Observations

As part of the project overview, the design team displayed a ‘flyover’ review of the proposed IBTC using 3D software. The following observations were made as a result of the site visit:

- West to east
  - FM 3072 goes through Las Milpas, which is an important intersection.
  - TxDOT-owned system right-of-way. HCRMA will be acquiring it.
- Requires a floodway bridge crossing from levee to levee

- Current agreement exists between RMA and USIBWC.
- USIBWC has to have clearance on top of levee for access along the levee.
- LaDonna Lake is environmentally sensitive – chemical residues in soil (PCBs)
- US 83 has been officially designated as an Interstate Highway (I-2); a letter has been sent out to inquire about changes in federal and state requirements.
- Proposed intersection after floodway (S Valley View Rd) has a left hand merging lane, which could cause problems.
- Traffic volumes on the direct connector ramps may not even warrant a 2-lane

2.6 Project Schedule

The project is currently at 30 percent design. Although funding has not been approved, it is anticipated that the project will be under construction by April 2017 and completed by October 2019.

2.7 Project Cost Estimate

At the time of the study, the VE team was provided a detailed project estimate that was developed for the 30 percent design. The anticipated cost of the project expressed in the 30 percent estimate was $171,202,849. See Section 3.2 and Appendix D for estimate details.

2.8 Information Provided to the VE Team

Table 1 lists the project documents that were provided to the VE team for their use during the study.

Table 1. Information Provided to the VE Team

Document	Date
IBTC Construction Estimate	November 5, 2013
Schematics	October 30, 2013
Location Map	November 4, 2013
Project Development Agreement	December 10, 2010
Market Validation Agreement	June 24, 2010
Investment Grade Traffic and Revenue Study Draft V.3 Report	October 2010
Intermediate Traffic and Revenue Study Draft V.1 Report – SH 365 and IBTC	February 2013
Section B Preliminary Alternatives Corridor Analysis Technical Memorandum	May 26, 2009
Sections B&D Preliminary Alternatives Corridor Analysis Technical Memorandum	August 2008

Table 1. Information Provided to the VE Team

Document	Date
Environmental Documents:	
Public Meeting Summary Report	May 13, 2010
Final Wetlands Report	September 6, 2010
Cultural Resources Survey Report	November 5, 2010
Phase II Environmental Assessment Report	November 23, 2010
Public Hearing Summary and Analysis Report	December 15, 2010
Final Environmental Assessment	May 20, 2011
Environmental Permits, Issues, and Comments (EPIC) Sheet	May 23, 2011
Basis of Estimate for Roadway Asphalt and Lime Quantities from L&G Engineering	April 27, 2010
SH 365 Asphalt Treated Base Design	Undated

3 Project Analysis

3.1 Summary of Analysis

In addition to the project information (Section 2), the VE team used a series of tools to gain additional knowledge and a better understanding of the project. The following analysis tools were used to study the project, and are explained in greater detail in this chapter:

- Cost Model
- Functional Analysis
- FAST Diagram
- Value Matrix

3.2 Cost Model

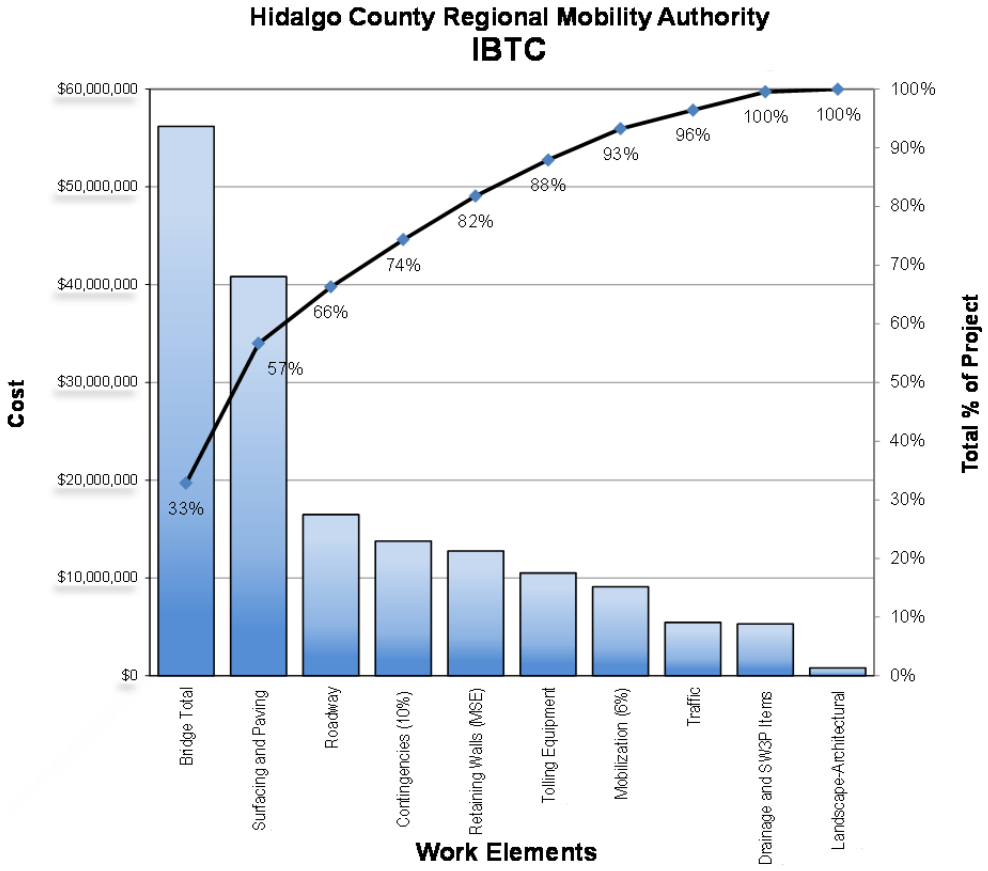
The VE team leader prepared a cost model from the cost estimate, which was provided by the project team. The model is organized to identify major construction elements or trade categories, the designer's estimated costs, and the percent of total project cost for the significant cost items (see Table 2).

The cost models clearly showed the cost drivers for the project and were used to guide the VE team during the VE study.

Table 2. Pareto Cost Model – Baseline Concept

Cost Item	Cost	Cumulative (%)	% of Total
Bridge Total	$56,186,535.00	33	32.8
Surfacing and Paving	40,820,053.90	57	23.8
Roadway	16,485,431.00	66	9.6
Contingencies (10%)	13,781,702.33	74	8.0
Retaining Walls (MSE)	12,761,400.00	82	7.5
Tolling Equipment	10,508,200.00	88	6.1
Mobilization (6%)	9,095,923.54	93	5.3
Traffic	5,447,739.38	96	3.2
Drainage and SW3P Items	5,307,641.39	100	3.1
Landscape-Architectural	808,222.66	100	0.5
TOTAL	**$171,202,849.20**	**100**	**100.0**

Figure 2. Pareto Cost Model



3.3 Functional Analysis

Function analysis results in a unique view of the study project. It transforms project elements into functions, which moves the VE team mentally away from the original design and takes it toward a functional concept of the project. Functions are defined in verb-noun statements to reduce the needs of the project to their most elemental level (see Table 3). Identifying the functions of the major design elements of the project allows a broader consideration of alternative ways to accomplish the functions.

Table 3. Functional Analysis Noun-Verb Statements

Component	Verb	Noun
Bridges	Span Span Span	Channel Floodway Roadway
Drainage Structures	Convey Retain Treat	Runoff Runoff Runoff
Earthwork	Raise/lower Reduce Support	Roadway Structure Pavement

Table 3. Functional Analysis Noun-Verb Statements

Component	Verb	Noun
Overall Project	Reduce Improve Upgrade/Meet Increase Generate	Congestion Mobility Standards Capacity Revenue
Pavement	Support	Loads
Phasing	Defer Maximize Prioritize	Costs Funding Segments
Retaining Wall	Support Minimize Minimize	Embankment Right-of-way Structure length
Stage Construction	Manage Maintain Protect Facilitate/Allow Inform Detour	Traffic Traffic Workers/Motorists Construction Public Traffic

3.4 Performance Attributes

Performance attributes can generally be divided between project scope components (highway operations, environmental impacts, maintainability, and system preservation) and project delivery components. It is important to make a distinction between performance *attributes* and performance *requirements*. Performance requirements are mandatory and binary in nature. All performance requirements MUST be met by any VE alternative concept being considered. Performance attributes possess a range of acceptable levels of performance. For example, if the project was the design and construction of a new bridge, a performance requirement might be that the bridge must meet all current seismic design criteria. In contrast, a performance attribute might be project schedule, which means that a wide range of alternatives could be acceptable that had different durations.

For the purposes of this VE study, the performance attributes listed below were used. Specific definitions of each attribute can be found in Table 4.

- Operational impacts
- Revenue impacts
- Maintainability
- Construction impacts
- Environmental impacts
- Project schedule

Table 4. Performance Attributes and Description: IBTC

Performance Attribute	Description of Attribute
Operational Impacts	An assessment of traffic operations and safety on the main line IBTC , frontage roads, and local facilities. Operational considerations include level of service relative to the 30-year traffic projections as well as geometric considerations such as design speed, sight distance, lane widths and shoulder widths, bicycle and pedestrian operations and access, including any shared use paths. The assessment also includes interchange spacing, ramp ingress and egress, as well as weaving.
Revenue Impacts	An assessment of long term revenue generation on the facility, including consideration of type of tolling system, length of ramp-up period, toll enforcement and the level of toll evaders (International traffic), the types of rates for special purpose vehicles, operating cost, operating contract type and terms, ability to adjust rates, and approvals required.
Maintainability	An assessment of the long-term maintainability of the transportation facilities. Maintenance considerations include the overall durability, longevity and maintainability of pavements, structures and systems; ease of maintenance; accessibility and safety considerations for maintenance personnel.
Construction Impacts	An assessment of the temporary impacts to the public during construction related to traffic disruptions, detours and delays; impacts to businesses and residents relative to access, visual, noise, vibration, dust, and construction traffic. Includes an assessment of temporary environmental impacts related to water quality, air quality, soil erosion, and local flora and fauna.
Environmental Impacts	An assessment of the permanent impacts to the natural and built environment, including ecological (i.e., flora, fauna, air quality, water quality, visual, noise); socioeconomic impacts (i.e., environmental justice); impacts to cultural, recreational and historic resources. This includes right-of-way.
Project Schedule	An assessment of the total project delivery as measured from the time of the VE study to completion of construction. Based on 2012 Strategic Plan Update–under construction by April 2017; construction ends October 2019.

3.5 Performance Attribute Matrix

The performance attribute matrix was used to determine the relative importance of the performance attributes for the project. The project owner, design team, and stakeholders evaluated the relative importance of the performance attributes that would be used to evaluate the creative ideas.

These attributes were compared in pairs, asking the question: “An improvement to which attribute will provide the greatest benefit to the project relative to need and purpose?” The letter code (e.g., “A”) was entered into the matrix for each pair. After all pairs were discussed they were tallied (after normalizing the scores by adding a point to each attribute) and the percentages calculated (see Figure 3).

Figure 3. Performance Attribute Matrix

IBTC								
Which attribute is more important to the project?							**TOTAL**	**%**
Operational Impacts	**A**	B	A	A	A	A	5.0	**23.8%**
Revenue Impacts	**B**	B	B	B	B	B/F	5.5	**26.2%**
Maintainability	**C**	C	E	F			2.0	9.5%
Construction Impacts	**D**	E	D/F				1.5	7.1%
Environmental Impacts	**E**	E					4.0	19.0%
Project Schedule	**F**						3.0	14.3%
							21.0	100%

A	More Important
A/B	Equally Important

4 Speculation/Creative

During the speculation/creative phase the VE team, as a group, generated ideas on how to perform the various functions. The idea list was grouped by function or major project element. All of the ideas generated were recorded in Table 5, below. The final disposition of each idea is included at the end of Section 5, Idea Evaluation.

Table 5. Creative Idea List

Idea No.	Description
Description: Bridges ***Function: Span water, floodway, roadway***	
1.	Shorten floodway bridge–realign levee
2.	2-lane floodway bridge
3.	Single 4-lane floodway bridge
4.	Simplify bridge aesthetics
5.	Shorter bridge spans (vertical abutments at the overpass)
6.	Build bridges from center
7.	Make one lane direct connectors everywhere (Phase 1)
8.	Replace bridges with culverts (STA 455+00, STA 525+00, STA 560+00, and STA 675+00)
9.	Change Tower Road overpass to an underpass
10.	Eliminate the Tower Road bridge (no cross connection)
11.	Change Border Road underpass to an overpass
12.	Eliminate Border Road underpass
13.	IBTC bridge at Valley View interchange–place IBTC on short bridges to allow at-grade connectivity to the south
14.	Consistent cross section across the floodway bridge–revise WBSBDC at the Valley View interchange to remove direct connector acceleration lane from the floodway bridge
15.	Reduce length of SBEBDC – revise alignment
16.	Eliminate Donna Reservoir bridge–replace with equalizing culverts
17.	Remove two of the three direct connectors (south side) from I-2
18.	Eliminate all connectors at I-2
19.	Use thinner superstructure over railroad (reduce span right-of-way only)

Table 5. Creative Idea List

Idea No.	Description
Description: Drainage Structures ***Function: Convey, retain, and treat runoff***	
20.	Tie-in detention facilities to the irrigation system to supplement with rain water
21.	Eliminate the proposed drainage channel realignment from STA 350+00 to STA 385+00 and replace with shorter channel at STA 335+00 (culvert crossing)
22.	Change the irrigation canal from culvert to open ditch at STA 385+00
23.	Replace culvert with open channel at STA 765+00 to STA 775+00
24.	Shorten culvert from canal at STA 780+00
25.	Use multiple, short bridge spans within the footprint of the floodway
Description: Earthwork ***Function: Raise/lower roadway, reduce structure, support pavement***	
26.	Profile optimization – bridge approach grades are not near the 3% max
27.	Build from the middle
28.	Optimize the slope to reduce the embankment
Description: Pavement ***Function: Support loads***	
29.	Redesign pavement sections
30.	Evaluate the use of blackbase
Description: Retaining Wall ***Function: Support embankment, minimize right-of-way, and minimize structure length***	
31.	Use walls to reduce the right-of-way
32.	Evaluate using embankment instead of retaining walls
Description: Overall Project ***Function: Reduce congestion, improve mobility, upgrade/meet standards, increase capacity, generate revenue***	
33.	Defer frontage roads
34.	Defer I-2 direct connections
35.	Defer Donna interchange and leg; accommodate movement with frontage roads
36.	Defer Donna leg direct connectors; utilize one 2-way frontage road
37.	Defer Donna leg to the east (will be included in the environmental document)
38.	Eliminate Donna leg to the east (will require a separate environmental document)

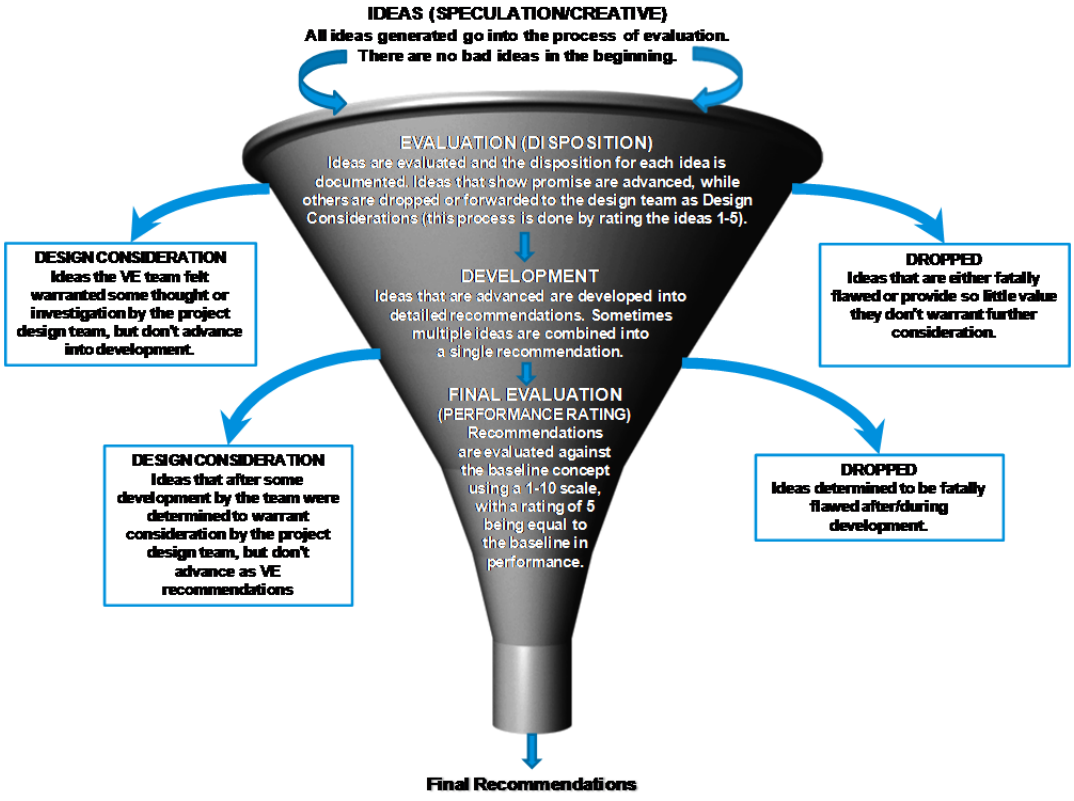
Table 5. Creative Idea List

Idea No.	Description
39.	Defer Donna leg to the east; combine IBTC and SH 68 into one toll facility
40.	Defer IBTC to the north and build to the east
41.	Postpone/delay ramps east of FM 2557, Tower Road, and Border Road and all ramps around Valley View Road
42.	Defer SH 365 direct connectors; use frontage roads
43.	Revise alignment between floodway bridge and Donna leg, eliminating the need for frontage roads
44.	Remove skew at IBTC/I-2 interchange
45.	Straddle canal from STA 770+00 to I-2
46.	Realignment of IBTC from Alamo to Donna Reservoir
47.	Explore increasing retention rate in the T&R study

5 Idea Evaluation

Although each project is different, the evaluation process for each VE effort can be thought of in its simplest form as a way of combining, evaluating, and narrowing ideas until the VE team agrees on the recommendations to be forwarded. Figure 4 depicts the typical information flow for the VE process.

Figure 4. VE Process Information Flow



5.1 Evaluation Process

The evaluation process begins by going through the ideas brainstormed during the speculation/creative phase. Considering the information provided to the VE team at the time of the study, taking into consideration the constraints and controlling decisions that were also given to them, the team discussed the ideas and documented their advantages and disadvantages based on their relationship to the original concept.

The VE team also compared each idea with its original concept to determine whether the performance of the attribute (as introduced in Section 3.4) was better than (⇧), equal to (⇔), or worse than (⇩) the original concept.

Each idea was then carefully evaluated, with the VE team reaching consensus on the overall ranking of the idea (ranking values 1 through 5, as defined below).

5 = Great Opportunity

4 = Good Opportunity

3 = Design Consideration (comparable to project team's approach)

2 = Minor Value Degradation

1 = Major Value Degradation

0 = Withdrawn (unacceptable impact, doesn't meet the project purpose and need, or is already a design requirement)

This ranking resulted in the initial disposition of the idea. High-ranked ideas (those ranked four or higher) were developed further; low-ranked ones (those ranked two or lower) were dropped from further consideration; and those that were considered to be equivalent to the baseline (ranked three) were documented as design considerations.

5.2 Idea Evaluation Form

Description: Bridges
Function: Span water, floodway, roadway

Idea Number	Description		Advantages		Disadvantages	
1	Shorten floodway bridge–realign levee		• Reduces cost • Shortens construction schedule		• Additional scrutiny from USIBWC–licensing the project • Would require realignment of pilot channel if reducing east side • Could create net rise in flood elevation • May impact irrigation and drainage channel	
	Operational Impacts	***Revenue Impacts***	***Maintainability***	***Construction Impacts***	***Environmental Impacts***	***Project Schedule***
	⇔	⇔	⇔	⇔	⇩	⇔
Justification/Comments/Disposition:						
Rating: 4	*Should be evaluated to determine hydraulic and financial feasibility.*					

Ranking Scale:
5 = Great Opportunity
4 = Good Opportunity
3 = Design Consideration (comparable to project team's approach)
2 = Minor value degradation
1 = Major value degradation
0 = Withdrawn (unacceptable impact, doesn't meet purpose and need, or is already a design requirement)

= Advanced as recommendation
= Forwarded as design consideration
= Dropped from future consideration

Performance Attributes: ⇧ Improvement, ⇔ No change, ⇩ Degradation

Idea Number	Description	Advantages	Disadvantages
2	2-lane floodway bridge – assumes divided inside out construction (56-foot total)	• Defers costs to future phase • Potential to reduce overall schedule	• Bridge approaches have two lanes, which will transit to one lane in each direction • May reduce traffic flow • Transition of lanes from outside to inside at bridge • RMA board resolution to be four lanes

Operational Impacts	*Revenue Impacts*	*Maintainability*	*Construction Impacts*	*Environmental Impacts*	*Project Schedule*
⇩	⇔	⇧	⇧	⇔	⇧

Justification/Comments/Disposition:
Rating: 4

Idea Number	Description	Advantages	Disadvantages
3	Single 4-lane floodway bridge	• Reduces costs • Improved constructability (both initial and long term) • Less scour	• Potential nighttime headlight glare issue • Transition of lanes from outside to inside at bridge

Operational Impacts	*Revenue Impacts*	*Maintainability*	*Construction Impacts*	*Environmental Impacts*	*Project Schedule*
⇔	⇔	⇔	⇔	⇔	⇔

Justification/Comments/Disposition:
Rating: 4

Ranking Scale:
5 = Great Opportunity
4 = Good Opportunity
3 = Design Consideration (comparable to project team's approach)
2 = Minor value degradation
1 = Major value degradation
0 = Withdrawn (unacceptable impact, doesn't meet purpose and need, or is already a design requirement)

= Advanced as recommendation
= Forwarded as design consideration
= Dropped from future consideration

Performance Attributes: ⇧ Improvement, ⇔ No change, ⇩ Degradation

Idea Number	Description		Advantages		Disadvantages	
4	Simplify bridge aesthetics		• Reduces cost • Simplifies construction		• May not be acceptable to the RMA	
	Operational Impacts	***Revenue Impacts***	***Maintainability***	***Construction Impacts***	***Environmental Impacts***	***Project Schedule***
	⇔	⇔	⇔	⇧	⇔	⇔
Justification/Comments/Disposition:						
Rating: 3	*It is unknown if the current base estimate includes this.* *There are different requirements between RMA and TxDOT, unable to determine if RMA or TxDOT aesthetic requirements are included n the base estimate.*					

Idea Number	Description		Advantages		Disadvantages	
5	Shorter bridge spans (vertical abutments at the overpass)		• Reduced bridge cost • Shorter bridge spans for the outside spans		• Additional wall costs • Slight inconvenience to the turnaround traffic	
	Operational Impacts	***Revenue Impacts***	***Maintainability***	***Construction Impacts***	***Environmental Impacts***	***Project Schedule***
	⇔	⇔	⇔	⇔	⇔	⇔
Justification/Comments/Disposition:						
Rating: 4						

Ranking Scale:
5 = Great Opportunity
4 = Good Opportunity
3 = Design Consideration (comparable to project team's approach)
2 = Minor value degradation
1 = Major value degradation
0 = Withdrawn (unacceptable impact, doesn't meet purpose and need, or is already a design requirement)

= Advanced as recommendation
= Forwarded as design consideration
= Dropped from future consideration

Performance Attributes: ⇧ Improvement, ⇔ No change, ⇩ Degradation

Idea Number	Description		Advantages		Disadvantages	
6	Build bridges from the center		•		• Undesirable transitions	
	Operational Impacts	***Revenue Impacts***	***Maintainability***	***Construction Impacts***	***Environmental Impacts***	***Project Schedule***
	⇧	⇔	⇩	⇔	⇔	⇔
Justification/Comments/Disposition:						
Rating: 4	*Combine with Idea No. 27*					

Idea Number	Description		Advantages		Disadvantages	
7	Make one lane direct connectors everywhere; defer second lane until traffic volumes warrant		• Reduces initial costs • Consistent with traffic volumes (2035 forecast)		• Makes future expansion difficult – could require taking bridge out of service	
	Operational Impacts	***Revenue Impacts***	***Maintainability***	***Construction Impacts***	***Environmental Impacts***	***Project Schedule***
	⇔	⇔	⇧	⇔	⇔	⇔
Justification/Comments/Disposition:						
Rating: 4						

Ranking Scale:
5 = Great Opportunity
4 = Good Opportunity
3 = Design Consideration (comparable to project team's approach)
2 = Minor value degradation
1 = Major value degradation
0 = Withdrawn (unacceptable impact, doesn't meet purpose and need, or is already a design requirement)

= Advanced as recommendation
= Forwarded as design consideration
= Dropped from future consideration

Performance Attributes: ⇧ Improvement, ⇔ No change, ⇩ Degradation

Idea Number	Description	Advantages	Disadvantages
8	Replace bridges with culverts–STA 455+00 (drainage ditch) and STA 525+00, STA 560+00, and STA 675+00 (irrigation canals)	• Reduced cost • Reduced construction time	• Constructibility–could potentially require rerouting for construction • Construction windows (canals) • May have stakeholder opposition

Operational Impacts	*Revenue Impacts*	*Maintainability*	*Construction Impacts*	*Environmental Impacts*	*Project Schedule*
⇔	⇔	⇧	⇔	⇩	⇧

Justification/Comments/Disposition:	
Rating: 3	*Hydraulic analysis needs to be done to determine the size and feasibility.*

Idea Number	Description	Advantages	Disadvantages
9	Change Tower Road overpass to an underpass and defer	• Reduced cost • No bridge structure at this time • Reduces embankment required • Improve ride on IBTC	• Potential stakeholder resistance

Operational Impacts	*Revenue Impacts*	*Maintainability*	*Construction Impacts*	*Environmental Impacts*	*Project Schedule*
⇔	⇔	⇔	⇔	⇔	⇧

Justification/Comments/Disposition:	
Rating: 5	*Consider being consistent with Cesar Chavez – spacing of connections to IBTC*

Ranking Scale:
5 = Great Opportunity
4 = Good Opportunity
3 = Design Consideration (comparable to project team's approach)
2 = Minor value degradation
1 = Major value degradation
0 = Withdrawn (unacceptable impact, doesn't meet purpose and need, or is already a design requirement)

= Advanced as recommendation
= Forwarded as design consideration
= Dropped from future consideration

Performance Attributes: ⇧ Improvement, ⇔ No change, ⇩ Degradation

Idea Number	Description		Advantages		Disadvantages	
10	Eliminate the Tower Road bridges (no cross connection)		• Reduced cost		• May not be compatible with local thoroughfare plan	
	Operational Impacts	***Revenue Impacts***	***Maintainability***	***Construction Impacts***	***Environmental Impacts***	***Project Schedule***
	⇧	⇔	⇩	⇔	⇔	⇔
Justification/Comments/Disposition:						
Rating: 1	*Not compatible with local thoroughfare plan-deferred under idea 9*					

Idea Number	Description		Advantages		Disadvantages	
11	Change Border Road underpass to an overpass		•		•	
	Operational Impacts	***Revenue Impacts***	***Maintainability***	***Construction Impacts***	***Environmental Impacts***	***Project Schedule***
	⇧	⇔	⇩	⇔	⇔	⇔
Justification/Comments/Disposition:						
Rating: 1	*Dropped in lieu of idea 12*					

Ranking Scale:
5 = Great Opportunity
4 = Good Opportunity
3 = Design Consideration (comparable to project team's approach)
2 = Minor value degradation
1 = Major value degradation
0 = Withdrawn (unacceptable impact, doesn't meet purpose and need, or is already a design requirement)

= Advanced as recommendation
= Forwarded as design consideration
= Dropped from future consideration

Performance Attributes: ⇧ Improvement, ⇔ No change, ⇩ Degradation

Idea Number	Description	Advantages	Disadvantages
12	Eliminate Border Road underpass and continue frontage roads to abutment of floodway bridge (turnaround).	• Reduced cost • Eliminates bridge • Potential less ROW • Reduced embankment • Potential reduction in construction time	• Minor increase in out of direction travel • Add additional roadway • May have to extend floodway bridge • Environmental footprint may be increase slightly.

Operational Impacts	*Revenue Impacts*	*Maintainability*	*Construction Impacts*	*Environmental Impacts*	*Project Schedule*
⇔	⇔	⇧	⇔	⇔	⇧

Justification/Comments/Disposition:	
Rating: 5	

Idea Number	Description	Advantages	Disadvantages
13	IBTC bridge at Valley View interchange– place IBTC on shorter bridges to allow at-grade connectivity to the south	•	•

Operational Impacts	*Revenue Impacts*	*Maintainability*	*Construction Impacts*	*Environmental Impacts*	*Project Schedule*
⇧	⇔	⇩	⇔	⇔	⇔

Justification/Comments/Disposition:	
Rating: 3	*This became Idea No. 35*

Ranking Scale:
5 = Great Opportunity
4 = Good Opportunity
3 = Design Consideration (comparable to project team's approach)
2 = Minor value degradation
1 = Major value degradation
0 = Withdrawn (unacceptable impact, doesn't meet purpose and need, or is already a design requirement)

= Advanced as recommendation
= Forwarded as design consideration
= Dropped from future consideration

Performance Attributes: ⇧ Improvement, ⇔ No change, ⇩ Degradation

Idea Number	Description		Advantages		Disadvantages	
14	Consistent cross section across the floodway bridge–revise WBSBDC at the Valley View interchange to remove direct connector acceleration lane from the floodway bridge		• Improves constructibility of the floodway bridge • May reduce the cost of the direct connect bridge		• Geometry may be difficult to accommodate • May require reduced design speed • May require additional right-of-way	
	Operational Impacts	***Revenue Impacts***	***Maintainability***	***Construction Impacts***	***Environmental Impacts***	***Project Schedule***
	⇔	⇔	⇔	⇔	⇩	⇔
Justification/Comments/Disposition:						
Rating: 4						

Idea Number	Description		Advantages		Disadvantages	
15	Reduce length of SBEBDC–revise alignment		• Reduced bridge length • Reduced cost		• May require additional right-of-way • May require reduced design speed	
	Operational Impacts	***Revenue Impacts***	***Maintainability***	***Construction Impacts***	***Environmental Impacts***	***Project Schedule***
	⇔	⇔	⇔	⇔	⇩	⇔
Justification/Comments/Disposition:						
Rating: 4						

Ranking Scale:
5 = Great Opportunity
4 = Good Opportunity
3 = Design Consideration (comparable to project team's approach)
2 = Minor value degradation
1 = Major value degradation
0 = Withdrawn (unacceptable impact, doesn't meet purpose and need, or is already a design requirement)

= Advanced as recommendation
= Forwarded as design consideration
= Dropped from future consideration

Performance Attributes: ⇧ Improvement, ⇔ No change, ⇩ Degradation

Idea Number	Description		Advantages		Disadvantages	
16	Eliminate Donna Reservoir bridge – replace with equalizing culverts		• Could reduce cost		• Don't know the depth of the reservoir	
	Operational Impacts	***Revenue Impacts***	***Maintainability***	***Construction Impacts***	***Environmental Impacts***	***Project Schedule***
	⇔	⇔	⇧	⇔	⇩	⇔
Justification/Comments/Disposition:						
Rating: 4	*This will require a hydraulic analysis to validate*					

Idea Number	Description		Advantages		Disadvantages	
17	Remove two of the three direct connector bridges (south side) to I-2 and direct connect them to the frontage road		• Reduced cost • Eliminates bridges EB to SB and NB to EB • Reduces earthwork required • Reduces impacts on I-2 traffic		• Some operational impacts because of the elimination of the I-2 ramp • Will increase weaving on the frontage road • Will increase traffic volume on the frontage road	
	Operational Impacts	***Revenue Impacts***	***Maintainability***	***Construction Impacts***	***Environmental Impacts***	***Project Schedule***
	⇩	⇔	⇧	⇧	⇔	⇧
Justification/Comments/Disposition:						
Rating: 5						

Ranking Scale:
5 = Great Opportunity
4 = Good Opportunity
3 = Design Consideration (comparable to project team's approach)
2 = Minor value degradation
1 = Major value degradation
0 = Withdrawn (unacceptable impact, doesn't meet purpose and need, or is already a design requirement)

= Advanced as recommendation
= Forwarded as design consideration
= Dropped from future consideration

Performance Attributes: ⇧ Improvement, ⇔ No change, ⇩ Degradation

Idea Number	Description		Advantages		Disadvantages	
18	Eliminate all connectors at I-2		• Reduced cost • Eliminates bridges EB to SB and NB to EB • Reduces earthwork required • Eliminates impacts on I-2 traffic		• Some operational impacts because of the elimination of the I-2 ramp • Will increase weaving on the frontage road • Will increase traffic volume on the frontage road beyond Idea 17	
	Operational Impacts	***Revenue Impacts***	***Maintainability***	***Construction Impacts***	***Environmental Impacts***	***Project Schedule***
	⇩	⇔	⇧	⇧	⇔	⇧
Justification/Comments/Disposition:						
Rating: 5						

Idea Number	Description		Advantages		Disadvantages	
19	Use thinner superstructure over railroad (reduce span right-of-way only)		• Reduces profile height and length • Reduces cost		• Will require changing the uniformity of beam and sizes • Aesthetics may be unacceptable to TxDOT	
	Operational Impacts	***Revenue Impacts***	***Maintainability***	***Construction Impacts***	***Environmental Impacts***	***Project Schedule***
	⇔	⇔	⇔	⇔	⇔	⇔
Justification/Comments/Disposition:						
Rating: 4	*Validate existing span lengths*					

Ranking Scale:
5 = Great Opportunity
4 = Good Opportunity
3 = Design Consideration (comparable to project team's approach)
2 = Minor value degradation
1 = Major value degradation
0 = Withdrawn (unacceptable impact, doesn't meet purpose and need, or is already a design requirement)

= Advanced as recommendation
= Forwarded as design consideration
= Dropped from future consideration

Performance Attributes: ⇧ Improvement, ⇔ No change, ⇩ Degradation

Description: Drainage Structures
Function: Convey, retain, and treat runoff

Idea Number	Description		Advantages		Disadvantages	
20	Tie-in detention facilities to the irrigation system to supplement with rain water		•		•	
	Operational Impacts	***Revenue Impacts***	***Maintainability***	***Construction Impacts***	***Environmental Impacts***	***Project Schedule***
	⇧	⇔	⇩	⇔	⇔	⇔
Justification/Comments/Disposition:						
Rating: 0	*Agencies would not allow comingling of rain water and irrigation. The discharge would not be permitted because the city water is in the same canal.*					

Idea Number	Description		Advantages		Disadvantages	
21	Eliminate the proposed drainage channel realignment from STA 350+00 to STA 385+00 and replace with shorter channel at STA 335+00 (culvert crossing)		• Could reduce right-of-way • Allows more development on the north side		• Will require analysis to ensure the existing ditch to the south can handle added flow	
	Operational Impacts	***Revenue Impacts***	***Maintainability***	***Construction Impacts***	***Environmental Impacts***	***Project Schedule***
	⇔	⇔	⇧	⇔	⇧	⇔
Justification/Comments/Disposition:						
Rating: 4	*Implementation or ability is going to be dependent on the hydraulic analysis.*					

Ranking Scale:
5 = Great Opportunity
4 = Good Opportunity
3 = Design Consideration (comparable to project team's approach)
2 = Minor value degradation
1 = Major value degradation
0 = Withdrawn (unacceptable impact, doesn't meet purpose and need, or is already a design requirement)

= Advanced as recommendation
= Forwarded as design consideration
= Dropped from future consideration

Performance Attributes: ⇧ Improvement, ⇔ No change, ⇩ Degradation

Idea Number	Description		Advantages		Disadvantages	
22	Change the irrigation canal from culvert to open ditch STA 385+00		•		• Severs common property	
	Operational Impacts	***Revenue Impacts***	***Maintainability***	***Construction Impacts***	***Environmental Impacts***	***Project Schedule***
	⇧	⇔	⇩	⇔	⇔	⇔
Justification/Comments/Disposition:						
Rating: 1	*The existing building between pipe and frontage road makes this impractical.*					

Idea Number	Description		Advantages		Disadvantages	
23	Replace culvert with open channel at STA 765+0 to STA 775+0		• Reduced cost • Improves hydraulics		• Requires more right-of-way	
	Operational Impacts	***Revenue Impacts***	***Maintainability***	***Construction Impacts***	***Environmental Impacts***	***Project Schedule***
	⇔	⇔	⇧	⇔	⇩	⇔
Justification/Comments/Disposition:						
Rating: 5						

Ranking Scale:
5 = Great Opportunity
4 = Good Opportunity
3 = Design Consideration (comparable to project team's approach)
2 = Minor value degradation
1 = Major value degradation
0 = Withdrawn (unacceptable impact, doesn't meet purpose and need, or is already a design requirement)

= Advanced as recommendation
= Forwarded as design consideration
= Dropped from future consideration

Performance Attributes: ⇧ Improvement, ⇔ No change, ⇩ Degradation

Idea Number	Description		Advantages		Disadvantages	
24	Shorten culvert from canal at STA 780+00 (reduce the skew across IBTC)		• Shorter culvert • Reduced cost • Less long-term maintenance		• May be minimal hydraulic interference	
	Operational Impacts	***Revenue Impacts***	***Maintainability***	***Construction Impacts***	***Environmental Impacts***	***Project Schedule***
	⇔	⇔	⇧	⇔	⇔	⇔
Justification/Comments/Disposition:						
Rating: 5						

Idea Number	Description		Advantages		Disadvantages	
25	Use multiple, short bridge spans within the footprint of the floodway		• Reduced initial cost • Less bridge to maintain • Less construction time		• Additional scrutiny from USIBWC–licensing the project • Could create net rise in flood elevation • May impact irrigation and drainage channel • Difficulty preventing embankment erosion	
	Operational Impacts	***Revenue Impacts***	***Maintainability***	***Construction Impacts***	***Environmental Impacts***	***Project Schedule***
	⇔	⇔	⇔	⇔	⇩	⇔
Justification/Comments/Disposition:						
Rating: 3						

Ranking Scale:
5 = Great Opportunity
4 = Good Opportunity
3 = Design Consideration (comparable to project team's approach)
2 = Minor value degradation
1 = Major value degradation
0 = Withdrawn (unacceptable impact, doesn't meet purpose and need, or is already a design requirement)

= Advanced as recommendation
= Forwarded as design consideration
= Dropped from future consideration

Performance Attributes: ⇧ Improvement, ⇔ No change, ⇩ Degradation

Description: Earthwork
Function: Raise/lower roadway, reduce structure, support pavement

Idea Number	Description		Advantages		Disadvantages	
26	Profile optimization – bridge approach grades are not near the 3% maximum		• Less embankment		•	
	Operational Impacts	***Revenue Impacts***	***Maintainability***	***Construction Impacts***	***Environmental Impacts***	***Project Schedule***
	⇔	⇔	⇔	⇔	⇔	⇔
Justification/Comments/Disposition:						
Rating: 3						

Idea Number	Description		Advantages		Disadvantages	
27	Build from the middle		• Improves future constructibility • Increases short-term water retention/detention area • Could use slopes rather than walls • Requires less embankment • Reduces cost • No median maintenance • Eliminates median drainage		• Would have some throw-away ramp pavement • Concrete traffic barrier vs. cable barrier • Perception about right-of-way width • Would require redesign	
	Operational Impacts	***Revenue Impacts***	***Maintainability***	***Construction Impacts***	***Environmental Impacts***	***Project Schedule***
	⇔	⇔	⇧	⇧	⇔	⇔
Justification/Comments/Disposition:						
Rating: 4						

Ranking Scale:
5 = Great Opportunity
4 = Good Opportunity
3 = Design Consideration (comparable to project team's approach)
2 = Minor value degradation
1 = Major value degradation
0 = Withdrawn (unacceptable impact, doesn't meet purpose and need, or is already a design requirement)

= Advanced as recommendation
= Forwarded as design consideration
= Dropped from future consideration

Performance Attributes: ⇧ Improvement, ⇔ No change, ⇩ Degradation

Idea Number	Description		Advantages		Disadvantages	
28	Optimize the cross slope to reduce the embankment		• Reduced embankment • Reduced cost		• Slopes are harder to maintain	
	Operational Impacts	***Revenue Impacts***	***Maintainability***	***Construction Impacts***	***Environmental Impacts***	***Project Schedule***
	⇔	⇔	⇔	⇔	⇔	⇔
Justification/Comments/Disposition:						
Rating: 3	*Where there are 6:1 go to 4:1. Where there are fills higher than 10 feet, go to 3:1.*					

Description: Pavement
Function: Support loads

Idea Number	Description		Advantages		Disadvantages	
29	Redesign pavement sections		• Potential cost reduction		•	
	Operational Impacts	***Revenue Impacts***	***Maintainability***	***Construction Impacts***	***Environmental Impacts***	***Project Schedule***
	⇔	⇔	⇔	⇔	⇔	⇔
Justification/Comments/Disposition:						
Rating: 3	*Compare IBTC pavement section (L&G Letter April 2010) with the approved section (Post VE) for SH 365 – make both sections the same. Cost differential could result in an increase or decrease from the base estimate.*					

Ranking Scale:
5 = Great Opportunity
4 = Good Opportunity
3 = Design Consideration (comparable to project team's approach)
2 = Minor value degradation
1 = Major value degradation
0 = Withdrawn (unacceptable impact, doesn't meet purpose and need, or is already a design requirement)

= Advanced as recommendation
= Forwarded as design consideration
= Dropped from future consideration

Performance Attributes: ⇧ Improvement, ⇔ No change, ⇩ Degradation

Idea Number	Description	Advantages	Disadvantages
30	Evaluate the use of blackbase	• Longer-lasting section • Allows overweight vehicles to travel north • Helps prevent cracking	• Increase cost • Would require legislative approvals • Performance – hasn't been used recently or evaluated

Operational Impacts	*Revenue Impacts*	*Maintainability*	*Construction Impacts*	*Environmental Impacts*	*Project Schedule*
⇔	⇔	⇧	⇔	⇔	⇧

Justification/Comments/Disposition:	
Rating: 3	*Needs to be evaluated as part of the overall structural section with Idea 29.*

Description: Retaining Walls
Function: Support embankment, minimize right-of-way, and minimize structure length

Idea Number	Description	Advantages	Disadvantages
31	Use walls to reduce the right-of-way-primarily at underpass/overpass areas	• Reduced embankment (borrow)	• Increased cost • Added walls to maintain • Potential reduction in ROW

Operational Impacts	*Revenue Impacts*	*Maintainability*	*Construction Impacts*	*Environmental Impacts*	*Project Schedule*
⇔	⇔	⇩	⇔	⇧	⇔

Justification/Comments/Disposition:	
Rating: 3	*Cost of ROW and embankment vs. cost of walls – does the cost of ROW warrant the use of walls?*

Ranking Scale:
5 = Great Opportunity
4 = Good Opportunity
3 = Design Consideration (comparable to project team's approach)
2 = Minor value degradation
1 = Major value degradation
0 = Withdrawn (unacceptable impact, doesn't meet purpose and need, or is already a design requirement)

= Advanced as recommendation
= Forwarded as design consideration
= Dropped from future consideration

Performance Attributes: ⇧ Improvement, ⇔ No change, ⇩ Degradation

Idea Number	Description		Advantages		Disadvantages	
32	Evaluate using embankment instead of retaining walls – system interchange areas		• Reduced wall to maintain • Reduced cost • Enables future growth without adding ROW • Reduces the need for storm drainage and piping system		• Increased embankment (borrow) • May have to reduce design speed of direct connectors	
	Operational Impacts	***Revenue Impacts***	***Maintainability***	***Construction Impacts***	***Environmental Impacts***	***Project Schedule***
	⇔	⇔	⇧	⇔	⇩	⇔
Justification/Comments/Disposition:						
Rating: 4	*Cost of embankment vs. cost of walls – does the cost of walls warrant the use of embankment?*					

Description: Overall Project
Function: Reduce congestion, improve mobility, upgrade/meet standards, increase capacity, generate revenue

Idea Number	Description		Advantages		Disadvantages	
33	Defer frontage roads		• Reduced initial capital cost • Reduced O&M costs until built		• May not be acceptable to stakeholders	
	Operational Impacts	***Revenue Impacts***	***Maintainability***	***Construction Impacts***	***Environmental Impacts***	***Project Schedule***
	⇧	⇔	⇩	⇔	⇔	⇔
Justification/Comments/Disposition:						
Rating: 0	*Cannot be done because free access is required for local residents and businesses.*					

Ranking Scale:
5 = Great Opportunity
4 = Good Opportunity
3 = Design Consideration (comparable to project team's approach)
2 = Minor value degradation
1 = Major value degradation
0 = Withdrawn (unacceptable impact, doesn't meet purpose and need, or is already a design requirement)

= Advanced as recommendation
= Forwarded as design consideration
= Dropped from future consideration

Performance Attributes: ⇧ Improvement, ⇔ No change, ⇩ Degradation

Idea Number	Description		Advantages		Disadvantages	
34	Defer I-2 direct connections		•		•	
	Operational Impacts	***Revenue Impacts***	***Maintainability***	***Construction Impacts***	***Environmental Impacts***	***Project Schedule***
Justification/Comments/Disposition:						
Rating: 5	*See Ideas 17 and 18*					

Idea Number	Description		Advantages		Disadvantages	
35	Defer Valley View (Donna) direct connectors; accommodate connection to main facility at-grade with overpass		• Reduced initial cost • Would provide connectivity to Donna bridge		• Potential reduction in revenue • Overpass would not be utilized in the future, increasing overall costs • May not be acceptable to stakeholders	
	Operational Impacts	***Revenue Impacts***	***Maintainability***	***Construction Impacts***	***Environmental Impacts***	***Project Schedule***
	⇩	⇩	⇧	⇔	⇔	⇧
Justification/Comments/Disposition:						
Rating: 3	*Should be considered if stakeholder opposition to deferring Donna leg is significant.*					

Ranking Scale:
5 = Great Opportunity
4 = Good Opportunity
3 = Design Consideration (comparable to project team's approach)
2 = Minor value degradation
1 = Major value degradation
0 = Withdrawn (unacceptable impact, doesn't meet purpose and need, or is already a design requirement)

= Advanced as recommendation
= Forwarded as design consideration
= Dropped from future consideration

Performance Attributes: ⇧ Improvement, ⇔ No change, ⇩ Degradation

Idea Number	Description		Advantages		Disadvantages	
36	Defer Valley View (Donna) direct connectors; utilize one 2-way frontage road to connect to the east		• Reduced initial cost • Would provide connectivity to Donna bridge		• May not be acceptable to stakeholders	
	Operational Impacts	***Revenue Impacts***	***Maintainability***	***Construction Impacts***	***Environmental Impacts***	***Project Schedule***
	⇩	⇩	⇧	⇔	⇔	⇧
Justification/Comments/Disposition:						
Rating: 3	*Should be considered if stakeholder opposition to deferring Donna leg is significant.*					

Idea Number	Description		Advantages		Disadvantages	
37	Defer Valley View (Donna) leg to the east (will be included in the environmental document of IBTC)		• Reduced initial cost • Reduced long-term maintenance cost		• May not be acceptable to stakeholders • Potential reduction in revenue • Reduces connectivity to the Donna Bridge	
	Operational Impacts	***Revenue Impacts***	***Maintainability***	***Construction Impacts***	***Environmental Impacts***	***Project Schedule***
	⇩	⇩	⇧	⇧	⇔	⇧
Justification/Comments/Disposition:						
Rating: 5						

Ranking Scale:
5 = Great Opportunity
4 = Good Opportunity
3 = Design Consideration (comparable to project team's approach)
2 = Minor value degradation
1 = Major value degradation
0 = Withdrawn (unacceptable impact, doesn't meet purpose and need, or is already a design requirement)

= Advanced as recommendation
= Forwarded as design consideration
= Dropped from future consideration

Performance Attributes: ⇧ Improvement, ⇔ No change, ⇩ Degradation

Idea Number	Description		Advantages		Disadvantages	
38	Eliminate Valley View (Donna) leg to the east (will require a separate environmental document)		• Reduced initial cost • Eliminates maintenance cost • Improves ability to get an EA		• May not be acceptable to stakeholders • Potential reduction in revenue • Reduces connectivity to the Donna Bridge • Increases environmental engineering costs	
	Operational Impacts	***Revenue Impacts***	***Maintainability***	***Construction Impacts***	***Environmental Impacts***	***Project Schedule***
	⇩	⇩	⇧	⇧	⇔	⇧
Justification/Comments/Disposition:						
Rating: 3						

Idea Number	Description		Advantages		Disadvantages	
39	Defer Valley View (Donna) leg to the east; combine IBTC and SH 68 into one toll facility		•		•	
	Operational Impacts	***Revenue Impacts***	***Maintainability***	***Construction Impacts***	***Environmental Impacts***	***Project Schedule***
	⇔	⇔	⇔	⇔	⇔	⇔
Justification/Comments/Disposition:						
Rating: 1	*While deferral may have merit, the combining into another project not under RMA control is beyond the study parameters.*					

Ranking Scale:
5 = Great Opportunity
4 = Good Opportunity
3 = Design Consideration (comparable to project team's approach)
2 = Minor value degradation
1 = Major value degradation
0 = Withdrawn (unacceptable impact, doesn't meet purpose and need, or is already a design requirement)

= Advanced as recommendation
= Forwarded as design consideration
= Dropped from future consideration

Performance Attributes: ⇧ Improvement, ⇔ No change, ⇩ Degradation

Idea Number	Description		Advantages		Disadvantages	
40	Defer IBTC to the north and build to the east		•		• Does not meet the intent of the project	
	Operational Impacts	***Revenue Impacts***	***Maintainability***	***Construction Impacts***	***Environmental Impacts***	***Project Schedule***
	⇧	⇔	⇩	⇔	⇔	⇔
Justification/Comments/Disposition:						
Rating: 0	*Does not meet the intent of the project.*					

Idea Number	Description		Advantages		Disadvantages	
41	Postpone/delay ramps east of FM 2557, east of Tower Road, east of Border Road, and all ramps around Valley View Road		• Reduced initial cost • Reduced maintenance cost • Reduced toll collection equipment		• May not be politically acceptable • Increased traffic on frontage road • Increased time to access IBTC • May reduce revenue	
	Operational Impacts	***Revenue Impacts***	***Maintainability***	***Construction Impacts***	***Environmental Impacts***	***Project Schedule***
	⇔	⇔	⇧	⇔	⇔	⇧
Justification/Comments/Disposition:						
Rating: 5						

Ranking Scale:
5 = Great Opportunity
4 = Good Opportunity
3 = Design Consideration (comparable to project team's approach)
2 = Minor value degradation
1 = Major value degradation
0 = Withdrawn (unacceptable impact, doesn't meet purpose and need, or is already a design requirement)

= Advanced as recommendation
= Forwarded as design consideration
= Dropped from future consideration

Performance Attributes: ⇧ Improvement, ⇔ No change, ⇩ Degradation

Idea Number	Description		Advantages		Disadvantages	
42	Defer SH 365 direct connectors; use frontage roads		• Reduced initial cost		• Potential impact to tolling revenue • Slight increase in travel time for users through the interchange area	
	Operational Impacts	***Revenue Impacts***	***Maintainability***	***Construction Impacts***	***Environmental Impacts***	***Project Schedule***
	⇧	⇔	⇩	⇔	⇔	⇔
Justification/Comments/Disposition:						
Rating: 0	*Direct connectors are part of the facility; cannot put toll traffic on free roadways.*					

Idea Number	Description		Advantages		Disadvantages	
43	Revise alignment between floodway bridge and Donna leg, eliminating the need for frontage roads		• Reduces S curve • Reduces need for an additional frontage road • Reduced cost • Shorter ROW acquisition process		• Would require redesign for skew at Valley View interchange • Would require modification of environmental documents	
	Operational Impacts	***Revenue Impacts***	***Maintainability***	***Construction Impacts***	***Environmental Impacts***	***Project Schedule***
	⇔	⇔	⇧	⇔	⇔	⇔
Justification/Comments/Disposition:						
Rating: 3						

Ranking Scale:
5 = Great Opportunity
4 = Good Opportunity
3 = Design Consideration (comparable to project team's approach)
2 = Minor value degradation
1 = Major value degradation
0 = Withdrawn (unacceptable impact, doesn't meet purpose and need, or is already a design requirement)

= Advanced as recommendation
= Forwarded as design consideration
= Dropped from future consideration

Performance Attributes: ⇧ Improvement, ⇔ No change, ⇩ Degradation

Idea Number	Description		Advantages		Disadvantages	
44	Remove skew at IBTC/I-2 interchange		• Potentially reduced bridge lengths		• Increased ROW impacts to maintain desired speed • Impacts additional development on southwest corner	
	Operational Impacts	***Revenue Impacts***	***Maintainability***	***Construction Impacts***	***Environmental Impacts***	***Project Schedule***
	⇔	⇔	⇔	⇔	⇩	⇔
Justification/Comments/Disposition:						
Rating: 3	*This would require coordination with TxDOT and FHWA.*					

Idea Number	Description		Advantages		Disadvantages	
45	Straddle canal from STA 770+00 to I-2		•		•	
	Operational Impacts	***Revenue Impacts***	***Maintainability***	***Construction Impacts***	***Environmental Impacts***	***Project Schedule***
	⇧	⇔	⇩	⇔	⇔	⇔
Justification/Comments/Disposition:						
Rating: 2	*Would require additional right-of-way width; would need to provide maintenance access in addition to the required canal width.*					

Ranking Scale:
5 = Great Opportunity
4 = Good Opportunity
3 = Design Consideration (comparable to project team's approach)
2 = Minor value degradation
1 = Major value degradation
0 = Withdrawn (unacceptable impact, doesn't meet purpose and need, or is already a design requirement)

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= Forwarded as design consideration
= Dropped from future consideration

Performance Attributes: ⇧ Improvement, ⇔ No change, ⇩ Degradation

Idea Number	Description	Advantages	Disadvantages
46	Realignment of IBTC from Alamo to Donna Reservoir	• Reduces cost • Significantly shortens the floodway bridge • Reduces project length • Reduces number of bridge crossings	• Would require modification to environmental documents and field work • Would require additional surveying • Requires a longer Donna leg • Requires additional stakeholder communication

Operational Impacts	*Revenue Impacts*	*Maintainability*	*Construction Impacts*	*Environmental Impacts*	*Project Schedule*
⇔	⇔	⇧	⇧	⇔	⇧

Justification/Comments/Disposition:
Rating: 4

Idea Number	Description	Advantages	Disadvantages
47	Explore the possibility of increasing the retention rate in the T&R study to be consistent with retention rate in other toll facilities in Texas	• Increased revenue	•

Operational Impacts	*Revenue Impacts*	*Maintainability*	*Construction Impacts*	*Environmental Impacts*	*Project Schedule*
⇔	⇧	⇔	⇔	⇔	⇔

Justification/Comments/Disposition:
Rating: 3

Ranking Scale:
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3 = Design Consideration (comparable to project team's approach)
2 = Minor value degradation
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= Forwarded as design consideration
= Dropped from future consideration

Performance Attributes: ⇧ Improvement, ⇔ No change, ⇩ Degradation

6 Development

This phase of the process takes the concepts, or ideas, that ranked the highest in the idea evaluation phase and further develops them into full VE recommendations. In many cases, it is possible that one or more ideas are combined to form an overall recommendation, which were evaluated further by the VE team.

In the case of this project, of the original 47 ideas that were generated during the speculation phase, 19 of those ideas were taken forward, combined, and developed further (keeping in mind that some of the original 47 ideas were deemed more appropriate as a design consideration for the project team, rather than developed into a VE recommendation). For the development phase, narratives, drawings, calculations, and cost estimates were prepared for each recommendation.

6.1 Performance Assessment

As the VE team developed recommendations, the performance of each was compared to the baseline for potential value improvement. For this exercise, the baseline is given a score of 5. Table 6 shows the attribute scales used to evaluate the performance of the alternative concepts relative to the baseline concept.

Table 6. Performance Attribute Rating Scale

Rating	Performance Attribute Scales
10	Alternative concept is extremely preferred
9	Alternative concept is very strongly preferred
8	Alternative concept is strongly preferred
7	Alternative concept is moderately preferred
6	Alternative concept is slightly preferred
5	***Concepts are equally preferred***
4	Baseline concept is slightly preferred
3	Baseline concept is moderately preferred
2	Baseline concept is strongly preferred
1	Baseline concept is very strongly preferred
0	Baseline concept is extremely preferred

6.2 Performance Rating

The performance matrix permits the comparison of various recommendations against the baseline concept by organizing the data developed for the performance attributes into a matrix format to yield value indices.

The matrix is essential for understanding the performance and value of the baseline and VE concepts. Comparing the performance suggests which recommendations are potentially as good as or better than the original concept in terms of overall value. Comparison at the value index level suggests which recommendations have the best functionality or provides the project with the best value.

The performance rating and rationale for each alternative generated by the VE team is located on the individual recommendation forms found in Section 7.4.

Figure 5. Performance Rating Matrix

Performance Rating												
IBTC												
Attribute	Attribute Weight	Concept	Performance Rating										Total Performance
			1	2	3	4	5	6	7	8	9	10	
Operational Impacts	24	Baseline					5						119
		1					5						119
		2					4.5						107
		3					5						119
		4					5						119
		5					5						119
		6						6					143
		7					5						119
		8							7				167
		9						6					143
		10					4.5						107
		11				4							95
		12					5						119
		13					5						119
		14					5						119
		15					5						119
		16					5						119
		17				4							95
		18					4.5						107
		19					5						119
Revenue Impacts	26	Baseline					5						131
		1					5						131
		2					5						131
		3					5						131
		4					5						131
		5					5						131
		6					5						131
		7					5						131
		8					5						131
		9					5						131
		10					5						131
		11					5						131
		12					5						131
		13					5						131
		14					5						131
		15					5						131
		16					5						131
		17					4.5						118
		18					4.5						118
		19					5						131
Maintainability	10	Baseline					5						48
		1					5						48
		2							7				67
		3						5.5					52
		4					5						48
		5							7				67
		6						6					57
		7							7				67
		8					5						48
		9							7				67
		10							7				67
		11								8			76
		12					5						48
		13					5						48
		14					5						48
		15					5						48
		16						6					57
		17									9		86
		18							7.5				71
		19								8			76

Performance Rating												
IBTC												
Attribute	Attribute Weight	Concept	Performance Rating										Total Performance
			1	2	3	4	5	6	7	8	9	10	
Construction Impacts	7	Baseline					5						36
		1					5						36
		2							7				50
		3						6					43
		4					5						36
		5					5						36
		6					5						36
		7					5						36
		8					5						36
		9					5						36
		10							7				50
		11								8			57
		12					5						36
		13					5						36
		14					5						36
		15					5						36
		16						6					43
		17						6					43
		18						6					43
		19							7				50
Environmental Impacts	19	Baseline					5						95
		1					4.5						86
		2							7				133
		3						5.5					105
		4					5						95
		5					5						95
		6					5						95
		7					5						95
		8			3								57
		9				4							76
		10					5						95
		11					5						95
		12					5						95
		13							7				133
		14					5						95
		15					5						95
		16					5						95
		17					5						95
		18					5						95
		19								8			152
Project Schedule	14	Baseline					5						72
		1					5						72
		2					5						72
		3					5						72
		4					5						72
		5					5						72
		6					5						72
		7					5						72
		8					5						72
		9					5						72
		10						5.5					79
		11						5.5					79
		12					5						72
		13					5						72
		14					5						72
		15					5						72
		16					5						72
		17								8			114
		18					5						72
		19							7				100

Understanding the relationship of cost, performance, and value of the project baseline and VE concepts is essential in evaluating VE recommendations. Comparing the performance and cost suggests which recommendations are potentially as good as or better than the project baseline concept in terms of overall value.

Figure 6. Value Matrix

VALUE MATRIX							
IBTC							
OVERALL PERFORMANCE		Performance (P)	% Change Performance	Cost (C)	% Change Cost	Value Index (P/C)	% Value Improvement
	Baseline	500		$171.2		2.92	
1	Shorten Floodway Bridge	490	-2%	$166.1	3.0%	2.95	1%
2	2-Lane Floodway Bridge	559	12%	$163.9	4.3%	3.41	17%
3	Single 4-Lane Floodway Bridge	521	4%	$170.9	0.2%	3.05	4%
4	Shorter Bridge Spans	500	0%	$170.1	0.6%	2.94	1%
5	Single Lane Direct Connects	519	4%	$167.7	2.1%	3.09	6%
6	Tower Road	533	7%	$169.7	0.9%	3.14	8%
7	Eliminate Border Road Underpass	519	4%	$169.8	0.8%	3.05	5%
8	Donna Leg SBEBDC (Shorten	509	2%	$170.5	0.4%	2.99	2%
9	Donna Reservoir Bridge	523	5%	$168.0	1.9%	3.12	7%
10	Remove EBSB and NBEB Direct	528	6%	$166.0	3.1%	3.18	9%
11	Remove all Direct Connectors at I-	533	7%	$160.5	6.3%	3.32	14%
12	Thinner Superstructure over RR	500	0%	$170.8	0.2%	2.92	0%
13	Drainage Channel Realignment	538	8%	$171.0	0.1%	3.14	8%
14	Replace Culvert with Open	500	0%	$170.5	0.4%	2.93	0%
15	Shorten Culvert from Canal at STA	500	0%	$171.1	0.1%	2.92	0%
16	Build from the Middle	516	3%	$170.8	0.2%	3.02	4%
17	Defer Donna Leg to the East	551	10%	$153.3	10.5%	3.59	23%
18	Defer Ramps	505	1%	$168.9	1.3%	2.99	3%
19	Realignment of IBTC from Alamo	628	26%	$150.8	11.9%	4.16	43%

6.3 Design Considerations

The VE team had 13 ideas that they evaluated and regrouped. These are presented as nine design concepts they felt the design team should consider when going forward with their design. Table 7 is a summary of those ideas; detailed information can be found in Appendix E.

Table 7. Design Considerations

Number	Description
1	Simplify bridge aesthetics
2	Replace bridges with culverts
3	Optimize side slopes
4	Evaluate mainline pavement design
5	Evaluate and optimize the space available for embankment, roadway, and structures
6	Eliminate Donna leg to the east
7	Revise alignment–floodway bridge to Donna
8	Remove skew at IBTC/I-2 Interchange
9	Increase retention rate in the traffic and revenue study
3	Consistent cross section across floodway bridge

6.4 Design Validation

One idea the VE team initially brought forward as a recommendation (Idea No. 14, consistent cross section across the floodway bridge) resulted in being dropped from consideration as it was determined the current geometry was more economical and feasible. This design validation can be found following the design considerations in Appendix E.

7 Recommendations

7.1 Introduction

Evaluation of the 47 ideas generated by the team resulted in 19 individual recommendations to the original concept. The VE recommendation documents in this section are presented as written by the team during the VE study. While they have been edited from the draft VE report to correct errors or better clarify the recommendation, they represent the VE team's findings during the VE study.

Each recommendation consists of a summary of the original concept, a description of the suggested change, a listing of its advantages and disadvantages, a cost comparison, change in performance, and a brief narrative comparing the original design with the recommendation. Sketches, calculations, and performance measure ratings are also presented. The cost comparisons reflect a comparable level of detail as in the original estimate.

7.2 Summary of Recommendations

Table 8 shows each recommendation and its cost savings (represented by parentheses) as well as its overall change in performance. Because it was important to not sacrifice operational performance or revenue generation opportunities, performance of the individual recommendations needed to be evaluated considering the interim condition – between initial construction and full build-out. In the case of IBTC, the VE team felt that, given the low projected traffic volumes, and assuming build-out would occur as volumes warrant, there would basically be no negative impact on performance as a result of deferring elements of the overall project.

Table 8. Summary of Recommendations

#	Description	Cost Delta ($M)	Value Improvement (%)
1	Shorten Floodway Bridge	(5.06)	1
2	2-Lane Floodway Bridge	(7.34)	17
3	Single 4-Lane Floodway Bridge	(0.26)	4
4	Shorter Bridge Spans	(1.06)	1
5	Single Lane Direct Connects	(3.52)	6
6	Tower Road	(1.52)	8
7	Eliminate Border Road Underpass	(1.41)	5
8	Donna Leg SBEBDC (Shorten Bridge–Revise Alignment)	(0.71)	2
9	Donna Reservoir Bridge	(3.23)	7
10	Remove EBSB and NBEB Direct Connectors	(5.23)	9

Table 8. Summary of Recommendations

#	Description	Cost Delta ($M)	Value Improvement (%)
11	Remove all Direct Connectors at I-2	(10.73)	14
12	Thinner Superstructure over RR	(0.40)	0
13	Drainage Channel Realignment STA 350	(0.21)	8
14	Replace Culvert with Open Channel STA 765	(0.68)	0
15	Shorten Culvert from Canal at STA 780+00	(0.11)	0
16	Build from the Middle	(0.40)	4
17	Defer Donna Leg to the East	(17.90)	23
18	Defer Ramps	(2.31)	3
19	Realignment of IBTC from Alamo to Donna Reservoir	(20.42)	43

The VE team developed several recommendations that cannot be implemented concurrently (recommendations 2/3, 8/17, and 10/11). In addition, the savings shown for recommendation Nos. 1, 2, and 3, as a whole, will vary depending on the combination selected, e.g., the cost savings shown for recommendation Nos. 2 and 3 would be slightly less if recommendation No. 1 were to be implemented. The team also developed a recommendation (No. 19) for a new alignment. This recommendation would negate other recommendations and reduce the cost saving shown on others. As a result, the VE team developed three scenarios: scenarios one and two are relative to the baseline alignment and represent the recommendations that would result in the lowest cost avoidance or deferral (Scenario 1); the other showing the highest cost avoidance or deferral (Scenario 2). Scenario three represents the new alignment (Recommendation No. 19) and the estimated value of Recommendation Nos. 1 through 18 that would apply.

While recommendation No. 14 shows a cost savings, the savings are program level savings associated with the utilities budget of the overall program, and not directly related to the capital construction cost of IBTC. As a result, the savings associated with Recommendation No. 14 is not included in any of the scenarios developed.

Table 9 is a reflection of three scenarios. A brief explanation relating to the application values to scenario 3 follow the table.

Table 9. Recommendation Cost Scenarios

#	Description	Cost Delta ($M)	Scenario 1	Scenario 2	Scenario 3*
1	Shorten Floodway Bridge	($5.06)	($5.06)	($5.06)	
2	2-Lane Floodway Bridge	(7.34)		(5.36)	($5.87)
3	Single 4-Lane Floodway Bridge	(0.26)	(0.23)		(0.21)
4	Shorter Bridge Spans	(1.06)	(1.06)	(1.06)	(0.09)
5	Single Lane Direct Connects	(3.52)	(3.52)	(3.52)	(3.52)
6	Tower Road	(1.52)	(1.52)	(1.52)	
7	Eliminate Border Road Underpass	(1.41)	(1.41)	(1.41)	
8	Donna Leg SBEBDC (Shorten Brdg–Revise Align)	(0.71)	(0.71)		
9	Donna Reservoir Bridge	(3.23)	(3.23)	(3.23)	
10	Remove EBSB and NBEB Direct Connectors	(5.23)	(5.23)		
11	Remove all Direct Connectors at I-2	(10.73)		(10.73)	(10.73)
12	Thinner Superstructure over RR	(0.40)	(0.40)	(0.40)	(0.40)
13	Drainage Channel Realignment STA 350	(0.21)	(0.21)	(0.21)	(0.21)
14	Replace Culvert with Open Channel STA 765	(0.68)			
15	Shorten Culvert from Canal at STA 780+00	(0.11)	(0.11)	(0.11)	(0.11)
16	Build from the Middle	(0.40)	(0.17)	(0.40)	
17	Defer Donna Leg to the East	(17.90)		(17.90)	(15.70)
18	Defer Ramps	(2.31)	(2.31)	(2.31)	
19	Realignment of IBTC from Alamo to Donna Reservoir	(20.42)			(20.42)
	Total		**($25.17)**	**($53.22)**	**($57.26)**

* For scenario 3, the following modifications were made to recommendations 1 through 18:

Rec 1 Recommendation 19 includes a shorter alignment; as such, this value is not applicable.

Rec 2 Value reduced by 20 percent to account for a shorter bridge.

Rec 3 Value reduced by 20 percent to account for a shorter bridge.

Rec 4 Of the four interchanges in the realignment area (Stewart, Alamo, Tower, and Valley View), all are eliminated except Stewart. As such, the cost savings would be for Stewart.

Rec 5 Could be implemented in its entirety.

Rec 6 No longer applies or is accounted for in the base of recommendation 19.

Rec 7 No longer applies or is accounted for in the base of recommendation 19.

Rec 8 No longer applies or is accounted for in the base of recommendation 19.

Rec 9 No longer applies or is accounted for in the base of recommendation 19.

Rec 10 Could be applied in its entirety; however, it is a competing recommendation with No. 11. To reflect the highest potential savings, recommendation No. 11 was shown as the companion.

Rec 11 Could be implemented in its entirety – see No. 10.

Rec 12 Could be implemented in its entirety.

Rec 13 Could be implemented in its entirety.

Rec 14 Not directly related to the capital construction cost of IBTC.

Rec 16 Could be implemented in its entirety.

Rec 16 The savings would be less because of the shorter alignment and the reduced number of structures. The actual cost savings was not calculated for this exercise.

Rec 17 The realignment recommendation would actually result in the Donna Leg being longer than the base; however, the realignment option has fewer and shorter bridges, along with reduced walls. The savings shown accounts for the extension and the reduced walls and bridges.

Rec 18 Of the ramps identified in this recommendation in the realignment area (Stewart, Tower, Border, and Valley View), all are deferred except Stewart. As such, the cost savings would be for Stewart only and was not calculated for this exercise.

7.2.1 FHWA Functional Benefit Criteria

Each year, State DOT's are required to report on VE recommendations to FHWA. In addition to cost implications, FHWA requires the DOT's to evaluate each approved recommendation in terms of the project feature or features that recommendation benefits. If a specific recommendation can be shown to provide benefit to more than one feature described below, count the recommendation in *each category that is applicable*. These same criteria can be found on each of the individual recommendations that follow.

- **Safety:** Recommendations that mitigate or reduce hazards on the facility
- **Operations:** Recommendations that improve real-time service and/or local, corridor, or regional levels of service of the facility.
- **Environment:** Recommendations that successfully avoid or mitigate impacts to natural and or cultural resources.
- **Construction:** Recommendations that improve work zone conditions, or expedite the project delivery.
- **Other:** Recommendations not readily categorized by the above performance indicators.

7.3 Value Engineering Recommendation Approval

The VE recommendation form is to aid in annual reporting of VE activities to FHWA. It is the intent that the project manager review and evaluate the VE team's alternatives included in the final report. The project manager would then complete the Recommendation Approval form shown in Appendix C.

Each alternative that is not approved or is modified by the project manager should include a justification (a summary statement containing the project manager's decision not to use the recommendation in the project).

The completed Value Engineering Recommendation Approval form, including justification for any recommendations not approved or modified, shall be sent to [the Texas DOT State Value Engineer] by October 1 of each year so the results can be included in the annual VE Report to the Federal Highway Administration (FHWA).

7.4 Individual Recommendations

Based on the evaluation process, individual recommendations were developed. Each recommendation consists of a summary of the baseline concept, a description of the recommendation, a listing of its advantages and disadvantages, and a brief narrative that includes justification, sketches, photos, assumptions and calculations as developed by the VE team. Final recommendations can be found beginning on page 7-7.

VE RECOMMENDATION NO. 1: SHORTEN FLOODWAY BRIDGE – REALIGN LEVEE	IDEA NO. 1

Baseline Concept

Span the entire floodway channel with the floodway bridge.

Recommendation Concept

Shorten floodway bridge by matching the channel opening upstream of the bridge (use fill on west end).

Advantages	Disadvantages
• Reduces cost • Shortens construction schedule • Creates additional usable land	• Additional scrutiny from USIBWC–licensing the project • Would require realignment of pilot channel if reducing east side • Could create net rise in flood elevation • May impact irrigation and drainage channel

Cost Summary	Cost
Savings	**$5,061,247** (see discussion)

FHWA Function Benefit

Safety	*Operations*	*Environment*	*Construction*	*Other*
	✓	✓		✓

VE RECOMMENDATION NO. 1: SHORTEN FLOODWAY BRIDGE – REALIGN LEVEE	IDEA NO. 1

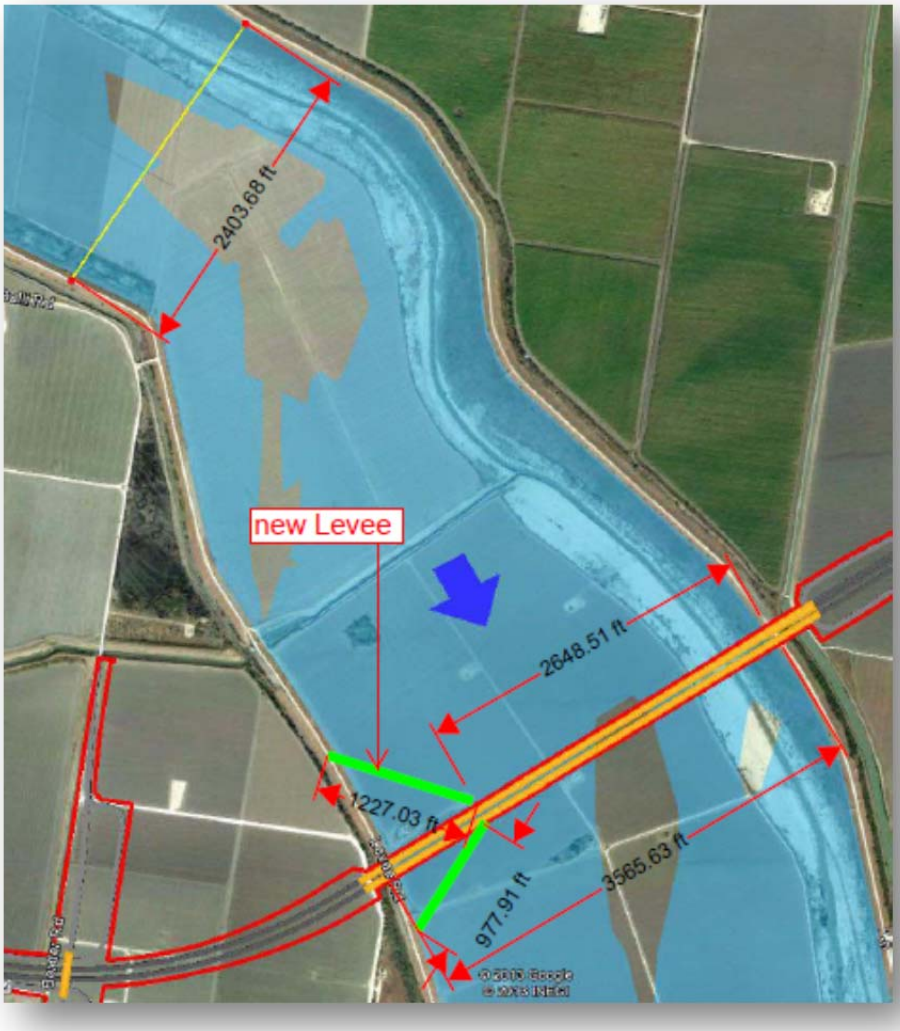
Discussion/Sketches/Photos

For this recommendation, the VE team assumed that the construction required for the levee relocation is equal to the construction time required for the reduced bridge. It was also assumed that, because the floodway upstream of the bridge is narrower, the floodway could be narrowed to the same width without considerably affecting the water surface elevation.

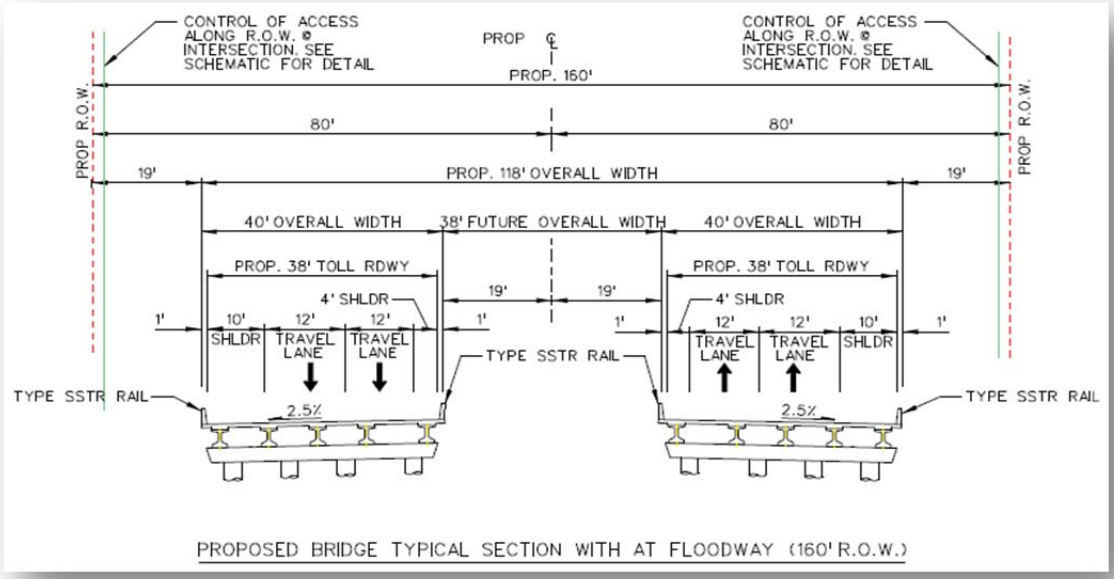
The cross section of the floodway through this section varies in width with one of the narrowest sections (2,400 feet wide) being just upstream of the proposed structure. The width at the original bridge location is about 3,560 feet wide. It is proposed to reduce the width by 1,100 feet to 2,460 feet, which is wider than the adjacent section upstream. The bridges in the baseline concept across the floodway are approximately 4,107 feet long. This VE recommendation brings the length of the bridges down to 3,007 feet.

The general concept is to build the roadway embankment in the floodway to carry traffic and move the levee to meet the embankment without narrowing the floodway. The area between the old levee and the new levee will need to be purchased. That area can be backfilled and then resold in the future. Expected project costs are listed below. Holding the same alignment, bridges shorter than the originals by 1,100 feet each can be built if the upstream width of the floodway can be matched at the beginning of the new bridge as shown in the proposed floodway opening in the figure below.

VE RECOMMENDATION NO. 1: SHORTEN FLOODWAY BRIDGE – REALIGN LEVEE	IDEA NO. 1



VE RECOMMENDATION NO. 1: SHORTEN FLOODWAY BRIDGE – REALIGN LEVEE	IDEA NO. 1



This concept results in a net savings of $3.4M without considering the benefit of selling the additional acreage that is acquired.

VE RECOMMENDATION NO. 1: SHORTEN FLOODWAY BRIDGE – REALIGN LEVEE	IDEA NO. 1

Idea No. 1 Bridge Reduction:

BRIDGE		
Base Bridge Length =	4,308	LF
Base Bridge Width =	40	FT
Base Bridge Area X 2 Bridges =	344,640.00	SF
Base Bridge Cost (2 Bridges) =	$ 18,955,200.00	
Base Bridge Cost/SF =	$ 55.00	SF
Reduced Bridge Length Quantity =	1,100.00	FT
Reduced Bridge Area (2 Bridges) =	88,000.00	
Reduced Bridge Area Cost Savings	$ 4,840,000.00	

ROADWAY		
New Roadway Length Required =	1100	FT
Pavement Width =	38	FT

ADDITIONAL ROADWAY ITEMS

DESC CODE	ITEM DESCRIPTION	UNITS	QUANTITY	AGREED UNIT BID PRICE	Agreed Bid Price Unit Cost AMOUNT
132-2006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	3,381	$4.00	$13,525.93
132-2008	EMBANKMENT (LEVEE)	CY	5,962	$4.00	$23,846.02
247-2225	FL BS (RDWY DEL)(TY E GR 4)(FNAL POS)	CY	5,377	$15.00	$80,655.00
260-xxxx	LIME TRT (NEW BASE) (20")	SY	9,679	$2.00	$19,358.00
260-2011	LIME TRT (EXST MATL) (12")	SY	10,060	$1.30	$13,078.00
260-2016	LIME (HYD, COM, OR QK(SLURRY))	TON	431	$140.00	$60,340.00
340-2135	D-GR HMA(METH) TY-D SAC-A PG76-22	TON	1,603	$75.00	$120,225.00
340-2239	D-GR HMA(METH) TY-B SAC-B PG64-22	TON	2,404	$70.00	$168,280.00
				TOTAL	$499,307.94

TOTAL IDEA NO 1 COST	
Bridge Reduction =	$ (4,840,000.00)
Additional Roadway Items =	$499,307.94
Contingencies (10%)	-$434,069.21
Mobilization (6%)	-$286,485.68
Savings =	$ (5,061,246.94)

VE RECOMMENDATION NO. 1: SHORTEN FLOODWAY BRIDGE – REALIGN LEVEE	IDEA NO. 1

PERFORMANCE MEASURES Attributes and Rating Rationale for Proposal	Performance	Original	Alternative
Operational Impacts No change	Rating	5	5
	Weight	24	
	Contribution	120	120
Revenue Impacts No change	Rating	5	5
	Weight	26	
	Contribution	130	130
Maintainability Less bridge but more levee No change	Rating	5	5
	Weight	10	
	Contribution	50	50
Construction Impacts No change	Rating	5	5
	Weight	7	
	Contribution	35	35
Environmental Impacts More levee More restriction on floodway	Rating	5	4.5
	Weight	19	
	Contribution	95	85.5
Project Schedule About the same duration	Rating	5	5
	Weight	14	
	Contribution	70	70
	Total Performance	500	490.5
	Net Change in Performance		**-2%**

VE RECOMMENDATION NO. 2: 2-LANE FLOODWAY BRIDGE	IDEA NO. 2

Baseline Concept

The floodway bridge current baseline concept includes two separate bridges, each carrying two lanes of traffic in each main lane direction.

Recommendation Concept

The recommended concept is to build a single floodway bridge to provide two divided lanes (one lane in each direction) in the initial construction phase. Deferring the rest to future construction.

2-lane floodway bridge – assumes divided inside out construction (56-foot total)

Advantages	Disadvantages
• Defers costs to future phase • Potential to reduce overall schedule	• Bridge approaches have two lanes, which will transition to one lane in each direction • May reduce traffic flow • Transition of lanes from outside to inside at bridge • RMA board resolution to be four lanes

Cost Summary	Cost
Savings	**$7,338,011** (see discussion)

FHWA Function Benefit

Safety	*Operations*	*Environment*	*Construction*	*Other*
	✓	✓		✓

VE RECOMMENDATION NO. 2: 2-LANE FLOODWAY BRIDGE	IDEA NO. 2

Discussion/Sketches/Photos

The floodway bridge current baseline concept includes two separate bridges, each carrying two lanes of traffic in each main lane direction. Each bridge is 40 feet wide with two SSTR rails, one 10-foot shoulder, two 12-foot lanes, and one 4-foot shoulder. The bridges begin at Sta 520+53 and end at Sta 561+64; each bridge total length is 4,111feet.

The recommended concept is to build a single floodway bridge in the center to provide two divided lanes in the initial construction project. The bridge is 56 feet wide with two SSTR rails, one 10-foot shoulder, one 12-foot lane, one 4-foot shoulder, one 2-foot SSCB barrier, one 4-foot shoulder, one 12-foot lane, and one 10-foot shoulder.

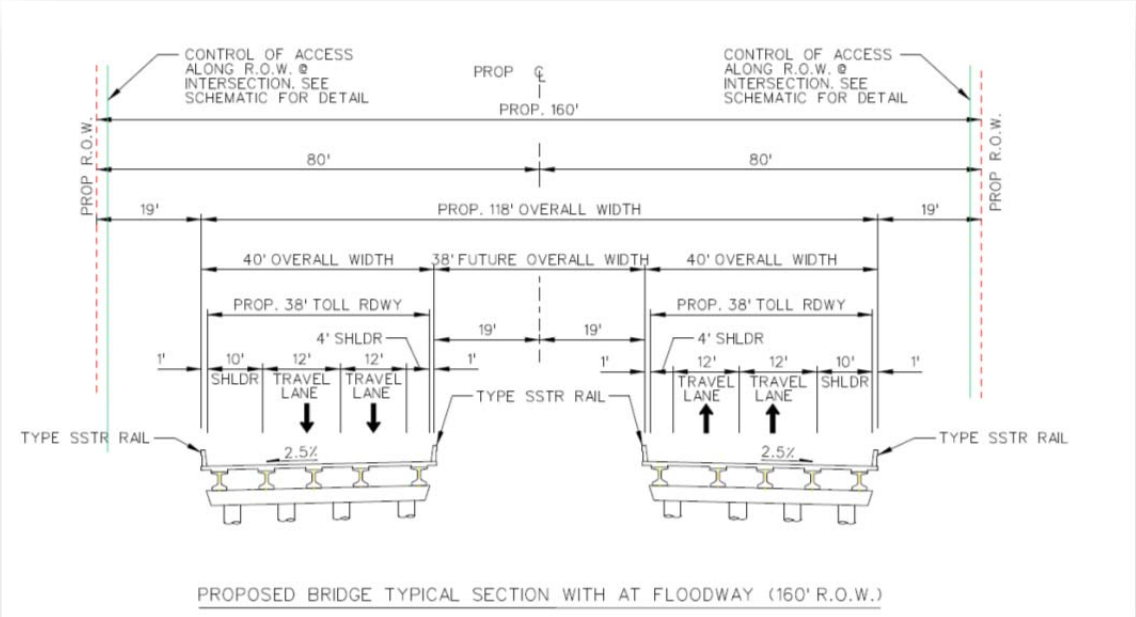


Figure 1: Current Baseline Section

VE RECOMMENDATION NO. 2: 2-LANE FLOODWAY BRIDGE	IDEA NO. 2

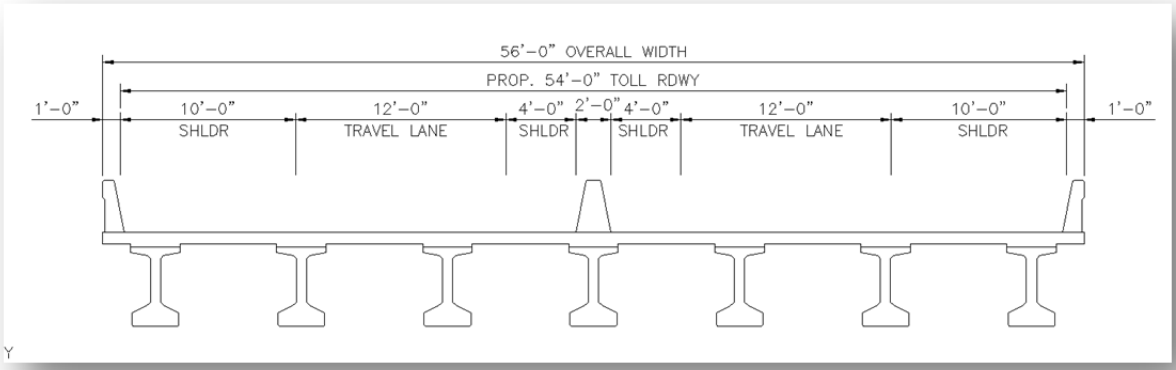


Figure 2: Recommended Section

Cost Estimate
Unit cost is based on the original concept fee estimate.

Original Concept (Current Baseline Concept)
Bridge Cost:

Bridge deck area = 4,111 feet * 40 * 2 = 328,880 sq ft.

Cost = **$55.00** / sq ft

Total cost = **344,640** sq ft * **$55.00** / sq. ft = **$18,955,200**

10% contingency = **$18,955,200*** 0.1 = **$1,895,520**

6% mobilization = (**$18,955,200**+**$1,895,520**) * .06 = **$1,251,043**

Total cost $18,955,200+ **$1,895,520**+**$1,251,043** = **$22,101,763**

Recommended Concept
Bridge Cost:

Bridge deck area = 4111 feet * 56 = 230,216 sq ft.

Cost = **$55.00** / sq ft

Total cost = 230,216 sq ft * **$55.00** / sq. ft = **$12,661,880**

10% contingency = **$12,661,880*** 0.1 = **$1,266,188**

6% mobilization = (**$12,661,880**+**$1,266,188**) * .06 = **$835,684**

Total cost $12,661,880+ **$1,266,188**+ **$835,684**= **$14,763,752**

These costs are for structural only. There would be some additional savings from reduced embankment; the amount is not significant compared to bridge savings.

VE RECOMMENDATION NO. 2: 2-LANE FLOODWAY BRIDGE	IDEA NO. 2

Idea No. 2 Bridge Reduction:

BRIDGE

Base Bridge Length =	4,308	LF
Base Bridge Width =	40	FT
Base Bridge Area X 2 Bridges =	344,640.00	SF
Base Bridge Cost (2 Bridges) =	$ 18,955,200.00	
Base Bridge Cost/SF =	$ 55.00	SF
Recommended Bridge Length Quantity =	4,111.00	FT
Recommended Base Bridge Width =	56	FT
Recommended Bridge Area (1 Bridges) =	230,216.00	
Recommended Bridge Area Cost =	$ 12,661,880.00	

ROADWAY

New Roadway Length Required =	0	FT
Pavement Width =	0	FT

ADDITIONAL ROADWAY ITEMS

DESC CODE	ITEM DESCRIPTION	UNITS	QUANTITY	AGREED UNIT BID PRICE	Agreed Bid Price Unit Cost AMOUNT
132-2006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	0	$4.00	$0.00
132-2008	EMBANKMENT (LEVEE)	CY	0	$4.00	$0.00
247-2225	FL BS (RDWY DEL)(TY E GR 4)(FNAL POS)	CY	0	$15.00	$0.00
260-xxxx	LIME TRT (NEW BASE) (20")	SY	0	$2.00	$0.00
260-2011	LIME TRT (EXST MATL) (12")	SY	0	$1.30	$0.00
260-2016	LIME (HYD, COM, OR QK(SLURRY))	TON	0	$140.00	$0.00
340-2135	D-GR HMA(METH) TY-D SAC-A PG76-22	TON	0	$75.00	$0.00
340-2239	D-GR HMA(METH) TY-B SAC-B PG64-22	TON	0	$70.00	$0.00
				TOTAL	$0.00

TOTAL IDEA NO 2 COST SAVINGS

Bridge =	$ 6,293,320.00
Additional Roadway Items =	$0.00
Contingencies (10%)	$629,332.00
Mobilization (6%)	$415,359.12
Savings =	$ 7,338,011.12

VE RECOMMENDATION NO. 2: 2-LANE FLOODWAY BRIDGE	IDEA NO. 2

PERFORMANCE MEASURES Attributes and Rating Rationale for Proposal	Performance	Original	Alternative
Operational Impacts May reduce traffic flow	Rating	5	4.5
	Weight	24	
	Contribution	120	108
Revenue Impacts No change	Rating	5	5
	Weight	26	
	Contribution	130	130
Maintainability Reduced structure to maintain	Rating	5	7
	Weight	10	
	Contribution	50	70
Construction Impacts Reduced construction in the floodway	Rating	5	7
	Weight	7	
	Contribution	35	49
Environmental Impacts Less impact in the floodway	Rating	5	7
	Weight	19	
	Contribution	95	133
Project Schedule No change	Rating	5	5
	Weight	14	
	Contribution	70	70
	Total Performance	500	560
	Net Change in Performance		**12%**

VE RECOMMENDATION NO. 3: SINGLE 4-LANE FLOODWAY BRIDGE	IDEA NO. 3

Baseline Concept

The floodway bridge current baseline concept includes two separate bridges, each carrying two lanes of traffic in each main lane direction.

Recommendation Concept

The recommended concept is to make the floodway bridge one 4-lane bridge instead of two 2-lane bridges. The bridge is 80 feet wide with two SSTR rails, one 10-foot shoulder, two 12-foot lanes, one 4-foot shoulder, one 2-foot SSCB barrier, one 4-foot shoulder, two 12-foot lanes, and one 10-foot shoulder.

Advantages	Disadvantages
• Reduces costs • Improved constructability (both initial and long term) • Less scour	• Potential nighttime headlight glare issue • Transition of lanes from outside to inside at bridge

Cost Summary	Cost
Savings	**$263,639** (see discussion)

FHWA Function Benefit

Safety	*Operations*	*Environment*	*Construction*	*Other*
	✓	✓		✓

VE RECOMMENDATION NO. 3: SINGLE 4-LANE FLOODWAY BRIDGE	IDEA NO. 3

Discussion/Sketches/Photos

The floodway bridge current baseline concept includes two separate bridges, each carrying two lanes of traffic in each main lane direction. Each bridge is 40 feet wide with two SSTR rails, one 10-foot shoulder, two 12-foot lanes, and one 4-foot shoulder. The bridges begin at Sta 520+53 and end at Sta 561+64; each bridge total length is 4,111 feet.

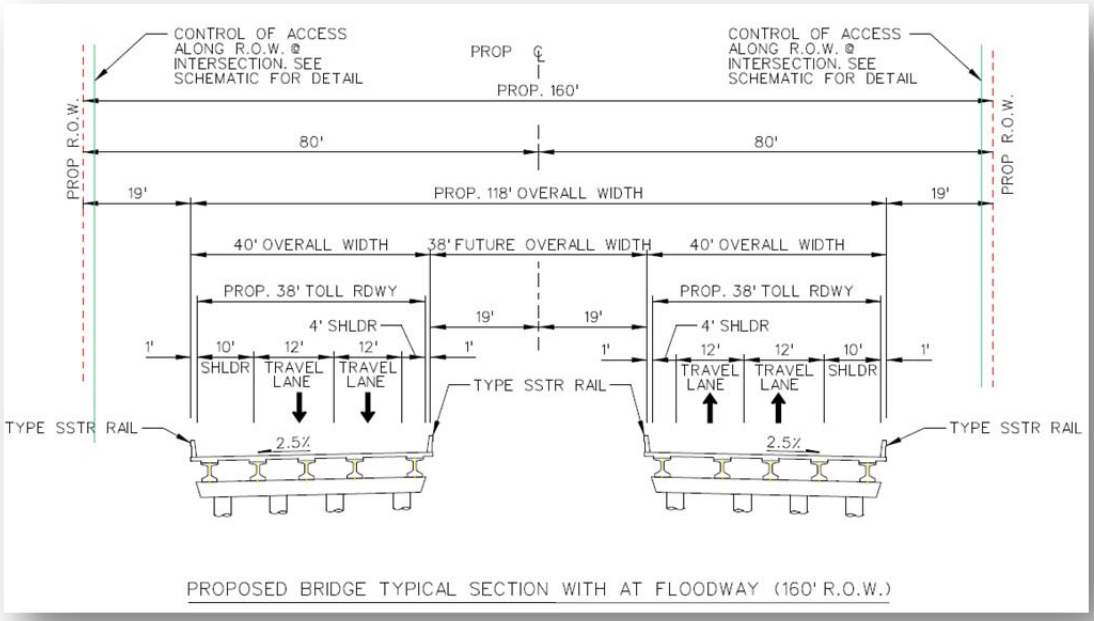
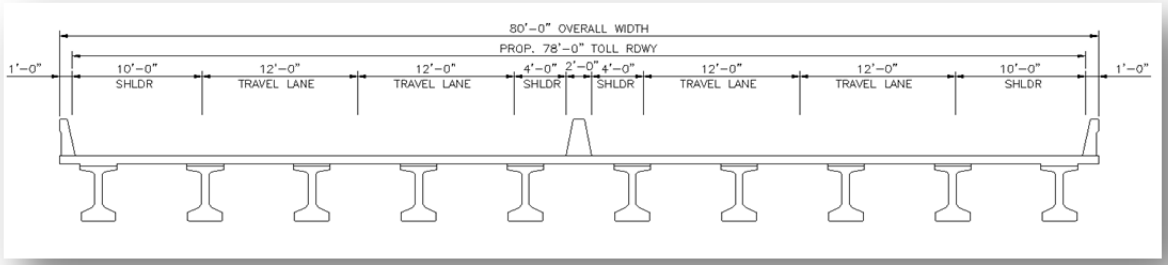


Figure 1: Current Baseline Section

The recommended concept is to make the floodway bridge one 4-lane bridge instead of two 2-lane bridges. The bridge is 80 feet wide with two SSTR rails, one 10-foot shoulder, two 12-foot lane, one 4-foot shoulder, one 2-foot SSCB barrier, one 4-foot shoulder, two 12-foot lane, and one 10-foot shoulder.



VE RECOMMENDATION NO. 3: SINGLE 4-LANE FLOODWAY BRIDGE	IDEA NO. 3

Making the two bridges into one bridge provides some savings in construction cost, simplifies construction, and shortens construction time.

The potential of reduced initial cost is greater than any reduction in performance.

If two bridges are built per the baseline concept:

1. There would be two mobilizations to build the slabs versus one mobilization to build one bridge.
2. There would be additional time required to set the overhang brackets and place forms versus a quick setting of prestressed concrete panels between girders.
3. There would be two bridge rails used versus a single traffic barrier down the middle.
4. There would be a lesser efficiency in substructures' column/foundation in two bridges as compared to one bridge.

From a pure construction cost standpoint, one would expect to save about $60.00 per linear foot of bridge in one bridge construction. However, the main advantages are construction simplification and reduction in construction time that are not quantified here.

Cost Estimate

Original Concept (Current Baseline Concept)

Original concept cost estimate. - **$18,955,200**

Recommended Concept

Total cost saving = 4,111 ft * **$55.00** / ft = **$226,105**

10% contingency = **$226,105** * 0.1 = **$22,611**

6% mobilization = **$226,105**+ **$22,611**) * 0.06 = **$14,923**

Total cost savings =$226,105+ **$22,611**+ **$14,923**= **$263,639**

VE RECOMMENDATION NO. 3: SINGLE 4-LANE FLOODWAY BRIDGE	IDEA NO. 3

PERFORMANCE MEASURES Attributes and Rating Rationale for Proposal	Performance	Original	Alternative
Operational Impacts No change	Rating	5	5
	Weight	24	
	Contribution	120	120
Revenue Impacts No change	Rating	5	5
	Weight	26	
	Contribution	130	130
Maintainability Slight decrease in maintenance; one bridge to maintain vs. two	Rating	5	5.5
	Weight	10	
	Contribution	50	55
Construction Impacts Simplified construction	Rating	5	6
	Weight	7	
	Contribution	35	42
Environmental Impacts Smaller environmental footprint	Rating	5	5.5
	Weight	19	
	Contribution	95	104.5
Project Schedule	Rating	5	5
	Weight	14	
	Contribution	70	70
	Total Performance	500	521.5
	Net Change in Performance		4%

VE RECOMMENDATION NO. 4: SHORTER BRIDGE SPANS	IDEA NO. 5

Baseline Concept

For the IBTC project, the typical overpass bridge structures along the corridor go over the existing local streets and are designed with a typical three span bridge.

Recommendation Concept

Design shorter bridge spans adjacent to the abutments (vertical abutments at the overpass)

Advantages	Disadvantages
• Reduced bridge cost • Shorter bridge spans for the outside spans	• Additional wall costs • Slight inconvenience to the turnaround traffic

Cost Summary	Cost
Savings	**$1,062,646** (see discussion)

FHWA Function Benefit

Safety	*Operations*	*Environment*	*Construction*	*Other*
	✓	✓		✓

VE RECOMMENDATION NO. 4: SHORTER BRIDGE SPANS	IDEA NO. 5

Discussion/Sketches/Photos

For the IBTC project, the typical overpass bridge structures spanning the existing local streets are designed with a typical three span bridge. The nominal spans are 90 feet, 112 feet, and 90 feet, for a total bridge length of 292 feet without considering any skews. At each overpass, there are two separate bridges, each carrying two lanes of traffic in each main lane direction. Each bridge has a width of 40 feet. The outside spans are for turnaround and the center span is for the local street traffic.

This recommendation suggests that the span length of the outside spans be shortened and MSE walls be provided to retain the embankment. The change is applied to the overpass at FM 2557 (Stewart Road), FM 907 (Alamo Road), Tower Road, and Valley View Road; that will be a total of 4 crossings.

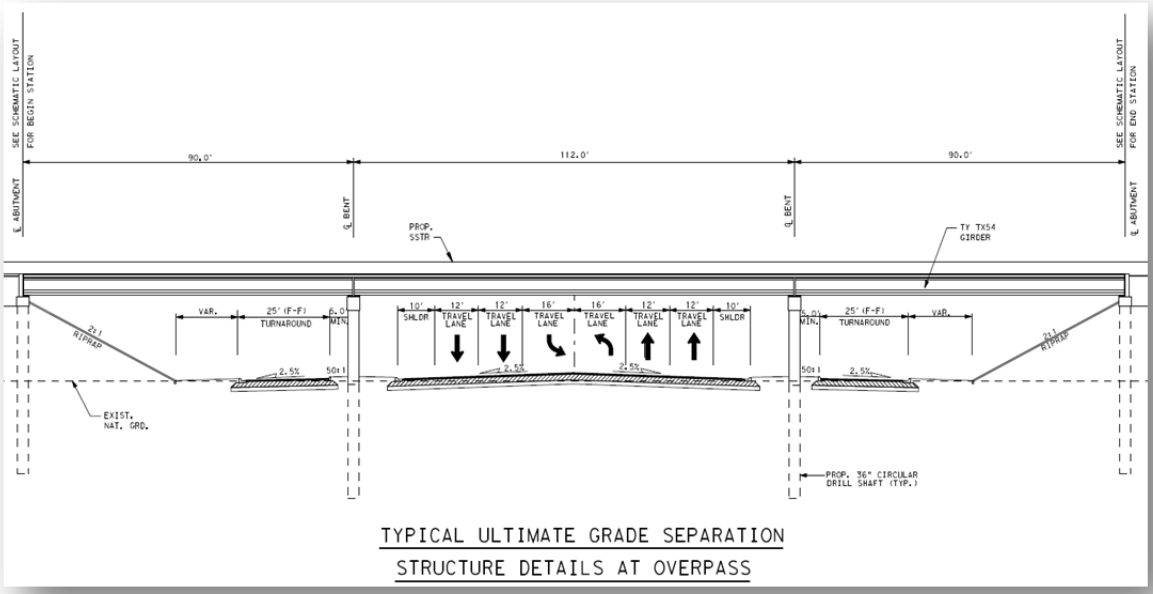


Figure 1: Current Baseline Section

The spans are 90 feet, 112 feet, and 90 feet.

See Figure 2 for proposed outside span length and MSE wall locations. The outside spans can be reduced from 90 feet to 45 feet for bridges perpendicular to the cross streets. For the bridge at a skew to the cross street, the outside spans will be reduced from 130 feet to 64 feet.

VE RECOMMENDATION NO. 4: SHORTER BRIDGE SPANS	IDEA NO. 5

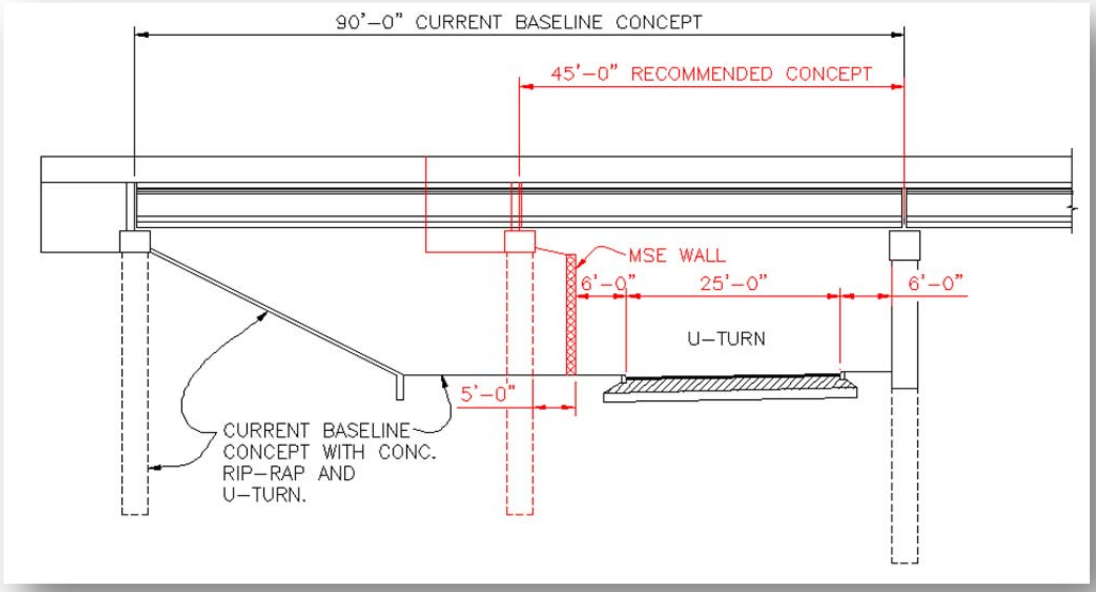


Figure 2: Recommended Section

In Figure 2, the black areas drawn are the current baseline concept. The red areas are the recommended concept. Figure 2 shows one outside span only.

Cost Estimate

Unit cost is based on the original concept fee estimate.

VE RECOMMENDATION NO. 4: SHORTER BRIDGE SPANS	IDEA NO. 5

Idea No. 5 Shorter Bridge Spans:

BRIDGE (PERPENDICULAR)(STEWARD RD, ALAMO RD & STEWART RD)		
Base Bridge Length =	180	LF (2-90 FT OUTSIDE SPANS)
Base Bridge Width =	40	FT
Base Bridge Area X 2 Bridges =	43,200.00	SF (3 - Bridges)
Base Bridge Cost (2 Bridges) =	$ 2,376,000.00	
Base Bridge Cost/SF =	$ 55.00	SF
Recommended Bridge Length =	90	LF (2-45 FT SPANS)
Recommended Bridge Width =	40	SF
Recommended Bridge Area X 2 Bridges =	21,600.00	SF (3 - Bridges)
Recommended Bridge Area Cost =	$ 1,188,000.00	

BRIDGE (SKEWED)(VALLLEY VIEW RD)		
Base Bridge Length =	90	LF (2-45 FT SPANS)
Base Bridge Width =	40	FT
Base Bridge Area X 2 Bridges =	7,200.00	SF
Base Bridge Cost (2 Bridges) =	$ 396,000.00	
Base Bridge Cost/SF =	$ 55.00	SF
Recommended Bridge Length =	128	LF (2-64 FT SPANS)
Recommended Bridge Width =	40	SF
Recommended Bridge Area X 2 Bridges =	10,240.00	SF
Recommended Bridge Area Cost =	$ 563,200.00	

ROADWAY		
New Roadway Length Required =	0	FT
Pavement Width =	0	FT

ADDITIONAL ROADWAY ITEMS

DESC CODE	ITEM DESCRIPTION	UNITS	QUANTITY	AGREED UNIT BID PRICE	Agreed Bid Price Unit Cost AMOUNT
132-2006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	0	$4.00	$0.00
132-2008	EMBANKMENT (LEVEE)	CY	0	$4.00	$0.00
247-2225	FL BS (RDWY DEL)(TY E GR 4)(FNAL POS)	CY	0	$15.00	$0.00
260-xxxx	LIME TRT (NEW BASE) (20")	SY	0	$2.00	$0.00
260-2011	LIME TRT (EXST MATL) (12")	SY	0	$1.30	$0.00
260-2016	LIME (HYD, COM, OR QK(SLURRY))	TON	0	$140.00	$0.00
340-2135	D-GR HMA(METH) TY-D SAC-A PG76-22	TON	0	$75.00	$0.00
340-2239	D-GR HMA(METH) TY-B SAC-B PG64-22	TON	0	$70.00	$0.00
423-2001	RETAINING WALL (MSE)	SF	3,648	$30.00	$109,440.00
				TOTAL	$109,440.00

TOTAL IDEA NO 5 COST SAVINGS	
Bridge =	$ (1,020,800.00)
Additional Roadway Items =	$109,440.00
Contingencies (10%)	-$91,136.00
Mobilization (6%)	-$60,149.76
Savings =	$ (1,062,645.76)

VE RECOMMENDATION NO. 4: SHORTER BRIDGE SPANS	IDEA NO. 5

PERFORMANCE MEASURES Attributes and Rating Rationale for Proposal	Performance	Original	Alternative
Operational Impacts No change	*Rating*	5	5
	Weight	24	
	Contribution	120	120
Revenue Impacts No change	*Rating*	5	5
	Weight	26	
	Contribution	130	130
Maintainability No change	*Rating*	5	5
	Weight	10	
	Contribution	50	50
Construction Impacts No change	*Rating*	5	5
	Weight	7	
	Contribution	35	35
Environmental Impacts No change	*Rating*	5	5
	Weight	19	
	Contribution	95	95
Project Schedule No change	*Rating*	5	5
	Weight	14	
	Contribution	70	70
	Total Performance	500	500
	Net Change in Performance		**0%**

VE RECOMMENDATION NO. 5: ONE LANE DIRECT CONNECTORS AT THE INTERCHANGE OF SH 365 AND IBTC	IDEA NO. 7

Baseline Concept

The current baseline concept included 2-lane director connectors in the interchange of IBTC and SH 365 (see Figure 1, 2-lane direct connectors shown on blue).

Recommendation Concept

Build 1-lane direct connectors at the interchange of SH 365 and IBTC. Defer second lane until traffic volumes warrant them.

Advantages	Disadvantages
• Reduces initial costs • Consistent with traffic volumes (2035 forecast)	• Makes future expansion difficult – could require taking bridge out of service • Reduces maintenance costs

Cost Summary	Cost
Savings	**$3,521,776** (see discussion)

FHWA Function Benefit

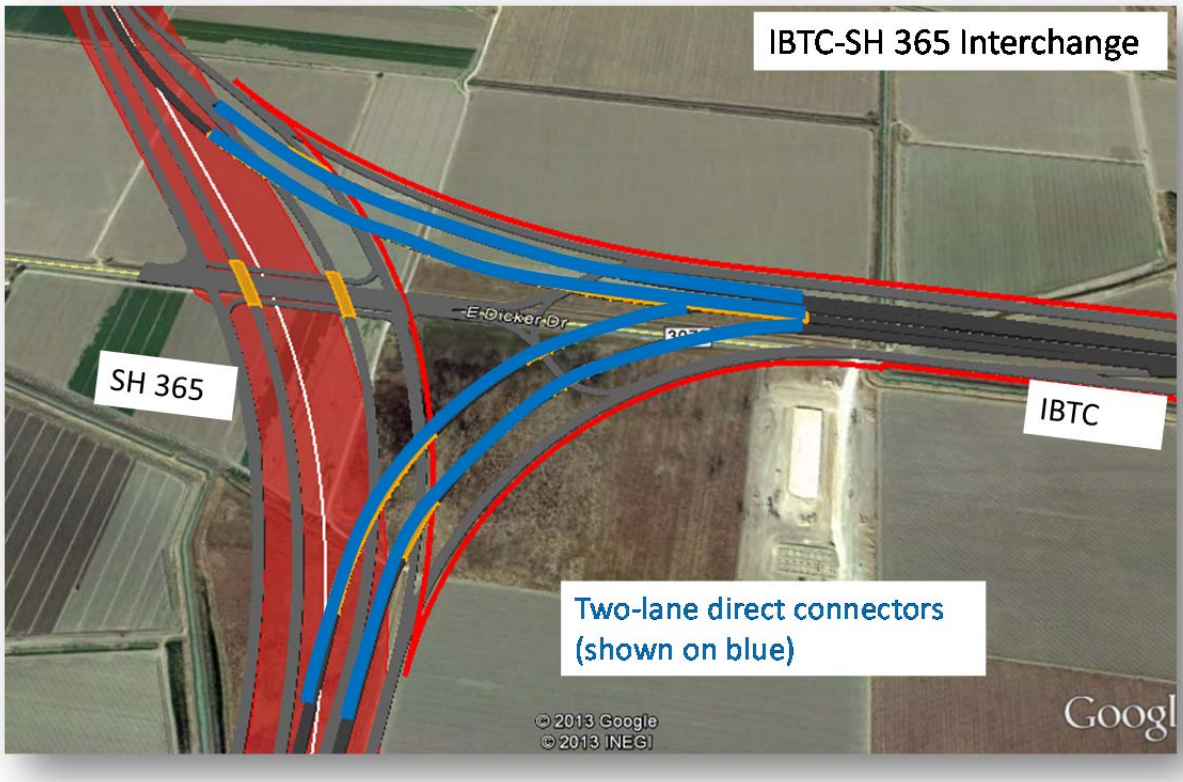
Safety	*Operations*	*Environment*	*Construction*	*Other*
	✓	✓		✓

VE RECOMMENDATION NO. 5: ONE LANE DIRECT CONNECTORS AT THE INTERCHANGE OF SH 365 AND IBTC	IDEA NO. 7

Discussion/Sketches/Photos

The current baseline concept includes 2-lane director connectors in the interchange of IBTC and SH 365(see Figure 1, 2-lane direct connectors shown on blue). According to the SH 365 Level of Service Analysis report dated March 2013, the 2035 peak hour traffic of the direct connectors does not warrant two lanes (2035 peak hour traffic volumes will be less than 1,000 vehicles per hour). Building 1-lane direct connectors will not produce congestion or reduce the level of service of the facility and it will reduce construction and annual maintenance costs.

Figure 1



Delaying the construction of 2-lane direct connectors will result in a reduction of capital and maintenance costs. The capital cost breakdown is shown below.

VE RECOMMENDATION NO. 5: ONE LANE DIRECT CONNECTORS AT THE INTERCHANGE OF SH 365 AND IBTC	IDEA NO. 7

ORIGINAL CONCEPT

I. Earth Work & Landscape subtotal	$	-
II. Subgrade Treatments & Base subtotal	$	1,232,176
III. Surface Courses & Pavement subtotal	$	2,123,676
IV. Structures subtotal	$	9,866,098
V. Miscellaneous subtotal	$	-
VI. Lighting, Signing, PM, & Signals subtotal	$	-
VII. Right of Way	$	-
Total Estimate	$	14,015,267

Subgrade Treatments & Base ★

	Item No.	Description Code	Description	Quantity	Unit Price	Unit	Amount
	204	2003	SPRINKLING (DUST CONTROL)	-		MG	
	247	2225	FL BS (RDWY DEL)(TY E GR 4)(FNAL POS)	11,489.84	$ 15.00	CY	$ 172,347.60
	260	****	LIME TRT (NEW BASE) (20")	20,681.71	$ 2.00	SY	$ 41,363.42
	260	2011	LIME TRT (EXST MATL) (12")	22,037.89	$ 1.30	SY	$ 28,649.26
	260	2043	LIME (HYD, COM OR QK)(SLURRY)	933.22	$ 140.00	TON	$ 130,650.80
	247	2225	FL BS (RDWY DEL)(TY E GR 4)(FNAL POS)	6,699.96	$ 15.00	CY	$ 100,499.40
>	260	****	LIME TRT (NEW BASE) (20")	12,059.93	$ 2.00	SY	$ 24,119.86
	260	2011	LIME TRT (EXST MATL) (12")	12,850.74	$ 1.30	SY	$ 16,705.96
	260	2043	LIME (HYD, COM OR QK)(SLURRY)	544.18	$ 140.00	TON	$ 76,185.20
	247	2225	FL BS (RDWY DEL)(TY E GR 4)(FNAL POS)	9,913.18	$ 15.00	CY	$ 148,697.70
	260	****	LIME TRT (NEW BASE) (20")	17,843.72	$ 2.00	SY	$ 35,687.44
	260	2011	LIME TRT (EXST MATL) (12")	19,013.80	$ 1.30	SY	$ 24,717.94
	260	2043	LIME (HYD, COM OR QK)(SLURRY)	805.16	$ 140.00	TON	$ 112,722.40
			.				
	247	2225	FL BS (RDWY DEL)(TY E GR 4)(FNAL POS)	6,401.23	$ 15.00	CY	$ 96,018.45
>	260	****	LIME TRT (NEW BASE) (20")	11,522.22	$ 2.00	SY	$ 23,044.44
	260	2011	LIME TRT (EXST MATL) (12")	12,277.78	$ 1.30	SY	$ 15,961.11
	260	2043	LIME (HYD, COM OR QK)(SLURRY)	519.92	$ 140.00	TON	$ 72,788.80

★ Total estimate includes 6% mobilization and 10% contingency.

VE RECOMMENDATION NO. 5: ONE LANE DIRECT CONNECTORS AT THE INTERCHANGE OF SH 365 AND IBTC	IDEA NO. 7

Surface Courses and Pavement

Item No.	Description Code	Description	Quantity	Unit Price	Unit	Amount
310	2001	PRIME COAT (MC-30)	3,966.82	4.50	GAL	$ 17,850.69
316	2706	ASPH (TIER II)	6,346.91	3.10	GAL	$ 19,675.43
316	2722	AGGR (GR 4P)	165.28	64.00	CY	$ 10,578.19
3268	2047	D-GR HMA TY-D SAC-A PG76-22	3,304.67	75.00	TON	$ 247,850.25
3268	2073	D-GR HMA TY B SAC-A PG 76-22	4,957.00	70.00	TON	$ 346,990.00
310	2001	PRIME COAT (MC-30)	2,313.13	4.50	GAL	$ 10,409.09
316	2706	ASPH (TIER II)	3,701.01	3.10	GAL	$ 11,473.12
316	2722	AGGR (GR 4P)	96.38	64.00	CY	$ 6,168.35
3268	2047	D-GR HMA TY-D SAC-A PG76-22	1927.02	75	TON	$ 144,526.50
3268	2073	D-GR HMA TY B SAC-A PG 76-22	2890	70	TON	$ 202,300.00
310	2001	PRIME COAT (MC-30)	3422.48	4.5	GAL	$ 15,401.16
316	2706	ASPH (TIER II)	5475.968	3.1	GAL	$ 16,975.50
316	2722	AGGR (GR 4P)	142.6033333	64	CY	$ 9,126.61
3268	2047	D-GR HMA TY-D SAC-A PG76-22	2851	75	TON	$ 213,825.00
3268	2073	D-GR HMA TY B SAC-A PG 76-22	4276	70	TON	$ 299,320.00
		.				
310	2001	PRIME COAT (MC-30)	2210	4.5	GAL	$ 9,945.00
316	2706	ASPH (TIER II)	3536	3.1	GAL	$ 10,961.60
316	2722	AGGR (GR 4P)	92.08333333	64	CY	$ 5,893.33
3268	2047	D-GR HMA TY-D SAC-A PG76-22	1841	75	TON	$ 138,075.00
3268	2073	D-GR HMA TY B SAC-A PG 76-22	2761	70	TON	$ 193,270.00

Item No.	Description Code	Description	Quantity	Unit Price	Unit	Amount
		BRIDGE WN	14,530.00	55.00		$ 799,150.00
		BRIDGE SE	109,331.00	55.00		$ 6,013,205.00
		BRIDGE WS	29,917.00	55.00		$ 1,645,435.00
		BRIDGE NE	9,298.00	55.00		$ 511,390.00

PROPOSED CONCEPT

I. Earth Work & Landscape subtotal	$	-
II. Subgrade Treatments & Base subtotal	$	934,477
III. Surface Courses & Pavement subtotal	$	1,565,590
IV. Structures subtotal	$	7,399,453
V. Miscellaneous subtotal	$	-
VI. Lighting, Signing, PM, & Signals subtotal	$	-
VII. Right of Way	$	-
Total Estimate	$	10,493,491

VE RECOMMENDATION NO. 5: ONE LANE DIRECT CONNECTORS AT THE INTERCHANGE OF SH 365 AND IBTC	IDEA NO. 7

Subgrade Treatments & Base

	Item No.	Description Code	Description	Quantity	Unit Price	Unit	Amount
	204	2003	SPRINKLING (DUST CONTROL)	-		MG	
	247	2225	FL BS (RDWY DEL)(TY E GR 4)(FNAL POS)	8,664.47	$ 15.00	CY	$ 129,967.05
	260	****	LIME TRT (NEW BASE) (20")	15,596.04	$ 2.00	SY	$ 31,192.08
	260	2011	LIME TRT (EXST MATL) (12")	16,952.22	$ 1.30	SY	$ 22,037.89
	260	2043	LIME (HYD, COM OR QK)(SLURRY)	713.00	$ 140.00	TON	$ 99,820.00
	247	2225	FL BS (RDWY DEL)(TY E GR 4)(FNAL POS)	5,052.43	$ 15.00	CY	$ 75,786.45
>	260	****	LIME TRT (NEW BASE) (20")	9,094.00	$ 2.00	SY	$ 18,188.00
	260	2011	LIME TRT (EXST MATL) (12")	9,885.19	$ 1.30	SY	$ 12,850.75
	260	2043	LIME (HYD, COM OR QK)(SLURRY)	415.18	$ 140.00	TON	$ 58,125.20
	247	2225	FL BS (RDWY DEL)(TY E GR 4)(FNAL POS)	7,475.51	$ 15.00	CY	$ 112,132.65
	260	****	LIME TRT (NEW BASE) (20")	13,455.92	$ 2.00	SY	$ 26,911.84
	260	2011	LIME TRT (EXST MATL) (12")	14,626.00	$ 1.30	SY	$ 19,013.80
	260	2043	LIME (HYD, COM OR QK)(SLURRY)	614.29	$ 140.00	TON	$ 86,000.60
			.				
	247	2225	FL BS (RDWY DEL)(TY E GR 4)(FNAL POS)	4,827.00	$ 15.00	CY	$ 72,405.00
>	260	****	LIME TRT (NEW BASE) (20")	8,688.00	$ 2.00	SY	$ 17,376.00
	260	2011	LIME TRT (EXST MATL) (12")	9,444.00	$ 1.30	SY	$ 12,277.20
	260	2043	LIME (HYD, COM OR QK)(SLURRY)	396.00	$ 140.00	TON	$ 55,440.00

Surface Courses and Pavement

Item No.	Description Code	Description	Quantity	Unit Price	Unit	Amount
310	2001	PRIME COAT (MC-30)	2,949.00	4.50	GAL	$ 13,270.50
316	2706	ASPH (TIER II)	4,718.40	3.10	GAL	$ 14,627.04
316	2722	AGGR (GR 4P)	122.88	64.00	CY	$ 7,864.00
3268	2047	D-GR HMA TY-D SAC-A PG76-22	2,435.00	75.00	TON	$ 182,625.00
3268	2073	D-GR HMA TY B SAC-A PG 76-22	3,652.00	70.00	TON	$ 255,640.00
310	2001	PRIME COAT (MC-30)	1,720.00	4.50	GAL	$ 7,740.00
316	2706	ASPH (TIER II)	2,752.00	3.10	GAL	$ 8,531.20
316	2722	AGGR (GR 4P)	71.67	64.00	CY	$ 4,586.67
3268	2047	D-GR HMA TY-D SAC-A PG76-22	1419	75	TON	$ 106,425.00
3268	2073	D-GR HMA TY B SAC-A PG 76-22	2129	70	TON	$ 149,030.00
310	2001	PRIME COAT (MC-30)	2544	4.5	GAL	$ 11,448.00
316	2706	ASPH (TIER II)	4070.4	3.1	GAL	$ 12,618.24
316	2722	AGGR (GR 4P)	106	64	CY	$ 6,784.00
3268	2047	D-GR HMA TY-D SAC-A PG76-22	2100	75	TON	$ 157,500.00
3268	2073	D-GR HMA TY B SAC-A PG 76-22	3151	70	TON	$ 220,570.00
		.				
310	2001	PRIME COAT (MC-30)	1643	4.5	GAL	$ 7,393.50
316	2706	ASPH (TIER II)	2628.8	3.1	GAL	$ 8,149.28
316	2722	AGGR (GR 4P)	68.45833333	64	CY	$ 4,381.33
3268	2047	D-GR HMA TY-D SAC-A PG76-22	1356	75	TON	$ 101,700.00
3268	2073	D-GR HMA TY B SAC-A PG 76-22	2034	70	TON	$ 142,380.00

Item No.	Description Code	Description	Quantity	Unit Price	Unit	Amount
		BRIDGE WN	10,897.00	55.00		$ 599,335.00
		BRIDGE SE	81,998.00	55.00		$ 4,509,890.00
		BRIDGE WS	22,437.00	55.00		$ 1,234,035.00
		BRIDGE NE	6,973.00	55.00		$ 383,515.00

VE RECOMMENDATION NO. 5: ONE LANE DIRECT CONNECTORS AT THE INTERCHANGE OF SH 365 AND IBTC	IDEA NO. 7

PERFORMANCE MEASURES Attributes and Rating Rationale for Proposal	Performance	Original	Alternative
Operational Impacts No change	Rating	5	5
	Weight	24	
	Contribution	120	120
Revenue Impacts No change	Rating	5	5
	Weight	26	
	Contribution	130	130
Maintainability Less bridge to maintain	Rating	5	7
	Weight	10	
	Contribution	50	70
Construction Impacts No change	Rating	5	5
	Weight	7	
	Contribution	35	35
Environmental Impacts No change	Rating	5	5
	Weight	19	
	Contribution	95	95
Project Schedule No change	Rating	5	5
	Weight	14	
	Contribution	70	70
	Total Performance	500	520
	Net Change in Performance		**4%**

VE RECOMMENDATION NO. 6: CHANGE TOWER ROAD	IDEA NO. 9

Baseline Concept

Tower Road is currently being proposed as a full diamond overpass structure.

Recommendation Concept

Change Tower Road proposed overpass to an underpass structure spanning frontage road and main lanes with jug-handle connectivity to the frontage road (see figure below). The recommendation includes continuing connectivity to the proposed frontage roads and deferring the underpass construction until traffic demand warrants it in the future.

Advantages	Disadvantages
• Reduced cost • No bridge structure at this time • Reduces embankment required • Improve ride on IBTC	• Potential stakeholder resistance

Cost Summary	Cost
Savings	**$1,521,459** (see discussion)

FHWA Function Benefit

Safety	*Operations*	*Environment*	*Construction*	*Other*
	✓	✓		✓

VE RECOMMENDATION NO. 6: CHANGE TOWER ROAD	IDEA NO. 9

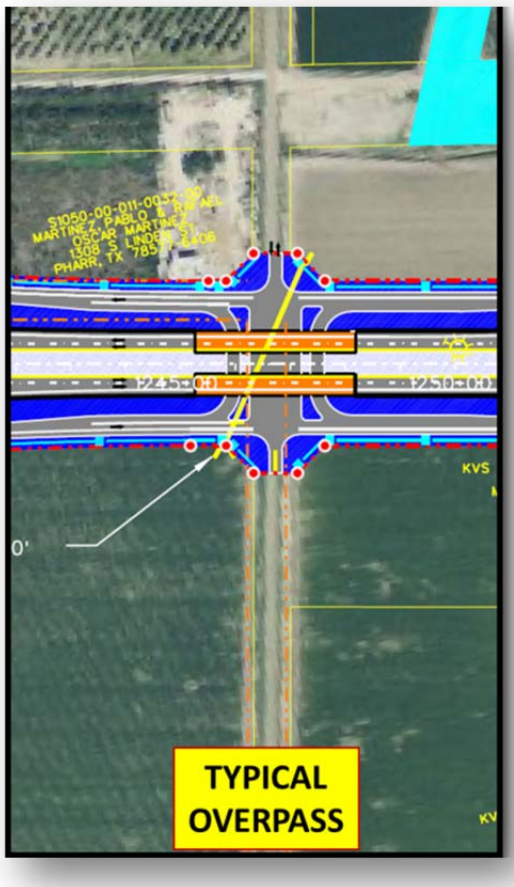
Discussion/Sketches/Photos

Tower Road is considered in the 2012 Thoroughfare Plan as an "expansion connector" with future 80-foot right-of-way. Presently, however, Tower Road is a caliche road that serves agricultural/farmland, but lacks continuity north of the floodway. Tower Road presently stops at the floodway "pilot channel" and continues east as a dirt road. North of the floodway levee, Tower Road continues as a dirt road for about a mile until it reaches Rancho Blanco Road.

The VE team recommends replacing the proposed overpass structure (as indicated below) with a proposed underpass (see figure below) and deferring the underpass construction until traffic demand warrants it in the future.

The team also recommends that Cesar Chavez Road be evaluated and treated equally to be consistent in design. Cesar Chavez Road is also a caliche road and does not cross the pilot channel.

Presently Tower Road and Cesar Chavez are approximately ¾ mile from FM 907 and FM 2557. The VE team recommends not placing consecutive overpasses at less than a mile per AASHTO and TxDOT design criteria to avoid entrance/exit ramp access problems, accidents, and weaving issues.



VE RECOMMENDATION NO. 6: CHANGE TOWER ROAD	IDEA NO. 9

CALCULATIONS:

IDEA 9 - CHANGE TOWER ROAD

REMOVE TOWER ROAD BRIDGE		
Base Bridge Length =	292.00	LF
Base Bridge Width =	40	FT
Base Bridge Area x 2 Bridges	23,360.00	SF
Base Bridge Cost (2 Bridges) =	$ 1,284,800.00	
Base Bridge Cost/SF =	$ 55.00	SF
Remove Bridge Cost Savings =	$ 1,284,800.00	

ADD TOWER ROAD BRIDGE		
Base Bridge Length =	378.00	LF
Base Bridge Width =	30	FT
Base Bridge Area	11,340.00	SF
Base Bridge Cost/SF =	$ 55.00	SF
Remove Bridge Cost Savings =	$ 623,700.00	

IDEA 12 FRONTAGE ROAD ITEMS CALCULATIONS

DESC CODE	ITEM DESCRIPTION	UNITS	AGREED UNIT QUANTITY	AGREED UNIT BID PRICE	Agreed Bid Price Unit Cost AMOUNT
132-2006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	-95,000	$4.50	($427,500.00)
247-2225	FL BS (RDWY DEL)(TY E GR 4)(FNAL POS)	CY	-2,137	$15.00	($32,055.00)
260-XXXX	LIME TRT (NEW BASE)(20")	SY	6,237	$2.00	$12,474.00
260-2011	LIME TRT (EXST MATL) (12")	SY	6,483	$1.30	$8,427.90
260-2016	LIME (HYD, COM, OR QK(SLURRY))	TON	89	$140.00	$12,460.00
340-2135	D-GR HMA(METH) TY-D SAC-A PG76-22	TON	-1,750	$75.00	($131,250.00)
340-2239	D-GR HMA(METH) TY-B SAC-B PG64-22	TON	-1,233	$70.00	($86,310.00)
				TOTAL	($643,753.10)

TOTAL IDEA NO 9 COST	
Bridge Reduction =	$ (661,100.00)
Additional Roadway Items =	$ (643,753.10)
Contingencies (10%)	$ (130,485.31)
Mobilization (6%)	$ (86,120.30)
Savings =	$ (1,521,458.71)

Total cost savings = $ 1,521,459

VE RECOMMENDATION NO. 6: CHANGE TOWER ROAD	IDEA NO. 9

PERFORMANCE MEASURES Attributes and Rating Rationale for Proposal	Performance	Original	Alternative
Operational Impacts Improves sight distance on IBTC Degrades sight distance on Tower Road	Rating	5	6
	Weight	24	
	Contribution	120	144
Revenue Impacts No change	Rating	5	5
	Weight	26	
	Contribution	130	130
Maintainability Reduced structure to inspect and maintain	Rating	5	6
	Weight	10	
	Contribution	50	60
Construction Impacts No change	Rating	5	5
	Weight	7	
	Contribution	35	35
Environmental Impacts No change	Rating	5	5
	Weight	19	
	Contribution	95	95
Project Schedule Smaller embankment and reduced structure but should not impact overall critical path.	Rating	5	5
	Weight	14	
	Contribution	70	70
	Total Performance	500	534
	Net Change in Performance		7%

VE RECOMMENDATION NO. 7: ELIMINATE BORDER ROAD UNDERPASS	IDEA NO. 12

Baseline Concept

Baseline concept contains an underpass to IBTC at Border Road as shown in Figure 1 below.

Recommendation Concept

Eliminate Border Road underpass and continue frontage roads to abutment of floodway bridge (turnaround) as shown in Figure 2 below.

Advantages	Disadvantages
• Reduces cost • Eliminates bridge • Potential less right-of-way • Reduces embankment • Potential reduction in construction time	• Minor increase in out of direction travel • Adds additional roadway • May have to extend floodway bridge • Environmental footprint may increase slightly

Cost Summary	Cost
Savings	**$1,406,103** (see discussion)

FHWA Function Benefit

Safety	*Operations*	*Environment*	*Construction*	*Other*
	✓	✓		✓

VE RECOMMENDATION NO. 7: ELIMINATE BORDER ROAD UNDERPASS	IDEA NO. 12

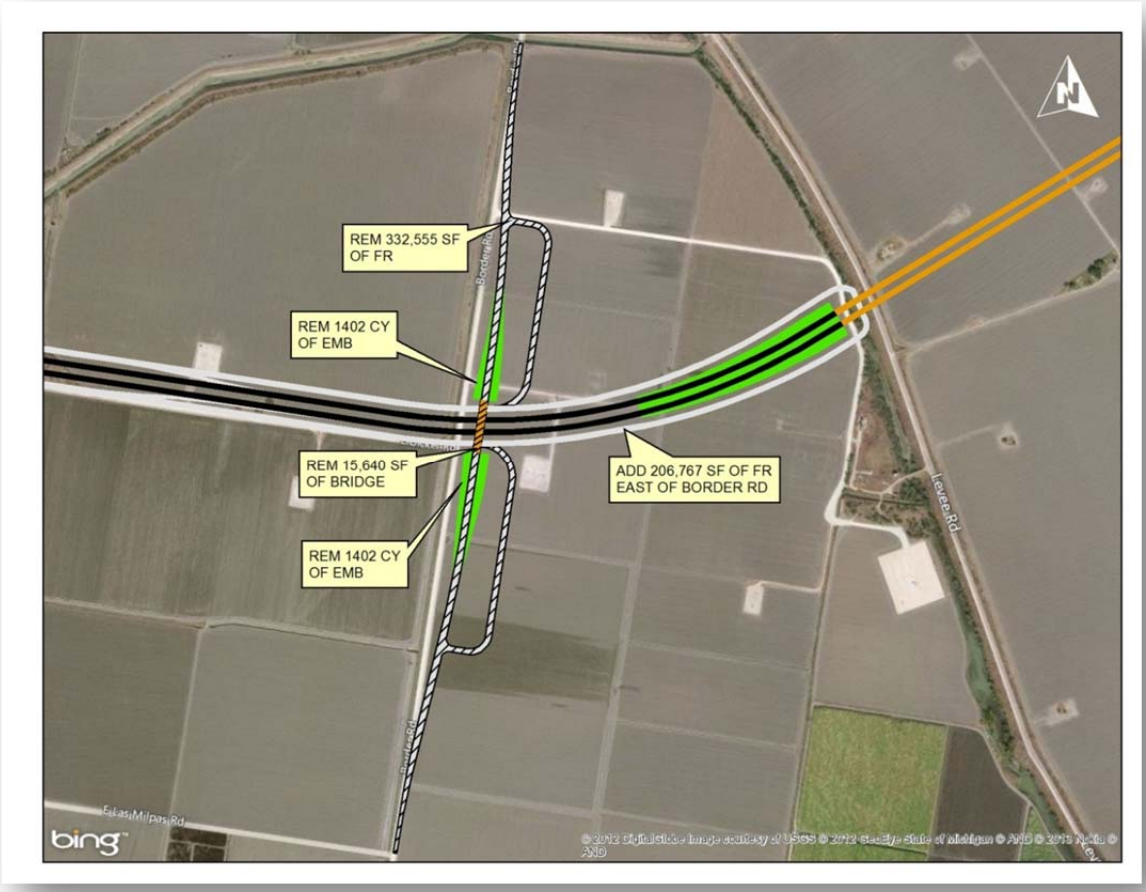
Discussion/Sketches/Photos

South of the floodway, Border Road is a discontinuous road and connects to the east at Balli Road. North of the floodway, instead of a road there is 1.5 miles of drainage channel. Border Road then picks up near El Gato Road. The deferral of the underpass in this area is warranted as Border Road only provides local circulation in the vicinity of the IBTC on what can be described as a discontinuous road. To avoid land locking the landowners, the frontage road would be extended to the east and wrap around just before the floodway, providing minimal disruption to those who would normally travel north/south along Border Road in the vicinity of the IBTC.

Figure 1 – Baseline Concept

VE RECOMMENDATION NO. 7: ELIMINATE BORDER ROAD UNDERPASS	IDEA NO. 12

Figure 2 – Recommendation Concept



VE RECOMMENDATION NO. 7: ELIMINATE BORDER ROAD UNDERPASS	IDEA NO. 12

Cost Savings Due to Recommendation Concept

Items Removed	Area (SF)
Frontage Roads	-112868
Bridges	-15640
Emb	

REMOVE BORDER ROAD BRIDGE		
Base Bridge Length =	340.00	LF
Base Bridge Width =	46	FT
Base Bridge Area	15,640.00	SF
Base Bridge Cost =	$ 860,200.00	
Base Bridge Cost/SF =	$ 55.00	SF
Remove Bridge Cost Savings =	$ 860,200.00	

IDEA 12 FRONTAGE ROAD ITEMS CALCULATIONS

DESC CODE	ITEM DESCRIPTION	UNITS	AGREED UNIT QUANTITY	AGREED UNIT BID PRICE	Agreed Bid Price Unit Cost AMOUNT
132-2006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	-2,804	$4.00	($11,216.00)
247-2225	FL BS (RDWY DEL)(TY E GR 4)(FNAL POS)	CY	-2,904	$15.00	($43,560.00)
260-2015	LIME TRT (NEW BASE)(8")	SY	-13,068	$1.30	($16,988.40)
260-2011	LIME TRT (EXST MATL) (12")	SY	-13,582	$1.30	($17,656.60)
260-2016	LIME (HYD, COM, OR QK(SLURRY))	TON	-436	$140.00	($61,040.00)
310-2001	PRIME COAT (MC-30)	GAL	-2,508	$4.50	($11,286.00)
316-2706	ASPH (TIER II)	GAL	-4,390	$3.10	($13,609.00)
316-2722	AGGR (GR 4P)	CY	-126	$64.00	($8,064.00)
340-2135	D-GR HMA(METH) TY-D SAC-A PG76-22	TON	-2,164	$75.00	($162,300.00)
				TOTAL	($345,720.00)

TOTAL IDEA NO 12 COST	
Bridge Reduction =	$ (860,200.00)
Additional Roadway Items =	$ (345,720.00)
Contingencies (10%)	$ (120,592.00)
Mobilization (6%)	$ (79,590.72)
Savings =	$ (1,406,102.72)

VE RECOMMENDATION NO. 7: ELIMINATE BORDER ROAD UNDERPASS	IDEA NO. 12

PERFORMANCE MEASURES Attributes and Rating Rationale for Proposal	Performance	Original	Alternative
Operational Impacts Slight out-of-direction travel time for user	Rating	5	5
	Weight	24	
	Contribution	120	120
Revenue Impacts No change	Rating	5	5
	Weight	26	
	Contribution	130	130
Maintainability Eliminate the bridge and reduce frontage roads	Rating	5	7
	Weight	10	
	Contribution	50	70
Construction Impacts No change	Rating	5	5
	Weight	7	
	Contribution	35	35
Environmental Impacts No change	Rating	5	5
	Weight	19	
	Contribution	95	95
Project Schedule No change	Rating	5	5
	Weight	14	
	Contribution	70	70
	Total Performance	500	520
	Net Change in Performance		4%

VE RECOMMENDATION NO. 8: REDUCE LENGTH OF SBEB DIRECT CONNECTOR AT VALLEY VIEW INTERCHANGE	IDEA NO. 15

Baseline Concept

The current SBEBDC of the interchange to the Donna bridge is accessed through a left exit from the IBTC westbound lanes, resulting in a long bridge span. The length of the bridge span is due to the skewed angle the SBEBDC alignment crosses the IBTC eastbound lanes.

Recommendation Concept

Revise the SBEBDC alignment to utilize a right exit movement from the IBTC westbound lanes and cross the IBTC main lanes at a sharper angle, which utilizes a shorter bridge span than the baseline concept.

Advantages	Disadvantages
• Reduced bridge length • Reduced cost	• May require additional right-of-way • May require reduced design speed

Cost Summary	Cost
Savings	**$708,349** (see discussion)

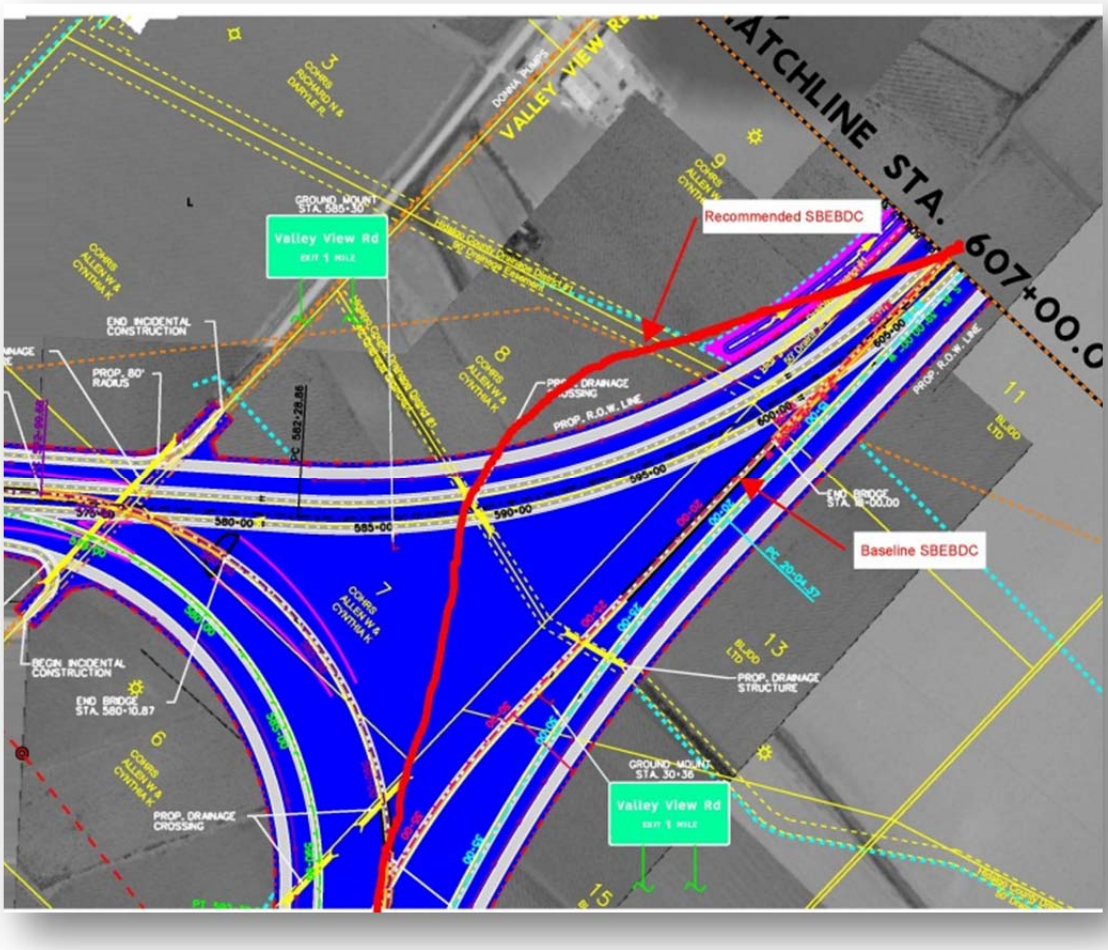
FHWA Function Benefit

Safety	*Operations*	*Environment*	*Construction*	*Other*
	✓	✓		✓

VE RECOMMENDATION NO. 8: REDUCE LENGTH OF SBEB DIRECT CONNECTOR AT VALLEY VIEW INTERCHANGE	IDEA NO. 15

Discussion/Sketches/Photos

The current alignment of the SBEBDC direct connector starts with a left exit from the IBTC westbound main lanes and crosses over the eastbound main lanes at a flat angle. The flat angle requires a longer bridge to span over the top of the IBTC eastbound main lanes. By revising the alignment to operate as a right exit from the IBTC westbound main lanes, the opportunity to cross over the IBTC main lanes at a near perpendicular angle is afforded. Additional right-of-way may be needed to accommodate the SBEBDC alignment, swinging away from the IBTC main lanes before swinging back in to span over the main lanes at a near perpendicular angle. Refer to the figure below.



Bridge elements. Although a shorter bridge span would be required to span the IBTC main lanes, a bridge will need to be added for the SBEBDC connector to span the future westbound frontage road as the alignment swings away from the IBTC main lanes. As the alignment swings back into the interchange, the SBEBDC would have to span back over the eastbound frontage before spanning the IBTC main lanes.

VE RECOMMENDATION NO. 8: REDUCE LENGTH OF SBEB DIRECT CONNECTOR AT VALLEY VIEW INTERCHANGE	IDEA NO. 15

Roadway elements. The alignment change would result in approximately 500 feet of additional roadway.

Total Bridge for Recommended Concept = 16,500 SF

Total Roadway addition for Recommended Concept = (500 LF x **38** foot width) / 9 = **2,111** SY

Cost of Baseline Concept = **$1,567,445.00**
Contingency = **$1,567,445.00** x 0.10 = **$156,745**
Mobilization = **$1,724,190** x 0.06 = **$103,451**
Total Baseline Concept = **$1,827,641**

Cost of Recommended Concept
Bridges = 16,500 SF x **$55.00**/SF = **$907,500**
Roadway = 1667 SY (See Calcs) = **$52,442**
Contingency = **$959,942** x 0.10 = **$95,994**
Mobilization = **$1,055,936** x 0.06 = **$63,356**
Total Combined Cost = **$1,119,292**

Total Savings = $708,349

VE RECOMMENDATION NO. 8: REDUCE LENGTH OF SBEB DIRECT CONNECTOR AT VALLEY VIEW INTERCHANGE	IDEA NO. 15

IDEA 15

REDUCE LENGTH OF SBEB DC AT VALLEY VIEW INTCHG		
Base Bridge Length =	712.48	LF
Base Bridge Width =	40	FT
Base Bridge Area	28,499.00	SF
Base Bridge Cost =	$ 1,567,445.00	
Base Bridge Cost/SF =	$ 55.00	SF
Remove Bridge Cost Savings =	$ 1,567,445.00	

ADD RECOMMENDED BRIDGES		
Recommended Bridge Length =	412.50	LF
Recommended Bridge Width =	40	FT
Recommended Bridge Area	16,500.00	SF
Recommended Bridge Cost/SF =	$ 55.00	SF
Recommended Bridge Cost Savings =	$ 907,500.00	

IDEA 15 ROADWAY ITEMS CALCULATIONS

DESC CODE	ITEM DESCRIPTION	UNITS	AGREED UNIT QUANTITY	AGREED UNIT BID PRICE	Agreed Bid Price Unit Cost AMOUNT
132-2006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	0	$4.50	$0.00
247-2225	FL BS (RDWY DEL)(TY E GR 4)(FNAL POS)	CY	489	$15.00	$7,335.00
260-XXXX	LIME TRT (NEW BASE)(8")	SY	2,200	$2.00	$4,400.00
260-2011	LIME TRT (EXST MATL) (12")	SY	2,286	$1.30	$2,971.80
260-2016	LIME (HYD, COM, OR QK(SLURRY))	TON	74	$140.00	$10,360.00
340-2135	D-GR HMA(METH) TY-D SAC-A PG76-22	TON	365	$75.00	$27,375.00
340-2239	D-GR HMA(METH) TY-B SAC-B PG64-22	TON	0	$70.00	$0.00
				TOTAL	$52,441.80

TOTAL IDEA NO 15 COST	
Bridge Reduction =	$ (659,945.00)
Additional Roadway Items =	$ 52,441.80
Contingencies (10%)	$ (60,750.32)
Mobilization (6%)	$ (40,095.21)
Savings =	$ (708,348.73)

VE RECOMMENDATION NO. 8: REDUCE LENGTH OF SBEB DIRECT CONNECTOR AT VALLEY VIEW INTERCHANGE	IDEA NO. 15

PERFORMANCE MEASURES Attributes and Rating Rationale for Proposal	Performance	Original	Alternative
Operational Impacts Improves driver expectations - right hand exit vs. left hand exit	Rating	5	7
	Weight	24	
	Contribution	120	168
Revenue Impacts No change	Rating	5	5
	Weight	26	
	Contribution	130	130
Maintainability No change	Rating	5	5
	Weight	10	
	Contribution	50	50
Construction Impacts No change	Rating	5	5
	Weight	7	
	Contribution	35	35
Environmental Impacts The realignment will require additional right-of-way	Rating	5	3
	Weight	19	
	Contribution	95	57
Project Schedule No change	Rating	5	5
	Weight	14	
	Contribution	70	70
	Total Performance	500	510
	Net Change in Performance		**2%**

VE RECOMMENDATION NO. 9: ELIMINATE DONNA RESERVOIR BRIDGE	IDEA NO. 16

Baseline Concept

The base schematic model currently includes a 2,000-foot section of the IBTC facility crossing the Donna Reservoir, with an earthen embankment and equalizing drainage structures approximately every 500 feet. This section also includes a 700-foot bridge to span a portion of the reservoir where water is present all the time.

Recommendation Concept

Eliminate the proposed Donna Reservoir Bridge and continue with an earthen embankment, providing additional equalizing culverts.

Advantages	Disadvantages
• Reduces cost	• May not be allowed by Irrigation District.

Cost Summary	Cost
Savings	$3,227,038 (see discussion)

FHWA Function Benefit

Safety	*Operations*	*Environment*	*Construction*	*Other*
	✓	✓		✓

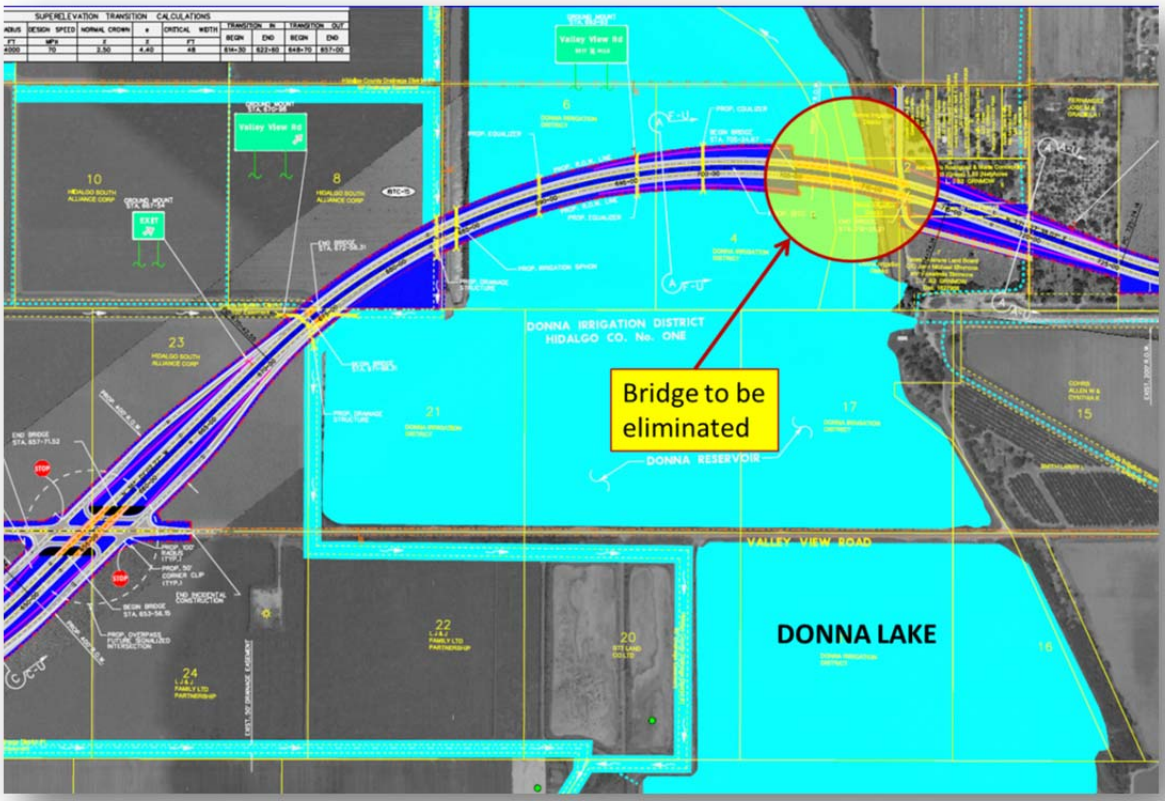
VE RECOMMENDATION NO. 9: ELIMINATE DONNA RESERVOIR BRIDGE	IDEA NO. 16

Discussion/Sketches/Photos

Presently the Donna Reservoir or Donna Lake is utilized by the Irrigation District to store and provide irrigation waters to supply agricultural demand in the vicinity of the lake. The proposed IBTC facility splits the reservoir storage area into additional east-west sections. Currently, Valley View Road has the same impact to the lake and does not provide a bridge structure.

The VE team proposes eliminating the baseline bridge structure and replacing it with continued embankment earthen berm with an adequate number of equalizing drainage structures to ensure the current flow of water from one side to the other remains equal or greater at all times.

A hydraulic analysis will be required to validate the balance of water elevation on both sides at all times. Once this is determined, size, type, and number of structures will need to be provided for inclusion in proposed design plans.

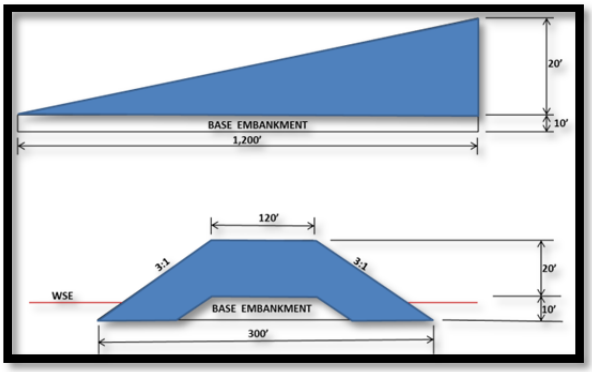


As part of this recommendation the profile grade would be lowered on both sides of the bridge for an approximate length of 1200 feet (Sta. 693 to Sta. 705 and Sta. 712 to Sta. 724) such that the embankment depth would be reduced from an average of 20 feet to an average of 10 feet.

VE RECOMMENDATION NO. 9: ELIMINATE DONNA RESERVOIR BRIDGE	IDEA NO. 16

CALCULATIONS:

Geometric Information:
Beg. Bridge Station = Sta. 705+24.67
Ending Bridge Station = Sta. 712+25.21
Length of Bridge = 700.54'
Bridge Width (2) = 40' x 2 = 80'
Beg. of Embankment = Sta. 693+00 & 712+00
End of Embankment = Sta. 705+00 & 724+00
Length of Embankments = 1200' x 2 = 2400'
Width of embankment on top = 120'



Baseline Estimate:
Baseline Embankment = 1200' x (20'-height/2)x (120'+300'/2-width) x 2-sides / 27 cf/cy = 186,667 cy
Baseline Embankment Cost = 186,667 x $**4.00** = **$746,668**
Bridge Cost = 700.54' x 80' x **55** $/sf = **$3,082,376**
Total Baseline* = *$746,668* + *$3,082,376* = *$3,829,044

Recommendation Estimate
Recommended Embankment = 1200' x (10'-height) x (120'+180'/2-width) x 2 / 27 cf/cy = 133,333 cy
Bridge Replacement Embankment = (700' x 10' x (120+180)/2)/27 = 38,889 cy
Recommended Embankment Cost = (133,333+38,889) x **$4.00** = **$688,888**
Road cost added – less embankment (see below)= **$ 372,542**
Total Recommendation Cost* = *$688,888* + *372,542* = *$1,061,430

TOTAL SAVINGS
$3,829,044 - ***$1,061,430*** = **$2,767,614**
Contingency = **$2,767,614** x 0.10 = **$276,761**
Mobilization = **$3,044,375** x 0.06 = **$182,663**

TOTAL SAVINGS = $ 3,227,038

VE RECOMMENDATION NO. 9: ELIMINATE DONNA RESERVOIR BRIDGE	IDEA NO. 16

IDEA 16 - ELIMINATE DONNA RESERVOIR BRIDGE

Items Removed	Area (SF)
Frontage Roads	0
Bridges	0
Emb	

REMOVE BORDER ROAD BRIDGE		
Base Bridge Length =	700.54	LF
Base Bridge Width =	40	FT
Base Bridge Area (2 Bridges)	56,043.20	SF
Base Bridge Cost (2 Bridges) =	$ 3,082,376.00	
Base Bridge Cost/SF =	$ 55.00	SF
Remove Bridge Cost Savings =	$ 3,082,376.00	

IDEA 16 ROADWAY ITEMS CALCULATIONS

DESC CODE	ITEM DESCRIPTION	UNITS	AGREED UNIT QUANTITY	AGREED UNIT BID PRICE	Agreed Bid Price Unit Cost AMOUNT
132-2006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	-14,140	$4.00	($56,560.00)
247-2225	FL BS (RDWY DEL)(TY E GR 4)(FNAL POS)	CY	4,322	$15.00	$64,830.00
260-XXXX	LIME TRT (NEW BASE)(20")	SY	7,780	$2.00	$15,560.00
260-2011	LIME TRT (EXST MATL) (12")	SY	8,086	$1.30	$10,511.80
260-2016	LIME (HYD, COM, OR QK(SLURRY))	TON	347	$140.00	$48,580.00
316-2239	D-GR HMA(METH) TY-B SAC-A PG64-22	CY	1,932	$70.00	$135,240.00
340-2135	D-GR HMA(METH) TY-D SAC-A PG76-22	TON	1,288	$75.00	$96,600.00
				TOTAL	$314,761.80

TOTAL IDEA NO 12 COST	
Bridge Reduction =	$ (3,082,376.00)
Additional Roadway Items =	$ 314,761.80
Contingencies (10%)	$ (276,761.42)
Mobilization (6%)	$ (182,662.54)
Savings =	$ (3,227,038.16)

VE RECOMMENDATION NO. 9: ELIMINATE DONNA RESERVOIR BRIDGE	IDEA NO. 16

PERFORMANCE MEASURES Attributes and Rating Rationale for Proposal	Performance	Original	Alternative
Operational Impacts Improved sight distance	Rating	5	6
	Weight	24	
	Contribution	120	144
Revenue Impacts No change	Rating	5	5
	Weight	26	
	Contribution	130	130
Maintainability Eliminates bridge inspection, adds culvert inspection	Rating	5	7
	Weight	10	
	Contribution	50	70
Construction Impacts No change	Rating	5	5
	Weight	7	
	Contribution	35	35
Environmental Impacts Greater impact to storage area in reservoir	Rating	5	4
	Weight	19	
	Contribution	95	76
Project Schedule No change	Rating	5	5
	Weight	14	
	Contribution	70	70
	Total Performance	500	525
	Net Change in Performance		5%

VE RECOMMENDATION NO. 10: DEFER TWO I-2 DIRECT CONNECTORS	IDEA NO. 17

Baseline Concept

The IBTC includes a proposed interchange with I-2. The baseline concept includes three I-2 direct connectors – 83SEBDC (eastbound I-2 to southbound IBTC), 83NEBDC (northbound IBTC to eastbound I-2), and 83NWBDC (northbound IBTC to westbound I-2). Each direct connector has lengthy bridges spanning the existing frontage roads and I-2 main lanes.

Recommendation Concept

The recommended concept would defer two of the direct connectors – 83SEBDC (eastbound I-2 to southbound IBTC) and 83NEBDC (northbound IBTC to eastbound I-2). 83NWBDC (northbound IBTC to westbound I-2) would be the same as in the baseline concept. The eastbound to southbound and northbound to eastbound movements would be served using at-grade connector roadways to/from IBTC and the eastbound I-2 frontage road.

Advantages	Disadvantages
• Reduces cost • Eliminates bridges EB to SB and NB to EB • Reduces earthwork required • Reduces impacts on I-2 traffic	• Some operational impacts because of the elimination of the I-2 ramps • May result in a lower design speed for the ramps • Would increase weaving on the frontage road • Would increase traffic volume on the frontage road and N. Val Verde Road signalized intersection

Cost Summary	Cost
Savings	**$5,233,700** (see discussion)

FHWA Function Benefit

Safety	*Operations*	*Environment*	*Construction*	*Other*
	✓	✓		✓

VE RECOMMENDATION NO. 10: DEFER TWO I-2 DIRECT CONNECTORS	IDEA NO. 17

Discussion/Sketches/Photos

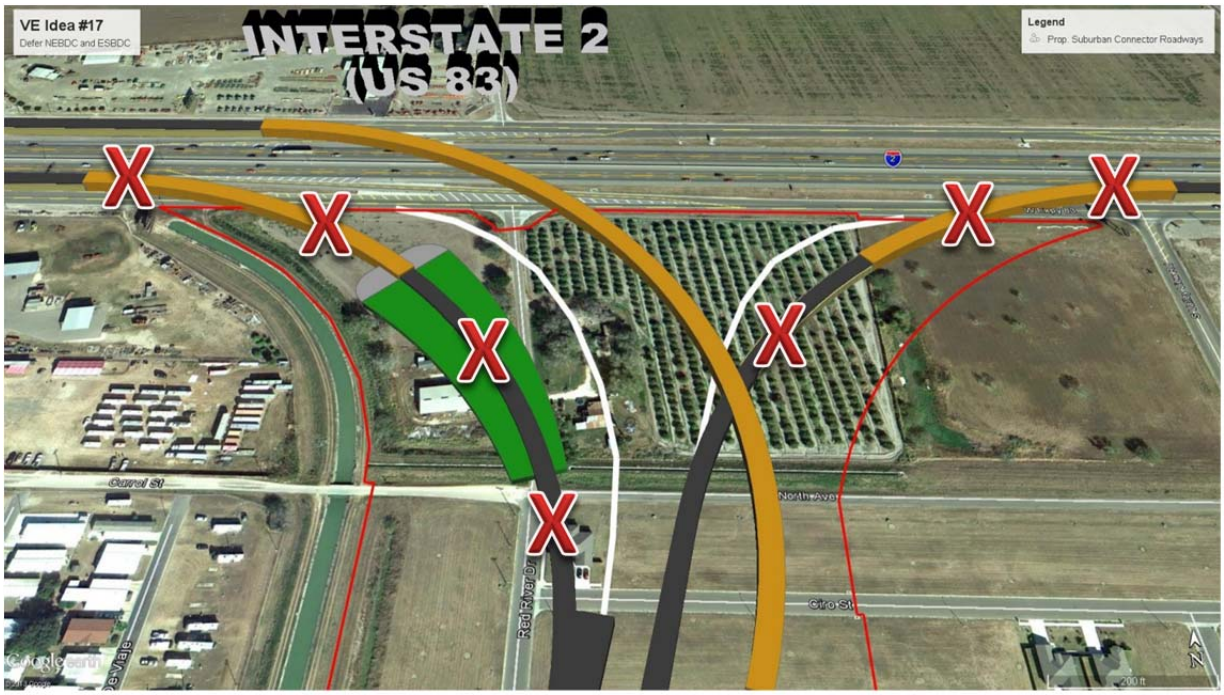
The IBTC includes a proposed interchange with I-2. The baseline concept includes three I-2 direct connectors – 83SEBDC (eastbound I-2 to southbound IBTC), 83NEBDC (northbound IBTC to eastbound I-2), and 83NWBDC (northbound IBTC to westbound I-2).

The recommended concept would defer constructing the two direct connectors with access to/from eastbound I-2 – 83SEBDC (eastbound I-2 to southbound IBTC), 83NEBDC (northbound IBTC to eastbound I-2). 83NWBDC (northbound IBTC to westbound I-2) would be constructed as a direct connector as in the baseline concept.

In the interim, the eastbound to southbound and northbound to eastbound movements would be served using at-grade roadways to/from IBTC and the I-2 eastbound frontage road. The eastbound I-2 to southbound IBTC traffic must then exit I-2 west of N. Val Verde Road, approximately 3,000 feet west of the proposed direct connector exit. Southbound IBTC traffic would impact eastbound frontage road operations as it would add to the frontage road weaving volume located between N. Tower Road and N. Val Verde Road and also go through the signalized frontage road intersection at N. Val Verde Road.

The northbound IBTC to eastbound I-2 traffic would elect to enter I-2 either at the slip ramp west of N. Hutto Road, approximately 750 feet east of the proposed direct connector entrance, or the slip ramp east of N. Hutto Road, approximately 3,000 feet of the proposed direct connector entrance, depending on traffic conditions. Northbound IBTC traffic would impact eastbound frontage road operations as it would add to the frontage road weaving volume located between N. Val Verde Road and N. Hutto Road and may also pass through the signalized frontage road intersection at N. Hutto Road.

The at-grade connector roadways between IBTC and the eastbound frontage road would consist of a 28-foot (4-foot shoulder, 14-foot lane, and 10-foot shoulder) typical suburban roadway section (no curb and gutters).



VE RECOMMENDATION NO. 10: DEFER TWO I-2 DIRECT CONNECTORS	IDEA NO. 17

Base Cost Estimate:

Summary

I. Earth Work & Landscape subtotal	$	366,000
II. Subgrade Treatments & Base subtotal	$	368,656
III. Surface Courses & Pavement subtotal	$	617,790
IV. Structures subtotal	$	8,646,090
V. Miscellaneous subtotal	$	-
VI. Lighting, Signing, PM, & Signals subtotal	$	-
VII. Right of Way	$	-
Total Estimate	$	11,598,302

Note: Total estimate includes 6% mobilization and 10% contingency

Earth Work & Landscape

Item No.	Description Code	Description	Quantity	Unit Price	Unit	Amount
132	2006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	91,500.00	4.00	CY	$ 366,000.00
					Subtotal	$ 366,000.00

Subgrade Treatments & Base

Item No.	Description Code	Description	Quantity	Unit Price	Unit	Amount
247	2225	FL BS (RDWY DEL)(TY E GR 4)(FNAL POS)	4,047.00	$ 15.00	CY	$ 60,705.00
260	****	LIME TRT (NEW BASE) (20")	7,285.00	$ 2.00	SY	$ 14,570.00
260	2011	LIME TRT (EXST MATL) (12")	7,919.00	$ 1.30	SY	$ 10,294.70
260	2043	LIME (HYD, COM OR QK)(SLURRY)	333.00	$ 140.00	TON	$ 46,620.00
247	2225	FL BS (RDWY DEL)(TY E GR 4)(FNAL POS)	4,310.00	$ 15.00	CY	$ 64,650.00
260	****	LIME TRT (NEW BASE) (20")	7,759.00	$ 2.00	SY	$ 15,518.00
260	2011	LIME TRT (EXST MATL) (12")	8,433.00	$ 1.30	SY	$ 10,962.90
260	2043	LIME (HYD, COM OR QK)(SLURRY)	354.00	$ 140.00	TON	$ 49,560.00
247	2225	FL BS (RDWY DEL)(TY E GR 4)(FNAL POS)	2,934.00	$ 15.00	CY	$ 44,010.00
260	****	LIME TRT (NEW BASE) (20")	5,281.00	$ 2.00	SY	$ 10,562.00
260	2011	LIME TRT (EXST MATL) (12")	5,741.00	$ 1.30	SY	$ 7,463.30
260	2043	LIME (HYD, COM OR QK)(SLURRY)	241.00	$ 140.00	TON	$ 33,740.00
		.				
					Subtotal	$ 368,655.90

VE RECOMMENDATION NO. 10: DEFER TWO I-2 DIRECT CONNECTORS	IDEA NO. 17

Surface Courses and Pavement

Item No.	Description Code	Description	Quantity	Unit Price	Unit	Amount
310	2001	PRIME COAT (MC-30)	1,378.00	4.50	GAL	$ 6,201.00
316	2706	ASPH (TIER II)	2,204.80	3.10	GAL	$ 6,834.88
316	2722	AGGR (GR 4P)	57.42	64.00	CY	$ 3,674.67
3268	2047	D-GR HMA TY-D SAC-A PG76-22	1137	75	TON	$ 85,275.00
3268	2073	D-GR HMA TY B SAC-A PG 76-22	1706	70	TON	$ 119,420.00
310	2001	PRIME COAT (MC-30)	1467	4.5	GAL	$ 6,601.50
316	2706	ASPH (TIER II)	2347.2	3.1	GAL	$ 7,276.32
316	2722	AGGR (GR 4P)	61.125	64	CY	$ 3,912.00
3268	2047	D-GR HMA TY-D SAC-A PG76-22	1211	75	TON	$ 90,825.00
3268	2073	D-GR HMA TY B SAC-A PG 76-22	1817	70	TON	$ 127,190.00
310	2001	PRIME COAT (MC-30)	999	4.5	GAL	$ 4,495.50
316	2706	ASPH (TIER II)	1598.4	3.1	GAL	$ 4,955.04
316	2722	AGGR (GR 4P)	41.625	64	CY	$ 2,664.00
3268	2047	D-GR HMA TY-D SAC-A PG76-22	825	75	TON	$ 61,875.00
3268	2073	D-GR HMA TY B SAC-A PG 76-22	1237	70	TON	$ 86,590.00
		.				
					Subtotal	$ 617,789.91

Structures

Item No.	Description Code	Description	Quantity	Unit Price	Unit	Amount
		BRIDGE ES	20,209.00	55.00		$ 1,111,495.00
		BRIDGE NE	18,714.00	55.00		$ 1,029,270.00
		BRIDGE NW	48,887.00	55.00		$ 2,688,785.00
423	2001	RETAINING WALL (MSE)	30,450.00	30.00		$ 913,500.00
423	2001	RETAINING WALL (MSE)	40,665.00	30.00	SF	$ 1,219,950.00
423	2001	RETAINING WALL (MSE)	42,720.00	30.00	SF	$ 1,281,600.00
450	2013	RAIL (TY SSTR)	3,382.00	30.00	LF	$ 101,460.00
450	2013	RAIL (TY SSTR)	3,905.00	30.00	LF	$ 117,150.00
450	2013	RAIL (TY SSTR)	6,096.00	30.00	LF	$ 182,880.00
					Subtotal	$ 8,646,090.00

Recommendation Cost Estimate:

Summary

I. Earth Work & Landscape subtotal	$	208,625
II. Subgrade Treatments & Base subtotal	$	342,954
III. Surface Courses & Pavement subtotal	$	574,882
IV. Structures subtotal	$	4,360,265
V. Miscellaneous subtotal	$	-
VI. Lighting, Signing, PM, & Signals subtotal	$	-
VII. Right of Way	$	-
Total Estimate	$	6,364,602

NOTE: Total estimate includes 6% mobilization and 10% contingency.

Earth Work & Landscape

Item No.	Description Code	Description	Quantity	Unit Price	Unit	Amount
110	2001	EXCAVATION (ROADWAY)	17,325.00	5.00	CY	$ 86,625.00
132	2006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	30,500.00	4.00	CY	$ 122,000.00
					Subtotal	$ 208,625.00

VE RECOMMENDATION NO. 10: DEFER TWO I-2 DIRECT CONNECTORS	IDEA NO. 17

Subgrade Treatments & Base

Item No.	Description Code	Description	Quantity	Unit Price	Unit	Amount
247	2225	FL BS (RDWY DEL)(TY E GR 4)(FNAL POS)	2,934.00	$ 15.00	CY	$ 44,010.00
260	****	LIME TRT (NEW BASE) (20")	5,281.00	$ 2.00	SY	$ 10,562.00
260	2011	LIME TRT (EXST MATL) (12")	5,741.00	$ 1.30	SY	$ 7,463.30
260	2043	LIME (HYD, COM OR QK)(SLURRY)	241.00	$ 140.00	TON	$ 33,740.00
247	2225	FL BS (RDWY DEL)(TY E GR 4)(FNAL POS)	7,572.00	$ 15.00	CY	$ 113,580.00
260	****	LIME TRT (NEW BASE) (20")	13,630.00	$ 2.00	SY	$ 27,260.00
260	2011	LIME TRT (EXST MATL) (12")	14,814.00	$ 1.30	SY	$ 19,258.20
260	2043	LIME (HYD, COM OR QK)(SLURRY)	622.00	$ 140.00	TON	$ 87,080.00
					Subtotal	$ 342,953.50

Surface Courses and Pavement

Item No.	Description Code	Description	Quantity	Unit Price	Unit	Amount
310	2001	PRIME COAT (MC-30)	2,578.00	4.50	GAL	$ 11,601.00
316	2706	ASPH (TIER II)	4,124.80	3.10	GAL	$ 12,786.88
316	2722	AGGR (GR 4P)	107.42	64.00	CY	$ 6,874.67
3268	2047	D-GR HMA TY-D SAC-A PG76-22	2,128.00	75.00	TON	$ 159,600.00
3268	2073	D-GR HMA TY B SAC-A PG 76-22	3,192.00	70.00	TON	$ 223,440.00
310	2001	PRIME COAT (MC-30)	999	4.5	GAL	$ 4,495.50
316	2706	ASPH (TIER II)	1598.4	3.1	GAL	$ 4,955.04
316	2722	AGGR (GR 4P)	41.625	64	CY	$ 2,664.00
3268	2047	D-GR HMA TY-D SAC-A PG76-22	825	75	TON	$ 61,875.00
3268	2073	D-GR HMA TY B SAC-A PG 76-22	1237	70	TON	$ 86,590.00
		.				
					Subtotal	$ 574,882.09

Structures

Item No.	Description Code	Description	Quantity	Unit Price	Unit	Amount
		BRIDGE NW	48,887.00	55.00		$ 2,688,785.00
423	2001	RETAINING WALL (MSE)	49,620.00	30.00	SF	$ 1,488,600.00
450	2013	RAIL (TY SSTR)	6,096.00	30.00	LF	$ 182,880.00
					Subtotal	$ 4,360,265.00

VE RECOMMENDATION NO. 10: DEFER TWO I-2 DIRECT CONNECTORS	IDEA NO. 17

PERFORMANCE MEASURES Attributes and Rating Rationale for Proposal	Performance	Original	Alternative
Operational Impacts Minor impact to EB frontage road	Rating	5	4.5
	Weight	24	
	Contribution	120	108
Revenue Impacts No change	Rating	5	5
	Weight	26	
	Contribution	130	130
Maintainability Reduced retaining wall and bridge maintenance	Rating	5	7
	Weight	10	
	Contribution	50	70
Construction Impacts Significently reduces EB mainline and frontage road traffic impacts (MOT)	Rating	5	7
	Weight	7	
	Contribution	35	49
Environmental Impacts No change	Rating	5	5
	Weight	19	
	Contribution	95	95
Project Schedule Reduces construction stages at I-2	Rating	5	5.5
	Weight	14	
	Contribution	70	77
	Total Performance	500	529
	Net Change in Performance		6%

VE RECOMMENDATION NO. 11: DEFER ALL I-2 DIRECT CONNECTORS	IDEA NO. 18

Baseline Concept

The IBTC includes a proposed interchange with I-2. The baseline concept includes three I-2 direct connectors – 83SEBDC (eastbound I-2 to southbound IBTC), 83NEBDC (northbound IBTC to eastbound I-2), and 83NWBDC (northbound IBTC to westbound I-2). Each direct connector has lengthy bridges spanning the existing frontage roads and I-2 main lanes.

Recommendation Concept

The recommended concept would defer all of the direct connectors – 83SEBDC (eastbound I-2 to southbound IBTC) and 83NEBDC (northbound IBTC to eastbound I-2). 83NWBDC (northbound IBTC to westbound I-2) would be the same as in the baseline concept. The eastbound to southbound and northbound to eastbound movements would be served using at-grade connector roadways to/from IBTC and the eastbound I-2 frontage road.

Advantages	Disadvantages
• Reduces cost • Eliminates EB to SB, NB to EB, and NB to WB bridges • Reduces earthwork required • Eliminates impacts on I-2 traffic	• Some operational impacts because of the elimination of the I-2 ramps • May result in a lower design speed for the ramps • Would increase weaving on the frontage road • Would increase traffic volume on the frontage roads beyond Idea 17

Cost Summary	Cost
Savings	**$10,730,499**

FHWA Function Benefit

Safety	*Operations*	*Environment*	*Construction*	*Other*
	✓	✓		✓

VE RECOMMENDATION NO. 11: DEFER ALL I-2 DIRECT CONNECTORS	IDEA NO. 18

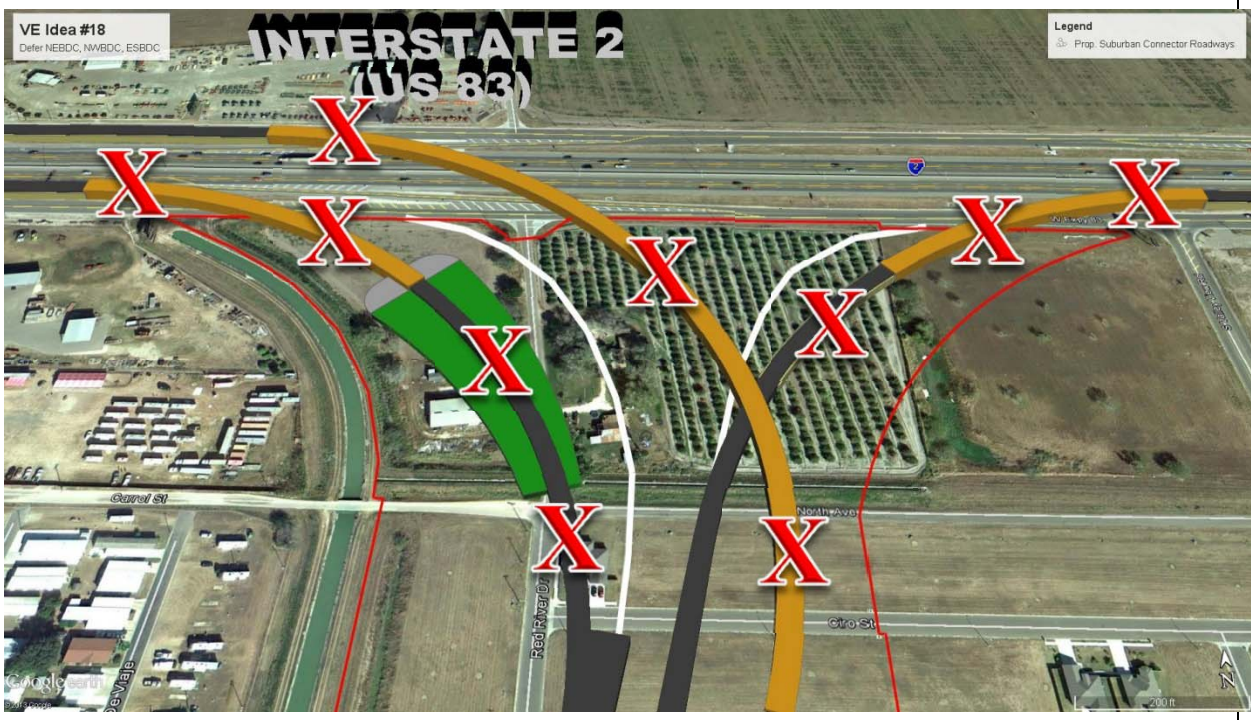
Discussion/Sketches/Photos

The IBTC includes a proposed interchange with I-2. The baseline concept includes three I-2 direct connectors – 83SEBDC (eastbound I-2 to southbound IBTC), 83NEBDC (northbound IBTC to eastbound I-2), and 83NWBDC (northbound IBTC to westbound I-2).

The recommended concept would defer constructing all three of direct connectors.

In the interim, these traffic movements would be served using at-grade roadways to/from IBTC and the eastbound frontage road. The eastbound I-2 to southbound IBTC traffic must then exit I-2 west of N. Val Verde Road, approximately 3,000 feet west of the proposed direct connector exit. Southbound IBTC traffic would impact eastbound frontage road operations as it would add to the frontage road weaving volume located between N. Tower Road and N. Val Verde Road and also pass through the signalized frontage road intersection at N. Val Verde Road.

The northbound IBTC to eastbound I-2 traffic would elect to enter I-2 either at the slip ramp west of N. Hutto Road, approximately 750 feet east of the proposed direct connector entrance, or the slip ramp east of N. Hutto Road, approximately 3,000 feet of the proposed direct connector entrance, depending on traffic conditions. Northbound IBTC traffic would impact eastbound frontage road operations as it would add to the frontage road weaving volume located between N. Val Verde Road and N. Hutto Road and may also pass through the signalized frontage road intersection at N. Hutto Road.



The northbound IBTC to westbound I-2 traffic to enter I-2 at the slip ramp west of N. Hutto Road, approximately 2,000 feet west of N. Hutto Road. Northbound IBTC traffic would impact eastbound and westbound frontage road operations as it would add to the frontage road weaving volumes located between N. Val Verde Road and N. Hutto Road.

The at-grade connector roadways between IBTC and the eastbound frontage road would consist of a 28-foot (4-foot shoulder, 14-foot lane, and 10 foot shoulder) typical suburban roadway section (no curb and gutters).

VE RECOMMENDATION NO. 11: DEFER ALL I-2 DIRECT CONNECTORS	IDEA NO. 18

Base Cost Estimate:

Summary

I. Earth Work & Landscape subtotal	$	366,000
II. Subgrade Treatments & Base subtotal	$	368,656
III. Surface Courses & Pavement subtotal	$	617,790
IV. Structures subtotal	$	8,646,090
V. Miscellaneous subtotal	$	-
VI. Lighting, Signing, PM, & Signals subtotal	$	-
VII. Right of Way	$	-
Total Estimate	$	11,598,302

Note: Total estimate includes 6% mobilization and 10% contingency

Earth Work & Landscape

Item No.	Description Code	Description	Quantity	Unit Price	Unit	Amount
132	2006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	91,500.00	4.00	CY	$ 366,000.00
					Subtotal	$ 366,000.00

Subgrade Treatments & Base

Item No.	Description Code	Description	Quantity	Unit Price	Unit	Amount
247	2225	FL BS (RDWY DEL)(TY E GR 4)(FNAL POS)	4,047.00	$ 15.00	CY	$ 60,705.00
260	****	LIME TRT (NEW BASE) (20")	7,285.00	$ 2.00	SY	$ 14,570.00
260	2011	LIME TRT (EXST MATL) (12")	7,919.00	$ 1.30	SY	$ 10,294.70
260	2043	LIME (HYD, COM OR QK)(SLURRY)	333.00	$ 140.00	TON	$ 46,620.00
247	2225	FL BS (RDWY DEL)(TY E GR 4)(FNAL POS)	4,310.00	$ 15.00	CY	$ 64,650.00
260	****	LIME TRT (NEW BASE) (20")	7,759.00	$ 2.00	SY	$ 15,518.00
260	2011	LIME TRT (EXST MATL) (12")	8,433.00	$ 1.30	SY	$ 10,962.90
260	2043	LIME (HYD, COM OR QK)(SLURRY)	354.00	$ 140.00	TON	$ 49,560.00
247	2225	FL BS (RDWY DEL)(TY E GR 4)(FNAL POS)	2,934.00	$ 15.00	CY	$ 44,010.00
260	****	LIME TRT (NEW BASE) (20")	5,281.00	$ 2.00	SY	$ 10,562.00
260	2011	LIME TRT (EXST MATL) (12")	5,741.00	$ 1.30	SY	$ 7,463.30
260	2043	LIME (HYD, COM OR QK)(SLURRY)	241.00	$ 140.00	TON	$ 33,740.00
		.				
					Subtotal	$ 368,655.90

Surface Courses and Pavement

Item No.	Description Code	Description	Quantity	Unit Price	Unit	Amount
310	2001	PRIME COAT (MC-30)	1,378.00	4.50	GAL	$ 6,201.00
316	2706	ASPH (TIER II)	2,204.80	3.10	GAL	$ 6,834.88
316	2722	AGGR (GR 4P)	57.42	64.00	CY	$ 3,674.67
3268	2047	D-GR HMA TY-D SAC-A PG76-22	1137	75	TON	$ 85,275.00
3268	2073	D-GR HMA TY B SAC-A PG 76-22	1706	70	TON	$ 119,420.00
310	2001	PRIME COAT (MC-30)	1467	4.5	GAL	$ 6,601.50
316	2706	ASPH (TIER II)	2347.2	3.1	GAL	$ 7,276.32
316	2722	AGGR (GR 4P)	61.125	64	CY	$ 3,912.00
3268	2047	D-GR HMA TY-D SAC-A PG76-22	1211	75	TON	$ 90,825.00
3268	2073	D-GR HMA TY B SAC-A PG 76-22	1817	70	TON	$ 127,190.00
310	2001	PRIME COAT (MC-30)	999	4.5	GAL	$ 4,495.50
316	2706	ASPH (TIER II)	1598.4	3.1	GAL	$ 4,955.04
316	2722	AGGR (GR 4P)	41.625	64	CY	$ 2,664.00
3268	2047	D-GR HMA TY-D SAC-A PG76-22	825	75	TON	$ 61,875.00
3268	2073	D-GR HMA TY B SAC-A PG 76-22	1237	70	TON	$ 86,590.00
		.				
					Subtotal	$ 617,789.91

VE RECOMMENDATION NO. 11: DEFER ALL I-2 DIRECT CONNECTORS	IDEA NO. 18

Structures

Item No.	Description Code	Description	Quantity	Unit Price	Unit	Amount
		BRIDGE ES	20,209.00	55.00		$ 1,111,495.00
		BRIDGE NE	18,714.00	55.00		$ 1,029,270.00
		BRIDGE NW	48,887.00	55.00		$ 2,688,785.00
423	2001	RETAINING WALL (MSE)	30,450.00	30.00		$ 913,500.00
423	2001	RETAINING WALL (MSE)	40,665.00	30.00	SF	$ 1,219,950.00
423	2001	RETAINING WALL (MSE)	42,720.00	30.00	SF	$ 1,281,600.00
450	2013	RAIL (TY SSTR)	3,382.00	30.00	LF	$ 101,460.00
450	2013	RAIL (TY SSTR)	3,905.00	30.00	LF	$ 117,150.00
450	2013	RAIL (TY SSTR)	6,096.00	30.00	LF	$ 182,880.00
					Subtotal	$ 8,646,090.00

Recommendation Estimate:

Summary

I. Earth Work & Landscape subtotal	$	86,625
II. Subgrade Treatments & Base subtotal	$	247,178
III. Surface Courses & Pavement subtotal	$	414,303
IV. Structures subtotal	$	-
V. Miscellaneous subtotal	$	-
VI. Lighting, Signing, PM, & Signals subtotal	$	-
VII. Right of Way	$	-
Total Estimate	$	867,803

Earth Work & Landscape

Item No.	Description Code	Description	Quantity	Unit Price	Unit	Amount
110	2001	EXCAVATION (ROADWAY)	17,325.00	5.00	CY	$ 86,625.00
		.				
					Subtotal	$ 86,625.00

Subgrade Treatments & Base

Item No.	Description Code	Description	Quantity	Unit Price	Unit	Amount
247	2225	FL BS (RDWY DEL)(TY E GR 4)(FNAL POS)	7,572.00	$ 15.00	CY	$ 113,580.00
260	****	LIME TRT (NEW BASE) (20")	13,630.00	$ 2.00	SY	$ 27,260.00
260	2011	LIME TRT (EXST MATL) (12")	14,814.00	$ 1.30	SY	$ 19,258.20
260	2043	LIME (HYD, COM OR QK)(SLURRY)	622.00	$ 140.00	TON	$ 87,080.00
					Subtotal	$ 247,178.20

Surface Courses and Pavement

Item No.	Description Code	Description	Quantity	Unit Price	Unit	Amount
310	2001	PRIME COAT (MC-30)	2,578.00	4.50	GAL	$ 11,601.00
316	2706	ASPH (TIER II)	4,124.80	3.10	GAL	$ 12,786.88
316	2722	AGGR (GR 4P)	107.42	64.00	CY	$ 6,874.67
3268	2047	D-GR HMA TY-D SAC-A PG76-22	2,128.00	75.00	TON	$ 159,600.00
3268	2073	D-GR HMA TY B SAC-A PG 76-22	3,192.00	70.00	TON	$ 223,440.00
		.				
					Subtotal	$ 414,302.55

VE RECOMMENDATION NO. 11: DEFER ALL I-2 DIRECT CONNECTORS			IDEA NO. 18
PERFORMANCE MEASURES Attributes and Rating Rationale for Proposal	*Performance*	*Original*	*Alternative*
Operational Impacts Slight impact to frontage road operations Minor out-of-direction travel	*Rating*	5	4
	Weight	24	
	Contribution	120	96
Revenue Impacts No change	*Rating*	5	5
	Weight	26	
	Contribution	130	130
Maintainability Reduced retaining wall and bridge maintenance	*Rating*	5	8
	Weight	10	
	Contribution	50	80
Construction Impacts Significently reduces frontage road MOT Eliminates impact to I-2	*Rating*	5	8
	Weight	7	
	Contribution	35	56
Environmental Impacts No change	*Rating*	5	5
	Weight	19	
	Contribution	95	95
Project Schedule Reduces construction stages at I-2	*Rating*	5	5.5
	Weight	14	
	Contribution	70	77
	Total Performance	500	534
	Net Change in Performance		7%

VE RECOMMENDATION NO. 12: THINNER SUPERSTRUCTURE OVER RAILROAD	IDEA NO. 19

Baseline Concept

Constant superstructure height for the whole bridge at STA 784+00.

Recommendation Concept

Use thinner superstructure over railroad span at STA 784+00 (reduce span in railroad right-of-way only).

Advantages	Disadvantages
• Reduces profile height and length • Reduces cost	• Will require changing the uniformity of beam and sizes • Aesthetics may be unacceptable to TxDOT

Cost Summary	Cost
Savings	**$397,101** (see discussion)

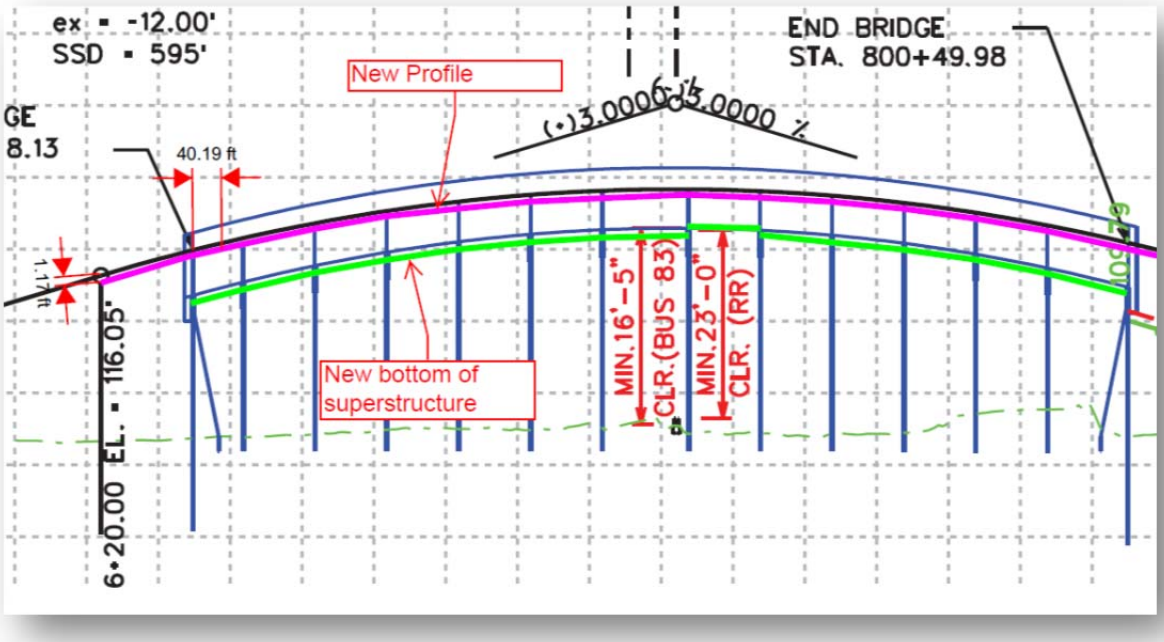
FHWA Function Benefit

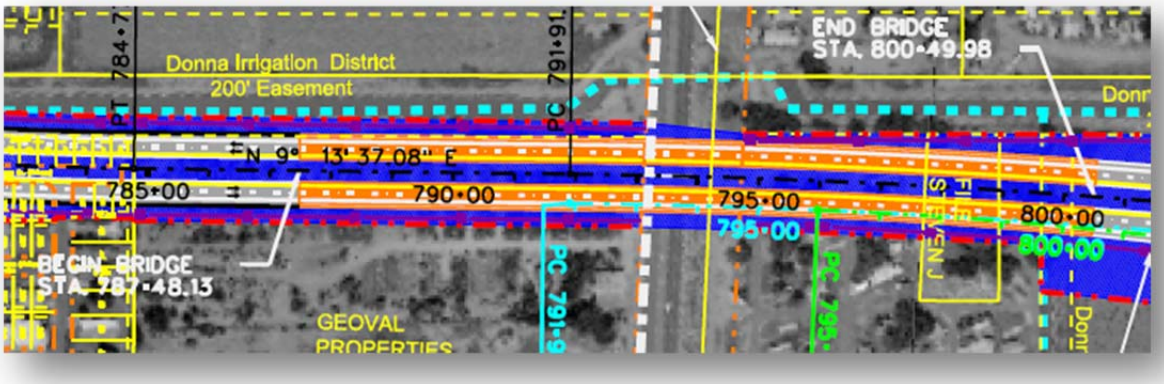
Safety	*Operations*	*Environment*	*Construction*	*Other*
	✓	✓		✓

VE RECOMMENDATION NO. 12: THINNER SUPERSTRUCTURE OVER RAILROAD	IDEA NO. 19

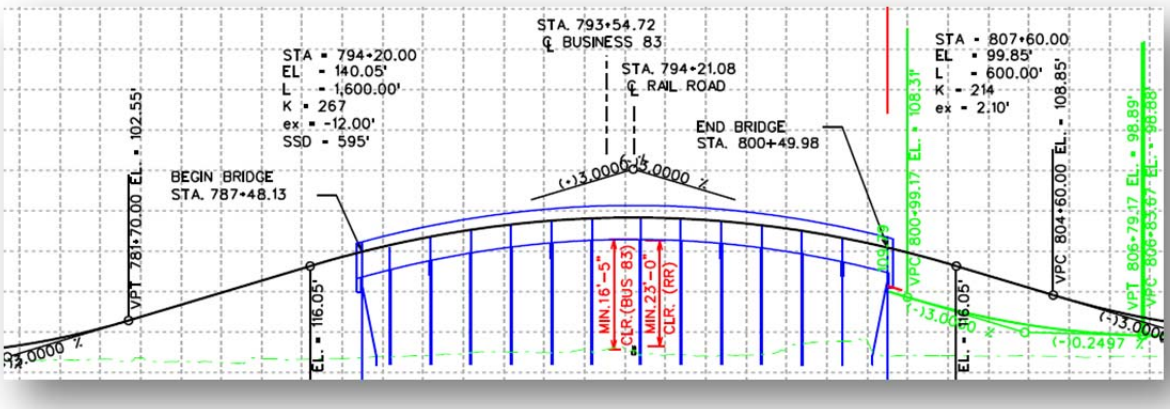
Discussion/Sketches/Photos

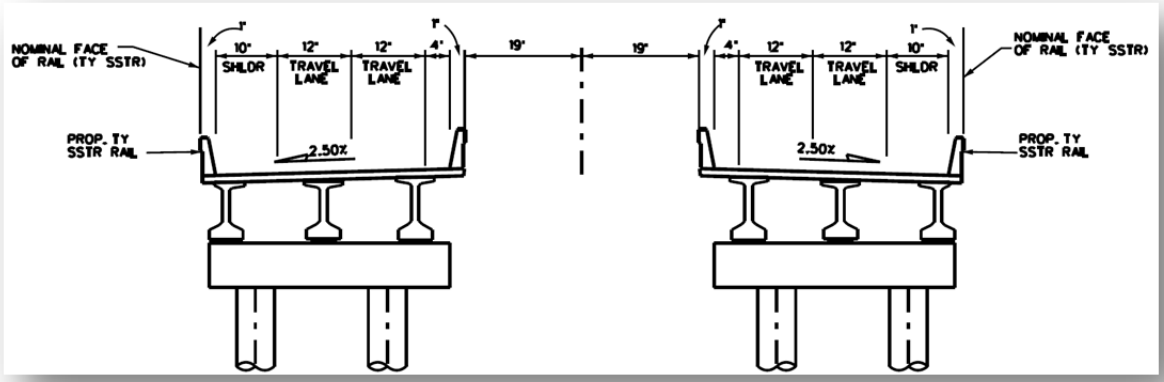
TxDOT prefers to have a constant superstructure height throughout the entire length of the bridge. For this type of structure, the customary girder is the TX 54 girder that is 54 inches deep. This idea proposes to use a shallower beam such as the TX 40, which is 40 inches deep. The difference is 14 inches in depth. The whole profile can be adjusted down by 14 inches as shown in the figure below. As a result, if the same height of embankment is maintained, the bridge would be shorter by about 40 feet at each end. This would be shortening the bridge by 80 feet but adding 80 feet of embankment. In addition, there would be 14 inches less height of embankment approaching the bridge on both sides.

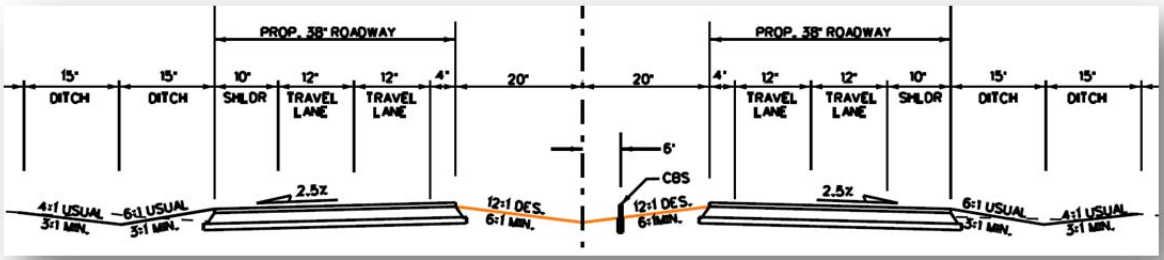




VE RECOMMENDATION NO. 12: THINNER SUPERSTRUCTURE OVER RAILROAD	IDEA NO. 19







VE RECOMMENDATION NO. 12: THINNER SUPERSTRUCTURE OVER RAILROAD	IDEA NO. 19

Idea No. 19 Bridge Reduction:

BRIDGE

Base Bridge Length =	1,300.00	LF
Base Bridge Width =	40	FT
Base Bridge Area **X 2 Bridges** =	104,000.00	SF
Base Bridge Cost (2 Bridges) =	$ 5,720,000.00	
Base Bridge Cost/SF =	$ 55.00	SF
Reduced Bridge Length Quantity (2 e	80.00	FT
Reduced Bridge Area (2 Bridges) =	6,400.00	
Reduced Bridge Area Cost Savings =	$ 352,000.00	

ROADWAY

New Roadway Length Required =	80	FT
Pavement Width =	38	FT

ADDITIONAL ROADWAY ITEMS

DESC CODE	ITEM DESCRIPTION	UNITS	QUANTITY	AGREED UNIT BID PRICE	Agreed Bid Price Unit Cost AMOUNT
132-2006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	305	$4.00	$1,220.74
247-2225	FL BS (RDWY DEL)(TY E GR 4)(FNAL POS)	CY	391	$15.00	$5,865.00
260-xxxx	LIME TRT (NEW BASE) (20")	SY	704	$2.00	$1,408.00
260-2011	LIME TRT (EXST MATL) (12")	SY	732	$1.30	$951.60
260-2016	LIME (HYD, COM, OR QK(SLURRY))	TON	33	$140.00	$4,620.00
340-2135	D-GR HMA(METH) TY-D SAC-A PG76-22	TON	117	$75.00	$8,775.00
340-2239	D-GR HMA(METH) TY-B SAC-B PG64-22	TON	175	$70.00	$12,250.00
				TOTAL	$35,090.34

REDUCE EMBANKMENT BY LOWERING PROFILE BY 1.17 FT

DESC CODE	ITEM DESCRIPTION	UNITS	QUANTITY	AGREED UNIT BID PRICE	Agreed Bid Price Unit Cost AMOUNT
132-2006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	5,914	$4.00	$23,656.92
				TOTAL	-$23,656.92

TOTAL IDEA NO 19 COST

Bridge Reduction =	$ (352,000.00)
Additional Roadway Items =	$11,433.42
Contingencies (10%)	-$34,056.66
Mobilization (6%)	-$22,477.39
Savings =	$ (397,100.63)

VE RECOMMENDATION NO. 12: THINNER SUPERSTRUCTURE OVER RAILROAD	IDEA NO. 19

PERFORMANCE MEASURES Attributes and Rating Rationale for Proposal	Performance	Original	Alternative
Operational Impacts No change	*Rating*	5	5
	Weight	24	
	Contribution	120	120
Revenue Impacts No change	*Rating*	5	5
	Weight	26	
	Contribution	130	130
Maintainability No change	*Rating*	5	5
	Weight	10	
	Contribution	50	50
Construction Impacts No change	*Rating*	5	5
	Weight	7	
	Contribution	35	35
Environmental Impacts No change	*Rating*	5	5
	Weight	19	
	Contribution	95	95
Project Schedule No change	*Rating*	5	5
	Weight	14	
	Contribution	70	70
	Total Performance	500	500
	Net Change in Performance		**0%**

VE RECOMMENDATION NO. 13: ELIMINATE DRAINAGE CHANNEL ALIGNMENT	IDEA NO. 21

Baseline Concept

Baseline design includes providing a new channel from Sta. 349+00 to Sta. 390+00 (4,100-feet long) with a 400-foot drainage structure to convey the water from an existing drainage channel being severed by the proposed facility.

Recommendation Concept

Eliminate the proposed drainage channel realignment from Sta. 349+00 to Sta. 390+00 and replace with a shorter channel from Sta. 323+00 to Sta. 334+00 (1,100-feet). Culvert crossing and size and length are assumed to be comparable.

Advantages	Disadvantages
• Will reduce right-of-way taking required. • Allows more development on the north side	• Will require analysis to ensure the existing ditch to the south can handle added flow.

Cost Summary	Cost
Savings	**$207,287** (see discussion)

FHWA Function Benefit

Safety	*Operations*	*Environment*	*Construction*	*Other*
	✓	✓		✓

VE RECOMMENDATION NO. 13: ELIMINATE DRAINAGE CHANNEL ALIGNMENT	IDEA NO. 21

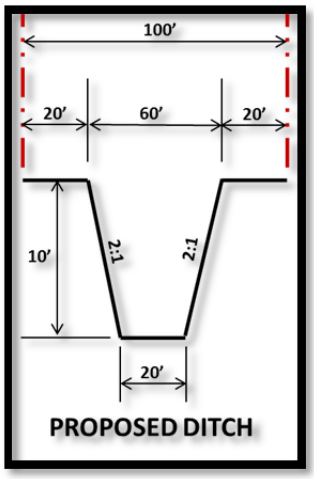
Discussion/Sketches/Photos

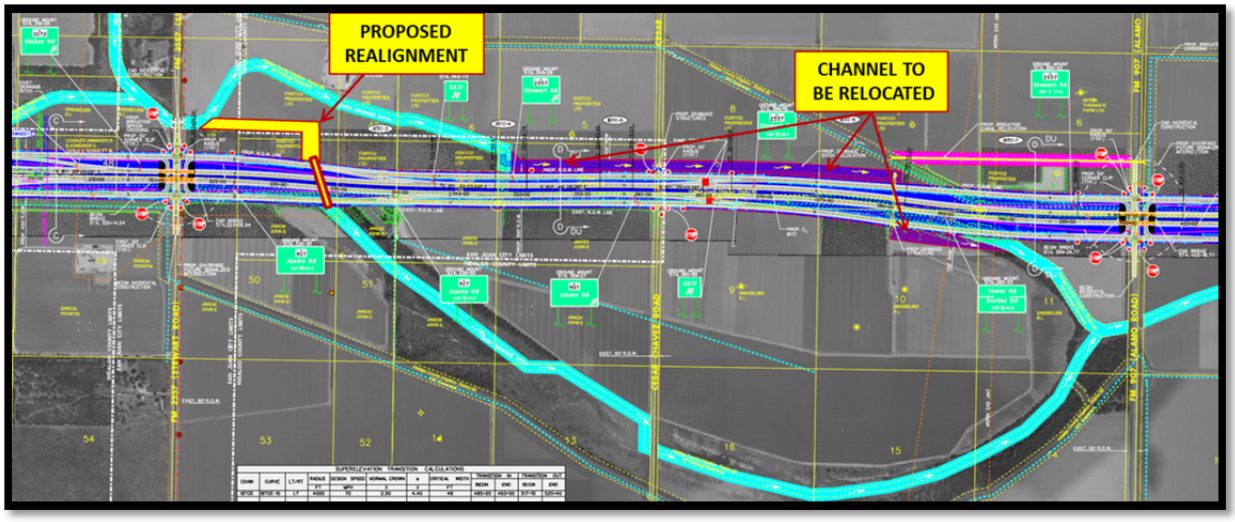
The base schematic shows a relocation of the existing drainage channel that is being covered up by the new facility within new proposed right-of-way and moving it adjacent to the north right-of-way line. The proposed channel is assumed (for comparison purposes) to have the dimensions indicated in the figure below.

The baseline channel is currently 4,100-feet long with a 400-foot drainage structure crossing the entire facility right-of-way at an approximate 80-degree skew. The existing channel currently connects to the main drainage channel approximately 5,000 feet east of the existing location.

The VE team proposes relocating the channel crossing around Sta. 334+00. This will shorten the length of the required channel to about 1,100 feet. This channel will start around Sta. 323+00 and will connect to another drainage channel around Sta. 334+00. This secondary channel appears to have similar capacity but will require hydraulic analysis to validate the flow capacity needed. This new channel connects to the main drainage channel approximately 10,000 feet east of the existing location.

It should be noted that the cost of the channel construction is not part the project construction cost but will be assigned to a separate contract with the Hidalgo County Drainage District #1 (HCDD#1); only the cross structure is included in the construction cost.





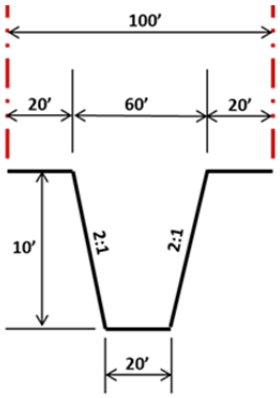
VE RECOMMENDATION NO. 13: ELIMINATE DRAINAGE CHANNEL ALIGNMENT	IDEA NO. 21

CALCULATIONS:

Base line channel = Sta. 349+00 to Sta. 390+00 = 4,100-ft long
VE recommendation = Sta. 323+00 to Sta. 334+00 = 1,100-ft long
Assume structure needed is the same.

Length shorten = 4,100'-1,100' = 3,000-ft
Width = 60'+20'/ 2 = 40-ft
Depth = 10-ft
Excavation Savings = (3,000'x 40' x 10') / 27cf/cy = 44,444 cy

Cost savings = 44,444cy x **$4.00** = **$177,776**
Contingency = **$177,776** x 0.10 = **$17,778**
Mobilization = **$195,554** x 0.06 = **$11,733**



PROPOSED DITCH

COST SAVINGS = $ 207,287

VE RECOMMENDATION NO. 13: ELIMINATE DRAINAGE CHANNEL ALIGNMENT	IDEA NO. 21

PERFORMANCE MEASURES Attributes and Rating Rationale for Proposal	*Performance*	*Original*	*Alternative*
Operational Impacts No change	*Rating*	5	5
	Weight	24	
	Contribution	120	120
Revenue Impacts No change	*Rating*	5	5
	Weight	26	
	Contribution	130	130
Maintainability No change	*Rating*	5	5
	Weight	10	
	Contribution	50	50
Construction Impacts No change	*Rating*	5	5
	Weight	7	
	Contribution	35	35
Environmental Impacts 3,000' x 100' area impacting less existing land	*Rating*	5	7
	Weight	19	
	Contribution	95	133
Project Schedule No change	*Rating*	5	5
	Weight	14	
	Contribution	70	70
Total Performance		500	538
Net Change in Performance			8%

VE RECOMMENDATION NO. 14: REPLACE CULVERT WITH OPEN CHANNEL	IDEA NO. 23

Baseline Concept

Proposed 10' x 6' x 1,604 LF of cast-in-place concrete siphon of which approximately 1,000 LF parallels the east side of the toll road and 500 LF of which crosses the toll road.

Recommendation Concept

Replace culvert with open channel at STA 765+00 to STA 775+00.

Advantages	Disadvantages
• Reduces cost • Improves hydraulics	• Requires more right-of-way

Cost Summary	Cost
Savings	$675,416 (see discussion)

FHWA Function Benefit

Safety	*Operations*	*Environment*	*Construction*	*Other*
	✓	✓		✓

VE RECOMMENDATION NO. 14: REPLACE CULVERT WITH OPEN CHANNEL	IDEA NO. 23

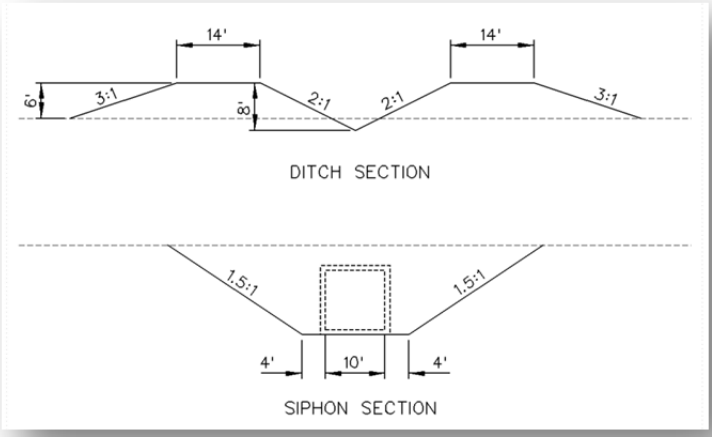
Discussion/Sketches/Photos

The baseline concept contains a proposed 10' x 6' x 1,604 LF cast-in-place concrete siphon of which approximately 1,000 LF parallels the west side of the toll road and 500 LF crosses beneath the toll road.

The VE team recommends that the 1,000 lf of the concrete siphon paralleling the west side of the toll road be changed to an open channel.

The Donna irrigation ditches service both the irrigation needs of landowners within the irrigation district and several municipalities to the north. For this reason, it will not be possible to close the ditch for the period required for the construction of the siphon or the open channel. Therefore it will be necessary to construct a temporary bypass channel to construct the open channel or the siphon.

It is assumed that the irrigation ditch will be a V-ditch with maintenance berms on each side of the ditch. The top width of the berms is assumed to be 14 feet wide. The depth of the ditch measured from the top of the berm to the bottom of the channel is assumed to be 8 feet. The side slopes of the channel are assumed to be sloped at 2:1 (H:V) and the side slopes of the berms are assumed to be 3:1 (H:V). The height of the berms on the landside of the berm is assumed to be 4 feet. Using these assumptions the ditch will be 32 feet wide at the top. The maintenance roads at the bottom of the berms are assumed to be 8 feet wide. The irrigation district's right-of-way width is 100 feet.



VE RECOMMENDATION NO. 14: REPLACE CULVERT WITH OPEN CHANNEL	IDEA NO. 23

Construction of the irrigation ditch consists of excavating a 2-foot V-ditch and constructing the two berms that form the sides of the canal. In the cost analysis it is assumed that the embankment for construction of the canal utilize borrow material because the embankment of the existing canal is utilized in the earthwork for the roadway.

Construction of the cast-in-place siphon consists of excavating an 18 foot by 6 foot ditch with 1.5:1 (H:V); construction of the cast-in-place siphon which consists of forming, pouring, and form removal; and backfilling the siphon.

Both concepts will require the construction of temporary by-pass channels at the connections to the existing canal.

Based on the previous discussion, it can be assumed that the cost of the by-pass channels at the connections to the existing canal will be approximately the same for both the open channel and the siphon. It is also clear that the time required for the construction at the open ditch will be less than the time required to construct the siphon, when the following is considered:

1. Construction of the open channel ditch consists of placing and compacting the embankment and some very minimal excavation.
2. Construction of the siphon requires excavation for the siphon, installation of the siphon, and backfilling the siphon.

RECOMMENDATION

Cost for the open channel canal is 55.56% cheaper than the cost of the siphon and takes less time to construct; therefore, it is recommended to construct the open channel in lieu of the siphon.

Original Concept: 1,604 lf of 10' x 6' cast-in-place concrete siphon at $650 / lf siphon in place		$ 1,042,600
Recommendation Concept: 1,000 lf of open channel irrigation canal		$70,741
Savings: 604 lf of 10' x 6' by at $650 / lf Siphon in place		$392,600
Recommendation Concept Total Cost		$463,341
Difference ($1,042,600 - $463, 341)		$579,259
Contingency =	$579,259 x 0.10 =	$57,925
Mobilization =	$637,185 x 0.06 =	$38,231
TOTAL SAVINGS		**$ 675,416**

VE RECOMMENDATION NO. 14: REPLACE CULVERT WITH OPEN CHANNEL	IDEA NO. 23

Cost Breakdown:

Canal Embankment Calcs

174.00	sq ft / ft per berm
2.00	berms
348.00	total sq ft
1,000.00	lf of canal
348,000.00	total cu ft of borrow
8,000.00	less total cu ft of excav mat'l
340,000.00	net cu ft of borrow req'd
12,592.59	total cu yds of borrow
$5.50	cost / cu yd
$69,259.26	total emb cost

Canal Excavation Calcs

8.00	sq ft / lf of canal
1,000.00	lf of canal
8,000.00	total cu ft
296.30	total cu yds of excav
$5.00	cost / cu yd
$1,481.48	total excav cost

$70,740.74	total earthwork cost

Calc's for Siphon

604.00	lf of siphon
$650.00	cost / lf of siphon
$392,600.00	total siphon cost

Total cost of alternate to base concept

$463,340.74	Total cost of alternate

Siphon Cost

1,604.00	lf of siphon
$650.00	cost / lf
$1,042,600.00	total cost

$463,340.74	Total cost of alternate
$579,259.26	Cost Difference
55.56%	Percent Difference

VE RECOMMENDATION NO. 14: REPLACE CULVERT WITH OPEN CHANNEL	IDEA NO. 23

PERFORMANCE MEASURES Attributes and Rating Rationale for Proposal	Performance	Original	Alternative
Operational Impacts No change	*Rating*	5	5
	Weight	24	
	Contribution	120	120
Revenue Impacts No change	*Rating*	5	5
	Weight	26	
	Contribution	130	130
Maintainability No change	*Rating*	5	5
	Weight	10	
	Contribution	50	50
Construction Impacts No change	*Rating*	5	5
	Weight	7	
	Contribution	35	35
Environmental Impacts No change	*Rating*	5	5
	Weight	19	
	Contribution	95	95
Project Schedule No change	*Rating*	5	5
	Weight	14	
	Contribution	70	70
	Total Performance	500	500
	Net Change in Performance		**0%**

VE RECOMMENDATION NO. 15: SHORTEN CULVERT FROM CANAL	IDEA NO. 24

Baseline Concept

Construct a proposed 10' x 6' x 1,604' cast-in-place concrete siphon with a 65º bend. Approximate length of box at a skew or crossing connecting to the canal is 503 feet.

Recommendation Concept

Shorten the culvert from canal at STA 780+00 (reduce the skew to 45 degrees across IBTC).

Advantages	Disadvantages
• Shorter culvert • Reduced cost • Less long-term maintenance	• May be minimal hydraulic interference

Cost Summary	Cost
Savings	$109,896 (see discussion)

FHWA Function Benefit

Safety	*Operations*	*Environment*	*Construction*	*Other*
	✓	✓		✓

VE RECOMMENDATION NO. 15: SHORTEN CULVERT FROM CANAL	IDEA NO. 24

Discussion/Sketches/Photos

The proposed concrete box siphon has a bend of approximately 65 degrees, with a length of 503 feet at a skew from the bend to the irrigation canal. By reducing the angle of the bend to 45 degrees, the total length of the box would be reduced from 1,604 feet to 1,459 feet–a reduction of 145 feet.

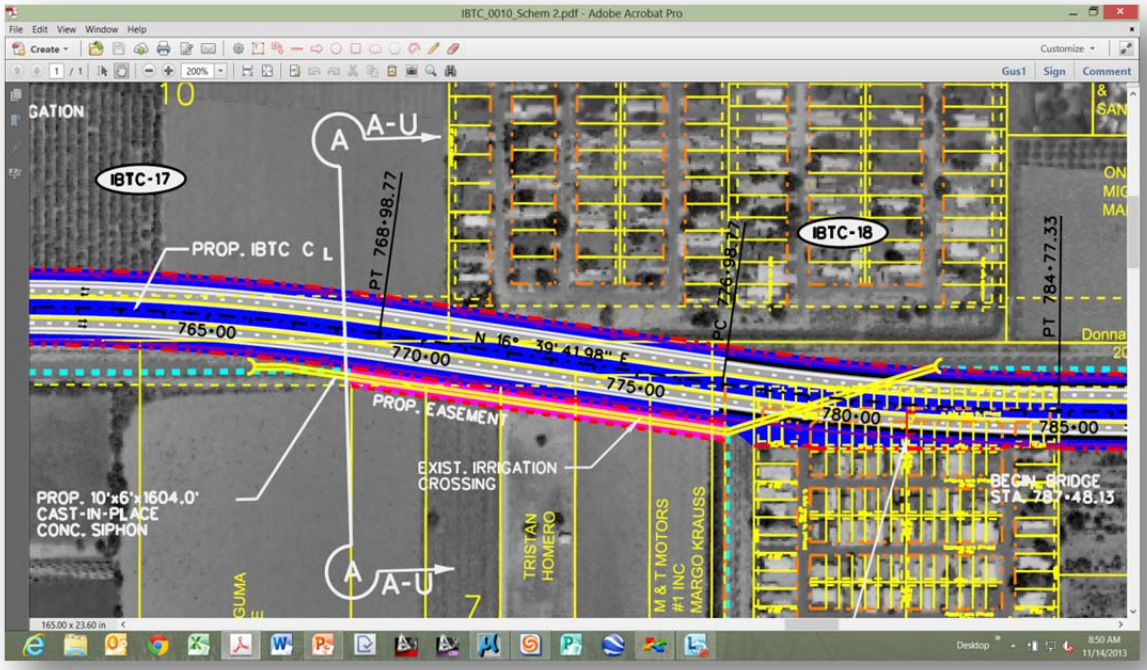


Figure 1 Original Cast-in-Place Concrete Siphon with 65 Degree Bend

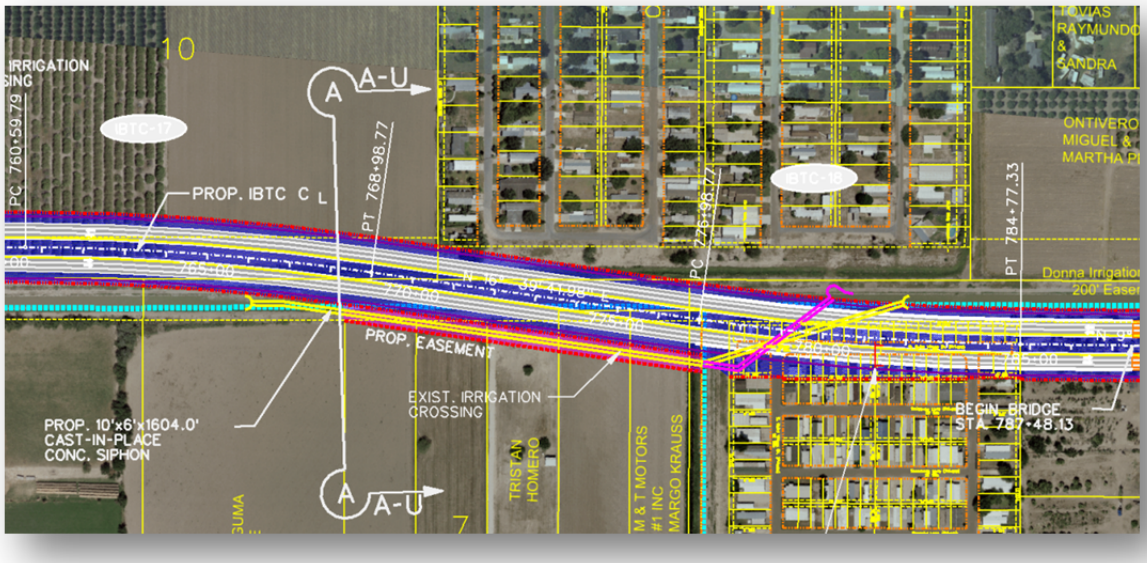


Figure 2: Recommended Cast-in-Place Concrete Siphon with 45 Degree Bend

VE RECOMMENDATION NO. 15: SHORTEN CULVERT FROM CANAL	IDEA NO. 24

Cost Estimate

Unit cost is based on the original concept fee estimate.

Original Concept (Current Baseline Concept)

Total Box Length = 1604 feet

Cost = $650.00 / LF

Total cost = 1604' x $650.00= $1,042,600

10% contingency = $1,042,600 * 0.1 = $104,260

6% mobilization = ($1,042,600+$104,260) * .06 = $68,812

Total cost =$1,042,600+ $104,260+$68,812= $1,215,672

Recommended Concept

Total Box Length = 1459 feet

Cost = $650.00 / LF

Total cost = 1459' x $650.00= $948,350

10% contingency = $948,350 * 0.1 = $94,835

6% mobilization = ($948,350+$94,835) * .06 = $62,591

Total cost =$948,350+ $94,835+$62,591= $1,105,776

Difference = $1,215,672 – $1,105,776 = $109,896

VE RECOMMENDATION NO. 15: SHORTEN CULVERT FROM CANAL	IDEA NO. 24

PERFORMANCE MEASURES Attributes and Rating Rationale for Proposal	*Performance*	*Original*	*Alternative*
Operational Impacts No change	*Rating*	5	5
	Weight	24	
	Contribution	120	120
Revenue Impacts No change	*Rating*	5	5
	Weight	26	
	Contribution	130	130
Maintainability No change	*Rating*	5	5
	Weight	10	
	Contribution	50	50
Construction Impacts No change	*Rating*	5	5
	Weight	7	
	Contribution	35	35
Environmental Impacts No change	*Rating*	5	5
	Weight	19	
	Contribution	95	95
Project Schedule No change	*Rating*	5	5
	Weight	14	
	Contribution	70	70
	Total Performance	500	500
	Net Change in Performance		**0%**

VE RECOMMENDATION NO. 16: BUILD FROM THE MIDDLE	IDEA NO. 27

Baseline Concept

Each direction carries a 4-foot inside shoulder, a 12-foot inside lane, a 12-foot outside lane, and a 10-foot outside shoulder. The two directions are separated by a 40 foot grass median.

Recommendation Concept

Eliminate the grass median and separate the two directions with a concrete traffic barrier.

Advantages	Disadvantages
• Improves future constructibility • Increases short-term water retention/detention area • Could use slopes rather than walls • Requires less embankment • Reduces cost • No median maintenance • Eliminates median drainage	• Would have some throw-away ramp pavement • Concrete traffic barrier vs. cable barrier • Perception about right-of-way width • Would require redesign

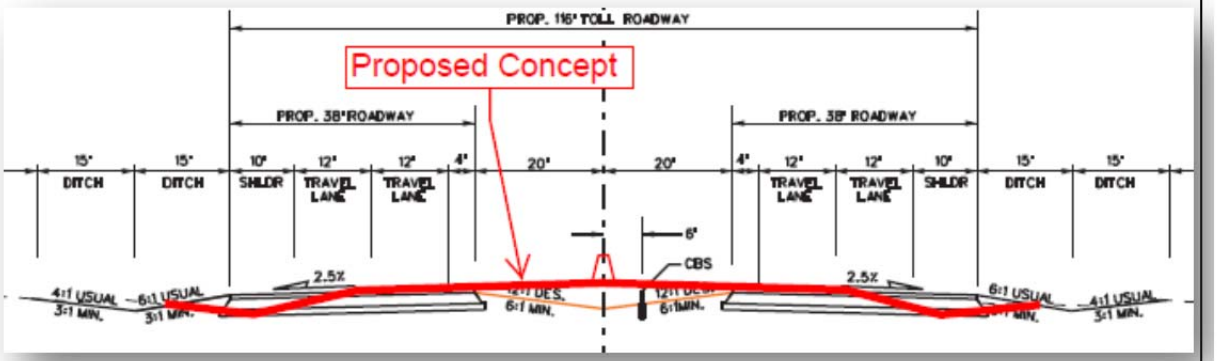
Cost Summary	Cost
Savings	**$400,149** (see discussion)

FHWA Function Benefit

Safety	*Operations*	*Environment*	*Construction*	*Other*
	✓	✓		✓

VE RECOMMENDATION NO. 16: BUILD FROM THE MIDDLE	IDEA NO. 27

Discussion/Sketches/Photos



By eliminating the 40-foot grass median and shifting the roadway to the center, savings are possible on some pavement items. The stair-stepping pavement structure for both roadways, when combined, creates an area of overlap, therefore some quantities can be reduced.

In addition, the overall footprint of the typical main lane section is reduced, creating a reduction of needed embankment for this proposal.

By constructing bridges/roadway in the center during Phase 1, construction in Phase 2 would occur on the outside of Phase 1 travel lanes, thereby creating a safer and more accessible work area during Phase 2 construction. The traveling public would also experience a safer work zone. A larger buffer area would be available between the work area and the traveling public due to the wider adjacent shoulder versus working in the middle.

Items such as the cable barrier and drainage in the median in the baseline concept are throwaway items for the ultimate 6-lane configuration. Building from the middle would add ramp length that may be throwaway. The extra ramp length is due to the fact that the ramps in the ultimate 6-lane configuration position would remain. The ramps will have to be longer than the baseline concept to tie in closer to the middle.

Combining two side-by-side bridges into one bridge provides some savings in construction cost, simplifies construction, and shortens construction time.

If two side-by-side bridges are built per the baseline concept:

- There would be two mobilizations to build the slabs versus one mobilization to build one bridge.
- There would be additional time required to set the overhang brackets and place forms versus a quick setting of prestressed concrete panels between girders.
- There would be two bridge rails used versus a single traffic barrier down the middle.
- There would be a lesser probability of efficiently using the columns/foundations.

From a pure construction cost standpoint, one would expect to save about $60 per linear foot of bridge; however, the main advantages are construction simplification and reduction in construction time that are not quantified here.

One also has to factor in that there will be additional engineering time and effort required to change the schematics as they are essentially complete at this time with the baseline concept.

VE RECOMMENDATION NO. 16: BUILD FROM THE MIDDLE	IDEA NO. 27

The following construction estimate reflects the net change in quantities between the baseline and recommended concepts:

SCOPE ITEM	QTY	UM	UNIT PRICE	TOTAL PRICE
132 Embankment (Rdwy)	-469822	CY	$ 4.00	$ (1,879,289)
450 Rail (SSCB)	53391.5	LF	$ 30.00	$ 1,601,745
5367 Cable Barrier	0	LF	$ 10.00	$ -
Bridge savings	-7108.5	LF	$ 55.00	$ (390,968)
Additional Length for Ramps	7778	SY	$ 41.60	$ 323,556
Sub Total				**$ (344,956)**
10% contingency				$ (34,495.58)
6% mobilization				$ (20,697.35)
Total				**$ (400,149)**

VE RECOMMENDATION NO. 16: BUILD FROM THE MIDDLE	IDEA NO. 27

PERFORMANCE MEASURES Attributes and Rating Rationale for Proposal	Performance	Original	Alternative
Operational Impacts No change	Rating	5	5
	Weight	24	
	Contribution	120	120
Revenue Impacts No change	Rating	5	5
	Weight	26	
	Contribution	130	130
Maintainability Little easier with no median to maintain	Rating	5	6
	Weight	10	
	Contribution	50	60
Construction Impacts Reduced fill should result in reduced haul - reduced impacts to local roadways	Rating	5	6
	Weight	7	
	Contribution	35	42
Environmental Impacts No change	Rating	5	5
	Weight	19	
	Contribution	95	95
Project Schedule No change	Rating	5	5
	Weight	14	
	Contribution	70	70
	Total Performance	500	517
	Net Change in Performance		**3%**

VE RECOMMENDATION NO. 17: DEFER DONNA LEG TO THE EAST	IDEA NO. 37

Baseline Concept

IBTC is a 4-lane divided limited access facility that currently consists of three legs: one to I-2 in the north, one to SH 365 toll in the west, and one to FM 493 (Donna) in the east. The north and west legs are assumed to be freeway-to-freeway connections by the end of IBTC construction. The Donna leg will terminate at FM 493 in a T-intersection.

Recommendation Concept

Defer Donna leg to the east (will be included in the environmental document of IBTC). Defer construction until traffic warrants its construction, or at a later date when funding is available.

Advantages	Disadvantages
• Reduces initial cost • Reduces long-term maintenance cost	• May not be acceptable to stakeholders • Potential reduction in revenue • Reduces connectivity to the Donna Bridge

Cost Summary	Cost
Savings	**$17,905,057** (see discussion)

FHWA Function Benefit

Safety	*Operations*	*Environment*	*Construction*	*Other*
	✓	✓		✓

VE RECOMMENDATION NO. 17: DEFER DONNA LEG TO THE EAST	IDEA NO. 37

Discussion/Sketches/Photos

The Valley View (Donna) leg of the IBTC is a proposed 4-lane divided limited access facility. Traffic on this portion of the IBTC is projected to be low and will likely need a connection to Segment E of the corridor to justify the capital expenditure and long-term operations and maintenance costs. The recommendation is to defer construction of this Valley View (Donna) leg of the IBTC until a later date when traffic demands increase and/or a connection can be made to Segment E and its eastern connectivity to I-2. This connection would appear to pair better with Segment E and would result in a significant cost reduction (deferral) for the IBTC.

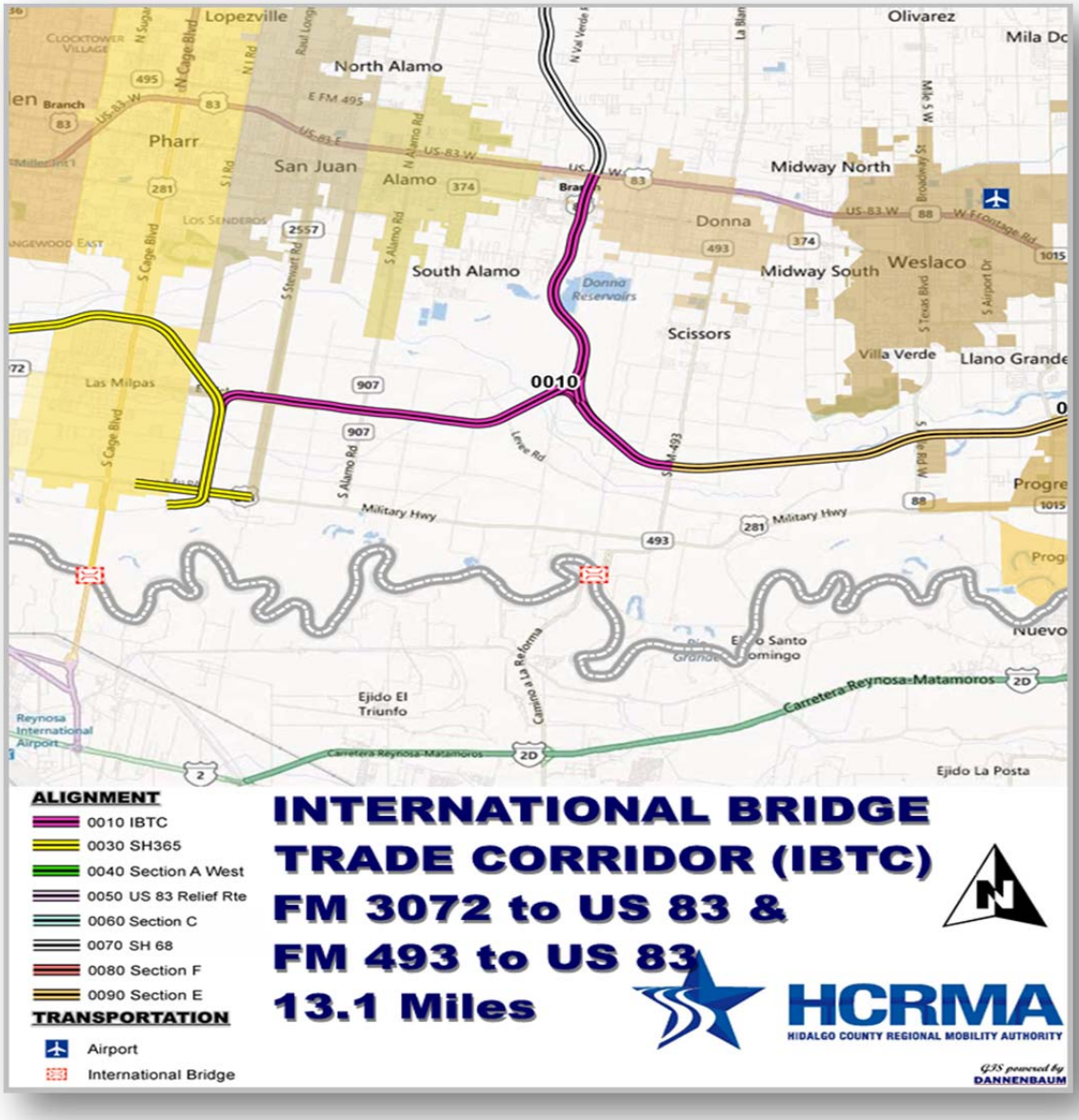


Figure 1 – International Bridge Trade Corridor (IBTC)

VE RECOMMENDATION NO. 17: DEFER DONNA LEG TO THE EAST	IDEA NO. 37

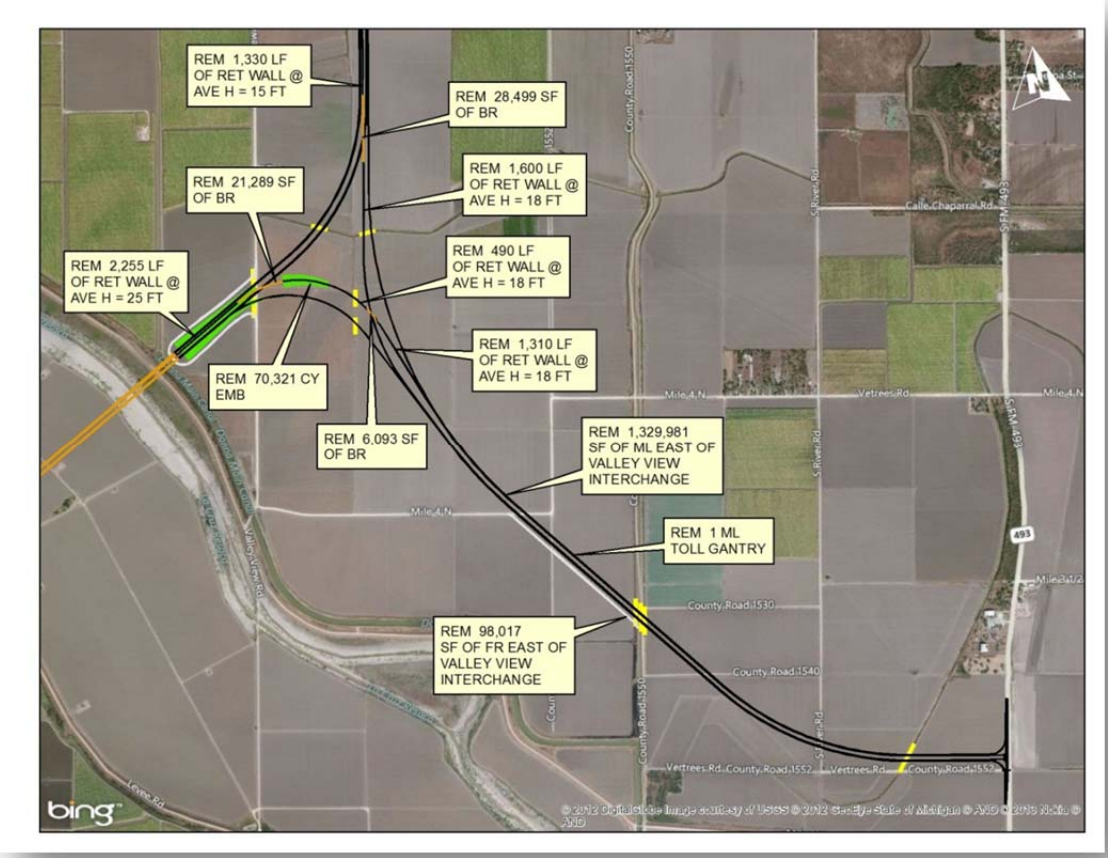


Figure 2 – Valley View (Donna) Leg of IBTC

Original Concept (Current Baseline Concept)

Original Cost Estimate - $163,893,058

Recommended Concept

A high level analysis was used to determine a cost savings in roadway, structures, retaining walls, etc., with an estimated savings of **$17.9M** (see following page).

VE RECOMMENDATION NO. 17: DEFER DONNA LEG TO THE EAST	IDEA NO. 37

IDEA 37

Items Removed	Area (SF)	Length (LF)	Ave Height (FT)	VOL	
Mainlanes	(1,329,981)				
Frontage Roads	(98,017)				
Bridges	(55,860)				
Retaining Wall (SF)		6,985	varies by location	(141,125.00)	SF
Embankment					

REMOVE DONNA LEG BRIDGES		
DC BRIDGE STA 571+63 TO 579+85	$ 1,382,680.00	
DC BRIDGE STA 593+29 TO 595+79	$ 394,680.00	
DC BRIDGE STA 8+50 TO 17+98	$ 1,567,445.00	
Remove Bridges Cost Savings =	**$ 3,344,805.00**	

IDEA 37 (REMOVE DONNA LEG) MAIN LANES & FRONTAGE ROAD ITEMS REMOVAL CALCULATIONS

DESC CODE	ITEM DESCRIPTION	UNITS	QUANTITY	AGREED UNIT BID PRICE	Agreed Bid Price Unit Cost AMOUNT
132-2006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	-70,321	$4.00	$ (281,284.00)
247-2225	FL BS (RDWY DEL)(TY E GR 4)(FNAL POS)	CY	-88,068	$15.00	$ (1,321,020.00)
260-2015	LIME TRT (NEW BASE)(8")	SY	-11,348	$1.30	$ (14,752.40)
260-xxxx	LIME TRT (NEW BASE)(20")	SY	-153,982	$2.00	$ (307,964.00)
260-2011	LIME TRT (EXST MATL) (12")	SY	-171,836	$1.30	$ (223,386.80)
260-2016	LIME (HYD, COM, OR QK(SLURRY))	TON	-7,228	$140.00	$ (1,011,920.00)
310-2001	PRIME COAT (MC-30)	GAL	-2,178	$4.50	$ (9,801.00)
316-2706	ASPH (TIER II)	GAL	-3,812	$3.10	$ (11,817.20)
316-2722	AGGR (GR 4P)	CY	-109	$64.00	$ (6,976.00)
340-2135	D-GR HMA(METH) TY-D SAC-A PG76-22	TON	-25,492	$75.00	$ (1,911,900.00)
340-2239	D-GR HMA(METH) TY-B SAC-B PG64-22	TON	-38,237	$70.00	$ (2,676,590.00)
423-2001	RETAINING WALL (MSE)	SF	-141,125	$30.00	$ (4,233,750.00)
	DEFERRING MAINLANE GANTRY	LS	0	$1,177,000.00	$ -
				TOTAL	$ (12,011,161.40)

David Galindo: Not included in orig estimate

TOTAL IDEA NO 37 COST

Bridge Reduction =	**$ (3,344,805.00)**
Additional Roadway Items =	**$ (12,011,161.40)**
Contingencies (10%)	**$ (1,535,596.64)**
Mobilization (6%)	**$ (1,013,493.78)**
Savings =	**$ (17,905,056.82)**

VE RECOMMENDATION NO. 17: DEFER DONNA LEG TO THE EAST	IDEA NO. 37

PERFORMANCE MEASURES Attributes and Rating Rationale for Proposal	Performance	Original	Alternative
Operational Impacts Current traffic will have to use lower-functioning roadway	Rating	5	4
	Weight	24	
	Contribution	120	96
Revenue Impacts Losing revenue from Donna leg	Rating	5	4.5
	Weight	26	
	Contribution	130	117
Maintainability Less roadway and structures to maintain	Rating	5	9
	Weight	10	
	Contribution	50	90
Construction Impacts Would not impact local traffic on FM 493	Rating	5	6
	Weight	7	
	Contribution	35	42
Environmental Impacts No change	Rating	5	5
	Weight	19	
	Contribution	95	95
Project Schedule Less construction	Rating	5	8
	Weight	14	
	Contribution	70	112
	Total Performance	500	552
	Net Change in Performance		**10%**

VE RECOMMENDATION NO. 18: POSTPONE/DELAY RAMPS	IDEA NO. 41

Baseline Concept

The current baseline concept shows ramps located west of FM 2557, west of Tower Road, west of Border Road, and four ramps, including frontage roads providing access from/to Valley View Road (see Figure 1, baseline concept).

Recommendation Concept

Defer ramps located:

- West of FM 2557 (two ramps exiting to and entering from frontage road, marked green in Figure 2)
- West of Tower Road (two ramps entering from and exiting to Tower Road, marked maroon in Figure 2)
- West of Border Road (two ramps entering from and exiting to Tower Road, marked blue in Figure 2)
- Valley View Road(four ramps, marked red in Figure 2)

Advantages	Disadvantages
• Reduced initial cost • Reduced maintenance cost • Reduced toll collection equipment	• May not be politically acceptable • Increased traffic on frontage road • Increased time to access IBTC • May reduce revenue

Cost Summary	Cost
Savings	**$2,312,662** (see discussion)

FHWA Function Benefit

Safety	*Operations*	*Environment*	*Construction*	*Other*
	✓	✓		✓

VE RECOMMENDATION NO. 18: POSTPONE/DELAY RAMPS	IDEA NO. 41

Discussion/Sketches/Photos

The current baseline concept shows a set of ramps located west of FM 2557, west of Tower Road, west of Border Road, and ramps providing access from/to Valley View Road (see Figure 1).

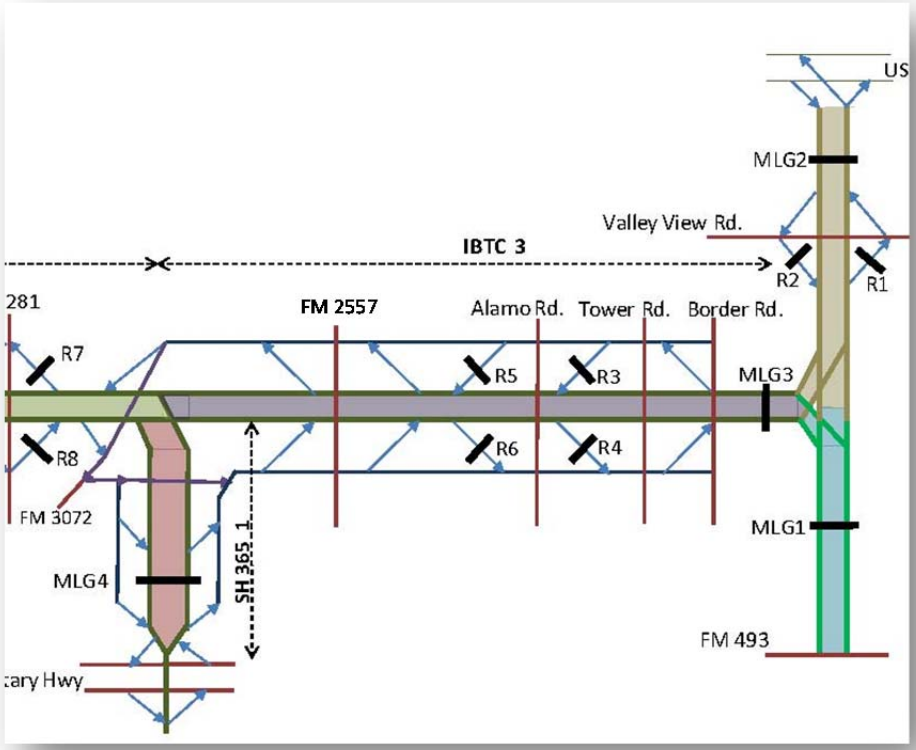
In the segment between FM 2557 and Border Road (3.5 miles), there are five sets of ramps providing access to the IBTC. An efficient access could be provided postponing or delaying the construction of the ramps located:

- West of FM 2557 (two ramps exiting to and entering from frontage road, marked green in Figure 2)
- West of Tower Road (two ramps entering from and exiting to Tower Road, marked maroon in Figure 2)
- West of Border Road (two ramps entering from and exiting to Tower Road, marked blue in Figure 2).

The IBTC will continue providing good access because the distances between the ramps are very short and there are frontage roads along this segment to facilitate local movement. Drivers would need to drive a little longer to reach their destination. Construction and maintenance cost will be reduced significantly and it will compensate for the small reduction of toll revenue.

The area located in the vicinity of Valley View Road and the IBTC intersection does not contain commercial or housing development right now (see Figure 3). The ramps located at Valley View Road (marked red in Figure 2) will provide access to the future development expected in this area. Assuming that such development will take some time to happen, it is recommended delaying the construction of those ramps and frontage roads until traffic volumes warrant. During this time IBTC will only serve through trips. It is expected that the toll revenue lost for delaying the access will be small as compared with the construction and maintenance cost savings.

Figure 1 (Baseline Concept)



VE RECOMMENDATION NO. 18: POSTPONE/DELAY RAMPS	IDEA NO. 41

Figure 2 (Ramps Deferred)

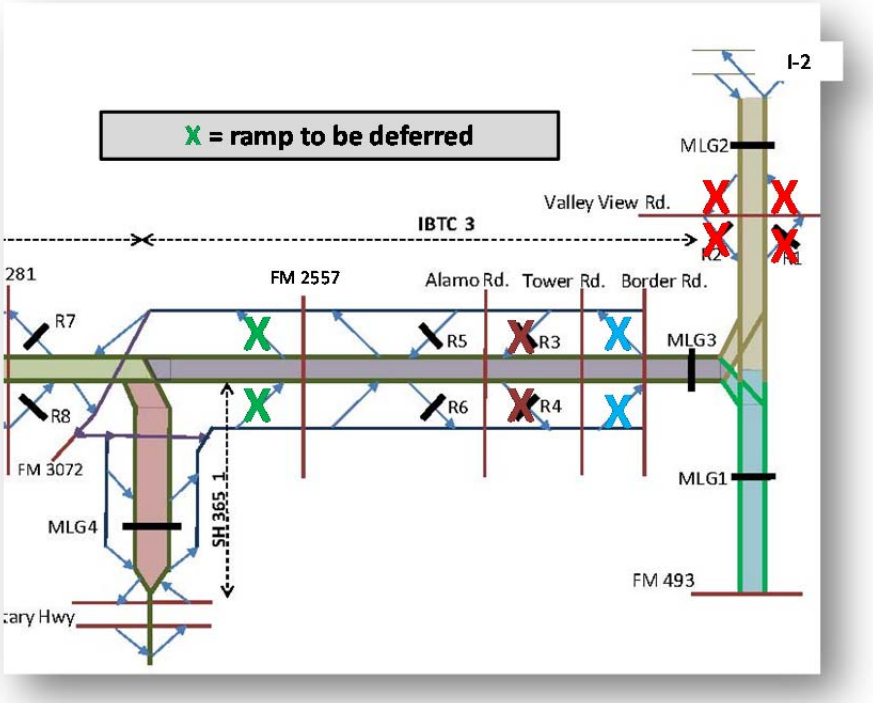


Figure 3 (Valley View Road and IBTC Surrounding Area)

VE RECOMMENDATION NO. 18: POSTPONE/DELAY RAMPS	IDEA NO. 41

Deferring the ramps would result in a reduction of capital and maintenance costs, which would offset the expected revenue lost. The capital cost savings breakdown is shown below.

I. Earth Work & Landscape subtotal	$	-
II. Subgrade Treatments & Base subtotal	$	707,389
III. Surface Courses & Pavement subtotal	$	1,286,285
IV. Structures subtotal	$	-
V. Miscellaneous subtotal	$	-
VI. Lighting, Signing, PM, & Signals subtotal	$	-
VII. Right of Way	$	-
Total Estimate	$	2,312,662 ★

★ Total estimate includes 6% mobilization and 10% contingency.

Subgrade Treatments & Base

Item No.	Description Code	Description	Quantity	Unit Price	Unit	Amount
204	2003	SPRINKLING (DUST CONTROL)	-		MG	
247	2225	FL BS (RDWY DEL)(TY E GR 4)(FNAL POS)	19,400.42	15.00	CY	$ 291,006.30
260	****	LIME TRT (NEW BASE) (20")	45,368.51	2.00	SY	$ 90,737.02
260	2011	LIME TRT (EXST MATL) (12")	49,103.69	1.30	SY	$ 63,834.80
260	2043	LIME (HYD, COM OR QK)(SLURRY)	1,870.08	140.00	TON	$ 261,811.20

Surface Courses and Pavement

Item No.	Description Code	Description	Quantity	Unit Price	Unit	Amount
310	2001	PRIME COAT (MC-30)	8,638.88	4.50	GAL	$ 38,874.96
316	2706	ASPH (TIER II)	13,822.21	3.10	GAL	$ 42,848.85
316	2722	AGGR (GR 4P)	359.95	64.00	CY	$ 23,036.80
354	2022	PLANE ASPH CONC PAV(0" TO 3")	-		SY	
3268	2047	D-GR HMA TY-D SAC-A PG76-22	7,119.30	75.00	TON	$ 533,947.50
3268	2073	D-GR HMA TY B SAC-A PG 76-22	9,251.10	70.00	TON	$ 647,577.00

Miscellaneous Construction

David Galindo: Toll Gantries Cost Not included in orig estimate

Item No.	Description Code	Description	Quantity	Unit Price	Unit	Amount
		Toll Gantries	-	$ 1,600,000.00	LS	$ -

VE RECOMMENDATION NO. 18: POSTPONE/DELAY RAMPS	IDEA NO. 41

PERFORMANCE MEASURES Attributes and Rating Rationale for Proposal	Performance	Original	Alternative
Operational Impacts Temporary degradation	Rating	5	4.5
	Weight	24	
	Contribution	120	108
Revenue Impacts Small amount of revenue could be lost in the temporary condition	Rating	5	4.5
	Weight	26	
	Contribution	130	117
Maintainability Less overall area and potential equipment to maintain	Rating	5	7.5
	Weight	10	
	Contribution	50	75
Construction Impacts Slight reduction in construction impacts (MOT)	Rating	5	6
	Weight	7	
	Contribution	35	42
Environmental Impacts No change	Rating	5	5
	Weight	19	
	Contribution	95	95
Project Schedule Less project to build	Rating	5	5
	Weight	14	
	Contribution	70	70
	Total Performance	500	507
	Net Change in Performance		1%

VE RECOMMENDATION NO. 19: REALIGNMENT OF IBTC	IDEA NO. 46

Baseline Concept

Baseline concept of the IBTC from FM 907/Alamo Road at STA 411+00 to north of the Donna Reservoir at STA 745+00 is a 4 lane divided tollroad with frontage roads followed by a floodway bridge of 4,112 LF, as shown in Exhibit 1.

Recommendation Concept

Realignment of the IBTC from FM 907 (Alamo Road) at STA 411+00 to north of the Donna Reservoir at STA 745+00. The recommended concept maintains the tollroad function and eliminates frontage roads within this segment, shortens the floodway bridge to 3225 LF, as shown in Exhibit 2,

Advantages	Disadvantages
• Reduces cost • Significantly shortens the floodway bridge • Reduces project length • Reduces number of bridge crossings	• Would require modification to environmental documents and field work • Would require additional surveying • Requires a longer Donna leg • Requires additional stakeholder communication • New market evaluation will need to be updated

Cost Summary	Cost
Savings	**$20,421,781** (see discussion)

FHWA Function Benefit

Safety	*Operations*	*Environment*	*Construction*	*Other*
	✓	✓		✓

VE RECOMMENDATION NO. 19: REALIGNMENT OF IBTC	IDEA NO. 46

Discussion/Sketches/Photos

Discussion:

The base concept, as shown in Exhibit 1, contains overpasses at Tower Road and FM 1423/Valley View Road, as well as an underpass at Border Road. This concept contains frontage roads between FM 907 and Border Road in order to accommodate the free access granted by the existing FM 3072. Finally, the concept contains a bridge over the USIBWC floodway with a length of 4,112 LF. There is a desire to optimize costs and adhere to the need and purpose of providing north-south access to/from Interstate 2 (I-2). A recommended concept was developed in order to accomplish the aforementioned goals.

The recommended concept, as shown in Exhibit 2, would convert Tower Road to an underpass and defer this underpass until Tower Road is improved within this area (currently a discontinuous gravel road to the north of the IBTC). This concept would eliminate the overpass at FM 1423/Valley View (north of base concept Valley View Interchange) due to the new geometry, but it would introduce the need for an underpass just north of the recommended concept Valley View Interchange and another underpass at the new Donna leg to accommodate FM 1423/Valley View Road. Border Road would be eliminated under this concept since the route from Border Road to Balli Road would be provided unobstructed access underneath the realigned floodway bridge. The recommended concept would also eliminate the frontage roads between FM 907/Alamo Road and Border Road since the new geometry would no longer utilize the existing FM 3072 ROW east of FM 907. As a result of this frontage road removal, a toll gantry ramp pair is eliminated at Tower Road. The concept would also shorten the bridge over the USIBWC floodway bridge by 887 LF or a new length of 3,225 LF. Finally, the concept proposes to eliminate a bridge over the Donna Reservoirs and replace it with embankment and equalizing culverts.

The potential cost savings for the recommended concept are provided in Table 1. While there is a small net reduction to facility miles (0.25 mi), the elimination of frontage roads, irrigation/drainage bridges, underpasses in lieu of overpasses, and reduced bridge structures (particularly at the floodway by 887 LF) due to an improved alignment provide a net reduction of **$20,421,781** from the base concept.

VE RECOMMENDATION NO. 19: REALIGNMENT OF IBTC	IDEA NO. 46

Exhibit 1 – Baseline Concept

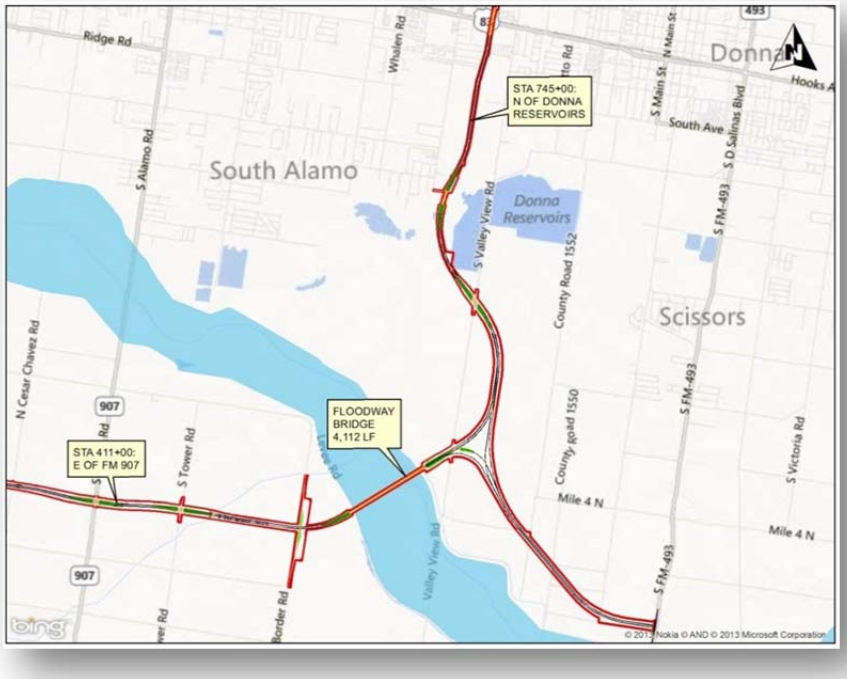
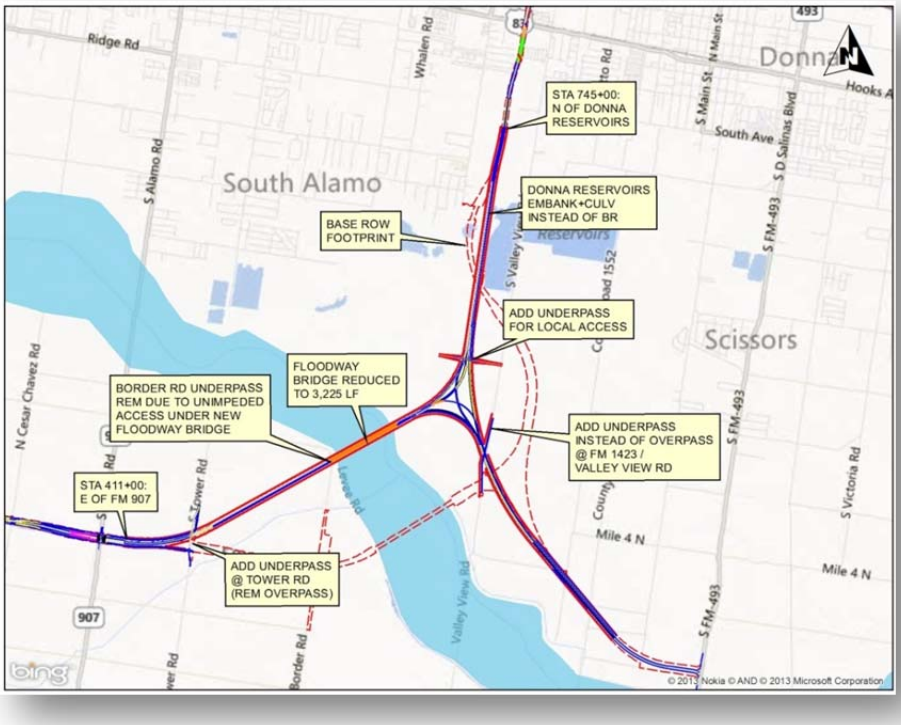


Exhibit 2 – Recommendation Concept



VE RECOMMENDATION NO. 19: REALIGNMENT OF IBTC	IDEA NO. 46

Table 1 – Cost Savings Due to Recommendation Concept

IDEA NO. 46 RELOCATE ALIGNMENT		
REMOVE EXISTING BRIDGES		
Tower Road	$ (1,284,800.00)	
HCDD#1 Main Drain ML Bridge	$ (610,885.00)	
HCDD#1 Main Drain FR Bridge	$ (598,895.00)	
Border Road Underpass	$ (860,200.00)	
Floodway Bridge	$ (18,956,300.00)	
WS DC Bridge	$ (1,944,605.00)	
SE DC Bridge	$ (1,567,445.00)	
Valley View Road	$ (1,827,650.00)	
Donna Reservoir SB Bridge	$ (3,082,420.00)	
Irrigation Canal Donna Reservoir SB Bridge	$ (162,910.00)	
Remove Bridges Cost Savings =	**$ (30,896,110.00)**	
ADDITIONAL BRIDGES		
Tower Road	$ 623,700.00	
Floodway Bridge	$ 14,188,955.00	
WS DC Bridge	$ 1,148,565.00	
SE DC Bridge	$ 228,250.00	
Valley View Road	$ 1,001,770.00	
County Road	$ 783,805.00	
Total Add'l Bridges =	**$ 17,975,045.00**	

IDEA NO. 46 RELOCATE ALIGNMENT (MAIN LANES & FRONTAGE ROAD ITEMS)

DESC CODE	ITEM DESCRIPTION	UNITS	QUANTITY	AGREED UNIT BID PRICE	Agreed Bid Price Unit Cost AMOUNT
132-2006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	35,000	$4.00	$ 140,000.00
247-2225	FL BS (RDWY DEL)(TY E GR 4)(FNAL POS)	CY	-32,164	$15.00	$ (482,460.00)
260-2015	LIME TRT (NEW BASE)(8")	SY	-122,373	$1.30	$ (159,084.90)
260-xxxx	LIME TRT (NEW BASE)(20")	SY	-8,945	$2.00	$ (17,890.00)
260-2011	LIME TRT (EXST MATL) (12")	SY	-136,485	$1.30	$ (177,430.50)
260-2016	LIME (HYD, COM, OR QK(SLURRY))	TON	-4,465	$140.00	$ (625,100.00)
310-2001	PRIME COAT (MC-30)	GAL	-23,488	$4.50	$ (105,696.00)
316-2706	ASPH (TIER II)	GAL	-41,105	$3.10	$ (127,425.50)
316-2722	AGGR (GR 4P)	CY	-1,175	$64.00	$ (75,200.00)
340-2135	D-GR HMA(METH) TY-D SAC-A PG76-22	TON	-21,740	$75.00	$ (1,630,500.00)
340-2239	D-GR HMA(METH) TY-B SAC-B PG64-22	TON	-2,222	$70.00	$ (155,540.00)
	DEFERRING TOLL GANTRY (RAMP)	LS	-1	$1,177,000.00	$ (1,177,000.00)
				TOTAL	**$ (4,593,326.90)**

TOTAL IDEA NO 46 COST	
Bridges =	**$ (12,921,065.00)**
Additional Roadway Items =	**$ (4,593,326.90)**
Contingencies (10%)	**$ (1,751,439.19)**
Mobilization (6%)	**$ (1,155,949.87)**
Savings =	**$ (20,421,780.96)**

VE RECOMMENDATION NO. 19: REALIGNMENT OF IBTC	IDEA NO. 46

PERFORMANCE MEASURES Attributes and Rating Rationale for Proposal	Performance	Original	Alternative
Operational Impacts Shorter overall corridor length Valley View connects to Donna leg More competitive with alternative routes	Rating	5	5
	Weight	24	
	Contribution	120	120
Revenue Impacts Shorter length but potentially higher volume	Rating	5	5
	Weight	26	
	Contribution	130	130
Maintainability Fewer and smaller structures, less roadway	Rating	5	8
	Weight	10	
	Contribution	50	80
Construction Impacts Reduced floodway impacts	Rating	5	7
	Weight	7	
	Contribution	35	49
Environmental Impacts Reduced right-of-way Reduced footprint in the floodway Less impact to existing facilities	Rating	5	8
	Weight	19	
	Contribution	95	152
Project Schedule Overall reduction in schedule based on main lanes and floodway bridge	Rating	5	7
	Weight	14	
	Contribution	70	98
	Total Performance	500	629
	Net Change in Performance		**26%**

Appendix A

Value Engineering Process

Appendix A. Value Engineering Process

Value Engineering (VE) is a systematic process using a multidisciplinary team to improve the value of a project through the analysis of its functions. The VE process incorporates, to the extent possible, the values of design, construction, maintenance, contractor, state, local, and federal approval agencies, other stakeholders, and the public.

The primary objective of a VE Study is value improvement. Value improvements might relate to scope definition, functional design, constructability, coordination (both internal and external), or the schedule for project development. Other possible value improvements are reduced environmental impacts, reduced public (traffic) inconvenience, or reduced project cost.

Pre-VE Study

Prior to the start of a VE Study, the Project Manager and the VE Team Leader carry out the following activities:

- Initiate study – Identify study project and define study goals
- Organize study – Conduct pre-VE Study meeting and select team members
- Prepare data – Collect and distribute data and prepare cost models.

All of the information gathered prior to the VE Study is given to the team members for their use.

Value Engineering Job Plan

The VE Team employed the six-phase VE Job Plan in analyzing the project. This process is recommended by SAVE International and is composed of the following phases:

Investigation/Information – The objective of this phase was to obtain a thorough understanding of the project's design criteria and objectives by reviewing the project's documents and drawings, cost estimates, and schedules.

Function – The purpose of this phase was to identify and define the primary and secondary functions of the project. A Functional Analysis System Technique (FAST) was used to quickly define the functions of the project.

Speculation/Creative – During this phase the team employed creative techniques such as team brainstorming to develop a number of alternative concepts that satisfy the project's primary functions.

Evaluation – The purpose of this phase was to evaluate the alternative concepts developed by the VE Team during the brainstorming sessions. The team used a number of tools to determine the qualitative and quantitative merits of each concept.

Development – Those concepts that ranked highest in the evaluation were further developed into VE Recommendations. Narratives, drawings, calculations, and cost estimates were prepared for each recommendation.

Presentation – The VE Team presented their finding in the form of a written report. In addition, an oral presentation was made to the owner and the design team to discuss the VE recommendations.

The following is a general discussion and overview of the Performance-Based VE process that will be used on the CR 712 Project. Ideas that have been introduced and warrant further consideration, will be documented with their advantages and disadvantages; each idea will then be carefully evaluated against project-specific attributes.

Performance-Based Value Engineering

Performance measures an integral part of the VE process. It provides the cornerstone of the VE process by giving a systematic and structured way of considering the relationship of a project's performance and cost as they relate to value. Project performance must be properly defined and agreed on by the stakeholders at the beginning of the VE Study. The performance attributes and requirements that are developed are then used throughout the study to identify, evaluate, and document alternatives.

Introduction

Value engineering has traditionally been perceived as an effective means for reducing project costs. This paradigm only addresses one part of the value equation, oftentimes at the expense of overlooking the role that VE can play with regard to improving project performance. Project costs are fairly easy to quantify and compare through traditional estimating techniques. Performance is not so easily quantifiable.

The VE Team Leader will lead the team and external stakeholders through the methodology, using the power of the process to distill subjective thought into an objective language that everyone can relate to and understand. The dialogue that develops forms the basis for the VE Teams understanding of the performance requirements of the project and to what degree the current design concept is meeting those requirements. From this baseline, the VE Team can focus on developing alternative concepts that will quantify both performance and cost and contribute to overall project value.

Performance-Based VE yields the following benefits:

- Builds consensus among project stakeholders (especially those holding conflicting views)
- Develops a better understanding of a project's goals and objectives
- Develops a baseline understanding of how the project is meeting performance goals and objectives
- Identifies areas where project performance can be improved through the VE process
- Develops a better understanding of a VE alternative's effect on project performance
- Develops an understanding of the relationship between performance and cost in determining value
- Uses value as the true measurement for the basis of selecting the right project or design concept

- Provides decision-makers with a means of comparing costs and performance (i.e., costs vs. benefits) in a way that can assist them in making better decisions.

Methodology

The application of Performance-Based VE consists of the following steps:

1. Identify key project (scope and delivery) performance attributes and requirements for the project.
2. Establish the hierarchy and impact of these attributes on the project.
3. Establish the baseline of the current project performance by evaluating and rating the effectiveness of the current design concepts.
4. Identify the change in performance of alternative project concepts generated by the study.
5. Measure the aggregate effect of alternative concepts relative to the baseline project's performance as a measure of overall value improvement.

The primary goal of value engineering is to improve the value of the project. A simple way to think of value in terms of an equation is as follows:

$$Value = \frac{Performance}{Cost}$$

Assumptions

Before embarking on the details of this methodology, some assumptions need to be identified. The methodology described in the following steps assumes the project functions are well established. Project functions are defined as what the project delivers to its users and stakeholders; a good reference for the project functions can be found in the environmental document's purpose and need statement. Project functions are generally well defined prior to the start of the VE Study. In the event that project functions have been substantially modified, the methodology must begin anew (Step 1).

Step 1 – Determine the Major Performance Attributes

Performance attributes can generally be divided between project scope components (highway operations, environmental impacts, and system preservation) and project delivery components. It is important to make a distinction between performance *attributes* and performance *requirements*. Performance requirements are mandatory and binary in nature. All performance requirements MUST be met by any VE alternative concept being considered. Performance attributes possess a range of acceptable levels of performance. For example, if the project was the design and construction of a new bridge, a performance requirement might be that the bridge meets all current seismic design criteria. In contrast, a performance attribute might be project schedule, which means that a wide range of alternatives could be acceptable that had different durations.

The VE Team Leader will initially request representatives from project team and external stakeholders identify performance attributes that they feel are essential to meeting the overall need and purpose of the project. Usually four to seven attributes are selected. It is important that all potential attributes be thoroughly discussed. The information that comes out of this

discussion will be valuable to both the VE Team and the project owner. It is important that each attribute be discretely defined and be quantifiable in some form. The vast majority of performance attributes that typically appear in transportation VE studies have been standardized. This standardized list can be used "as is" or adopted with minor adjustments as required.

Typical standardized project performance attributes are shown below. Specific definitions of each attribute can be found below.

- Main Line Operations
- Local Operations
- Maintainability
- Construction Impacts
- Environmental Impacts
- Project Schedule
- Risk

PERFORMANCE ATTRIBUTE AND DEFINITIONS	
Performance Attribute	**Description of Attribute**
Main Line Operations	An assessment of traffic operations and safety on CR 712. Operational considerations include level of service relative to the 20-year traffic projections as well as geometric considerations such as design speed, sight distance, and lane and shoulder widths.
Local Operations	An assessment of traffic operations and safety on the local roadway infrastructure. Operational considerations include level of service relative to the 20-year traffic projections; geometric considerations such as design speed, sight distance, lane widths; bicycle and pedestrian operations and access, including shared use path.
Maintainability	An assessment of the long-term maintainability of the transportation facility(s). Maintenance considerations include the overall durability, longevity, and maintainability of pavements, structures, and systems; ease of maintenance; accessibility and safety considerations for maintenance personnel.
Construction Impacts	An assessment of the temporary impacts to the public during construction related to traffic disruptions, detours and delays; impacts to businesses and residents relative to access, visual, noise, vibration, dust, and construction traffic. Temporary environmental impacts related to water quality, air quality, soil erosion, and local flora and fauna.
Environmental Impacts	An assessment of the permanent impacts to the environment, including ecological (i.e., flora, fauna, air quality, water quality, visual, noise); socioeconomic impacts (i.e., environmental justice, business, residents); impacts to cultural, recreational and historic resources.
Project Schedule	An assessment of the total project delivery as measured from the time of the VE study to completion of construction.
Risks	An assessment of the identified risks of the project.

Step 2 – Determine the Relative Importance of the Attributes

Once the group has agreed on the project's performance attributes, the next step is to determine their relative importance in relation to each other. This is accomplished through the use of an evaluative tool termed in this report as the "Performance Attribute Matrix." This matrix compares the performance attributes in pairs, asking the question: "An improvement in which attribute will provide the greatest benefit to the project relative to purpose and need?"

A letter code (e.g., "A") is entered into the matrix for each pair, identifying which of the two is more important. If a pair of attributes is considered to be of essentially equal importance, both letters (e.g., "A/B") are entered into the appropriate box. This, however, should be discouraged, as it has been found that in practice a tie usually indicates that the pairs have not been adequately discussed. When all pairs have been discussed, the number of "votes" for each is tallied and percentages (which will be used as weighted multipliers later in the process) are calculated. It is not uncommon for one attribute to not receive any "votes." If this occurs, the attribute is given a token "vote", as it made the list in the first place and should be given some degree of importance.

An example of this exercise is shown below.

PERFORMANCE ATTRIBUTE MATRIX

US 12 Freeway Conversion Proejct

"An improvement in which attribute will provide the greatest benefit to the project relative to purpose and need?"

								TOTAL	%
Mainline Operations	**A**	A	A	A	A/E	A	A	6.5	23%
Local Operations	**B**	B	B	B/E	B	B		5.5	20%
Maintainability	**C**	C	E	C	C			4.0	14%
Construction Impacts	**D**	E	D/F	G				1.5	5%
Environmental Impacts	**E**	E	E					6.0	21%
Project Schedule	**F**	G						1.5	5%
Risks	**G**							3.0	11%
								28.0	100%

For the example project above, the project owner, design team, and stakeholders determined that Main Line Operations, followed by Environmental, gave the greatest improvement relative to the projects purpose and need, while Construction Impacts and Project Schedule gave the least improvement.

Step 3 – Establish the Performance Baseline for the Original Design

The next step in the process is to document the project-specific elements for the performance attributes developed in Step 1. This step establishes a baseline against which the VE alternative concepts can be compared. An example of project-specific elements is shown below.

Evaluation of Baseline Project		
Standard Performance Attribute	**Description of Attribute**	**Baseline Design Rating Rational**
Main Line Operations	An assessment of traffic operations and safety on TH 1 (MN) & SH 54 (ND). Operational considerations include level of service relative to the 20-year traffic projections as well as geometric considerations such as design speed, sight distance, lane widths and shoulder widths.	Design Speed - 55 MPH Bridge - 12' Lanes, 8' shoulders Roadway - 12' Lanes, 6' shoulders Bridge HL93 Loading
Local Operations	An assessment of traffic operations and safety on the local roadway infrastructure. Operational considerations include level of service relative to the 20 year traffic projections; geometric considerations such as design speed, sight distance, lane widths; bicycle and pedestrian operations and access.	Revisions will need to be made to the existing streets & private approaches due to the vertical alignment of TH 1 & SH 54.
Maintainability	An assessment of the long-term maintainability of the transportation facility(s). Maintenance considerations include the overall durability, longevity and maintainability of pavements, structures and systems; ease of maintenance; accessibility and safety considerations for maintenance personnel.	Baseline design assumes a replacement bridge 30" total depth for frost - 5" bituminous over 12" crushed surfacing over 13" sand Illumination from the levee through the bridge Bridge design – 2" low slump overlay on a 7" deck Steel welded plate girder 100' - 150' - 250' - 250' - 150' - 100' spans
Construction Impacts	An assessment of the temporary impacts to the public during construction related to traffic disruptions, detours and delays; impacts to businesses and residents relative to access, visual, noise, vibration, dust and construction traffic; environmental impacts.	Maintain traffic across river Noise permit required from Oslo Assume work trestle to construct center pier Short term detour to construct tie-ins to existing highways
Environmental Impacts	An assessment of the permanent impacts to the environment including ecological (i.e., flora, fauna, air quality, water quality, visual, noise); socioeconomic impacts (i.e., environmental justice, business, residents); impacts to cultural, recreational and historic resources.	In-Water window - can't be in water March 15 to June 15 Considered a navigable body of water Existing bridge #9100 is under consideration for historical significance although this study only looked at the bridge replacement alternative

Evaluation of Baseline Project		
Standard Performance Attribute	**Description of Attribute**	**Baseline Design Rating Rational**
Project Schedule	An assessment of the total project delivery from the time as measured from the time of the CRAVE™ Study to completion of construction.	Advertisement date - October 1, 2012 Construction start of January 2013 26 month overall construction duration
Risks	An assessment of the identified risks of the project.	See the risk management plan

Once the baseline definitions for the various attributes have been established, their total performance should be calculated by multiplying the attribute's weight (which was developed in Step 2) by its rating. While one could assign a 0 to 10 rating for each attribute, using the definitions and scales developed in Step 1, a baseline rating of 5 is typically used as a mid point so that alternatives can be evaluated – better than or worse than the baseline.

Total baseline performance is calculated by multiplying the attribute's weight (which was developed in Step 2) by its rating (5). The baseline design's total performance of 500 points can be calculated by adding all of the scores for the attributes. This numerical expression of the original designs performance forms the baseline against which all alternative concepts will be compared.

Step 4 – Evaluate the Performance of the VE Alternative Concepts

Once the performance of the baseline has been established for the original design concept, it can be used to help the VE Team develop performance ratings for individual VE alternative concepts as they are developed during the course of the study. The Performance Measures Form is used to capture this information. This form allows a side-by-side comparison of the original design and VE alternative concepts to be performed.

It is important to consider the alternative concept's impact on the entire project (rather than on discrete components) when developing performance ratings for the alternative concept.

Proposals are evaluated against the baseline for all attributes to compare and contrast the potential for value improvement. As discussed in Step 3, the baseline is given a rating of 5. The following ratings were used to evaluate the performance of the alternative concepts relative to the baseline concept.

Rating	Performance Attribute Scale
10	Alternative concept is extremely preferred
9	Alternative concept is very strongly preferred
8	Alternative concept is strongly preferred
7	Alternative concept is moderately preferred
6	Alternative concept is slightly preferred
5	***Baseline***
4	Baseline concept is slightly preferred
3	Baseline concept is moderately preferred
2	Baseline concept is strongly preferred
1	Baseline concept is very strongly preferred
0	Baseline concept is extremely preferred

Step 5 – Compare the Performance Ratings of Alternative Concepts to the Baseline Project

As the VE Team develops alternatives, the performance of each is rated against the original design concept (baseline). Changes in performance are always based on the overall impact to the total project. Once performance and cost data have been developed by the VE Team, the net change in value of the VE alternatives can be compared to the original design concept. The resulting "Value Matrix" provides a summary of these changes and allows a way for the Project Team to assess the potential impact of the VE recommendations on total project value.

The VE Team groups the VE alternatives into a strategy (or strategies) to provide the decision-makers a clear picture of how the alternatives fit together into possible solutions. At least one strategy is developed to present the VE Team's consensus of what should be implemented. Additional strategies are developed as necessary to present other combinations to the decision-makers that should be considered. The strategy(s) of VE alternatives are rated and compared against the original concept. The performance ratings developed for the VE strategies are entered into the matrix, and the summary portion of the Value Matrix is completed. The summary provides details on net changes to cost, performance, and value, using the following calculations:

- % Performance Improvement = Δ Performance VE Strategy/Total Performance Original Concept
- Value Index = Total Performance/Total Cost (in Millions)
- % Value Improvement = ΔValue Index VE Strategy/Value Index Original Concept.

The following is an example of a Value Matrix worksheet.

VALUE MATRIX													
M-231 Area B: 112th Street & RR Bridge													
Attribute	**Attribute Weight**	**Concept**	**Performance Rating**										**Total Performance**
			1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	
Mainline Operations	25.0	Baseline					5						125
		B1					5						125
		B2					5						125
		B3								8			200
Local Operations	20.0	Baseline					5						100
		B1					5						100
		B2					5						100
		B3							7				140
Maintainability	14.0	Baseline					5						70
		B1					5						70
		B2					5						70
		B3				4							56
Construction Impacts	14.0	Baseline					5						70
		B1									9.5		133
		B2								8			112
		B3						6					84
Environmental Impacts	7.0	Baseline					5						35
		B1					5						35
		B2						5.5					39
		B3					5						35
Project Schedule	16.0	Baseline					5						80
		B1					5						80
		B2					5						80
		B3					5						80
Risks	4.0	Baseline					5						20
		B1					5						20
		B2						6					24
		B3				4.5							18

OVERALL PERFORMANCE		Performance (P)	% Change Performance	Cost (C)	% Change Cost	Value Index (P/C)	% Value Improvement
	Baseline	500		$5.0		100.00	
B1	I-96 Railroad Bridge Removal—Traffic Staging	563	13%	$5.1	-1%	111.05	11%
B2	Combine RR Removal with New M-231 Interchange Structure	550	10%	$4.7	5%	116.17	16%
B3	112th Avenue and Cleveland Road at I-96	613	23%	$6.5	-30%	94.31	-6%

Appendix B

VE Study Agenda and Attendees

Hidalgo County RMA – IBTC

Monday Nov 11th

Objective for the day: Learn about the project and begin brainstorming solutions.

8:00 am	Team Meet and Greet
	Process Presentation
	Performance attributes and scales
	Attribute weighting
	Project Team presentation/briefing of the project
	Purpose and Need/Goals and Objectives
	Existing Conditions/Deficiencies
	Schedule, Estimate, etc.
	Constraints and controlling decisions - environmental
10:30 am	Virtual
12:00 pm	Lunch while on site visit
2:00 pm	Cost model and functional analysis (FAST diagram)
	Continue Investigation Phase
4:00 pm	Begin Speculation (Brainstorming)
+/-4:30 pm	Adjourn for the day

Tuesday Nov 12th

Objective for the day: Complete brainstorming and begin to evaluate ideas.

8:00 am	Continue Speculation Phase (Brainstorming)
10:00 am	Begin Evaluation Phase
12:00 pm	Lunch
1:00 pm	Return to Speculation Phase
2:00 pm	Continue Evaluation Phase
4:30 pm	Adjourn for the day

Wednesday Nov 13th

Objective for the day: Develop alternatives.

8:00 am	Continue Evaluation Phase – Begin Development Phase
10:00 am	Mid-point review (Project Manager and VE Team Leader)
12:00 pm	Lunch
1:00 pm	Continue Development Phase
4:30 pm	Adjourn for the day

Thursday Nov 14th

Objective for the day: Develop and evaluate performance.

8:00 am	Continue Development
12:00 pm	Lunch
1:00 pm	Complete Proposal Development and team review
	Define, and evaluate performance of proposals
	Prepare Presentation
4:30 pm	Adjourn for the day

Friday Nov 15th

Objective for the day: Develop and present solutions.

8:00 am	Review final recommendations
8:30 am	Team revise and rehearse presentation
10:00 am	Presentation of solutions developed

VE Study Attendees
International Bridge Trade Corridor

2013 November					NAME	ORGANIZATION	POSITION/DISCIPLINE	TELEPHONE	CELL
11	12	13	14	15				E-MAIL	
				✓	Alvarez, Pedro	TxDOT			
								pedro.alvarez@txdot.gov	
✓	✓	✓	✓	✓	Baez, Gustavo	Baez Consulting	Toll Ops Consulting	956.702.6180	
								gustavo.baez@txdot.gov	
✓	✓	✓	✓	✓	Buffington, Lori	HDR	Team Assistant	503.423.3893	503.260.3167
								lori.buffington@hdrinc.com	
				✓	Burleson, Dennis	HCRMA Board	Chairman	956.402.4762	
								dburleson@hcrma.net	
✓	✓	✓	✓	✓	Darnold, Tom	Dannenbaum	Traffic Engineering	281.630.2814	
								thomas.darnold@dannebaum.com	
✓	✓	✓	✓	✓	Davila, Eric	Dannenbaum	Project Development/Cost Analysis	956.682.3677	956.605.8193
								eric.davila@dannenbaum.com	
✓	✓				Flores, Alejandro	Dannenbaum	H&H	713.520.9570	713.724.5031
								al.flores@dannenbaum.com	
✓	✓	✓	✓	✓	Galindo, David	Dannenbaum	Project Development/Cost Analysis	956.682.3677	
								david.galindo@dannenbaum.com	
✓	✓	✓	✓	✓	Garza, Norma	TxDOT	Advance Planning	956.702.6180	
								norma.garza@txdot.gov	
✓	✓	✓		✓	Jones, Louis	Dannenbaum	Program Manager	956.682.3677	832.771.4904
								louis.jones@dannenbaum.com	

VE Study Attendees
International Bridge Trade Corridor

2013 November					NAME	ORGANIZATION	POSITION/DISCIPLINE	TELEPHONE	CELL
11	12	13	14	15				E-MAIL	
✓	✓	✓	✓	✓	Lopez, Gustavo	Dannenbaum	QA/QC	956.682.3677	956.929.7782
								gustavo.lopez@dannenbaum.com	
✓	✓	✓	✓	✓	Maksoud, Michel	Dannenbaum	Bridge/Retaining Walls	713.520.9570	
								michel.maksoud@dannenbaum.com	
✓	✓	✓	✓	✓	Owings, Don	HDR	Team Leader/Facilitation	503.423.3856	360.601.3061
								donald.owings@hdrinc.com	
		✓			Rios, Robert	Dannenbaum			
								robert.rios@dannenbaum.com	
✓				✓	Rodriguez, Pilar	HCRMA	Executive Director	956.402.4762	
								prodriguez@hcrma.net	
✓	✓	✓	✓	✓	Saldivar, Griselda	TxDOT		956.702.6180	
								griselda.saldivar@txdot.com	
✓		✓	✓	✓	Saldivar, Samuel	HDR	Civil Engineer	361.696.3325	361.793.5735
								samuel.saldivar@hdrinc.com	
✓	✓	✓	✓	✓	Seitz, Richard	Dannenbaum			
								richard.seitz@dannenbaum.com	
✓	✓	✓	✓	✓	Stone, Robert	Atkins	Toll Ops Consulting	407.647.7275	
								robert.stone@atkinsglobal.com	

Appendix C

VE Recommendation Approval Form

Appendix C. VE Recommendation Approval Form

To: _____ VE Study Date: November 11–15, 2013

Subject: _____ Facilitator: Don Owings

Limits: _____ CVS Firm: HDR Engineering, Inc.

CSJ(s): _____

EXECUTIVE DECISION SUMMARY
VE Team Recommendations

VE Team Recommendation No. 1: [Recommendation Title]

Comments: _____

Approval: _____
Transportation Planning and Development Engineer

Approval: _____
District Design Engineer

Approval: _____
District Engineer

Appendix D

Project Estimate

IBTC - STANDARD PAVEMENT DESIGN

Estimated Length of IBTC: 11.56 Miles

Estimated Length of IBTC East Leg: 2.54 Miles

Estimated Total 14 Miles

County Hidalgo **CSJ:**

Limits: Sta 0+00.00

Sta 0+00.00 **Revised Date:** December 9, 2013

Estimated Letting Date:

Prepared By

ITEM No.	DESC CODE		UNITS	QUANTITY	AGREED UNIT BID PRICE	Agreed Bid Price Unit Cost AMOUNT
		ROADWAY				
100	2002	PREPARING ROW	STA	822	$1,500.00	$1,233,000.00
106	2001	OBLITERATING ABANDONED ROAD	STA	9	$1,000.00	$9,000.00
110	2001	EXCAVATION (ROADWAY)	CY	362,219	$5.00	$1,811,095.00
110	2002	EXCAVATION (CHANNEL)	CY	116,288	$4.00	$465,152.00
132	2006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	CY	3,088,650	$4.00	$12,354,600.00
164	2035	DRILL SEEDING (PERM) (RURAL) (CLAY)	SY	1,690,000	$0.10	$169,000.00
164	2041	DRILL SEEDING (TEMP) (WARM)	SY	1,690,000	$0.10	$169,000.00
168	2001	VEGETATIVE WATERING	MG	26,364	$10.00	$263,640.00
204	2003	SPRINKLING (DUST CONTROL)	MG	2,736	$4.00	$10,944.00
247	2225	FL BS (RDWY DEL)(TY E GR 4)(FNAL POS)	CY	437,175	$15.00	$6,557,625.00
260	xxxx	LIME TRT (NEW BASE) (20")	SY	667,564	$2.00	$1,335,128.00
260	2011	LIME TRT (EXST MATL) (12")	SY	1,003,950	$1.30	$1,305,135.00
260	2015	LIME TRT (NEW BASE)(8")	SY	298,378	$1.30	$387,891.40
260	2016	LIME (HYD, COM, OR QK(SLURRY))	TON	39,604	$140.00	$5,544,560.00
310	2001	PRIME COAT (MC-30)	GAL	177,669	$4.50	$799,510.50
316	2706	ASPH (TIER II)	GAL	100,224	$3.10	$310,694.40
316	2722	AGGR (GR 4P)	CY	2,864	$64.00	$183,296.00
340	2135	D-GR HMA(METH) TY-D SAC-A PG76-22	TON	159,910	$75.00	$11,993,250.00
340	2239	D-GR HMA(METH) TY-B SAC-B PG64-22	TON	165,770	$70.00	$11,603,900.00
400	2001	STRUCT EXCAV	CY	34,395	$3.00	$103,185.60
400	2005	CEM STABIL BKFL	CY	13,251	$50.00	$662,560.00
400	2006	CUT & RESTORING PAV	SY	555	$60.00	$33,318.00
400	2007	STRUCT EXCAV (SPECIAL)	CY	2,071	$26.20	$54,265.44
402	2001	TRENCH EXCAVATION PROTECTION	LF	10,557	$1.35	$14,251.95
416	2002	DRILL SHAFT (24 IN)	LF	205	$120.00	$24,624.00
416	2003	DRILL SHAFT (30 IN)	LF	730	$114.00	$83,265.60
416	2015	DRILL SHAFT (NON-REINFORCED)(12 IN)	LF	364	$26.00	$9,453.60
416	2018	DRILL SHAFT (SIGN MTS)(24 IN)	LF	507	$73.60	$37,329.92
416	2020	DRILL SHAFT (SIGN MTS)(36 IN)	LF	637	$147.90	$94,182.72
416	2023	DRILL SHAFT (SIGN MTS)(54 IN)	LF	33	$302.10	$10,059.93
416	2032	DRILL SHAFT (TRF SIG POLE) (36 IN)	LF	119	$180.00	$21,384.00
416	2033	DRILL SHAFT (TRF SIG POLE) (42 IN)	LF	157	$150.00	$23,490.00

IBTC - STANDARD PAVEMENT DESIGN

Estimated Length of IBTC: 11.56 Miles

Estimated Length of IBTC East Leg: 2.54 Miles

Estimated Total 14 Miles

County Hidalgo **CSJ:**

Limits: Sta 0+00.00

Sta 0+00.00 **Revised Date: December 9, 2013**

Estimated Letting Date:

Prepared By

ITEM No.	DESC CODE		UNITS	QUANTITY	AGREED UNIT BID PRICE	Agreed Bid Price Unit Cost AMOUNT
423	2001	RETAINING WALL (MSE)	SF	425,380	$30.00	$12,761,400.00
432	2066	RIPRAP (CONC)(CL B)	CY	351	$380.00	$133,380.00
442	2015	STR STL (MISCELLANEOUS)(DOMESTIC)	LB	27,454	$4.00	$109,817.60
450	2013	RAIL (TY SSTR)	LF	28,468	$30.00	$854,040.00
462	2009	CONC BOX CULV (5 FT X 5 FT)	LF	1,726.00	$250.00	$431,500.00
462	2005	CONC BOX CULV (4 FT X 4 FT)	LF	2,066.00	$160.00	$330,560.00
462	2013	CONC BOX CULV (6 FT X 6 FT)	LF	880.00	$300.00	$264,000.00
464	2011	RC PIPE (CL III)(48 IN)	LF	290.00	$150.00	$43,500.00
462	2011	CONC BOX CULV (6 FT X 4 FT)	LF	3,228.00	$200.00	$645,600.00
464	2009	RC PIPE (CL III)(36 IN)	LF	1,636.00	$80.00	$130,880.00
464	2090	RC PIPE (CL III)(24 IN)(SPL)	LF	720	$40.00	$28,800.00
464	2091	RC PIPE (CL III)(30 IN)(SPL)	LF	781	$60.00	$46,872.00
464	2093	RC PIPE (CL III)(42 IN)(SPL)	LF	90	$100.00	$9,000.00
464	2095	RC PIPE (CL III)(54 IN)(SPL)	LF	493	$200.00	$98,560.00
462	2004	CONC BOX CULV (4 FT X 3 FT)	LF	1,058.00	$160.00	$169,280.00
462	2020	CONC BOX CULV (8 FT X 5 FT)	LF	395.00	$450.00	$177,750.00
462	2010	CONC BOX CULV (6 FT X 3 FT)	LF	415.00	$250.00	$103,750.00
462	2034	CONC BOX CULV (10 FT X 10 FT)	LF	520.00	$400.00	$208,000.00
465	2001	INLET (COMPL)(TY C)	EA	14	$3,500.00	$50,400.00
465	2003	INLET (COMPL)(TY H)	EA	35	$3,000.00	$105,600.00
465	2005	MANH (COMPL)(TY M)	EA	38	$3,806.00	$146,150.40
465	2225	INLET (COMPL)(TY L2)	EA	20	$2,000.00	$39,600.00
466	2047	WINGWALL (PW)(HW=3 FT)	EA	13	$5,540.00	$70,912.00
466	2048	WINGWALL (PW)(HW=4 FT)	EA	14	$6,005.00	$86,472.00
466	2049	WINGWALL (PW)(HW=5 FT)	EA	8	$7,500.00	$60,000.00
466	2050	WINGWALL (PW)(HW=6 FT)	EA	2	$9,500.00	$19,000.00
466	2054	WINGWALL (PW)(HW=10 FT)	EA	2	$28,000.00	$56,000.00
466	2131	HEADWALL (CH-PW-0)(DIA= 48 IN)	EA	12	$5,500.00	$66,000.00
466	2132	HEADWALL (CH-PW-0)(DIA= 54 IN)	EA	4	$8,000.00	$32,000.00
467	2178	SET (TY I)(S= 4 FT)(HW= 4 FT)(6:1)(P)	EA	28	$5,500.00	$154,000.00
467	2288	SET (TY II)(24 IN)(RCP)(6:1)(P)	EA	222	$850.00	$189,040.00
467	2290	SET (TY II)(30 IN)(RCP)(6:1)(P)	EA	16	$1,100.00	$17,600.00
467	2292	SET (TY II)(36 IN)(RCP)(6:1)(P)	EA	6	$3,000.00	$18,000.00
467	2293	SET (TY II)(42 IN)(RCP)(6:1)(P)	EA	2	$3,500.00	$7,000.00

IBTC - STANDARD PAVEMENT DESIGN

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Estimated Length of IBTC East Leg: 2.54 Miles

Estimated Total 14 Miles

County Hidalgo **CSJ:**

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502	2001	BARRICADES, SIGNS AND TRAFFIC HANDLING	MO	48	$6,500.00	$312,000.00
1122	2017	CONSTRUCTION EXITS (INSTALL) (TY 2)	SY	1,057	$20.00	$21,140.00
1122	2019	CONSTRUCTION EXITS (REMOVE)	SY	1,057	$8.00	$8,456.00
1122	2026	FRNT END LOADER WORK (ERSN & SEDM CONT)	HR	39	$100.00	$3,900.00
1122	2037	TEMPORARY SEDIMENT CONTROL FENCE	LF	32,000	$2.40	$76,800.00
508	2001	CONSTRUCTING DETOURS	STA	48	$5,000.00	$240,000.00
512	2002	PORT CTB (FUR & INST)(SAFETY SH)(TY 2)	LF	7,006	$50.00	$350,280.00
512	2020	PORT CTB (MOVE)(SAFETY SH)(TY 2)	LF	5,544	$3.00	$16,632.00
512	2038	PORT CTB (REMOVE)(SAFETY SH)(TY 2)	LF	7,006	$5.00	$35,028.00
529	2019	CONC CURB & GUTTER (TY B)(MOUNTABLE)	LF	16,000	$9.00	$144,000.00
530	2008	DRIVEWAYS (ACP)	EA	59	$1,800.00	$105,300.00
540	2001	MTL W-BEAM GD FEN (TIM POST)	LF	14,400	$16.00	$230,400.00
540	2011	MTL BEAM GD FEN TRANS (THRIE-BEAM)	EA	100	$1,300.00	$130,000.00
544	2001	GUARDRAIL END TREATMENT (INSTALL)	EA	100	$2,000.00	$200,000.00
545	2001	CRASH CUSH ATTEN (INSTL)	EA	3	$12,000.00	$36,000.00
545	2003	CRASH CUSH ATTEN (REMOVE)	EA	3	$1,000.00	$3,000.00
610	xxxx	INS RD IL AM (TY SA) 40S-10-10 (.25 KW)S	EA	137	$2,000.00	$273,600.00
618	2018	CONDT (PVC) (SCHD 40) (2")	LF	60,800	$4.50	$273,600.00
620	2011	ELEC CONDR (NO. 8) BARE	LF	60,800	$0.85	$51,680.00
620	2012	ELEC CONDR (NO. 8) INSULATED	LF	121,600	$0.80	$97,280.00
624	2008	GROUND BOX TY A (122311) W/APRON	EA	38	$520.00	$19,760.00
628	2017	ELC SRV TY A 240/480 060 (NS)SS(E)SP(O)	EA	13	$4,000.00	$53,200.00
636	2001	ALUMINUM SIGNS (TY A)	SF	857	$25.00	$21,420.00
636	2002	ALUMINUM SIGNS (TY G)	SF	5,418	$20.00	$108,360.00
636	2003	ALUMINUM SIGNS (TY O)	SF	768	$22.00	$16,896.00
644	2042	IN SM RD SN SUP&AM TYS80(2)SA(P)	EA	152	$550.00	$83,600.00
644	2025	IN SM RD SN SUP&AM TYS80(1)SA(T)	EA	268	$500.00	$134,000.00
644	2027	IN SM RD SN SUP&AM TYS80(1)SA(U)	EA	35	$560.00	$19,600.00
644	2028	IN SM RD SN SUP&AM TYS80(1)SA(U-1EXT)	EA	33	$700.00	$23,100.00
644	2029	IN SM RD SN SUP&AM TYS80(1)SA(U-2EXT)	EA	33	$600.00	$19,800.00
647	2001	INSTALL LRSS (STRUCT STEEL)	LB	32,320	$4.00	$129,280.00
650	2103	INS OH SN SUP(100 FT BRDG)	EA	6	$32,000.00	$204,800.00
658	2316	INSTL OM ASSM (OM-2Z)(FLX)GND	EA	114	$48.00	$5,472.00
662	2001	WK ZN PAV MRK NON-REMOV (W) 4" (BRK)	LF	2,003	$0.30	$600.90

IBTC - STANDARD PAVEMENT DESIGN

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662	2004	WK ZN PAV MRK NON-REMOV (W) 4" (SLD)	LF	16,022	$0.40	$6,408.80
662	2113	WK ZN PAV MRK SHT TERM (TAB) TY W	EA	6,200	$0.60	$3,720.00
662	2114	WK ZN PAV MRK SHT TERM (TAB) TY Y	EA	5,480	$1.05	$5,754.00
666	2003	REFL PAV MRK TY I (W) 4" (BRK)(100MIL)	LF	49,730	$0.40	$19,892.00
666	2012	REFL PAV MRK TY I (W) 4" (SLD)(100MIL)	LF	229,196	$0.40	$91,678.40
666	2036	REFL PAV MRK TY I (W) 8" (SLD)(100MIL)	LF	22,700	$0.80	$18,160.00
666	2048	REFL PAV MRK TY I (W) 24"(SLD)(100MIL)	LF	5,772	$6.20	$35,786.40
666	2105	REFL PAV MRK TY I (Y) 4" (BRK)(100MIL)	LF	7,690	$0.40	$3,076.00
666	2111	REFL PAV MRK TY I (Y) 4" (SLD)(100MIL)	LF	195,298	$0.40	$78,119.36
666	2123	REFL PAV MRK TY I (Y) 8" (SLD)(100MIL)	LF	2,100	$1.00	$2,100.00
668	2064	PREFAB PAV MRK TY B (W) (ARROW)	EA	28	$290.00	$8,120.00
668	2073	PREFAB PAV MRK TY B (W) (UTURN ARROW)	EA	14	$350.00	$4,900.00
668	2074	PREFAB PAV MRK TY B (W) (WORD)	EA	28	$400.00	$11,200.00
672	2015	REFL PAV MRKR TY II-A-A	EA	187	$3.50	$654.50
672	2017	REFL PAV MRKR TY II-C-R	EA	2,492	$3.50	$8,722.00
680	2002	INSTALL HWY TRF SIG (ISOLATED)	EA	5	$16,000.00	$72,000.00
682	2001	BACK PLATE (12 IN) (3 SEC)	EA	50	$85.00	$4,250.00
682	2003	BACK PLATE (12 IN) (5 SEC)	EA	10	$120.00	$1,200.00
682	2014	PED SIG SEC (12 IN) LED (2 INDICATIONS)	EA	60	$400.00	$24,000.00
682	2021	VEH SIG SEC (12 IN) LED (HOUSING ONLY)	EA	232	$120.00	$27,840.00
682	2022	VEH SIG SEC (12 IN) LED (GRN ARW)	EA	10	$180.00	$1,800.00
682	2023	VEH SIG SEC (12 IN) LED (GRN)	EA	90	$190.00	$17,100.00
682	2024	VEH SIG SEC (12 IN) LED (YEL ARW)	EA	10	$190.00	$1,900.00
682	2025	VEH SIG SEC (12 IN) LED (YEL)	EA	90	$190.00	$17,100.00
682	2027	VEH SIG SEC (12 IN) LED (RED)	EA	90	$180.00	$16,200.00
684	2010	TRF SIG CBL (TY A) (12 AWG) (5 CONDR)	LF	21,115	$1.75	$36,951.25
684	2012	TRF SIG CBL (TY A) (12 AWG) (7 CONDR)	LF	1,995	$1.85	$3,690.75
684	2080	TRF SIG CBL (TY C) (14 AWG) (2 CONDR)	LF	20,025	$1.05	$21,026.25
686	2035	INS TRF SIG PL AM(S) 1 ARM (36')	EA	8	$5,000.00	$40,000.00
686	2163	INS TRF SIG PL AM(S) 2 ARM (44-36')	EA	8	$10,000.00	$80,000.00
687	2001	PED POLE ASSEMBLY	EA	40	$1,200.00	$48,000.00
688	2001	PED DETECT (2 INCH PUSH BTN)	EA	60	$100.00	$6,000.00
688	2002	VEH LP DETECT (SAWCUT)	LF	16,350	$4.50	$73,575.00
4035	2006	RC LOW HEAD PRSSR PIPE (CL III)(30IN)	LF	8,668	$75.00	$650,100.00

IBTC - STANDARD PAVEMENT DESIGN

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4027	xxxx	IRRIGATION VALVE (12IN)	EA	54	$2,000.00	$108,000.00
4061	2009	IRRIGATION WELL (30")	EA	54	$3,000.00	$162,000.00
4061	2016	IRRIGATION GATE (30")	EA	54	$5,000.00	$270,000.00
6834	2002	PORTABLE CHANGEABLE MESSAGE SIGN	EA	5	$10,000.00	$50,000.00
						$80,822,265.67
					LANDSCAPE-ARCHITECTURAL 1% ROADWAY SUBTOTAL	$808,222.66
		BRIDGE				
(1) SH 365 WBNB						
		WN DC BRIDGE	SF	8,221	$55.00	$452,155.00
						$452,155.00
(2) SH 365 WBNB						
		WN DC BRIDGE	SF	6,309	$55.00	$346,995.00
						$346,995.00
(3) SH 365 SBEB						
		SE DC BRIDGE	SF	109,331	$65.00	$7,106,515.00
						$7,106,515.00
(4) SH 365 WBSB						
		WS DC BRIDGE	SF	29,917	$65.00	$1,944,605.00
						$1,944,605.00
(5) SH 365 WBSB						
		WS DC BRIDGE	SF	8,096	$55.00	$445,280.00
						$445,280.00
(6) SH 365 NBEB						
		NE DC BRIDGE	SF	9,290	$55.00	$510,950.00
						$510,950.00
(7) SH 365 NBEB						
		NE DC BRIDGE	SF	8,089	$55.00	$444,895.00
						$444,895.00
(8) IBTC WB FRTG RD						
		BRIDGE	SF	5,289	$55.00	$290,895.00
						$290,895.00

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(9) IBTC EB FRTG RD						
		BRIDGE	SF	5,600	$55.00	$308,000.00
						$308,000.00
(10) FM 2557						
		BRIDGE	SF	13,457	$55.00	$740,135.00
						$740,135.00
(11) FM 2557						
		BRIDGE	SF	13,458	$55.00	$740,190.00
						$740,190.00
(12) ALAMO RD NB OVERPASS						
		BRIDGE	SF	11,680	$55.00	$642,400.00
						$642,400.00
(13) ALAMO RD SB OVERPASS						
		BRIDGE	SF	11,680	$55.00	$642,400.00
						$642,400.00
(14) TOWER RD OVERPASS NB						
		BRIDGE	SF	11,680	$55.00	$642,400.00
						$642,400.00
(15) TOWER RD OVERPASS SB						
		BRIDGE	SF	11,680	$55.00	$642,400.00
						$642,400.00
(16) HCDD#1 MAIN DRAIN NB ML BRIDGE						
		BRIDGE	SF	5,553	$55.00	$305,415.00
						$305,415.00
(17) HCDD#1 MAIN DRAIN SB ML BRIDGE						
		BRIDGE	SF	5,554	$55.00	$305,470.00
						$305,470.00
(18) FLOODWAY NB BRIDGE						
		BRIDGE	SF	172,330	$55.00	$9,478,150.00
						$9,478,150.00
(19) FLOODWAY SB BRIDGE						
		BRIDGE	SF	172,330	$55.00	$9,478,150.00
		BRIDGE				**$9,478,150.00**

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(20) VALLEY VIEW RD OVERPASS NB						
			SF	16,615	$55.00	$913,825.00
						$913,825.00
(21) VALLEY VIEW RD OVERPASS SB						
		BRIDGE	SF	16,615	$55.00	$913,825.00
						$913,825.00
(22) IRRIGATION CANAL DONNA RESERVOIR NB BRIDGE						
		BRIDGE	SF	2,962	$55.00	$162,910.00
						$162,910.00
(23) IRRIGATION CANAL DONNA RESERVOIR SB BRIDGE						
		BRIDGE	SF	2,962	$55.00	$162,910.00
						$162,910.00
(24) DONNA RESERVOIR NB BRIDGE						
		DONNA RESERVOIR	SF	28,022	$55.00	$1,541,210.00
						$1,541,210.00
(25) DONNA RESERVOIR SB BRIDGE						
		DONNA RESERVOIR	SF	28,022	$55.00	$1,541,210.00
						$1,541,210.00
(26) BUS US 83/RAILROAD NB BRIDGE						
		BRIDGE	SF	52,480	$55.00	$2,886,400.00
						$2,886,400.00
(27) BUS US 83/RAILROAD SB BRIDGE						
		BRIDGE	SF	52,479	$55.00	$2,886,345.00
						$2,886,345.00
(28) BORDER RD UNDERPASS						
		BRIDGE	SF	15,640	$55.00	$860,200.00
						$860,200.00
(29) IBTC WBSBDC BRIDGE STA 571+63 TO 579+85						
		BRIDGE	SF	21,272	$65.00	$1,382,680.00
						$1,382,680.00
(30) IBTC WBSBDC BRIDGE STA 593+29 TO 595+79						
		BRIDGE	SF	6,071	$65.00	$394,615.00
						$394,615.00

IBTC - STANDARD PAVEMENT DESIGN

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ITEM No.	DESC CODE		UNITS	QUANTITY	AGREED UNIT BID PRICE	Agreed Bid Price Unit Cost AMOUNT
(31) IBTC SBEBDC BRIDGE STA8+50 TO 17+98						
		BRIDGE	SF	28,499	$55.00	$1,567,445.00
						$1,567,445.00
(32) DC BRIDGE US 83 EB SB						
		DC BRIDGE US 83	SF	20,209	$55.00	$1,111,495.00
						$1,111,495.00
(33) DC BRIDGE US 83 NB WB						
		DC BRIDGE US 83	SF	48,887	$65.00	$3,177,655.00
						$3,177,655.00
(34) DC BRIDGE US 83 NB EB						
		DC BRIDGE US 83	SF	18,714	$65.00	$1,216,410.00
						$1,216,410.00
					BRIDGES TOTAL	**$56,186,535.00**
					ROADWAY & BRIDGES SUBTOTAL	**$137,817,023.33**
					Contingencies (10% ROADWAY, BRIDGE & CONTINGENCIES) SUBTOTAL	**$13,781,702.33**
					Mobilization (6%)	**$9,095,923.54**
					TOLLING EQUIPMENT	**$10,508,200.00**
					CONSTRUCTION COST TOTAL =	**$171,202,849**

Appendix E

Design Considerations and Validation

Appendix E. Design Considerations and Validation

DESIGN CONSIDERATION 1: Simplify Bridge Aesthetics	Idea No. 4

Original Concept

Bridge aesthetics are slated to follow the RMA's aesthetic design guidelines.

Suggested Concept

Simplify the bridge aesthetics.

Advantages	Disadvantages
• Reduces cost • Simplifies construction	• May not be acceptable to the RMA

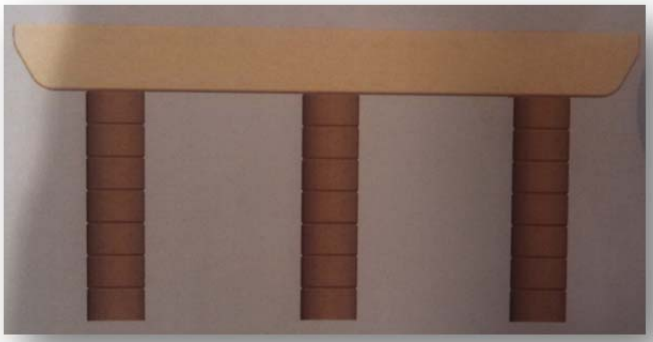
Discussion

It is unknown if the current base estimate includes bridge aesthetics. There are different requirements between RMA and TxDOT. The VE team was unable to determine if RMA or TxDOT aesthetic requirements are included n the base estimate.

Negative impacts of simplifying aesthetics are not as great as the benefit of the reduced cost. TxDOT enjoys one of the lowest costs per square foot of new bridge construction in the country. They were able to build economical bridges in part by using standardized, simplified, and time tested details.

There are different levels of aesthetic treatment that can be developed and used. The more intricate the scheme, the more expensive it is to implement it. Schemes are typically divided between high visibility and low visibility.

An example bent from the HCRMA's Aesthetic design guidelines for low visibility bridges is shown at right.



DESIGN CONSIDERATION 1: Simplify Bridge Aesthetics	Idea No. 4

An example bent from the HCRMA's Aesthetic design guidelines for high visibility bridges is shown below left, and an example bent from the Green Ribbon Project is shown at right.

Below is an idea that could be used to simplify bridge aesthetics.

DESIGN CONSIDERATION 2: Replace Bridges with Culverts	Idea No. 8

Original Concept

The base concept is to construct bridges over the existing drainage ditch at STA 455+00.

Suggested Concept

Replace bridges with culverts–STA 455+00 (drainage ditch) and STA 675+00 (irrigation canals)

Advantages	Disadvantages
• Reduces cost • Reduces construction time	• Constructibility–could potentially require rerouting for construction • Construction windows (canals) • May have stakeholder opposition

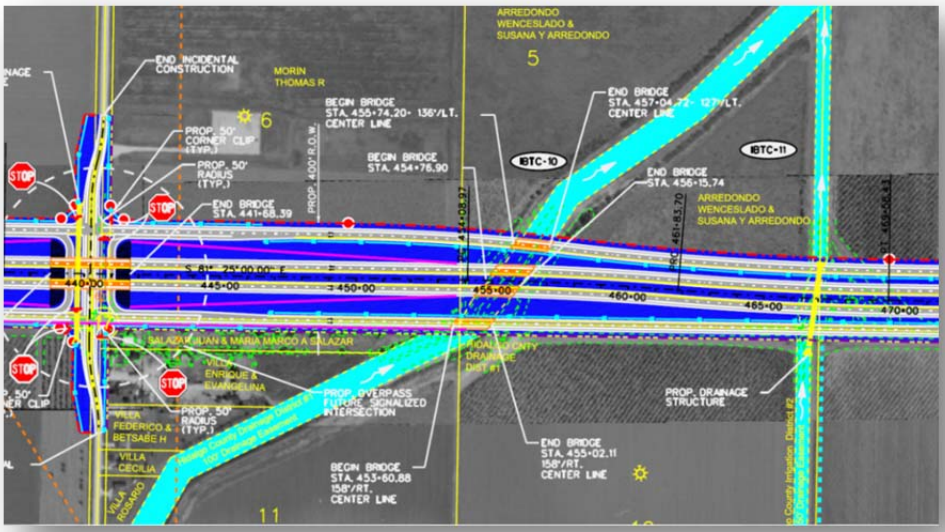
Discussion

REPLACEMENT OF PROPOSED BRIDGES WITH BOX CULVERTS

NOTE: Hydraulic analysis needs to be done to determine actual culvert sizes and type and stakeholder approval will be required

A. Replace Bridges Over Drainage Ditch at STA 455+00 With Multiple Box Culverts

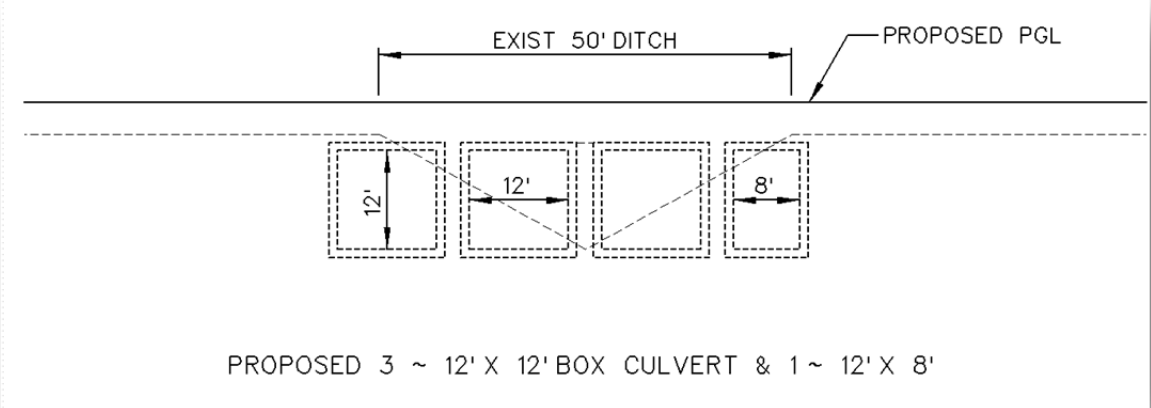
Base concept is to construct bridges over the existing drainage ditch at Sta 455+00.



DESIGN CONSIDERATION 2: Replace Bridges with Culverts	Idea No. 8

The existing drainage ditch is approximately 50 feet wide at the top, 14 feet deep, and 20 feet wide at the bottom.

The alternative is to replace the bridges with multiple precast box culverts consisting of three 12'x12' culverts and one 8'x12' culvert.



The box design is based on matching an assumed waterway area.

Construction of the box culverts would require the demucking of the existing drainage ditch channel, preparing the base to receive the boxes, placement of the boxes, and backfilling of the boxes. Major cost items are the backfill, precast boxes, and increase in pavement quantities required by the deletion of the bridges.

Construction of the bridges requires the installation of drilled shaft and construction of the bridge caps, girders, and deck. It is estimated that construction of the box culverts will require approximately half the time required constructing the bridges.

It is assumed the embankment for the bridge approaches will be twice that required for the backfill of the box culverts. This will result in a reduction of the overall embankment required for the roadways in the base concept; however, this quantity is not being included in the cost differential at this time.

RECOMMENDATION:

DESIGN CONSIDERATION 2: Replace Bridges with Culverts	Idea No. 8

Based on a cost comparison of the base concept and the proposed alternative shows that the box culvert alternative is significantly lower in cost, reduces the overall construction schedule, and improves the alignment of the roadway, it is therefore recommended that the base concept of constructing bridges over the drainage be replaced with the box culvert alternative consisting of three 12' x 12' and one 8' x 12' precast concrete culverts.

Replacing the Bridge over the drainage ditch with multiple box culverts at Sta 455+00

Dimensions of Existing Drainage Ditch					Multiple Box Culvert Alternative				
top width	bottom width	depth	side slopes	Cross-Sectional					
W	B	d	X:X	A	No.	Span	Rise	Area	Length
(ft)	(ft)	(ft)		Sq Ft		(ft)	(ft)	Sq Ft	(ft)
50	20	15	1:1	525	3	12	12	432	500
					1	8	12	96	500
					4			528	

Multiple Box Culverts (Alternative)					
3 ~ 12' x 12' precast box culve	######	per LF	500 LF ea for total cost of	$	430,000.00
1 ~ 8' x 12' precast box culvert	######	per LF	500 LF ea for total cost of	$	351,000.00
Mainlane & Frontage Road Pavement				$	94,127.80
			Grand total	**$**	**875,127.80**

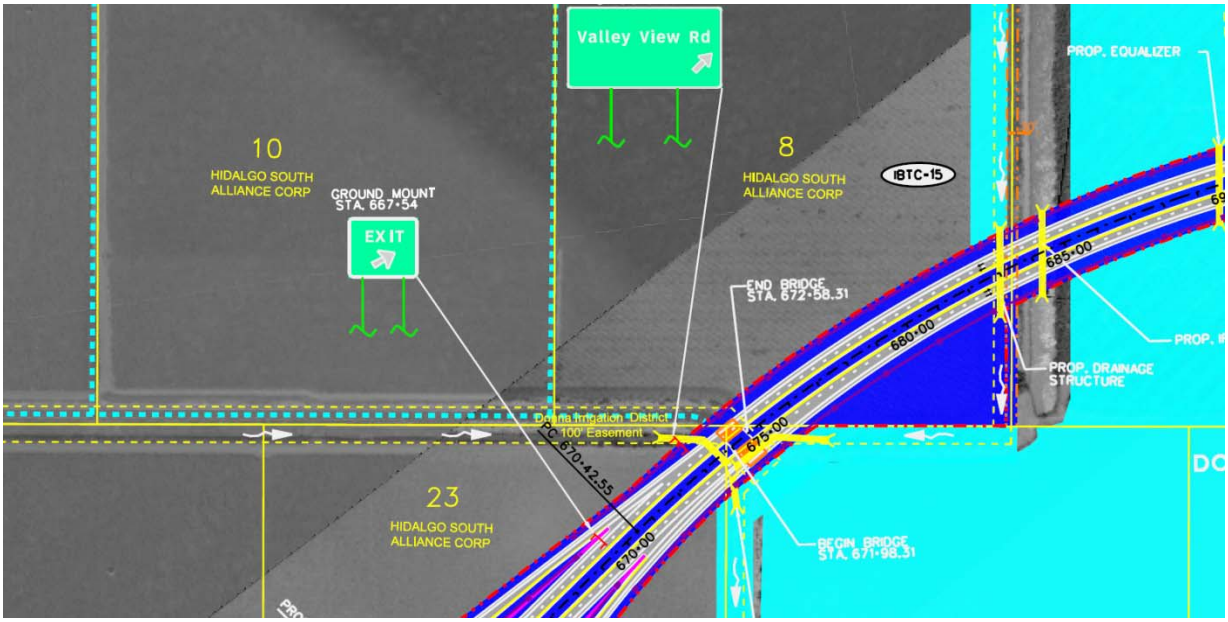
Estimate Bridge Cost (Base Concept)						
Mainlane Bridges	(2 each)	$	351,086.50	each bridge for total of	$	702,173.00
Ftr Rd Bridges	(2 each)	$	333,833.00	each bridge for total of	$	667,666.00
				Grand total	**$**	**1,369,839.00**

Difference $ (494,711.20)

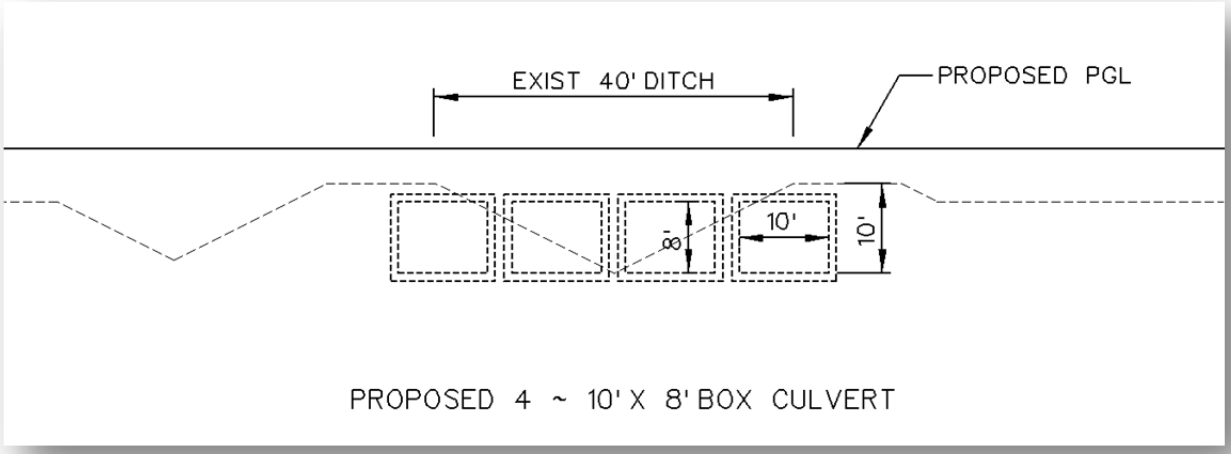
B. Replace Bridges at STA 675+00 (Irrigation Canals) with Box Culverts

DESIGN CONSIDERATION 2: Replace Bridges with Culverts	Idea No. 8

The base concept is to construct bridges over the existing drainage ditch at STA 675+00.



The size of the existing irrigation canal at STA 675+00 is unknown at this time; therefore, it is assumed that it is a V-ditch, approximately 40 feet wide at the top and 12 feet deep. Assuming an equal waterway opening , the multiple box culverts needed to convey the flow would require the use of three 12' x 12' and one 8' x12' precast box culverts.



Construction of the box culverts will require the demucking of the existing drainage ditch channel, preparing the base for the boxes, placement of the boxes and then backfilling the boxes. Major cost items are the backfill, precast boxes, and increase in pavement quantities required by the deletion of the bridges.

Construction of the bridges requires the installation of drilled shaft and construction of the bridge caps,

DESIGN CONSIDERATION 2: Replace Bridges with Culverts	Idea No. 8

girders, and deck. It is estimated that construction of the box culverts will require approximately half the time required constructing the bridges.

It is assumed that the embankment for the bridge approaches will be twice that required for the backfill of the box culverts. This will result in a reduction of the overall embankment required for the base project

RECOMMENDATION:

Based on a cost comparison of the base concept and the proposed alternative shows that the box culvert alternative is significantly lower in cost, reduces the overall construction schedule, and improves the alignment of the roadway, it is therefore recommended that the base concept of constructing bridges over the drainage be replaced with the box culvert alternative consisting of four 10 foot x 10 foot precast concrete culverts.

Replacing the Bridge over the irrigation canal with multiple box culverts at Sta 675+00

Dimensions of Existing Irrigation Canal					Multiple Box Culvert Alternative				
top of wtr	bottom width	depth	side slopes	Cross-Sectiona					
W	B	d	X:X	A	No.	Span	Rise	Area	Length
(ft)	(ft)	(ft)		Sq Ft		(ft)	(ft)	Sq Ft	(ft)
32	0	10	2:1	320	4	10	8	320	220
					4			320	

Multiple Box Culverts (Alternative)					
4~ 10' x 8' precast box culvert	######	per LF	220 LF ea for total cost of	$	171,600.00
Northbound & Southbound Roadway Pavement				$	94,467.30
			Grand total	**$**	**266,067.30**

Estimate Bridge Cost (Base Concept)					
Southbound Bridg (1each)	$	399,819.50	each bridge for total of	$	399,819.50
Northbound Bridg (1 each)	$	402,360.50	each bridge for total of	$	402,360.50
			Grand total	**$**	**802,180.00**

Difference $ (536,112.70)

DESIGN CONSIDERATION 3: Optimize Side Slopes	Idea No. 28

Original Concept

The baseline concept for maximum front slope rates is as follows:

Without longitudinal traffic barriers:

Front slopes – 6:1 within Clear Zone and 4:1 outside Clear Zone

With longitudinal traffic barriers (barrier for non-embankment needs only):

Front slopes – 4:1

Suggested Concept

The recommended concept for maximum front slope rates to reduce embankment are as follows;

Without longitudinal traffic barriers:

Front slopes – 4:1

With longitudinal traffic barriers (barrier for non-embankment needs only):

Front slopes – 3:1

Advantages	Disadvantages
• Reduced embankment • Reduced cost	• Slopes are harder to maintain

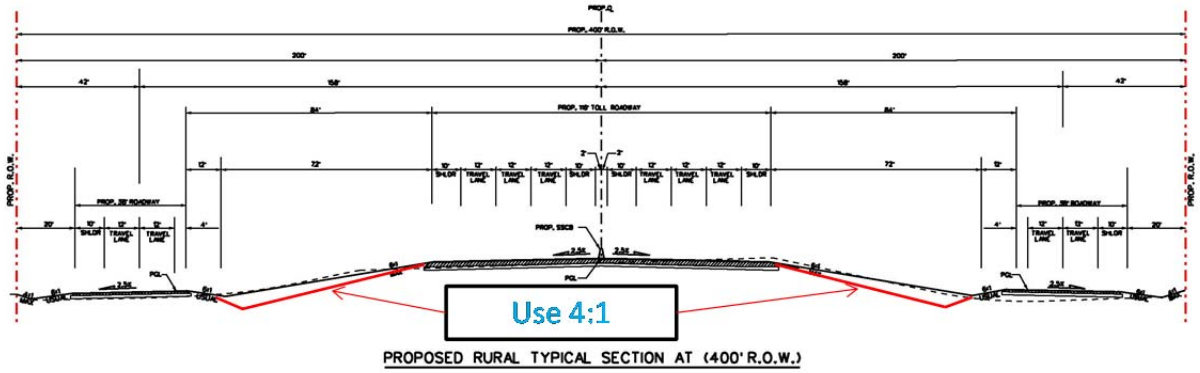
Discussion

The side slope adjacent to the shoulder is called the front slope. The front slope should be 6H:1V or flatter, although steeper slopes are acceptable in some locations.

Side slope rates of 4:1 (or flatter) are recoverable side slopes and facilitate efficient operation of construction and maintenance equipment. Section C-U depicts the use of 4:1 in lieu of 6:1 front slopes.

Side slope rates of 3:1 may be used in constrained conditions or where a barrier exists for other needs such as shielding bridge abutments and bridge headers. Section E depicts the use of 3:1 in lieu of 4:1 front slopes for bridge embankments shielded by barriers. A longitudinal barrier should not be used solely for slope protection for rates of 3:1 or flatter as the barrier may be more of an obstacle than the slope.

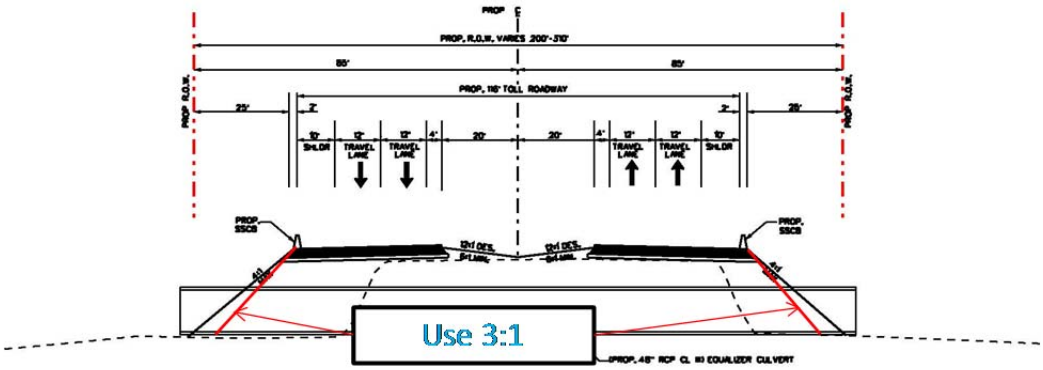
SECTION C-U



PROPOSED RURAL TYPICAL SECTION AT (400' R.O.W.)

DESIGN CONSIDERATION 3: Optimize Side Slopes	Idea No. 28

SECTION E



PROPOSED RURAL TYPICAL SECTION (VARIES R.O.W.)
AT SOUTH DONNA LAKE

DESIGN CONSIDERATION NO. 4: Evaluate Mainline Pavement Design	Idea Nos. 29 and 30

Original Concept

The preliminary mainline pavement design of the baseline concept is 7.5-inch asphaltic concrete pavement, 20-inch flexible base, and 12-inch lime stabilized subgrade for a non-overweight corridor concept based on the April 2010 letter from L&G Engineering.

Suggested Concept

The preliminary mainline pavement design of the recommended concept is 3-inch asphaltic concrete pavement, 7-inch asphalt treated base, 8-inch flexible base, and 12-inch lime stabilized subgrade for an overweight corridor concept based on TxDOT Pharr District's Construction Office.

Advantages	Disadvantages
• Potential cost reduction • Longer-lasting section • Allows overweight vehicles to travel north • Helps prevent cracking	• Increase cost • Would require legislative approvals • Performance – hasn't been used recently or evaluated

Discussion

The IBTC baseline concept is an approved pavement design for a non-overweight corridor concept based on an April 2010 L&G Engineering letter.

Subsequent to the SH 365 VE Study, the TxDOT Pharr District Construction Office prepared revised pavement designs for both non-overweight and overweight corridor concepts.

The IBTC recommended concept is using the TxDOT Pharr District Construction Office revised pavement design for an overweight corridor for both IBTC and SH 365.

IBTC Baseline Concept

Non-overweight Corridor Concept - Baseline Approved Pavement Design

7.5" asphaltic concrete pavement
20" flexible base
12" lime stabilized subgrade

The full structural pavement section is built (less routine maintenance overlay(s)) at the time of initial construction.

SH 365 Revised Concept (Post- VE Study)

Non-overweight Corridor Concept - Revised Pavement Design

3.0" asphaltic concrete pavement
8.0" asphalt treated base
12" lime stabilized subgrade

The full structural pavement section is built (less routine maintenance overlay(s)) at the time of initial construction.

Overweight Corridor Concept - Revised Pavement Design

3.0" asphaltic concrete pavement
7.0" asphalt treated base
8.0" flexible base
12" lime stabilized subgrade

The full structural pavement section is built (less routine maintenance overlay(s)) at the time of initial construction.

Consistent IBTC and SH 365 Recommended Concept

Overweight Corridor Concept - Recommended Pavement Design

3.0" asphaltic concrete pavement

DESIGN CONSIDERATION NO. 4: Evaluate Mainline Pavement Design	Idea Nos. 29 and 30

7.0" asphalt treated base

8.0" flexible base

12" lime stabilized subgrade

The full structural pavement section is built (less routine maintenance overlay(s)) at the time of initial construction.

IBTC PAVEMENT COST COMPARISON

ORIGINAL PAVEMENT DESIGN-MAINLANES & FRONTAGE ROADS

ITEM No.	DESC CODE	ITEM DESCRIPTION	UNITS	QUANTITY	AGREED UNIT BID PRICE	Agreed Bid Price Unit Cost AMOUNT
247	2225	FL BS (RDWY DEL)(TY E GR 4)(FNAL POS)	CY	441,458	$15.00	$6,621,870.00
260	xxxx	LIME TRT (NEW BASE) (20")	SY	649,066	$2.00	$1,298,132.00
260	2011	LIME TRT (EXST MATL) (12")	SY	1,064,528	$1.30	$1,383,886.40
260	2015	LIME TRT (NEW BASE)(8")	SY	363,895	$1.30	$473,063.50
260	2016	LIME (HYD, COM, OR QK(SLURRY))	TON	37,864	$140.00	$5,300,960.00
310	2001	PRIME COAT (MC-30)	GAL	125,838	$4.50	$566,271.00
316	2706	ASPH (TIER II)	GAL	155,622	$3.10	$482,428.20
316	2722	AGGR (GR 4P)	CY	4,447	$64.00	$284,608.00
340	2135	D-GR HMA(METH) TY-D SAC-A PG76-22	TON	177,674	$75.00	$13,325,550.00
340	2239	D-GR HMA(METH) TY-B SAC-B PG64-22	TON	158,115	$70.00	$11,068,050.00
					TOTAL	$40,804,819.10

ROADWAY MAINLANES ONLY - BLACK BASE DESIGN

ITEM No.	DESC CODE	ITEM DESCRIPTION	UNITS	QUANTITY	AGREED UNIT BID PRICE	Agreed Bid Price Unit Cost AMOUNT
247	2225	FL BS (RDWY DEL)(TY E GR 4)(FNAL POS)	CY	144,010	$15.00	$2,160,150.00
260	2015	LIME TRT (NEW BASE)(8")	SY	648,045	$2.00	$1,296,090.00
260	2011	LIME TRT (EXST MATL) (12")	SY	673,544	$1.30	$875,607.20
260	2016	LIME (HYD, COM, OR QK(SLURRY))	TON	21,532	$140.00	$3,014,480.00
292	2019	ASPHALT STAB BASE (GR 4)(PG 76)	TON	235,813	$100.00	$23,581,300.00
340	2135	D-GR HMA(METH) TY-D SAC-A PG76-22	TON	53,641	$75.00	$4,023,075.00
340	2239	D-GR HMA(METH) TY-B SAC-B PG64-22	TON	53,641	$70.00	$3,754,870.00
					TOTAL ROADWAY MAINLANES ONLY - BLACK BASE DESIGN	$38,705,572.20

ROADWAY FRONTAGE ROADS ONLY - ORIGINAL PAVEMENT DESIGN

ITEM No.	DESC CODE		UNITS	QUANTITY	AGREED UNIT BID PRICE	Agreed Bid Price Unit Cost AMOUNT
247	2225	FL BS (RDWY DEL)(TY E GR 4)(FNAL POS)	CY	98,859	$15.00	$1,482,885.00
260	2011	LIME TRT (EXST MATL) (12")	SY	446,100	$1.30	$579,930.00
260	2015	LIME TRT (NEW BASE)(8")	SY	444,864	$1.30	$578,323.36
260	2016	LIME (HYD, COM, OR QK(SLURRY))	TON	14,260	$140.00	$1,996,414.00
310	2001	PRIME COAT (MC-30)	GAL	88,973	$4.50	$400,378.50
316	2706	ASPH (TIER II)	GAL	155,703	$3.10	$482,679.30
316	2722	AGGR (GR 4P)	CY	4,449	$64.00	$284,736.00
340	2135	D-GR HMA(METH) TY-D SAC-A PG76-22	TON	71,055	$75.00	$5,329,125.00
					TOTAL ROADWAY FRONTAGE ROADS ONLY - ORIGINAL PAVEMENT DESIGN	$11,134,471.16
					GRAND TOTAL MAINLANES AND FRONTAGE ROADS	$49,840,043.36

DIFFERENCE =	$9,035,224.26

DESIGN CONSIDERATION 5: Evaluate and Optimize the Space Available for Embankment, Roadway, and Structures	Idea Nos. 31 and 32

Original Concept

The baseline concept proposes using full embankment with side slopes of 3:1 in areas where the IBTC profile raises into a fill section. There are some areas where retaining walls were used due to constraints. Where frontage roads are proposed, the right-of-way corridor in general accommodates a 20 foot ditch section between the right-of-way and frontage road. Along the corridor there are areas at ramp locations and overpass approaches where the width between the frontage road and right-of-way "pinches" down less than 20 feet.

The baseline concept also proposes some retaining walls at a few areas within the Valley View Interchange and at the I-2 Interchange.

Suggested Concept

In fill areas, inexpensive walls can be constructed along the IBTC main lanes to reduce embankment quantity and provide more room within the proposed right-of-way for geometric adjustments or drainage features accommodation. An example is to use block walls at an estimated height of 5 feet. In this example, this would reduce the embank width at the toe of slope by 15 feet. This would allow the frontage road geometry to be pulled in toward the main lanes as much as 15 feet. This would provide an additional 15 feet between the frontage road and the right-of-way for a total of 35 feet.

Consideration should be given to optimize the use of retaining walls and embankment within these two locations, by eliminating the retaining walls and providing an embankment with a 3:1 slope where there is adequate spacing within the Valley View Interchange (Figure 2) and the I-2 Interchange (Figure 3).

Advantages	Disadvantages
• Reduces embankment (borrow) • Improves ability to accommodate proposed drainage features • Reduces wall to maintain • Reduces cost • Enables future growth without adding ROW • Reduces the need for storm drainage and piping system	• Increases cost • Adds walls to maintain • Potential reduction in ROW • Increases embankment (borrow) • May have to reduce design speed of direct connectors

Discussion

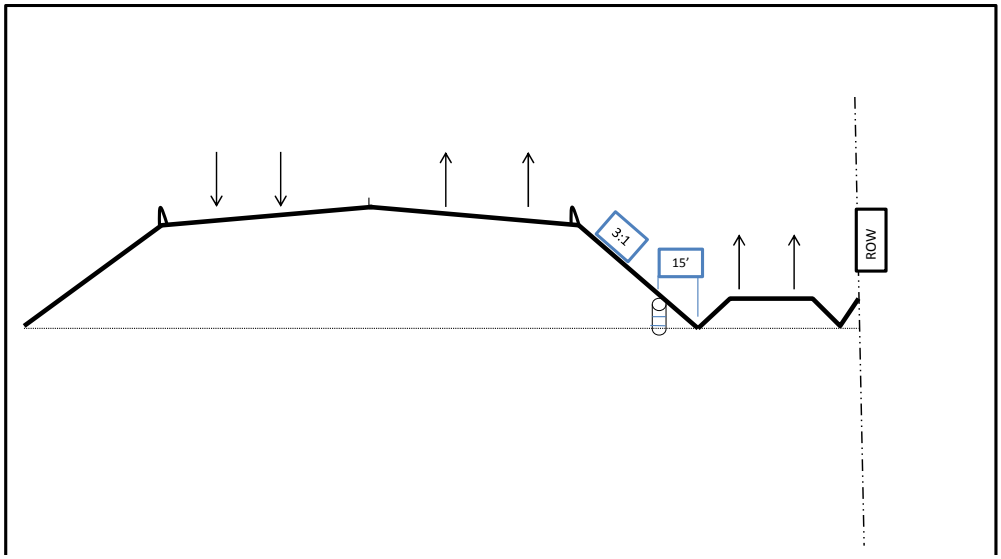
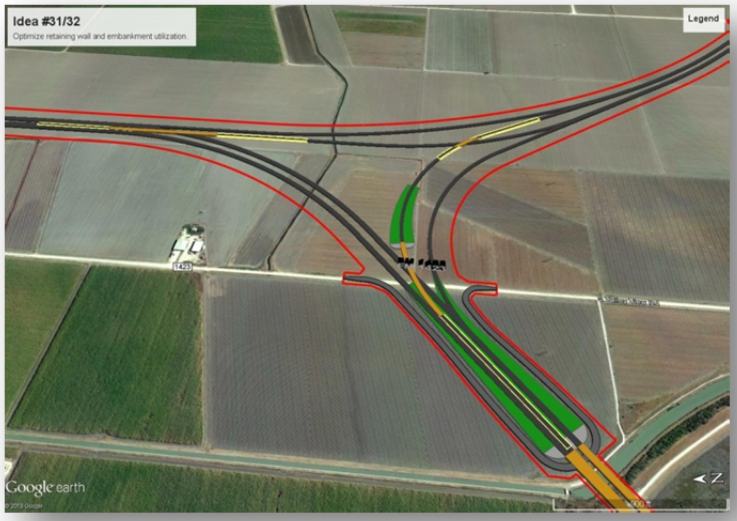


Figure 2: Valley View Interchange

DESIGN CONSIDERATION 5: Evaluate and Optimize the Space Available for Embankment, Roadway, and Structures	Idea Nos. 31 and 32



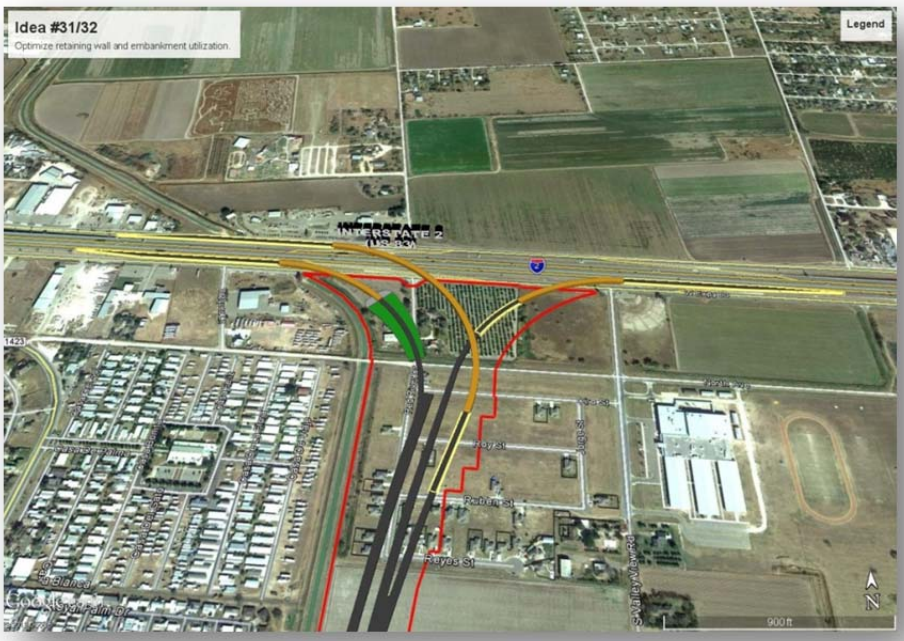


Figure 3: I-2 Interchange

DESIGN CONSIDERATION 6: Eliminate Donna Leg to the East	Idea Nos. 35, 36, and 38

Original Concept

The baseline concept currently shows a 3-legged interchange for IBTC near Valley View Road. This interchange accommodates a leg extending east to improve connectivity for trucks entering Texas via the Alliance International Bridge (Donna-Rio Bravo). The phase 1 concept of the project is to construct the main lanes for the east leg, including bridges to accommodate direct connection for all three legs.

Suggested Concept

Due to low truck traffic across the Alliance International bridge, revenue generation would be minimal at the opening of the IBTC corridor. Eliminate the leg to the east.

Low cost alternatives could be used to provide connectivity to FM 493:

Alternative 1: Construct a 2-way frontage road to connect to FM 493.

Alternative 2: Construct a diamond interchange at the IBTC corridor and east leg main lanes to FM 493

Advantages	Disadvantages
• Reduced initial cost • Eliminates maintenance cost • Improves ability to get an EA	• May not be acceptable to stakeholders • Potential reduction in revenue • Reduces connectivity to the Donna Bridge • Increases environmental engineering costs

Discussion

Due to low truck traffic across the Alliance International bridge, revenue generation may be minimal at the opening of the IBTC corridor. Eliminating the leg to the east eliminates the cost needed to construct and maintain the east leg's main lanes and the direct connector structures needed at the interchange. This could improve the ability to obtain an EA for the IBTC corridor, but the east leg would require a separate environmental document if and when traffic demand supports its development.

If there is significant stakeholder opposition to the elimination of the east leg towards the Alliance International bridge, the following low cost alternatives could be used to provide connectivity towards the Alliance International bridge:

Alternative 1: In lieu of constructing the east leg main lanes and direct connectors, construct a combination of exit ramps and proposed 2-way frontage roads to connect to FM 493. The frontage road would be along the north side of the IBTC main lanes, continue towards the floodway bridge, U-turn under the floodway bridge, and follow the proposed east leg corridor alignment along the west side. This concept does not require significant structures to provide this connectivity. This alternative provides significantly lower traffic operation connectivity towards FM 493 because of the extended route through the IBTC corridor.

Alternative 2: In lieu of constructing the east leg direct connectors, construct a diamond interchange at the IBTC corridor to provide a connection for the east leg main lanes and ultimately connectivity towards FM 493. This concept requires building a short bridge span along the IBTC main lanes. This alternative provides slightly lower traffic operation connectivity between the IBTC corridor and the east leg main lanes when compared to the base line concept.

DESIGN CONSIDERATION 7: Revise Alignment–Floodway Bridge to Donna	Idea No. 43

Original Concept

Existing location of the Valley View interchange east of Valley View Road includes a large S-curve alignment shift to go partially around the Donna Lake area.

Suggested Concept

Straighten the alignment between the floodway bridge and the Donna leg, eliminating the need for the west frontage road by utilizing existing Valley View Road and shortening the overall length of the project.

Advantages	Disadvantages
• Reduces S curve • Reduces need for an additional frontage road • Reduced cost • Shorter right-of-way acquisition process	• Would require redesign for skew at Valley View interchange • Would require modification of environmental documents

Discussion

This design consideration would not be applicable with the implementation of Idea No. 46, which realigns the entire Valley View interchange to the west and shortens the project considerably (specially the proposed floodway bridge). Idea No. 46 has been moved forward by the VE Team, therefore, cancels out this proposed design consideration.

Design CONSIDERATION 8: Remove Skew at IBTC/I-2 Interchange	Idea No. 44

Original Concept

The baseline concept currently shows the IBTC corridor crossing I-2 at a skewed angle.

Suggested Concept

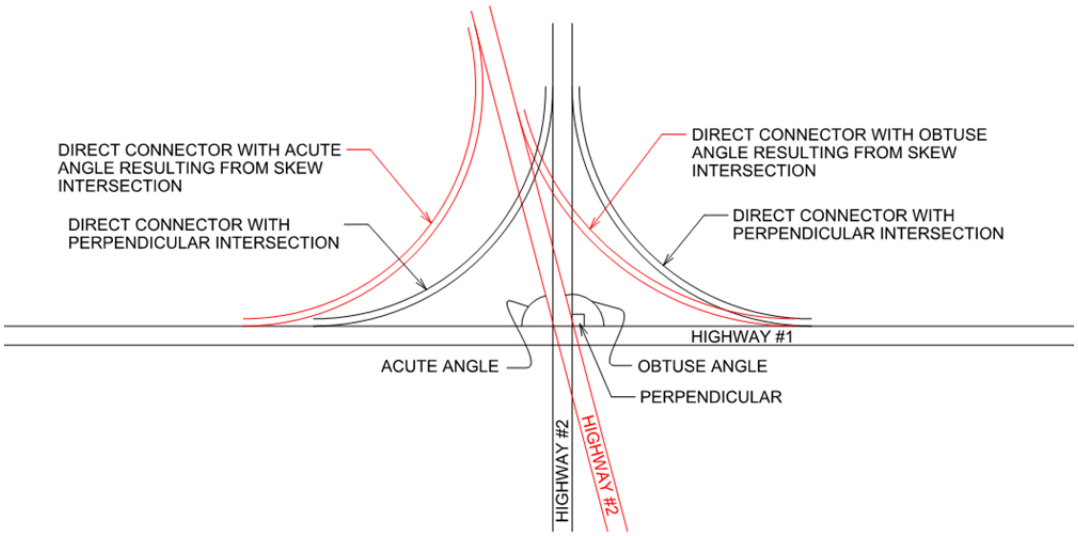
Realign the IBTC corridor south of I-2 to remove the skew and cross it at a perpendicular angle.

Advantages	Disadvantages
• Potentially reduces bridge lengths	• Increases ROW impacts to maintain desired speed • Impacts additional development on southwest corner

Discussion

The IBTC corridor crosses I-2 on a skewed angle. Skewed angle interchanges result in longer direct connector bridge structures. The reason for this is obtuse angles. A longer curve length is needed to connect two legs of the interchange due to the wider distance the obtuse angle creates between them (see sketch).

Skewed angle interchanges may also result in increased right-of-way needs. The reason for this is acute angles. An acute angle requires the direct connector curves to be pulled away from the center of the interchange resulting in additional right-of-way in that quadrant(see sketch).



DESIGN CONSIDERATION 9: Increase Retention Rate in the Traffic and Revenue Study	Idea No. 47

Original Concept

The Hidalgo County Loop (SH 365 and IBTC) Intermediate Traffic and Revenue Study dated March 2013 states that "retention rates for IBTC are expected to be about 24% in 2020 and 26% in 2035."

Suggested Concept

Explore the possibility of increasing the retention rate in the T&R study to be consistent with retention rates in other toll facilities in Texas.

Advantages	Disadvantages
• Increases revenue	• Increases revenue risk

Discussion

The Hidalgo County Loop (SH 365 and IBTC) Intermediate Traffic and Revenue Study dated March 2013 states that "retention rates for IBTC are expected to be about 24% in 2020 and 26% in 2035".

The 2013 study defined retention rate "as a ratio of the volumes on a toll road under tolled and nontolled scenarios." In other words, retained traffic is the traffic staying in the facility after applying toll.

During the last 10 years, several toll facilities have opened to traffic in Texas (e.g., Loop 49 in Tyler; SH 45, 183, and Loop 1 in Austin; and SRT in Dallas). Some of those facilities have opened as a toll-free facility for a period of time to promote the use of the facility. The VE team recommends researching the retention rate on those facilities (especially Loop 49 in Tyler) and comparing the actual retention rate for those facilities with the retention rate calculated for the IBTC.

DESIGN VALIDATION: Consistent Cross Section Across Floodway Bridge	Idea No. 14

Baseline Concept

Currently the interchange to the Donna bridge shows that the WBSBDC connector merges with the IBTC westbound main lanes. The merging taper extends onto the floodway bridge, adding bridge cost and an additional level of complexity with regard to bridge design.

Recommendation Concept

Revise the WBSBDC geometry for the interchange to the Donna Bridge to pull the merging taper further east and off of the floodway bridge.

Advantages	Disadvantages
• Improves constructibility of the floodway bridge • May reduce the cost of the direct connect bridge	• Geometry may be difficult to accommodate • May require reduced design speed • May require additional right-of-way

Discussion/Sketches/Photos

The current design of the WBSBDC connector has a radius of 1340, superelevation of 6 percent, and a vertical grade of 0.20%. The current geometry claims to meet a design speed of 60 mph, which is at the upper level of accepted values for a direct connector of a 70 mph facility.

By contrast, the minimum design speed of a direct connector of a 70 mph facility is 35 mph. Per TxDOT's roadway design manual, a vertical grade up to 4 percent is acceptable for direct connectors. The WBSBDC geometry can be modified to within a radius of 840 feet, a superelevation of 6 percent, and a vertical grade up to 4 percent. Making this change requires the portions of the direct connector with railing to widen the inside shoulder from 10 feet to 20 feet. In combination with the 840 foot radius, a wider inside shoulder is required to meet the stopping sight distance for a 50 mph design.

The current WBSBDC geometry does not meet a 60 mph stopping sight distance. It requires the inside shoulder to be widened by 14 feet. The current WBSBDC geometry does meet the stopping sight distance for a 50 mph design speed. Therefore, through the research of this VE recommendation, the current geometry has been validated as a more economical and feasible design pending a design speed change of the WBSBDC connector from 60 mph to 50 mph.

Appendix F

Report-out Presentation

Hidalgo County Regional Mobility Authority
International Bridge Trade Corridor
Value Engineering Study

November 11—15, 2013

HCRMA
HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY
DANNENBAUM - PROGRAM MANAGER

Value Engineering Team

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HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY
DANNENBAUM - PROGRAM MANAGER

Team Objective

The objective of the IBTC VE team, through application of the VE Job Plan, is to:

- Conduct a thorough review and analysis of the key project issues using a multidiscipline, cross-functional team.
- Review and validate or improve on the proposed concepts/design by focusing on high cost functions.

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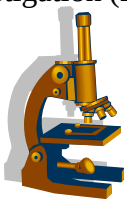
Value Engineering Study Phases

Investigation (Function)

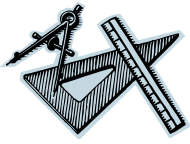


Speculation

Presentation

Evaluation

Development



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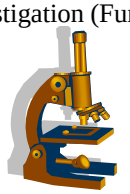
Performance Based VE

Performance-based VE consists of the following steps:

- Identify key project performance attributes and requirements.
- Establish the hierarchy and impact of these attributes on the project.
- Establish the baseline of the current project performance.
- Identify the change in performance of alternative project concepts generated by the study.
- Measure the aggregate effect of alternative concepts relative to the baseline project's performance.

Investigation (Function)



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Performance Attributes

Value Engineering has traditionally been perceived as an effective means for reducing project costs. This paradigm only addresses one part of the value equation, often times at the expense of overlooking the role that VE can play with regard to improving project performance.

- Operational Impacts
- Revenue Impacts
- Maintainability
- Construction Impacts
- Environmental Impacts
- Project Schedule

$$\text{Value} = \frac{\text{Performance} \uparrow}{\text{Cost} \downarrow}$$

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Performance Attributes

$$Value = \frac{Performance}{Cost}$$

Performance Attribute	Description of Attribute
Operational Impacts	An assessment of traffic operations and safety on the main line IBTC , frontage roads, and local facilities. Operational considerations include level of service relative to the 30-year traffic projections as well as geometric considerations such as design speed, sight distance, lane widths and shoulder widths, bicycle and pedestrian operations and access, including any shared use paths. The assessment also includes interchange spacing, ramp ingress and egress, as well as weaving.
Revenue Impacts	An assessment of long term revenue generation on the facility, including consideration of type of tolling system, length of ramp-up period, toll enforcement and the level of toll evaders (International traffic), the types of rates for special purpose vehicles, operating cost, operating contract type and terms, ability to adjust rates, and approvals required.
Maintainability	An assessment of the long-term maintainability of the transportation facilities. Maintenance considerations include the overall durability, longevity and maintainability of pavements, structures and systems; ease of maintenance; accessibility and safety considerations for maintenance personnel.

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Performance Attributes

$$Value = \frac{Performance}{Cost}$$

Performance Attribute	Description of Attribute
Construction Impacts	An assessment of the temporary impacts to the public during construction related to traffic disruptions, detours and delays; impacts to businesses and residents relative to access, visual, noise, vibration, dust, and construction traffic. Includes an assessment of temporary environmental impacts related to water quality, air quality, soil erosion, and local flora and fauna.
Environmental Impacts	An assessment of the permanent impacts to the natural and built environment, including ecological (i.e., flora, fauna, air quality, water quality, visual, noise); socioeconomic impacts (i.e., environmental justice); impacts to cultural, recreational and historic resources. This includes right-of-way.
Project Schedule	An assessment of the total project delivery as measured from the time of the VE study to completion of construction. Based on 2012 Strategic Plan Update–under construction by April 2017; construction ends October 2019.

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Performance Attributes

PERFORMANCE ATTRIBUTE MATRIX

IBTC

		Which attribute is more important to the project?						TOTAL	%
Operational Impacts	**A**	B	A	A	A	A		5.0	**23.8%**
Revenue Impacts	**B**		B	B	B	B/F		5.5	**26.2%**
Maintainability	**C**			C	E	F		2.0	9.5%
Construction Impacts	**D**				E	D/F		1.5	7.1%
Environmental Impacts	**E**					E		4.0	19.0%
Project Schedule	**F**							3.0	14.3%
								21.0	100%

A	More Important
A/B	Equally Important

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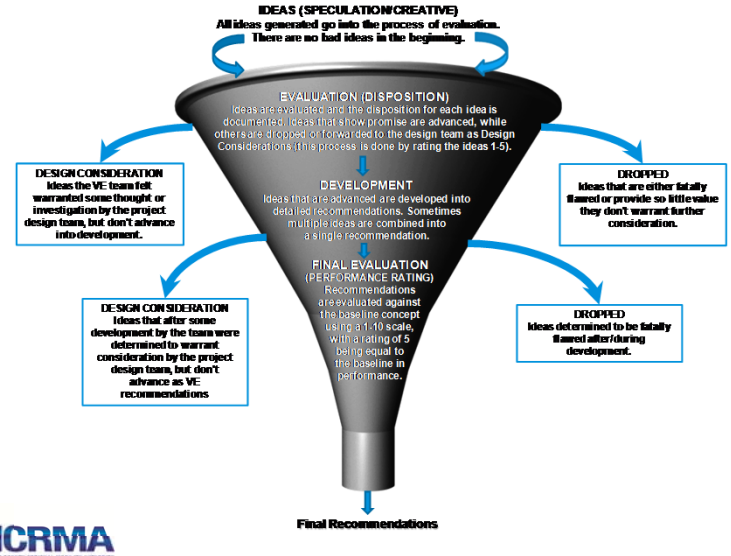
Speculation Phase

Idea No.	Description
Description: Bridges ***Function: Span water, floodway, roadway***	
1.	Shorten floodway bridge–realign levee
2.	2-lane floodway bridge
3.	Single 4-lane floodway bridge
4.	Simplify bridge aesthetics
5.	Shorter bridge spans (vertical abutments at the overpass)
6.	Build bridges from center
7.	Make one lane direct connectors everywhere (Phase 1)
8.	Replace bridges with culverts (STA 455+00, STA 525+00, STA 560+00, and STA 675+00)
9.	Change Tower Road overpass to an underpass
10.	Eliminate the Tower Road bridge (no cross connection)

Speculation

HCRMA

Evaluation Process



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Initial Evaluation

Idea Number	Description		Advantages		Disadvantages	
12	Eliminate Border Road underpass and continue frontage roads to abutment of floodway bridge (turnaround).		• Reduced cost • Eliminates bridge • Potential less ROW • Reduced embankment • Potential reduction in construction time		• Minor increase in out of direction travel • Add additional roadway • May have to extend floodway bridge • Environmental footprint may be increase slightly.	
	Operational Impacts	*Revenue Impacts*	*Maintainability*	*Construction Impacts*	*Environmental Impacts*	*Project Schedule*
	⇔	⇔	⇧	⇔	⇔	⇧
Justification/Comments/Disposition:						
Rating: 5						

Evaluation

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Development Phase

Development

VE RECOMMENDATION NO. XX:	IDEA NO. XX
Baseline Concept	
Recommendation Concept	

Advantages	Disadvantages
•	•

Cost Summary	Cost
Original Concept	
Recommendation Concept	
Savings	

Discussion/Graphics/Assumptions/Estimates

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Secondary Evaluation Phase

VE RECOMMENDATION NO. 7 *Eliminate Border Road Underpass*		IDEA NO. 12	
PERFORMANCE MEASURES **Attributes and Rating Rationale for Proposal**	*Performance*	*Original*	*Alternative*
Operational Impacts Slight out-of-direction travel time for user	*Rating*	5	5
	Weight	24	
	Contribution	120	120
Revenue Impacts No change	*Rating*	5	5
	Weight	26	
	Contribution	130	130
Maintainability Eliminate the bridge and reduce frontage roads	*Rating*	5	7
	Weight	10	
	Contribution	50	70
Construction Impacts No change	*Rating*	5	5
	Weight	7	
	Contribution	35	35
Environmental Impacts No change	*Rating*	5	5
	Weight	19	
	Contribution	95	95
Project Schedule No change	*Rating*	5	5
	Weight	14	
	Contribution	70	70
Total Performance		500	520
Net Change in Performance			4%

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Recommendation # 1
Shorten Floodway Bridge

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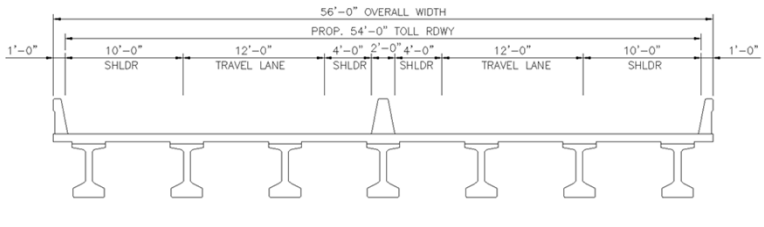
Recommendation # 2
2-Lane Floodway Bridge



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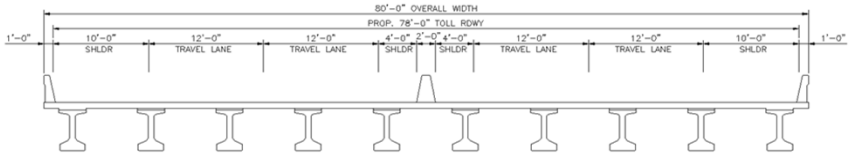
Recommendation # 3
Single 4-lane Floodway Bridge



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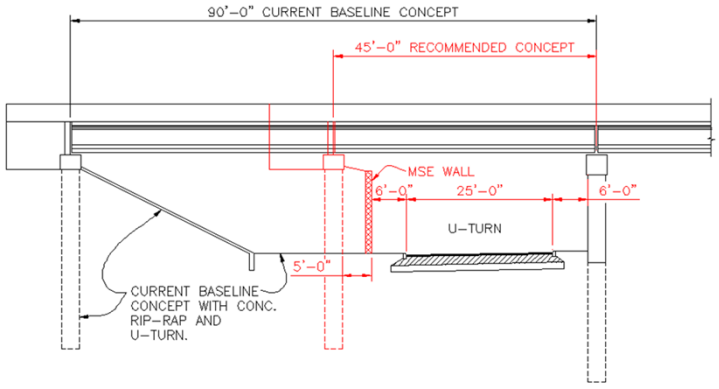
Recommendation # 4
Shorter Bridge Spans



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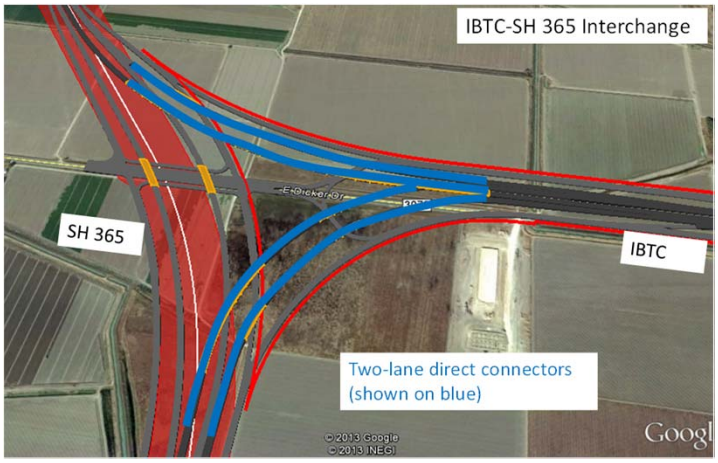
Recommendation # 5
Single Lane Direct Connects



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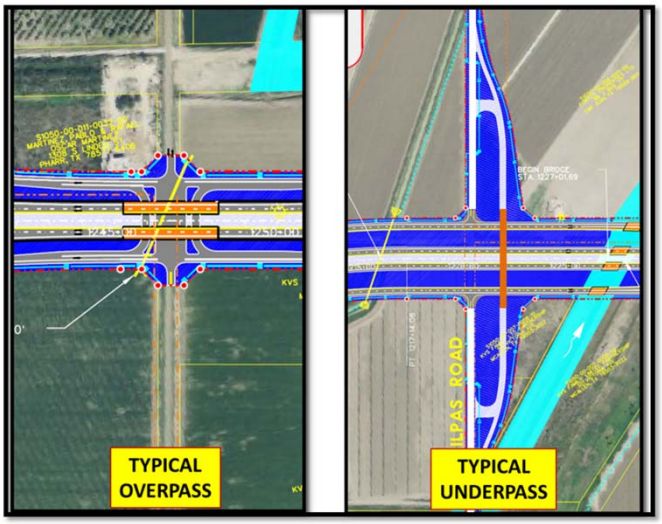
Recommendation # 6
Tower Road



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Recommendation # 7
Eliminate Border Road Underpass

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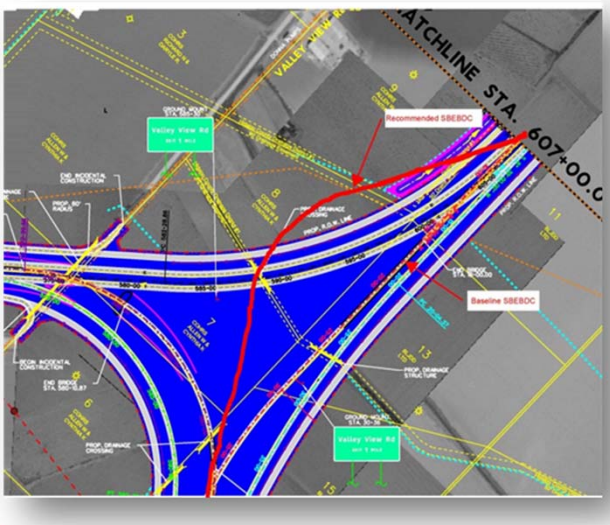
Recommendation # 8
Reduce Length of SBEBDC—Revise Alignment



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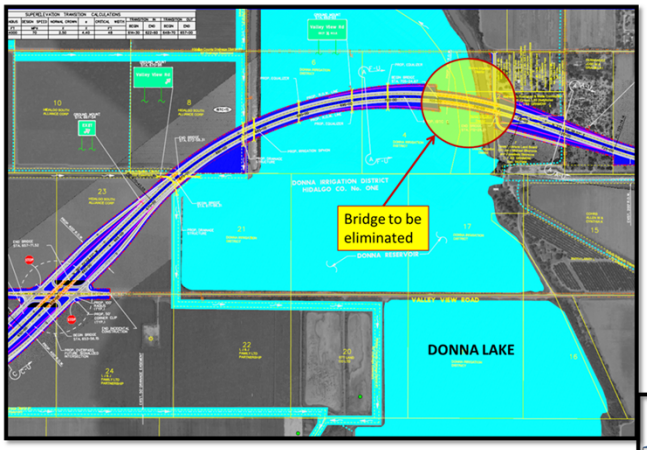
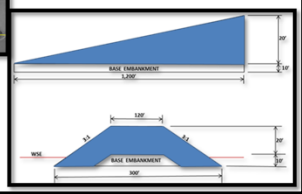
Recommendation # 9
Donna Reservoir Bridge





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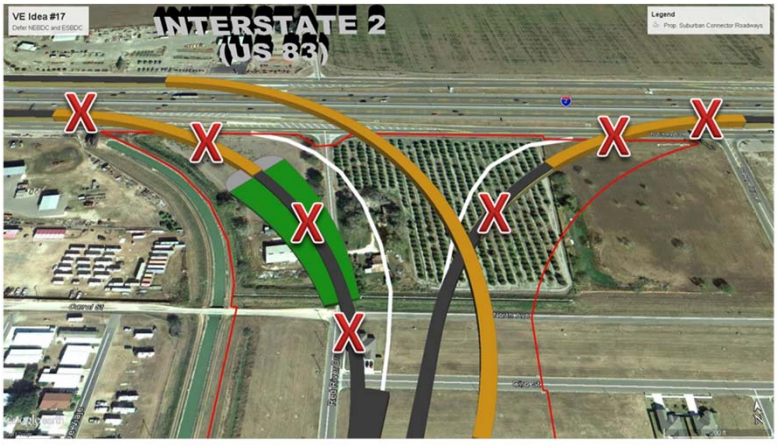
Recommendation # 10
Remove EBSB and NBEB Direct Connectors



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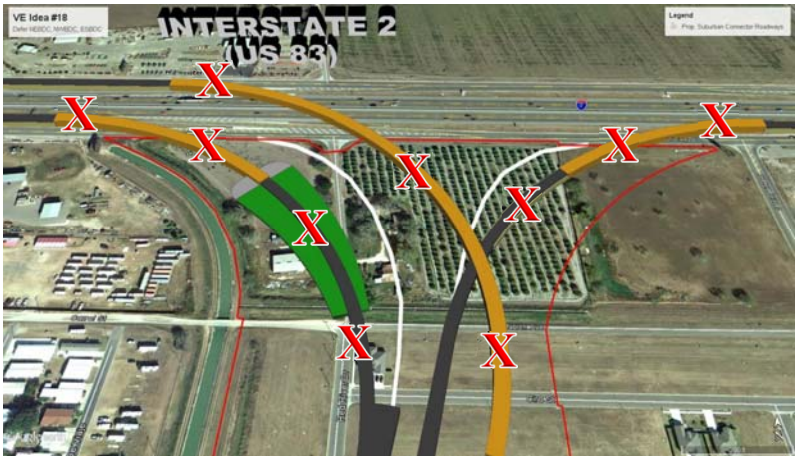
Recommendation # 11
Remove all Direct Connectors at I-2



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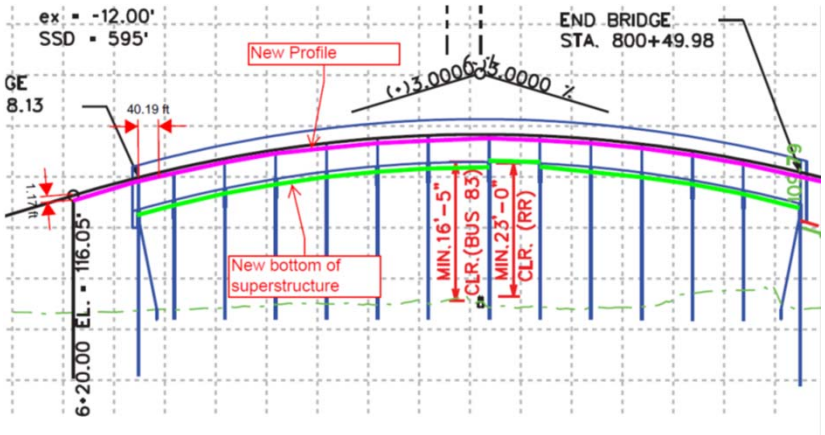
Recommendation # 12
Thinner Superstructure over Railroad



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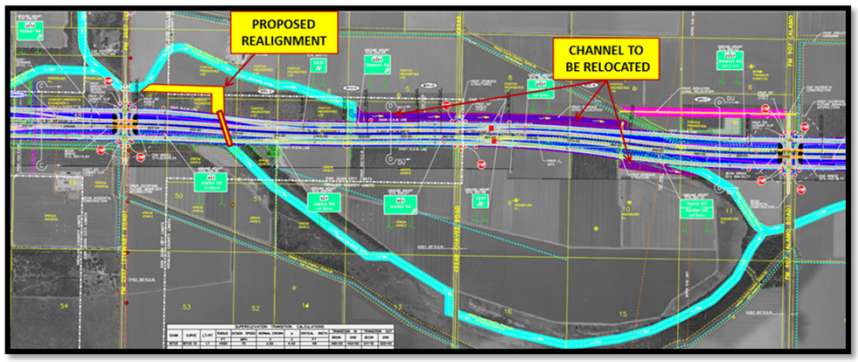
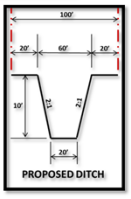
Recommendation # 13
Drainage Channel Realignment STA 350





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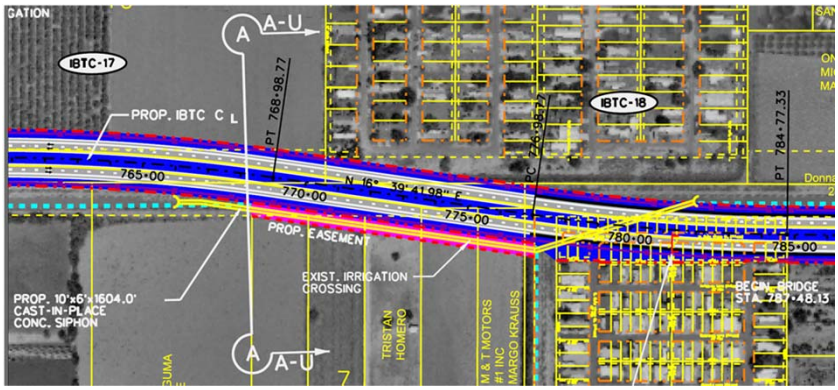
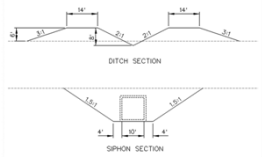
Recommendation # 14
Replace Culvert with Open Channel STA 765





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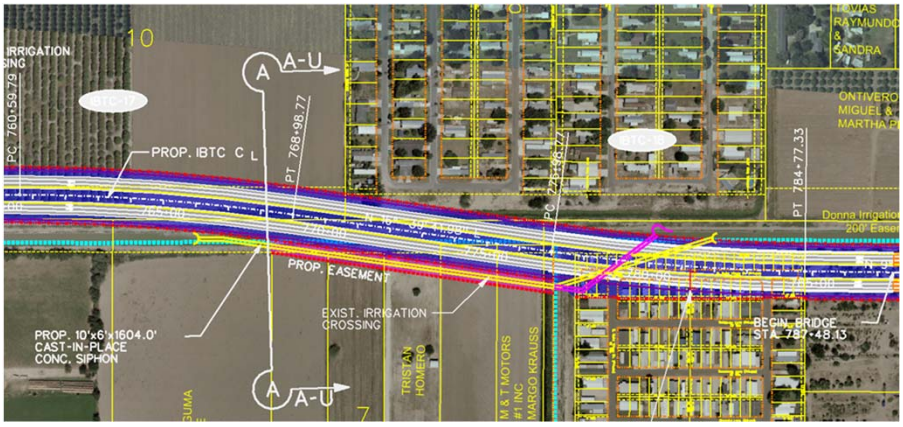
Recommendation # 15
Shorten Culvert with Open Channel STA 765



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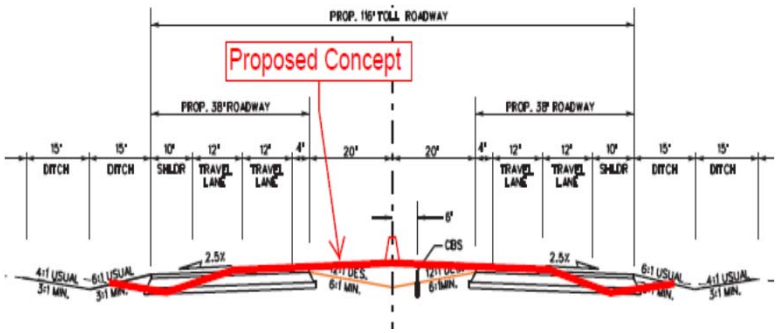
Recommendation # 16
Build from the Middle



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Recommendation # 17
Defer Donna Leg to the East

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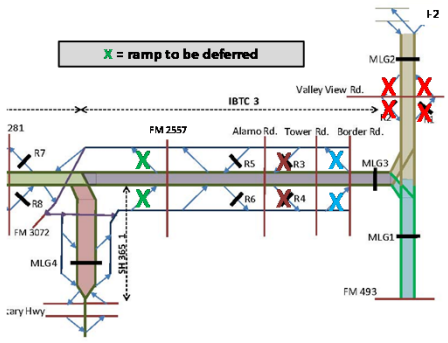
Recommendation # 18
Defer Ramps



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Recommendation # 19
Realignment of IBTC—Alamo to Donna Res

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VE Recommendation Summary

VALUE MATRIX

IBTC

OVERALL PERFORMANCE		Performance (P)	% Change Performance	Cost (C)	% Change Cost	Value Index (P/C)	% Value Improvement
	Baseline	500		$163.9		3.05	
1	Shorten Floodway Bridge	490	-2%	$160.5	2.1%	3.05	0%
2	2-Lane Floodway Bridge	559	12%	$159.4	2.7%	3.50	15%
3	Single 4-Lane Floodway Bridge	521	4%	$163.6	0.2%	3.18	4%
4	Shorter Bridge Spans	500	0%	$162.7	0.7%	3.07	1%
5	Single Lane Direct Connects	519	4%	$159.7	2.6%	3.25	7%
6	Tower Road	533	7%	$162.4	0.9%	3.28	8%
7	Eliminate Border Road Underpass	519	4%	$162.7	0.7%	3.19	5%
8	Reduce Length of SBEBDC–Revise	509	2%	$162.6	0.8%	3.13	3%
9	Donna Reservoir Bridge	523	5%	$159.5	2.7%	3.28	8%
10	Remove EBSB and NBEB Direct	528	6%	$157.9	3.7%	3.34	10%
11	Remove all Direct Connectors at I-	533	7%	$151.9	7.3%	3.51	15%
12	Thinner Superstructure over RR	500	0%	$163.4	0.3%	3.06	0%
13	Drainage Channel Realignment	538	8%	$163.7	0.1%	3.28	8%
14	Replace Culvert with Open	500	0%	$163.2	0.4%	3.06	0%
15	Shorten Culvert from Canal at STA	500	0%	$163.8	0.1%	3.05	0%
16	Build from the Middle	516	3%	$162.4	0.9%	3.18	4%
17	Defer Donna Leg to the East	551	10%	$141.9	13.4%	3.88	27%
18	Defer Ramps	505	1%	$159.7	2.5%	3.16	4%
19	Realignment of IBTC from Alamo	628	26%	$144.7	11.7%	4.34	42%

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VE Recommendation Summary

Summary of Recommendations					
No.	**Description**	**Cost Delta**	**Scenario 1**	**Scenario 2**	**Scenario 3**
1	Shorten Floodway Bridge	($3.38)	($3.38)	($3.38)	
2	2-Lane Floodway Bridge	($4.45)	($3.25)		($3.56)
3	Single 4-Lane Floodway Bridge	($0.29)		($0.23)	($0.23)
4	Shorter Bridge Spans	($1.16)	($1.16)	($1.16)	
5	Single Lane Direct Connects	($4.21)	($4.21)	($4.21)	($4.21)
6	Tower Road	($1.46)	($1.46)	($1.46)	
7	Eliminate Border Road Underpass	($1.20)	($1.20)	($1.20)	
8	Reduce Length of SBEBDC–Revise Alignment	($1.30)	($1.30)		
9	Donna Reservoir Bridge	($4.40)	($4.40)	($4.40)	
10	Remove EBSB and NBEB Direct Connectors	($6.00)	($6.00)		
11	Remove all Direct Connectors at I-2	($12.00)		($12.00)	($12.00)
12	Thinner Superstructure over RR	($0.54)	($0.54)	($0.54)	($0.54)
13	Drainage Channel Realignment STA 350	($0.23)	($0.23)	($0.23)	($0.23)
14	Replace Culvert with Open Channel STA 765	($0.68)	($0.68)	($0.68)	($0.68)
15	Shorten Culvert from Canal at STA 780+00	($0.11)	($0.11)	($0.11)	($0.11)
16	Build from the Middle	($1.50)	($1.50)	($1.27)	($1.50)
17	Defer Donna Leg to the East	($22.00)		($22.00)	($19.80)
18	Defer Ramps	($4.17)	($4.17)	($4.17)	
19	Realignment of IBTC from Alamo to Donna Re	($19.20)			($19.20)
	Total		**($33.59)**	**($57.04)**	**($62.06)**

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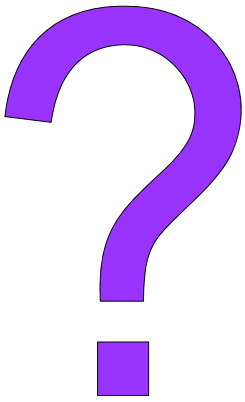
Questions



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Item 1A

HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY

AGENDA RECOMMENDATION FORM

BOARD OF DIRECTORS	**X**	**AGENDA ITEM**	**1A**
PLANNING COMMITTEE		**DATE SUBMITTED**	**2/11/14**
FINANCE COMMITTEE		**MEETING DATE**	**2/24/14**
TECHNICAL COMMITTEE			

1. Agenda Item: **REPORT ON PROGRAM MANAGER ACTIVITY FOR SH 365 AND IBTC PROEJCTS– DANNENBAUM ENGINEERING**

2. Nature of Request: (Brief Overview) Attachments: X Yes ___No

   Report from Program Manager on activity and progress to date on SH 365, IBTC and the Overweight Truck Corridor.

3. Policy Implication: Board Policy, Local Government Code, Texas Government Code, Texas Transportation Code, TxDOT Policy

4. Budgeted: ___Yes ___No X N/A

5. Staff Recommendation**: Report Only.**

6. Program Manager's Recommendation: ___Approved ___Disapproved **X** None

7. Planning Committee's Recommendation: ___Approved ___Disapproved **X** None

8. Board Attorney's Recommendation: ___Approved ___Disapproved **X** None

9. Chief Financial Officer's Recommendation: ___Approved ___Disapproved **X** None

10. Executive Director's Recommendation: ___Approved ___Disapproved **X** None

THIS ITEM WILL BE

SENT UNDER

SEPERATE COVER

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Item 2A

HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY

AGENDA RECOMMENDATION FORM

BOARD OF DIRECTORS	**X**	**AGENDA ITEM**	**2A**
PLANNING COMMITTEE		**DATE SUBMITTED**	**2/11/14**
FINANCE COMMITTEE		**MEETING DATE**	**2/24/14**
TECHNICAL COMMITTEE			

1. Agenda Item: **APPROVAL OF MINUTES FOR REGULAR MEETING HELD JANUARY 22, 2014.**

2. Nature of Request: (Brief Overview) Attachments: X Yes ___No

   Consideration and approval of minutes for the Hidalgo County Regional Mobility Authority Board of Directors Regular Meeting held January 22, 2014.

3. Policy Implication: Board Policy, Local Government Code, Texas Government Code, Texas Transportation Code, TxDOT Policy

4. Budgeted: ___Yes ___No X N/A

5. Staff Recommendation**: Motion to approve the minutes for the Board of Director's Regular Meeting held January 22, 2014, as presented.**

6. Program Manager's Recommendation: ___Approved ___Disapproved **X** None

7. Planning Committee's Recommendation: ___Approved ___Disapproved **X** None

8. Board Attorney's Recommendation: **X** Approved ___Disapproved ___None

9. Chief Financial Officer's Recommendation: ___Approved ___Disapproved **X** None

10. Executive Director's Recommendation: **X** Approved ___Disapproved ___None

STATE OF TEXAS
COUNTY OF HIDALGO
HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY

The Hidalgo County Regional Mobility Authority Board of Directors convened a Regular Meeting on **Wednesday, January 22, 2014**, at 5:08 pm at the Pharr City Hall, City Commission Chamber, 2nd Floor, 118 South Cage Boulevard, Pharr, Texas, with the following present:

Board Members:	Dennis Burleson, Chairman	HCRMA
	Michael G. Cano, Vice-Chairman	HCRMA
	Forrest Runnels, Director	HCRMA
	David Guerra, Director	HCRMA
	Alonzo Cantu, Director	HCRMA
	Josue Reyes, Director	HCRMA
Absent:	Ricardo Perez, Secretary/Treasurer	HCRMA
Staff:	Pilar Rodriguez, Executive Director	HCRMA
	Jerry Dale, Chief Financial Officer	HCRMA
	Flor E. Koll, Program Administrator	HCRMA
	Blakely Fernandez, Legal Counsel	HCRMA
	Louis Jones, Program Manager	HCRMA

CALL TO ORDER FOR WORKSHOP

Chairman Burleson called the workshop to order.

1. Short list firm interviews for Engineering Services for the International Bridge Trade Corridor Project.
   TEDSI Infrastructure, S&B Infrastructure, Halff & Associates, L&G Engineering and Unitech Consulting Engineers conducted interviews before the Board of Directors. No action taken.

2. Short list firm interviews for Geotechnical Services for the International Bridge Trade Corridor Project.
   L&G Laboratories, Terracon and Raba Kistner conducted interviews before the Board of Directors. No action taken.

3. Presentation of Value Engineering Recommendations for the International Bridge Trade Corridor Project.
   This item was deferred to the next Regular Board of Directors Meeting. No action taken.

ADJOURNMENT FOR WORKSHOP

CALL TO ORDER FOR REGULAR MEETING

Chairman Burleson called the regular meeting to order.

PUBLIC COMMENT

None.

1. REPORTS

A. Report on Program Manager Activity for SH 365 and IBTC – Louis Jones, Dannenbaum Engineering
   Louis Jones, Program Manager, provided a summary update on the progress for the SH 365 an IBTC Projects. No action taken.

2. **CONSENT AGENDA** (All matters listed under the Consent Agenda are considered to be routine by the Governing Body and will be enacted by one motion. There will be no separate discussion of these items; however, if discussion is desired, that item(s) will be removed from the Consent Agenda and will be considered separately. The Governing Body may also elect to go into Executive Session on any item on this agenda, whether or not such item(s) are posted as an Executive Session Item, at any time during the meeting when authorized by provisions of the Open Public Meetings Act.)

   Motion by Michael Cano, with a second by David Guerra, to approve the Consent Agenda as presented. Motion carried unanimously.

   A. Approval of Minutes for Regular Meeting held December 18, 2013.
   Approved the Minutes for Regular Meeting held December 18, 2013 as presented.

   B. Approval of Project & General Expense Report for the period from December 11, 2013 to January 14, 2014.
   Approved the Project & General Expense Report for the period from December 11, 2013 to January 14, 2014 as presented.

   C. Approval of Financial Report for November and December 2013.
   Approved the Financial Report for November and December 2013 as presented.

3. **REGULAR AGENDA**

   A. Resolution 2014-01 – Authorization to submit a Request for Environmental Classification to the Texas Department of Transportation and/or the Federal Highway Administration for the International Bridge Trade Corridor Project.
   Motion by Michael Cano, with a second by Josue Reyes, to approve Resolution 2014-01 – Authorization to submit a Request for Environmental Classification to the Texas Department of Transportation and/or the Federal Highway Administration for the International Bridge Trade Corridor Project. Motion carried unanimously.

   B. Resolution 2014-02 – Approval to continue with the procurement process for the State Highway 365 Toll Integrator Consultant.
   Motion by Forrest Runnels, with a second by Michael Cano, to disapprove Resolution 2014-02 – Approval to continue with the procurement process for the State Highway 365 Toll Integrator Consultant and for staff to advertise Statements of Qualifications for a Toll Integrator. Motion carried unanimously.

   C. Resolution 2014-03 – Approval of amendment to Hidalgo County Regional Mobility Authority Investment Policy to exclude mortgage backed securities from authorized investments.
   Motion by Forrest Runnels, with a second by Michael Cano, to approve Resolution 2014-03 – Approval of amendment to Hidalgo County Regional Mobility Authority Investment Policy to exclude mortgage backed securities from authorized investments. Motion carried unanimously.

   D. Resolution 2014-04 – Authorization to establish a new account with PlainsCapital Bank captioned "Hidalgo County Regional Mobility Authority Consolidated Cash Account."
   Motion by David Guerra, with a second by Josue Reyes, to approve Resolution 2014-04 – Authorization to establish a new account with PlainsCapital Bank captioned "Hidalgo County Regional Mobility Authority Consolidated Cash Account." Motion carried unanimously.

E. Resolution 2014-05 – Approval of Supplemental No. 4 to Professional Service Agreement with Atkins North America for environmental services for the State Highway 365 for additional archeological dating analysis and site delineation required by the Texas Department of Transportation.
Motion by Michael Cano, with a second by David Guerra, to approve Resolution 2014-05 – Approval of Supplemental No. 4 to Professional Service Agreement with Atkins North America for environmental services for the State Highway 365 for additional archeological dating analysis and site delineation required by the Texas Department of Transportation in the amount of $202,856.00. Motion carried unanimously.

F. Resolution 2014-06 – Approval of Work Authorization Number 8 to Professional Service Agreement with Dannenbaum Engineering for continued Program Management of the State Highway 365 and International Bridge Trade Corridor Projects.
Motion by Michael Cano, with a second by David Guerra, to approve Resolution 2014-06 – Approval of Work Authorization Number 8 to Professional Service Agreement with Dannenbaum Engineering for continued Program Management of the State Highway 365 and International Bridge Trade Corridor Projects in the amount of $574,581.59. Motion carried unanimously.

G. Resolution 2014-07 – Approval of increase of maximum payable amount to the Professional Service Agreement with Dannenbaum Engineering for Work Authorization Number 8.
Motion by Michael Cano, with a second by David Guerra, to approve Resolution 2014-07 – Approval of increase of maximum payable amount to the Professional Service Agreement with Dannenbaum Engineering for Work Authorization Number 8 for a revised maximum payable amount of $5,827,389.25. Motion carried unanimously.

4. CHAIRMAN'S REPORT

A. Report on upcoming Texas Transportation Forum, January 6-8, 2014, in San Antonio Texas.
Chairman Burleson reported on the Texas Transportation Forum, which was held January 6-8, 2014 in San Antonio, Texas. No action taken.

5. TABLED ITEMS

A. Resolution 2013-59 – Designation of a Hidalgo County Liaison for the Hidalgo County Regional Mobility Board of Directors.

B. Resolution 2013-61 – Approval of ranking for Engineering and Geotechnical firms for the International Bride Trade Corridor Project and authorization for Staff to negotiate with the selected firms.
Motion Josue Reyes, with a second by Dennis Burleson, to remove item 5B from the Table. Motion carried unanimously.
Motion by Josue Reyes, with a second by David Guerra, to select Halff & Associates, S&B Infrastructure and TEDSI infrastructure as Engineering firms ranked 1 through 3 and L&G Laboratories and Raba Kistner, Inc. as Geotechnical firms ranked 1 and 2 for the International Bridge Trade Corridor Project and to authorize staff to negotiate with the selected firms. Motion carried unanimously.

6. **EXECUTIVE SESSION, CHAPTER 551, TEXAS GOVERNMENT CODE, SECTION 551.071 (CONSULTATION WITH ATTORNEY), SECTION 551.072 (DELIBERATION OF REAL PROPERTY) AND SECTION 551.074 (PERSONNEL MATTERS)**

   The Board of Directors did not enter into Executive Session on any item(s).

   C. Consultation with Board Attorney on legal issues pertaining to the proposed Kansas City Southern Railway's South Texas Class I Rail Project (Section 551.071 T.G.C.).
   No action taken.

   D. Consultation with Board Attorney on legal issues pertaining to the local environmental clearance process for the International Bridge Trade Corridor Project (Section 551.071 T.G.C.)
   No action taken.

   E. Annual performance evaluation of Pilar Rodriguez, Executive Director (Section 551.074 T.G.C.).
   No action taken.

ADJOURNMENT

There being no other business to come before the Board of Directors, the meeting was adjourned at 8:55 pm.

_____
Dennis Burleson, Chairman

Attest:

_____
Ricardo Perez, Secretary/Treasurer

Item 2B

HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY

AGENDA RECOMMENDATION FORM

BOARD OF DIRECTORS	**X**	**AGENDA ITEM**	**2B**
PLANNING COMMITTEE		**DATE SUBMITTED**	**2/11/14**
FINANCE COMMITTEE		**MEETING DATE**	**2/24/14**
TECHNICAL COMMITTEE			

1. Agenda Item: **APPROVAL OF PROJECT AND GENERAL EXPENSE REPORT FROM JANUARY 15, 2014 THROUGH FEBRUARY 11, 2014**

2. Nature of Request: (Brief Overview) Attachments: X Yes ___No

   Consideration and approval of project and general expense report for the period from January 15, 2014 to February 11, 2014.

3. Policy Implication: Board Policy, Local Government Code, Texas Government Code, Texas Transportation Code, TxDOT Policy

4. Budgeted: X Yes ___No ___N/A Funding Source: VRF Bond

General Account	$ 68,342.65
VRF Bond Account	$497,765.70
Total Project Expenses for Reporting Period	**$566,108.55**
Fund Balance after Expenses	$54,522,696

5. Staff Recommendation**: Motion to approve the project and general expense report for the period from January 15, 2014 to February 11, 2014 as presented.**

6. Program Manager's Recommendation: **X** Approved ___Disapproved ___None

7. Planning Committee's Recommendation: ___Approved ___Disapproved **X** None

8. Board Attorney's Recommendation: ___Approved ___Disapproved **X** None

9. Chief Financial Officer's Recommendation: **X** Approved ___Disapproved ___None

10. Executive Director's Recommendation: **X** Approved ___Disapproved ___None

HCRMA
HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY

Memorandum

To: Dennis Burleson, Chairman

From: Pilar Rodriguez, PE, Executive Director

Date: February 11, 2014

Re: **Expense Report for the Period from January 15, 2014 to February 11, 2014**

Attached is the expense report for the period commencing on January 15, 2014 and ending on February 11, 2014.

Expenses for the General Account total $68,342.85 and for the VRF Bond Account total $497,765.70. The aggregate expense for the reporting period is $**566,108.55**.

Based on review by this office, **approval of expenses for the reporting period is recommended in the aggregate amount of $566,108.55**.

This leaves a fund balance (all funds) after expenses of $54,522,696.

If you should have any questions or require additional information, please advise.

EXPENSE REPORT

February 19, 2014

HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY

General Account - 280003536

		Make Check Payable to	Date	Memo:		Amount	Ck #
Salaries & Wages							
	16200.000	City of McAllen	1/8/2014	Payroll 1	$	10,388.39	
	16200.000	City of McAllen	1/22/2014	Payroll 2	$	11,260.37	
	16200.000	City of McAllen	2/5/2013	Payroll 3	$	10,072.06	
	16200.000	City of McAllen	2/14/2014	Admin 41324	$	124.06	
	16200.000	City of McAllen	2/6/2014	Difference for Payroll 26	$	82.31	
Dues & Subscriptions							
	16100.000	McAllen EDC	12/5/2013	281 Coalition 2014 dues	$	15,000.00	
Supplies							
	17140.000	Office Depot	1/27/2014	692262444001	$	14.03	
	17140.000	Office Depot	1/27/2014	692262930001	$	124.39	
Travel & Training							
	16600.000	A Fast Delivery	1/16/2014	2014000243	$	105.50	
	16600.000	A Fast Delivery	2/3/2014	2014000426	$	280.00	
	16600.000						
Rental Contractual							
	17150.000	City of Pharr	2/3/2014	HC020314	$	1,000.00	
	17150.000	dahill	1/30/2014	31577681-4	$	905.35	
Professional Services							
	16070.000	Celia Gaona	1/27/2014	10008	$	1,680.00	
	17120.000	Jerry Dale	2/2/2014	Jan-14	$	4,750.00	ACH
	17210.000	Pena Designs	1/31/2014	Invoice 20	$	150.00	ACH
	17050.000	Salinas Allen Schmitt	1/20/2014	104924 - professional services	$	7,987.50	
	17050.000	Salinas Allen Schmitt	2/12/2014	105115 - Jan Services	$	850.00	
	17100.000	Bracewell Guiliani	1/14/2014	21568994	$	456.00	ACH
	17100.000	Bracewell Guiliani	2/12/2014	21572409	$	142.50	ACH
	17100.000	Law Office of Daniel G. Rios	1/22/2014	10539	$	925.00	ACH
	17310.000	PlainsCapital Bank	1/31/2014	Visa - Closing 1/31/14	$	2,045.39	
					$	**68,342.85**	

VRF Bond - ACCT 01080720130

Administrative Svc							
	26400.000	Advance Publishing Company			$	-	
Engineering Services							
	28000.000	L&G Engineering	2/5/2014	11324741 SH365/Seg1/WA2	$	15,500.56	ACH
	28000.000	L&G Engineering	2/3/2014	11324739 SH365/Seg2/WA3	$	107,817.53	ACH
	28000.000	S&B Infrastructure	1/21/2014	U1695.100-10_REV	$	46,903.65	ACH
	28000.000	Tedsi	1/31/2014	20141797	$	53,496.05	ACH
Surveying Services							
	28000.000	Quintanilla, Headly & Assoc					
Environmental							
	28000.000	Atkins					
	28000.000	Atkins					
Legal Services							
	27100.000	Bracewell Guiliani	1/17/2014	21569600	$	2,837.38	ACH
	27100.000	Bracewell Guiliani	2/12/2014	21572410	$	4,705.50	
Program Management							
	28000.000	Dannenbaum	2/11/2014	4652-01/27/XV	$	265,049.97	ACH
Acquisition Services							
Financial Services							
	28000.000	First Southwest					
					$	**496,310.64**	
*	27100.000	Smith Trostle & Huerta	1/2/2014	11332	$	1,455.06	
					Total	**$ 566,108.55**	

Recommend Approval/Pilar Rodriguez, E.D.

Date Approved

Ricardo Perez, Secretary/Treasurer

Dennis Burleson, Chairman

***PLAINSCAPITAL - VRF 2013 BOND CONSTRUCTION FUND (90008499)**

City of McAllen

Payroll 1 (2014)

Memorandum

To: Flor E. Koll

From: Abel Carbajal
Interim Payroll Manager

Date: January 8, 2014

Re: Payroll for Pilar Rodriguez and Flor E. Koll

Please submit a check in the amount of $ 10,038.39 to the Finance Department. This is to cover the following: payroll from 12/23/2013 through 1/5/2014

The following is a breakdown:

RA	Salary	8,480.51
RB	Overtime	0.00
RC		
RD	FICA	634.43
RE	TMRS	563.10
RF	TWC	0.00
RG	Group Term Life Ins	4.85
RH	Health Insurance Emp plus Fam	355.50
RI	Workers Compensation	0.00
	Total amount invoiced for:	$ 10,038.39

If you should have any questions, please feel free to contact me at 956-681-1041.

Thank you.

City of McAllen

Payroll 2 (2014)

Memorandum

To: Flor E. Koll

From: Abel Carbajal
Interim Payroll Manager

Date: January 22, 2014

Re: Payroll for Pilar Rodriguez and Flor E. Koll

Please submit a check in the amount of $ 11,260.37 to the Finance Department. This is to cover the following: payroll from 1/6/2014 through 1/19/2014

The following is a breakdown:

RA	Salary	9,549.71
RB	Overtime	0.00
RC		
RD	FICA	716.21
RE	TMRS	634.10
RF	TWC	0.00
RG	Group Term Life Ins	4.85
RH	Health Insurance Emp plus Fam	355.50
RI	Workers Compensation	0.00
	Total amount invoiced for:	$ 11,260.37

If you should have any questions, please feel free to contact me at 956-681-1041.

Thank you.

City of McAllen

Payroll 03 (2014)

Memorandum

To: Flor E. Koll

From: Abel Carbajal
Interim Payroll Manager

Date: February 5, 2014

Re: Payroll for Pilar Rodriguez and Flor E. Koll

Please submit a check in the amount of $ 10,072.06 to the Finance Department. This is to cover the following: payroll from 1/20/2014 through 2/2/2014

The following is a breakdown:

RA	Salary	8,509.96
RB	Overtime	0.00
RC		
RD	FICA	636.69
RE	TMRS	565.06
RF	TWC	0.00
RG	Group Term Life Ins	4.85
RH	Health Insurance Emp plus Fam	355.50
RI	Workers Compensation	0.00
	Total amount invoiced for:	$ 10,072.06

If you should have any questions, please feel free to contact me at 956-681-1041.

Thank you.

Regional Mobility Authority PRE-BILL AGENCYACCOUNT											
EMPLOYEE NAME	STATUS	HEALTH	DENTAL		VISION	BASIC	SUPP LIFE	LTD	STD	ADMIN FEES (38883)	
Rodriguez, Pilar	FT	Family	PAYROLL DEDUCTED							$	62.03
Koll, Flor	FT	Self	PAYROLL DEDUCTED							$	62.03
TOTALS			$ -		$ -	$ -	$ -	$ -			$ 124.06

MAR 2014

STATEMENT

City of McAllen
P O BOX 220
MCALLEN TX 78505-0220

(956) 681-1400 Ext. 0000

Account:	38883
Date:	2/14/2014

Amount Paid:

Customer No.: 38883
TYPE: AGENCY ADMIN

HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY
FLOR KOLL
ATTN: FLOR KOLL
118 S CAGE BLVD 4TH FLOOR
PHARR TX 78577

Document No.	Date	Code	Description	Amount	Balance
000040410	1/15/2014	SLS	Sales / Invoices	$124.06	$124.06
CASHAR00408231	1/28/2014	PMT	Payments	($124.06)	$0.00
000041324	2/14/2014	SLS	Sales / Invoices	$124.06	$124.06

Current	31 - 60 Days	61 - 90 Days	91 and Over
$124.06	$0.00	$0.00	$0.00

Amount Due:	$124.06

Codes: SLS = Sales / Invoices FIN = Finance Charges CR = Credit Memos
DR = Debit Memos PMT = Payments RTN = Returns
BBF = Beginning Balance

PLEASE DETACH AND SEND THIS COPY WITH REMITTANCE

DATE: 2/14/2014
CUSTOMER NO: 38883

NAME: HIDALGO COUNTY REGIONAL MOBILITY A
TYPE: AGENCY ADMIN

REMIT AND MAKE CHECK PAYABLE TO:
City of McAllen
P O BOX 220
MCALLEN TX 78505-0220

HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY
ATTN: FLOR KOLL
118 S CAGE BLVD 4TH FLOOR
PHARR TX 78577
TOTAL DUE: $124.06

From: Roel Aguilera
To: Flor Koll
Cc: Abigael Carbajal
Subject: FW: Invoice 26 2013
Date: Thursday, February 06, 2014 3:33:54 PM
Attachments: image001.png

Flor, the check for Payroll 26 2013 was short by $82.31. Please process a separate check and reference Payroll 26 2013. Any questions please let me know.

Owe
7ek

Thanks

Roel Aguilera
Payroll Coordinator
Ph. 956-681-1041
Fx. 956-681-1084
CITY OF McALLEN

From: Margarita Chavez
Sent: Wednesday, January 29, 2014 2:18 PM
To: Roel Aguilera
Subject: RE: Invoice 26 2013

PAID - CK WAS SHORT $82.31

Details

Cashier	mcallen\mca11092
Transaction Date	1/29/2014 1:57:29 PM
Batch Date	1/29/2014
Total Amount	$10,600.32

Tenders

Method	Reference	Amount
CK - Check	10624	$10,600.32

Details

Code	Description	Comments	Amount
RA	HCRMA PPE 12/22/13 SALARY		$9,346.68
RB	HCRMA PPE 12/22/13 OVERTIME		$114.76
RD	HCRMA PPE 12/22/13 FICA		$264.77
RE	HCRMA PPE 12/22/13 TMRS		$596.07
RG	HCRMA PPE 12/22/13 LIFE		$4.85

Office DEPOT

Office Depot, Inc
PO BOX 630813
CINCINNATI OH
45263-0813

ORIGINAL INVOICE

10000

THANKS FOR YOUR ORDER

Contact Number For:
Account Inquiries: (888) 263-3423
Order Inquiries: (800) 721-6592

INVOICE NUMBER	AMOUNT DUE	PAGE NUMBER
692262444001	$14.03	1 of 1
INVOICE DATE	TERMS	PAYMENT DUE
01/27/2014	Net 30	03/02/2014

Federal ID # 59-2663954

Bill To: ATTN: ACCTS PAYABLE
HIDALGO COUNTY REGIONAL MOBILI
510 S PLEASANTVIEW DR
WESLACO TX 78596-9104

Ship To : PHARR CITY HALL
118 S CAGE BLVD FL 4
PHARR TX 78577-4810

ACCOUNT NUMBER	ACCOUNT MANAGER	SHIP TO ID	ORDER NUMBER	ORDER DATE	SHIPPED DATE
52659110	Jimenez, Florita	HCRMA	692262444001	01/24/2014	01/27/2014

BILLING ID	PURCHASE ORDER	RELEASE	ORDERED BY	DESKTOP	COST CENTER
8430570			FLOR KOLL		

CATALOG ITEM # / MANUF CODE	DESCRIPTION / CUSTOMER ITEM #	U/M	QTY ORD	QTY SHIP	QTY B/O	UNIT PRICE	EXTENDED PRICE
873812 6105925-13	FORM,TAX,LSR,1099,25 EMP 873812	PK	1	1	0	14.990	14.99
873812 6105925-13	Coupon Discount	PK	1	1	0	-2.030	-2.03

	SUB-TOTAL	12.96
	DISCOUNT	0.00
	DELIVERY	0.00
	MISCELLANEOUS	0.00
	SALES TAX	1.07
ALL AMOUNTS ARE BASED ON USD CURRENCY	TOTAL	14.03

To return supplies, please repack in original box and insert our packing list, or copy of this invoice. Please note problem so we may issue credit or replacement, whichever you prefer. Please do not ship collect. Please do not return furniture or machines until you call us first for instructions. Shortage or damage must be reported within 5 days after delivery.

▲ DETACH HERE ▲

CUSTOMER NAME	BILLING ID	INVOICE NUMBER	INVOICE DATE	INVOICE AMOUNT	AMOUNT ENCLOSED
HIDALGO COUNTY R EGIONAL MOBILI	8430570	692262444001	01/27/2014	$14.03	

FL0 084305705 692262444001 1 00000001403 1 3

PLEASE SEND YOUR CHECK TO:
OFFICE DEPOT
PO BOX 88040
CHICAGO IL 60680-1040

PLEASE RETURN THIS STUB WITH YOUR PAYMENT TO ENSURE PROMPT CREDIT TO YOUR ACCOUNT.

PLEASE DO NOT STAPLE OR FOLD. THANK YOU

Office DEPOT

Office Depot, Inc
PO BOX 630813
CINCINNATI OH
45263-0813

ORIGINAL INVOICE

10000

THANKS FOR YOUR ORDER

Contact Number For:
Account Inquiries: (888) 263-3423
Order Inquiries: (800) 721-6592

INVOICE NUMBER	AMOUNT DUE	PAGE NUMBER
692262930001	$124.39	1 of 1
INVOICE DATE	TERMS	PAYMENT DUE
01/27/2014	Net 30	03/02/2014

Federal ID # 59-2663954

Bill To: ATTN: ACCTS PAYABLE
HIDALGO COUNTY REGIONAL MOBILI
510 S PLEASANTVIEW DR
WESLACO TX 78596-9104

Ship To : PHARR CITY HALL
118 S CAGE BLVD FL 4
PHARR TX 78577-4810

ACCOUNT NUMBER	ACCOUNT MANAGER	SHIP TO ID	ORDER NUMBER	ORDER DATE	SHIPPED DATE
52659110	Jimenez, Florita	HCRMA	692262930001	01/24/2014	01/27/2014

BILLING ID	PURCHASE ORDER	RELEASE	ORDERED BY	DESKTOP	COST CENTER
8430570			FLOR KOLL		

CATALOG ITEM # / MANUF CODE	DESCRIPTION / CUSTOMER ITEM #	U/M	QTY ORD	QTY SHIP	QTY B/O	UNIT PRICE	EXTENDED PRICE
753475 31000	TAB,ADHESIVE,PRM,BLNK,WH 753475	PK	10	10	0	2.590	25.90
753475 31000	Coupon Discount	PK	10	10	0	-0.350	-3.50
536648 99932992	PAPER,COPY,OD,11X17,5CA, 536648	CA	1	1	0	56.990	56.99
536648 99932992	Coupon Discount	CA	1	1	0	-7.710	-7.71
935487 LC614PKS	INK,BROTHER LC61,4PK,BLK 935487	PK	1	1	0	49.990	49.99
935487 LC614PKS	Coupon Discount	PK	1	1	0	-6.760	-6.76

	SUB-TOTAL	114.91
	DISCOUNT	0.00
	DELIVERY	0.00
	MISCELLANEOUS	0.00
	SALES TAX	9.48
ALL AMOUNTS ARE BASED ON USD CURRENCY	TOTAL	124.39

To return supplies, please repack in original box and insert our packing list, or copy of this invoice. Please note problem so we may issue credit or replacement, whichever you prefer. Please do not ship collect. Please do not return furniture or machines until you call us first for instructions. Shortage or damage must be reported within 5 days after delivery.

▲ DETACH HERE ▲

CUSTOMER NAME	BILLING ID	INVOICE NUMBER	INVOICE DATE	INVOICE AMOUNT	AMOUNT ENCLOSED
HIDALGO COUNTY R EGIONAL MOBILI	8430570	692262930001	01/27/2014	$124.39	

FL0 084305705 692262930012 00000012439 1 4

PLEASE SEND YOUR CHECK TO:
OFFICE DEPOT
PO BOX 88040
CHICAGO IL 60680-1040

PLEASE RETURN THIS STUB WITH YOUR PAYMENT TO ENSURE PROMPT CREDIT TO YOUR ACCOUNT.

PLEASE DO NOT STAPLE OR FOLD. THANK YOU

Inv #2014000243 INVOICE 1/16/2014

A-FAST DELIVERY, LLC
P.O. Box 530402
Harlingen, TX 78553
Phone: (956) 425-7333
Fax: (956) 425-3075
Tax I.D. 27-1584703

A FAST DELIVERY HAS NOW BECOME A FAST DELIVERY LLC AND OUR NEW FEDERAL IDENTIFICATION NUMBER IS 27-1584703 AS OF 01/01/10 .

HCRMA
118 S CAGE
PHARR, TX 78577

This Invoice includes Completed Jobs delivered on or before 1/15/2014.

ITEMIZED LISTING

JobNumber	Priority	Legs	Drop Date	Requestor	Reference	Amount Due
2014000111	**REGULAR**		**1/2/2014**	**SG/FLOR**		**$6.50**
From:	HCRMA - 118 S CAGE 4TH FLOOR - PHARR, TX					
To:	HIDALGO CO DRAINAGE DIST - 902 N DOOLITTLE - EDINBURG, TX 78542					
Released:	1/2/2014 12:48 pm	Dropped Off: 1/2/2014 2:18 pm				
2014000616	**REGULAR**		**1/8/2014**	**TS/FLOR**		**$6.50**
From:	HCRMA - 118 S CAGE 4TH FLOOR - PHARR, TX					
To:	TEXAS DEPT OF TRANSPORTATION - 600 W EXPWY 83 - PHARR, TX 78577					
Released:	1/8/2014 12:03 pm	Dropped Off: 1/8/2014 1:04 pm				
2014000728	**REGULAR**		**1/9/2014**	**TS/FLOR**		**$7.50**
From:	HCRMA - 118 S CAGE 4TH FLOOR - PHARR, TX					
To:	RIO BANK - 401 N BENTSEN PALM DRIVE - MISSION, TX					
Released:	1/9/2014 1:00 pm	Dropped Off: 1/9/2014 2:10 pm				
2014001091	**HOT-SHOT**		**1/14/2014**	**TS/FLOR**		**$15.50**
From:	HCRMA - 118 S CAGE 4TH FLOOR - PHARR, TX					
To:	LINEBERGER,GOGGAN,BLAIR & SEMP - 205 S PIN OAK AVE - EDINBURG, TX 78539					
Released:	1/14/2014 8:43 am	Dropped Off: 1/14/2014 10:23 am				
2014001092	**HOT-SHOT**		**1/14/2014**	**TS/FLOR**		**$15.50**
From:	HCRMA - 118 S CAGE 4TH FLOOR - PHARR, TX					
To:	CANTU CONSTRUCTION - 5221 N MCCOLL - MCALLEN, TX					
Released:	1/14/2014 8:43 am	Dropped Off: 1/14/2014 9:35 am				
2014001093	**HOT-SHOT**		**1/14/2014**	**TS/FLOR**		**$17.00**
From:	HCRMA - 118 S CAGE 4TH FLOOR - PHARR, TX					
To:	RIO BANK - 401 N BENTSEN PALM DRIVE - MISSION, TX					
Released:	1/14/2014 8:44 am	Dropped Off: 1/14/2014 9:59 am				
2014001117	**REGULAR**		**1/14/2014**	**TS/BERNICE**		**$7.50**
From:	RIO BANK - 401 N BENTSEN PALM DRIVE - MISSION, TX					
To:	HCRMA - 118 S CAGE 4TH FLOOR - PHARR, TX					
Released:	1/14/2014 10:02 am	Dropped Off: 1/14/2014 12:18 pm				
2014001259	**EXCLUSIVE**		**1/15/2014**	**TS/FLOR**		**$29.50**
From:	HCRMA - 118 S CAGE 4TH FLOOR - PHARR, TX					
To:	CITY OF MCALLEN - 1300 HOUSTON - MCALLEN, TX 78501					
Released:	1/15/2014 11:03 am	Dropped Off: 1/15/2014 11:35 am				

Number of Jobs: 8

Total Charges:	**$105.50**
Total Credits:	**$0.00**
Amount Due:	**$105.50**

Inv #2014000426 INVOICE 2/3/2014

A-FAST DELIVERY, LLC
P.O. Box 530402
Harlingen, TX 78553
Phone: (956) 425-7333
Fax: (956) 425-3075
Tax I.D. 27-1584703

A FAST DELIVERY HAS NOW BECOME A FAST DELIVERY LLC AND OUR NEW FEDERAL IDENTIFICATION NUMBER IS 27-1584703 AS OF 01/01/10 .

HCRMA
118 S CAGE
PHARR, TX 78577

This Invoice includes Completed Jobs delivered on or before 1/31/2014.

ITEMIZED LISTING

JobNumber	Priority	Legs	Drop Date	Requestor	Reference	Amount Due
2014001518	**EXCLUSIVE**		**1/17/2014**	**SG/RACHEL**		**$29.50**
From:	SALINAS ALLEN & SCHMITT - 2300 W.PIKE BLVD STE 201 - WESLACO, TX 78596					
To:	HCRMA - 118 S CAGE 4TH FLOOR - PHARR, TX					
Released:	1/17/2014 11:35 am	Dropped Off: 1/17/2014 12:35 pm				
2014001542	**HOT-SHOT**		**1/17/2014**	**SG/FLOR**		**$15.50**
From:	HCRMA - 118 S CAGE 4TH FLOOR - PHARR, TX					
To:	EIA PROPERTIES - 506 E CANTON - EDINBURG, TX					
Released:	1/17/2014 2:00 pm	Dropped Off: 1/17/2014 3:28 pm				
2014001543	**HOT-SHOT**		**1/17/2014**	**SG/FLOR**		**$15.50**
From:	HCRMA - 118 S CAGE 4TH FLOOR - PHARR, TX					
To:	LINEBERGER,GOGGAN,BLAIR & SEMP - 205 S PIN OAK AVE - EDINBURG, TX 78539					
Released:	1/17/2014 2:00 pm	Dropped Off: 1/17/2014 3:44 pm				
2014001544	**HOT-SHOT**		**1/17/2014**	**SG/FLOR**		**$15.50**
From:	HCRMA - 118 S CAGE 4TH FLOOR - PHARR, TX					
To:	CANTU CONSTRUCTION - 5221 N MCCOLL - MCALLEN, TX					
Released:	1/17/2014 2:00 pm	Dropped Off: 1/17/2014 2:55 pm				
2014001545	**HOT-SHOT**		**1/17/2014**	**SG/FLOR**		**$15.50**
From:	HCRMA - 118 S CAGE 4TH FLOOR - PHARR, TX					
To:	IBC BANK - 1 S BROADWAY - MCALLEN, TX 78501					
Released:	1/17/2014 2:00 pm	Dropped Off: 1/17/2014 3:30 pm				
2014001546	**HOT-SHOT**		**1/17/2014**	**SG/FLOR**		**$15.50**
From:	HCRMA - 118 S CAGE 4TH FLOOR - PHARR, TX					
To:	CITY OF MCALLEN - 1300 HOUSTON - MCALLEN, TX 78501					
Released:	1/17/2014 2:00 pm	Dropped Off: 1/17/2014 3:38 pm				
2014001547	**HOT-SHOT**		**1/17/2014**	**SG/FLOR**		**$17.00**
From:	HCRMA - 118 S CAGE 4TH FLOOR - PHARR, TX					
To:	RIO BANK - 495 BENTSEN RD - MISSION, TX					
Released:	1/17/2014 2:00 pm	Dropped Off: 1/17/2014 4:10 pm				
2014001550	**HOT-SHOT**		**1/17/2014**	**SG/FLOR**		**$17.00**
From:	HCRMA - 118 S CAGE 4TH FLOOR - PHARR, TX					
To:	DENNIS BURLESON - 1504 DONS DR - MISSION, TX 78501					
Released:	1/17/2014 2:14 pm	Dropped Off: 1/17/2014 3:42 pm				
2014001680	**REGULAR**		**1/20/2014**	**TS/RACHEL**		**$8.25**
From:	SALINAS ALLEN & SCHMITT - 2300 W.PIKE BLVD STE 201 - WESLACO, TX 78596					
To:	HCRMA - 118 S CAGE 4TH FLOOR - PHARR, TX					
Released:	1/20/2014 12:27 pm	Dropped Off: 1/20/2014 1:32 pm				

JobNumber	Priority	Legs	Drop Date	Requestor	Reference	Amount Due
2014001687	**REGULAR**		**1/20/2014**	**SG/FLOR**		**$6.50**
From:	HCRMA - 118 S CAGE 4TH FLOOR - PHARR, TX					
To:	EIA PROPERTIES - 506 E CANTON - EDINBURG, TX					
Released:	1/20/2014 1:05 pm	Dropped Off: 1/20/2014 2:08 pm				
2014001688	**REGULAR**		**1/21/2014**	**SG/FLOR**		**$6.50**
From:	HCRMA - 118 S CAGE 4TH FLOOR - PHARR, TX					
To:	HIDALGO CO JUDGE RAMON GARCIA - 302 W UNIVERSITY - EDINBURG, TX 78539					
Released:	1/21/2014 7:30 am	Dropped Off: 1/21/2014 9:30 am				
2014001689	**REGULAR**		**1/21/2014**	**SG/FLOR**		**$6.50**
From:	HCRMA - 118 S CAGE 4TH FLOOR - PHARR, TX					
To:	HIDALGO CO PCT4 JOSEPH PALACIO - 1051 N DOOLITTLE - EDINBURG, TX					
Released:	1/21/2014 7:30 am	Dropped Off: 1/21/2014 9:15 am				
2014001690	**REGULAR**		**1/21/2014**	**SG/FLOR**		**$6.50**
From:	HCRMA - 118 S CAGE 4TH FLOOR - PHARR, TX					
To:	LINEBERGER,GOGGAN,BLAIR & SEMP - 205 S PIN OAK AVE - EDINBURG, TX 78539					
Released:	1/21/2014 7:30 am	Dropped Off: 1/21/2014 9:38 am				
2014001691	**REGULAR**		**1/20/2014**	**SG/FLOR**		**$6.50**
From:	HCRMA - 118 S CAGE 4TH FLOOR - PHARR, TX					
To:	CANTU CONSTRUCTION - 5221 N MCCOLL - MCALLEN, TX					
Released:	1/20/2014 1:06 pm	Dropped Off: 1/20/2014 2:45 pm				
2014001692	**REGULAR**		**1/21/2014**	**SG/FLOR**		**$6.50**
From:	HCRMA - 118 S CAGE 4TH FLOOR - PHARR, TX					
To:	IBC BANK - 1 S BROADWAY - MCALLEN, TX 78501					
Released:	1/21/2014 7:30 am	Dropped Off: 1/21/2014 10:05 am				
2014001693	**REGULAR**		**1/20/2014**	**SG/FLOR**		**$6.50**
From:	HCRMA - 118 S CAGE 4TH FLOOR - PHARR, TX					
To:	DANNEN BAUM ENGINEERING - 1109 NOLANA LOOP STE 208 - MCALLEN, TX 78501					
Released:	1/20/2014 1:07 pm	Dropped Off: 1/20/2014 2:30 pm				
2014001694	**REGULAR**		**1/21/2014**	**SG/FLOR**		**$6.50**
From:	HCRMA - 118 S CAGE 4TH FLOOR - PHARR, TX					
To:	LAW OFFICE OF DANIEL RIOS - 323 NOLANA - MCALLEN, TX					
Released:	1/21/2014 7:30 am	Dropped Off: 1/21/2014 10:16 am				
2014001695	**REGULAR**		**1/20/2014**	**SG/FLOR**		**$6.50**
From:	HCRMA - 118 S CAGE 4TH FLOOR - PHARR, TX					
To:	CITY OF MCALLEN - 1300 HOUSTON - MCALLEN, TX 78501					
Released:	1/20/2014 1:07 pm	Dropped Off: 1/20/2014 2:12 pm				
2014001696	**REGULAR**		**1/21/2014**	**SG/FLOR**		**$6.50**
From:	HCRMA - 118 S CAGE 4TH FLOOR - PHARR, TX					
To:	TEXAS DEPT OF TRANSPORTATION - 600 W EXPWY 83 - PHARR, TX 78577					
Released:	1/21/2014 7:30 am	Dropped Off: 1/21/2014 9:30 am				
2014001697	**REGULAR**		**1/21/2014**	**SG/FLOR**		**$6.50**
From:	HCRMA - 118 S CAGE 4TH FLOOR - PHARR, TX					
To:	HIDALGO CO PCT2 TITO PALACIOS - 300 HALL ACRES - PHARR, TX					
Released:	1/21/2014 7:30 am	Dropped Off: 1/21/2014 11:10 am				
2014001698	**REGULAR**		**1/21/2014**	**SG/FLOR**		**$7.50**
From:	HCRMA - 118 S CAGE 4TH FLOOR - PHARR, TX					
To:	HIDALGO CO PCT3 JOE FLORES - 724 N BREYFOGAL - MISSION, TX 78572					
Released:	1/21/2014 7:30 am	Dropped Off: 1/21/2014 9:57 am				
2014001699	**REGULAR**		**1/21/2014**	**SG/FLOR**		**$7.50**
From:	HCRMA - 118 S CAGE 4TH FLOOR - PHARR, TX					
To:	RIO BANK - 401 N BENTSEN PALM DRIVE - MISSION, TX					
Released:	1/21/2014 7:30 am	Dropped Off: 1/21/2014 9:50 am				
2014001700	**REGULAR**		**1/20/2014**	**SG/FLOR**		**$7.50**
From:	HCRMA - 118 S CAGE 4TH FLOOR - PHARR, TX					
To:	DENNIS BURLESON - 1504 DONS DR - MISSION, TX 78501					
Released:	1/20/2014 1:08 pm	Dropped Off: 1/20/2014 2:25 pm				

JobNumber	Priority	Legs	Drop Date	Requestor	Reference	Amount Due
2014001701	**REGULAR**		**1/21/2014**	**SG/FLOR**		**$8.25**
From:	HCRMA - 118 S CAGE 4TH FLOOR - PHARR, TX					
To:	HIDALGO CO PCT 1 - 1902 JOE STEPHENS - A C CUELLAR - WESLACO, TX 78596					
Released:	1/21/2014 7:30 am	Dropped Off: 1/21/2014 9:18 am				
2014002493	**REGULAR**		**1/28/2014**	**SG/FLOR**		**$6.50**
From:	HCRMA - 118 S CAGE 4TH FLOOR - PHARR, TX					
To:	CITY OF MCALLEN - 1300 HOUSTON - MCALLEN, TX 78501					
Released:	1/28/2014 8:58 am	Dropped Off: 1/28/2014 10:00 am				
2014002596	**HOT-SHOT**		**1/28/2014**	**SG/FLOR**		**$15.50**
From:	HCRMA - 118 S CAGE 4TH FLOOR - PHARR, TX					
To:	CITY OF MCALLEN - 1300 HOUSTON - MCALLEN, TX 78501					
Released:	1/28/2014 2:15 pm	Dropped Off: 1/28/2014 3:45 pm				
2014002949	**REGULAR**		**1/31/2014**	**SG/FLOR**		**$6.50**
From:	CITY OF MCALLEN - 1300 HOUSTON - MCALLEN, TX 78501					
To:	HCRMA - 118 S CAGE 4TH FLOOR - PHARR, TX					
Released:	1/31/2014 10:19 am	Dropped Off: 1/31/2014 11:40 am				

Number of Jobs: 27

Total Charges:	**$280.00**
Total Credits:	**$0.00**
Amount Due:	**$280.00**

INVOICE

City of Pharr, Texas
Attn: Lizette Gomez, Treasury Coordinator

P.O. Box 1729
Pharr, Texas 78577
Phone 956-402-4150 ext. 1908
Fax 956-702-5318

DATE: FEBRUARY 3, 2014

TO HCRMA
Attn: Pilar Rodriguez, Executive Director
118 S. Cage Blvd., 4th Floor
Pharr, TX 78577
(956)607-8330

CONTACT PERSON	PAST DUE	CURRENT	AMOUNT TO PAY	DUE DATE	INVOICE NUMBER
Lizette Gomez		$ 1,000.00	$ 1,000.00	02/15/14	HC020314

QTY	ITEM #	DESCRIPTION	UNIT PRICE	DISCOUNT	LINE TOTAL
1		Rent for Office and Public Meeting Space- FEBRUARY 2014	$ 1,000.00		$ 1,000.00
			TOTAL DISCOUNT	0.00	0.00
				SUBTOTAL	$ 1,000.00
				SALES TAX	0.00
				TOTAL	$ 1,000.00

Make all checks payable to: City of Pharr

THANK YOU!

DAHILL INVOICE

Schedule Number: 472 Invoice Date: 1/30/2014 Due Date: 3/15/2014

Invoice Number: 31577681 - 4

Bill To:	Remit To:	Total Amount Due:
Hildalgo County Regional Mobility Authority Accounts Payable 118 S. Cage Blvd. Pharr, TX 78577	**Dahill** Attn: Copier Program Division PO Box 69 Manhattan, KS 66505-0069 Phone: 1-877-291-7786 Supplies Phone: 1-800-413-3526 ext 10606	**$905.35** Tax ID# 58-2481442

Equipment Installed At	Lease Term	PO Number
118 S. Cage Blvd, Pharr, TX 78577	48 (In Months)	N/A

Lease Description: Payment Number: 4 of 48 **Payment Descriptio**

Payment Covers Period of:	Lease Amount	Total Payment Due:
1/22/2014 — 2/21/2014	$905.35	**$905.35**

Copier Information: InstallDate: 10/22/2013

Serial Number	Model Number	Copier Location
XPN547768	Xerox XC570	

Total Payment Due: $905.35

Remit Payments to:

Dahill Attn: Copier Program Division PO Box 69 Manhattan, KS 66505-0069

THANK YOU FOR YOUR PROMPT PAYMENT

INVOICE

FROM Celia Gaona
1307 N. Glasscock
Mission, TX 78572
(210) 771-3775

TO Pilar Rodriguez, PE
Executive Director
Hidalgo County Regional Mobility Authority
118 S. Cage Rd, Pharr, TEXAS 78577
(956) 402-4762

Invoice No. 10008
Invoice Date January 27, 2014

Description	Unit Price	Quantity	Amount
Preparation of the Cash Disbursement Policies and Procedures	$35.00	12	$420.00
Preparation of the Timekeeping Policies and Procedures	$35.00	12	$420.00
Revision of the Internal Ethics & Compliance Manual	$35.00	24	$840.00

Total $1,680.00

Billed in accordance with the proposal agreement dated June 12, 2013.

Peña Designs
P.O. Box 9572
Huntsville, TX 77340
Phone (956) 655-9790
penadesigns@gmail.com

INVOICE

Invoice #20
Date: January 30, 2014

TO:
Hidalgo County Regional Mobility Authority
P.O. Box 1766
Pharr, TX 78577

FOR:
Website Maintenance

SERVICES	AMOUNT
January 1-31, 2014 10 hours total for website maintenance – 10 hours at $15.00 per hour	$150.00
TOTAL DUE	$150.00

Make all checks payable to **Peña Designs**
Payment is due within 30 days.
If you have any questions concerning this invoice, contact
Eric Peña
(956)655-9790
penadesigns@gmail.com

Thank you for your business!

SALINAS, ALLEN & SCHMITT, LLP

Certified Public Accountants ◆ Business and Tax Consultants

ID: 108066

Invoice: 104924

Date: 01/23/2014

Due Date: 02/22/2014

Hidalgo County Regional Mobility Authority

P. O. Box 1766

Pharr, TX 78577

For professional service rendered as follows:

Staff	Date	Rate	Hrs	Amount	Comments
Cheryl	12/16/13	150.00 Hr	5.00	750.00	Re-do chart of accounts and financial statement format per J. Dale request
Cheryl	12/17/13	150.00 Hr	8.00	1,200.00	Set up new chart of accounts and formatting financial statements
Cheryl	12/18/13	150.00 Hr	2.00	300.00	Set up new grouping schedules on trial balance
Cheryl	12/31/13	150.00 Hr	3.00	450.00	Set up current year budget on chart of accounts; set up contra cash accounts
Cheryl	01/06/14	150.00 Hr	2.00	300.00	Formatting new interim financial statements as a result of changes requested by J. Dale
Cheryl	01/09/14	150.00 Hr	7.50	1,125.00	Formatting financial statements for new chart of accounts
Cheryl	01/11/14	150.00 Hr	8.00	1,200.00	Meet with J. Dale on new chart of accounts and financial statement format. Work on chart of accounts and formatting financial statements
Cheryl	01/13/14	150.00 Hr	5.00	750.00	Formatting new financial statements
Cheryl	01/15/14	150.00 Hr	3.50	525.00	Formatting new financial statements for new funds and chart of accounts
Cheryl	01/16/14	150.00 Hr	4.00	600.00	Formatting financial statements for new funds and chart of accounts
Mark	12/16/13	150.00 Hr	3.25	487.50	Work with Cheryl on new Creative Solutions Accounting general ledger setup
Mark	12/17/13	150.00 Hr	1.00	150.00	Work with Cheryl on new Creative Solutions Accounting general ledger setup
Mark	12/31/13	150.00 Hr.	1.00	150.00	Work with Cheryl on chart of accounts and grouping for consolidated cash account
				7,987.50	

Billed Time & Expenses	$7,987.50
Invoice Total	$7,987.50

Please include your Client ID with your payment. Thank you.

Effective January 1, 2014 amounts not paid within 30 days from the invoice date will be subject to a late payment charge of 1.5% per month (18% per year)

SALINAS, ALLEN & SCHMITT, LLP

Certified Public Accountants ◆ Business and Tax Consultants

ID: 108066

Invoice: 105115

Date: 02/12/2014

Due Date: 03/14/2014

Hidalgo County Regional Mobility Authority

P. O. Box 1766

Pharr, TX 78577

For professional service rendered as follows:

Monthly bookkeeping in January, 2014. 850.00

Billed Time & Expenses	$850.00
Invoice Total	$850.00

Please include your Client ID with your payment. Thank you.

Effective January 1, 2014 amounts not paid within 30 days from the invoice date will be subject to a late payment charge of 1.5% per month (18% per year)

It has been said that the highest compliment you can pay any business is through client referrals. As our client, the trust you place in us is emphasized when you call us with a client referral. We welcome your referrals and treat them with extra care knowing they come directly from you. Be assured that all accounts are maintained in strict confidence. We look forward to serving your referrals.

Bracewell & Giuliani LLP
ATTORNEYS AT LAW

P. O. Box 848566
Dallas, TX 75284-8566
713 223-2300
TAX ID 74-1024827

Remittance Page

January 14, 2014
035858
INVOICE NO: 21568994
04996

Client: Hidalgo County Regional Mobility Authority HCRMA
Matter: General
Matter No: 035858.000002

Billing Summary

Balance Forward	**$ 85.50**
Payments/Credits Since Previous Invoice	$ (85.50)
Matter Balance Brought Forward	**$ 0.00**
Total Current Billing for this Matter	$ 456.00
Please Remit Total Balance Due	**$ 456.00**

Please Return this Remittance Page with Your Payment

WIRE TRANSFER INFORMATION

Wire to: Bank of America, 901 Main Street, Dallas, Texas
Name on Account: Bracewell & Giuliani LLP
Bank Account No: 001390004197
ABA Number (For **Wire Transfers Only**): 026009593; (For **ACH'S Only**): 111000025
For International Wires Also Include:
Swift Code **(U.S. Funds): BOFAUS3N;** Swift Code **(Foreign Funds): BOFAUS6S**
Please include the invoice number as a reference when sending the wire.

Bracewell & Giuliani LLP
ATTORNEYS AT LAW

P. O. Box 848566
Dallas, TX 75284-8566
713 223-2300
TAX ID 74-1024827

Remittance Page

February 12, 2014
035858
INVOICE NO: 21572409
04996

Client: Hidalgo County Regional Mobility Authority HCRMA
Matter: General
Matter No: 035858.000002

Billing Summary

Balance Forward	**$ 456.50**
Payments/Credits Since Previous Invoice	$ (0.50)
Matter Balance Brought Forward	**$ 456.00**
Total Current Billing for this Matter	$ 142.50
Please Remit Total Balance Due	**$ 598.50**

Please Return this Remittance Page with Your Payment

WIRE TRANSFER INFORMATION

Wire to: Bank of America, 901 Main Street, Dallas, Texas
Name on Account: Bracewell & Giuliani LLP
Bank Account No: 001390004197
ABA Number (For **Wire Transfers Only**): 026009593; (For **ACH'S Only**): 111000025
For International Wires Also Include:
Swift Code **(U.S. Funds): BOFAUS3N**; Swift Code **(Foreign Funds): BOFAUS6S**
Please include the invoice number as a reference when sending the wire.

pay this amount for Invoice 21572409 FK

STATEMENT FOR PROFESSIONAL SERVICES IS PAYABLE UPON PRESENTATION
INVOICE AMOUNT DUE IN UNITED STATES DOLLARS

Law Office of Daniel G. Rios

Invoice submitted to:

Hidalgo County Regional Mobility Authority
c/o Pilar Rodriguez
P.O. Box 1766
Pharr, Texas 78577

January 22, 2014

In Reference To: HCRMA PROJECT
Invoice #10539

	Hrs/Rate	Amount
Professional Services		
For professional services rendered	3.70	$925.00
Previous balance		$7,250.00
Accounts receivable transactions		
12/19/2013 Payment - Thank You		($7,250.00)
Total payments and adjustments		
Balance due		$925.00

HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY
2014 PAYMENT SUMMARY

First National Bank - Visa
Authorized cardholder - Flor E. Koll
Account #### #### #### 0364

Credit Card Statement

Closing Date	1/31/2014	Total Paid to Date
Monthly Billing	$2,045.39	$2,045.39
	$2,045.39	
	Amount Approved for Payment	

Approved for Payment
Pilar Rodriguez
Executive Director

2/12/2014
Date

FLOR E KOLL
H C R M A

PlainsCapitalBank

Account Number: #### #### #### 0364
Closing Date: 01/31/14
Credit Limit: $7,500.00
Available Credit: $5,454.61
Cash Advance Limit: $3,700.00
Cash Advance Available: $3,700.00

Account Inquiries

Customer Service: (866) 809-8409
Lost or Stolen Card: (866) 809-8412

Please Direct Written Inquiries to:
CUSTOMER SERVICE
PO BOX 30495
TAMPA , FL 33630-3495

To pay on-line:
www.webfnb.com

Account Summary

Previous Balance		$	363.82
Purchases	+		2,033.14
Cash	+		0.00
Special	+		0.00
Credits	-		10.83 -
Payments	-		363.82 -
Other Debits	+		0.00
Finance Charges	+		~~23.08~~
NEW BALANCE		$	**2,045.39**

Scorecard
Bonus Points Available 29,137

1 2 2
2/12/2014
Pay Only ↑

Payment Information

Total Minimum Payment Due $85.08
Payment Due Date 02/25/14

Minimum Payment	$	62.00
Over limit / Fees	$	23.08

Mail Payments to: PLAINSCAPITAL BANK PO BOX 31021 TAMPA FL 33631-3021

Important News

SCOREMORE BONUS POINTS THIS YEAR!!! YOUR REWARDS CARD GIVES YOU MORE BONUS POINTS - 2X, 3X, 4X OR MORE - THROUGH OUR SCOREMORE MALL. SCOREMORE IS A FEATURE OF SCORECARD REWARDS THAT ALLOWS YOU TO EARN ADDITIONAL BONUS POINTS AT PARTICIPATING RETAILERS ONLINE AND IN STORES. VISIT WWW.SCORECARDREWARDS.COM TODAY FOR MORE DETAILS!

Account Activity Since Your Last Statement

Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
01/06	01/07	BUS003	2469216400600534073078	VZWRLSS*PRPAY AUTOPAY 888-294-6804 CA	$ 20.00
01/07	01/09	BUS003	2422443400910103676778	RUTH'S CHRIS STEAK SAN ANTONIO TX	283.71
01/08	01/10	BUS003	2461043400900407519870 1	HYATT GRAND SA CONVENT CT SAN ANTONIO TX	297.50
01/08	01/10	BUS003	2461043400900407519965 9	HYATT GRAND SA CONVENT CT SAN ANTONIO TX	270.22
01/08	01/10	BUS003	2461043400900407520024 2	HYATT GRAND SA CONVENT CT SAN ANTONIO TX	166.32
01/08	01/10	BUS003	2461043400900407519938 6	HYATT GRAND SA CONVENT CT SAN ANTONIO TX	128.43
01/08	01/10		7461043400900407519989 4	CREDIT VOUCHER HYATT GRAND SA CONVENT CT SAN ANTONIO TX	10.83 -
01/15	01/15	BUS003	2469216401500093607951 6	VZWRLSS*IVR VE 800-922-0204 NJ	108.30
01/15	01/16	BUS003	2469216401500015123519 9	ACT*TEXPO 877-551-5560 CA	375.00
01/20	01/21	BUS003	2469216402000007835796 2	ACT*TEXPO 877-551-5560 CA	375.00
01/21	01/24	BUS003	2416407402286803598000 3	DOLRTREE 2245 00022459 PHARR TX	8.66
			Payments, Adjustments and Others		
01/30	01/31		7444736403000137012203 6	PAYMENT - THANK YOU	363.82 -

THE TOTAL FINANCE CHARGE PAID ON YOUR ACCOUNT DURING THE PAST YEAR WAS $167.03

PLEASE DETACH COUPON AND RETURN PAYMENT USING THE ENCLOSED ENVELOPE - ALLOW 5 DAYS FOR MAIL DELIVERY 5082

PLAINSCAPITAL BANK
PO BOX 2049
EDINBURG TX 78540-2049

PlainsCapitalBank

Account Number
0364

Check box to indicate name/address change on back of this coupon ☐

Closing Date	New Balance	Total Minimum Payment Due	Payment Due Date
01/31/14	$2,045.39	$85.08	02/25/14

AMOUNT OF PAYMENT ENCLOSED
$

FLOR E KOLL
H C R M A
PO BOX 1766
PHARR TX 78577-1633

9304

MAKE CHECK PAYABLE TO:
PLAINSCAPITAL BANK
PO BOX 31021
TAMPA FL 33631-3021

21 4447 3600 0001 0364 00008508 00204539 2

HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY
PAYMENT SUMMARY

L&G Engineering - SH 365 Segment 1 - FM 1016 to McColl Road
$5,915,101.32 * Maximum payable fee

Maximum fee minus approved WA $597,260.11

		Invoice Date											WA	WA
	Approved WA Amount	5/25/2012	7/5/2012	8/1/2012	9/4/2012	10/3/2012	10/31/2012	11/30/2012	12/31/2012	1/31/2013	2/28/2013	3/31/2013	Total Billed	Balance
WA#1	$998,837.67	$111,770.62	$114,043.63	$110,921.36	$108,063.46	$114,434.74		$47,242.33	$31,200.52	$35,448.02	$41,622.86	$37,737.61	$752,485.15	$246,352.52
Supp#1 WA#1	$310,893.87						$102,011.62	$58,549.48	$40,718.83	$13,102.79	$15,462.88	$13,220.34	$243,065.94	$67,827.93
	$1,309,731.54												$995,551.09	$314,180.45

		Invoice Date					WA	WA
	Approved WA Amount	4/30/2013	5/30/2013	6/30/2013	12/4/2013	2/5/2014	Total Billed	Balance
WA#1	$998,837.67	$43,725.40	$44,978.07	$63,353.20			$904,541.82	$94,295.85
Supp#1 WA#1	$310,893.87	$16,130.53	$7,451.25	$20,161.95			$286,809.67	$24,084.20
WA#2	$288,223.86				$27,764.14	$15,500.56	$43,264.70	$244,959.16
WA#3	$3,719,885.81					$107,817.53	$107,817.53	$3,612,068.28
	$5,317,841.21					**$123,318.09**	$1,342,433.72	$3,975,407.49

Amount Approved for Payment

*Note: Maximum payable fee and WA#1 awarded and approved on April 11, 2011 in the amount of $5,887,542.43 and $998,837.67 respectively.
Supp#1 to WA#1 approved October 18, 2012 to provided preliminary engineering from FM 396 to FM 1016 as part of environmental clearance in the amount of $310,893.87.
Maximum payable fee revised on November 21, 2012 to the amount of $5,915,101.32 to revise project limits and DBE reporting requirements.
WA#2 was approved November 20, 2013 to provide US IBWC bridge layouts in the amount of $288,223.86.
WA#3 was approved December 18, 2013 to provide final PS&E for SH 365 in the amount of $3,719,885.21

P. R.
Approved for Payment

2/12/2014
Date

VRF 2013 Bond Construction Account # 01080720130

Prepared by:
P. Rodriguez, PE
Tx PE #85,567
2/12/2014

HCRMA
HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY

FEB 2014
DANNENBAUM ENGINEERING

REQUEST FOR RECOMMENDATION ON PAYMENT

To: Dannenbaum Engineering
Attn: Louis Jones, HCRMA Project Manager
1109 Nolana Loop, Suite 208
McAllen, Texas 78504

Month and Year	January 2014
Contractor	L&G Consulting Engineering
Project/WA	SH365/Seg 2/WA#3
Invoice #	11324739
Amount	$107,817.53
Date Sent	02/05/2014

Date Received	
Received by	

Recommendation: [X] Approval [ ] Disapproval

Comments (if any):

Approved for Payment

2/12/2014

Louis Jones, HCRMA Program Manager

Date 2/10/14

Please return this form via email to fkoll@hcrma.net

L&G Engineering
Transportation Consultants

INVOICE PERIOD: *01/22/14 through 1/31/14* **INVOICE AMOUNT:** *$ 107,817.53*

February 3, 2014

Mr. Pilar Rodriguez, P.E. – Executive Director HCRMA
ATTN: Mr. Louis H. Jones, P.E. – Program Manager HCRMA
Hidalgo County Regional Mobility Authority
118 S. Cage Blvd., 4th Floor
Pharr, Texas 78577

RE: Work Authorization #3 on SH 365 Segment 2
Invoice No. 11324739

Dear Mr. Jones:

Attached for your review and approval is our invoice for services rendered during the month of January 2014 on the subject referenced project. Since we are not yet set up through ProjectWise, the below referenced work product deliverables have been uploaded via DEC's FTP to the following directory: 14 02-05 TO. In addition, we have attached a CD with all of the files listed.

The following is attached:

- L&G Invoice No. 11324739
- B2Z Sub Invoice
- CD Containing:
  - DGN's for 30% Bridge Layouts (L&G & B2Z)
  - PDF of 30% Bridge Layout Plan Sheets (L&G & B2Z)
  - PDF Of Final Schematic

The following is a narrative of the progress for this period.

TASK
FC110 (Special Service): SCHEMATIC REDESIGN (VE & PM RECOMMENDATIONS)
UPDATED: *L&G Engineering has revised the schematic based on the HCRMA adopted VE recommendations and DEC comments and has previously submitted (and uploaded) the schematic to DEC for further coordination and approval by TxDOT (January 15, 2014).* ✓
FC145: PROJECT MANAGEMENT
UPDATED: *L&G has implemented the requested formatting of the invoicing procedures for WA #3 from DEC and has begun the record keeping structure through ProjectWise. L&G has attended 2 WA development meetings at DEC's office (1/22/14 & 1/31/14). L&G has met with their subs and provided the formatting of the invoicing as well as the file structure. L&G has also conducted a site* ✓

visit of the project area for design purposes.
FC170 (Subtask 170.1): BRIDGE DESIGN – FM 494 Bridge
UPDATED: *L&G has developed (30%) Preliminary Bridge Layouts and Proposed Typical Section for the SHARY RD OVERPASS, EASTBOUND and WESTBOUND mainlanes. This structure consists of a 40ft overall roadway, 3 span bridge (45.0ft ~ 112.0ft ~ 45.0ft) utilizing TX54 girders. MSE walls are currently proposed in accordance with the VE report to shorten the end spans while still maintaining adequate space to incorporate turn-around lanes. The overall length of this bridge structure is proposed at 202.0ft along the centerline of SH365. The layout includes plan & profile view with corresponding limits and orientation of the bridge structure identified.*
FC170 (Subtask 170.3): BRIDGE DESIGN – West Bound 10th Street Bridge
UPDATED: *B2Z has developed (30%) Preliminary Bridge Layouts and Proposed Typical Section for the 10th ST. OVERPASS, WESTBOUND mainlanes. This structure consists of a 40.0ft overall roadway, 3 span bridge (45.0ft ~ 112.0ft ~ 45.0ft) utilizing TX54 girders. MSE walls are currently proposed in accordance with the VE report to shorten the end spans while still maintaining adequate space to incorporate turn-around lanes. The overall length of this bridge structure is proposed at 202.0ft along the centerline of SH365. The layout includes plan & profile view with corresponding limits and orientation of the bridge structure identified.*
FC170 (Subtask 170.4): BRIDGE DESIGN – East Bound 10th Street Bridge
UPDATED: *B2Z has developed (30%) Preliminary Bridge Layouts and Proposed Typical Section for the 10th ST. OVERPASS, EASTBOUND mainlanes (see narrative for WB ML above).*
FC170 (Subtask 170.5): BRIDGE DESIGN – West Bound Canal Bridge
UPDATED: *L&G has developed (30%) Preliminary Bridge Layouts and Proposed Typical Section for the PHARR/SAN JUAN CANAL BRIDGE, WESTBOUND mainlanes. This structure consists of a 40.0ft overall roadway, 2 span bridge (87.0ft ~ 87.0ft) utilizing TX34 girders. The newer lower profile girders may allow for a lowering of the overall PGL and L&G is verifying that against the high water mark elevation of the irrigation canal. The overall length of this bridge structure is proposed at 174.0ft along the centerline of SH365. The layout includes plan & profile view with corresponding limits and orientation of the bridge structure identified.*
FC170 (Subtask 170.6): BRIDGE DESIGN – East Bound Canal Bridge
UPDATED: *L&G has developed (30%) Preliminary Bridge Layouts and Proposed Typical Section for the PHARR/SAN JUAN CANAL BRIDGE, EASTBOUND mainlanes (see narrative for WB ML above).*
FC170 (Subtask 170.7): BRIDGE DESIGN – McColl Rd Underpass Bridge
UPDATED: *B2Z has developed (30%) Preliminary Bridge Layouts and Proposed Typical Section for the McCOLL RD UNDERPASS. This structure consists of a 46.0ft overall roadway, 3 span bridge*

(122.0ft ~ 135.0ft ~ 134.0ft) utilizing TX54 girders. This is the only "Underpass" proposed on Segment 2 of the SH365 project. Careful attention has been paid to the span configuration of this structure to ensure that adequate space is available for future widening and ultimate build-outs of SH365. The overall length of this bridge structure is proposed at 391.0ft along the centerline of McColl Rd. The layout includes plan & profile view with corresponding limits and orientation of the bridge structure identified.

Should you have any questions regarding this submittal, please do not hesitate to call me at (956) 585-1909.

Sincerely,

Behrooz Badiozzamani, P.E.
Project Manager – L&G Engineering, Inc.

SH365/TCC - Segment #2
Invoice #: 11324739
Work Authorization #3

L&G Engineering
Transportation Consultants

JANUARY 2014 INVOICE

HCRMA
HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY

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Limits: From FM 396 (Anzalduas Highway) To McColl Rd
CSJ: 3627-01-001
County: Hidalgo

Bill Through: 1/22/14 TO 1/31/2014
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Contract:
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				($ AMOUNT)	(% COMPLETED)	($ AMOUNT)	(% COMPLETED)		
110	SPECIAL SERVICE - SCHEMATIC REDESIGN (VE & PM RECOMMENDATIONS)								
	FM 494 & FLOODWAY BRIDGE RECONFIGURATION (INCLUDING END SPANS)	L&G	$10,624.85	$0.00	0.00%	$9,562.37	90.00%	$1,062.49	$9,562.37
	REDUCE SH 336 OVERPASS END SPANS	L&G	$5,359.05	$0.00	0.00%	$4,823.15	90.00%	$535.91	$4,823.15
	REMOVE GLASSCOCK RD UNDERPASS	L&G	$1,952.15	$0.00	0.00%	$1,756.94	90.00%	$195.22	$1,756.94
	SIMPLIFY BRIDGE AESTHETICS	L&G	$1,952.15	$0.00	0.00%	$1,756.94	90.00%	$195.22	$1,756.94
	RECONFIGURE TRAFFIC LANE ASSIGNMENTS AT 23RD ST/FLOODWAY/WARE RD	L&G	$8,653.93	$0.00	0.00%	$7,788.54	90.00%	$865.39	$7,788.54
	RECONFIGURE TRAFFIC LANE ASSIGNMENTS AT FM 494/FM 396 (ANZALDUAS HWY)	L&G	$8,653.93	$0.00	0.00%	$7,788.54	90.00%	$865.39	$7,788.54
	REMOVE TURNAROUNDS AT FM 494, SP 115 & SH 336 AND ADD RETAINING WALLS	L&G	$5,607.64	$0.00	0.00%	$5,046.88	90.00%	$560.76	$5,046.88
	REMOVE RAMPS AT SP 115 & FM 494	L&G	$5,607.64	$0.00	0.00%	$5,046.88	90.00%	$560.76	$5,046.88
	ADD BRIDGE TYPICAL SECTIONS (FM 494 & FLOODWAY NEW CONFIGURATION)	L&G	$2,897.13	$0.00	0.00%	$2,607.42	90.00%	$289.71	$2,607.42
	REVISE CROSS SECTIONS (NEW TOPO DATA, BRIDGE SPAN REDUCTION & OVERWEIGHT DES)	L&G	$19,154.14	$0.00	0.00%	$17,238.73	90.00%	$1,915.41	$17,238.73
	REVISE PROFILE (BRIDGE SPANS & LANE RECONFIGURATIONS)	L&G	$9,051.78	$0.00	0.00%	$8,146.60	90.00%	$905.18	$8,146.60
	REVISE SCHEMATIC TO DISPLAY ULTIMATE VS. PHASE I	L&G	$2,393.56	$0.00	0.00%	$2,154.20	90.00%	$239.36	$2,154.20
	SUBTOTAL (FUNCTION 110 - SPECIAL SERVICE SCHEMATIC REDESIGN) =		$81,907.95	$0.00	0%	$73,717.16	90%	$8,190.80	$73,717.16
110	SPECIAL SERVICE - GEOTECHNICAL								
	Subtask 110.1 - Geotechnical Exploration & Laboratory Testing								
	STRUCTURAL/RETAINING WALL/EMBANKMENT	L&G LAB	$146,688.18	$0.00	0.00%	$0.00	0.00%	$146,688.18	$0.00
	MISCELLANEIOUS BORINGS - OH SIGN BRIDGES/HIGH MAST LIGHTING	L&G LAB	$18,302.30	$0.00	0.00%	$0.00	0.00%	$18,302.30	$0.00
	Subtask 110.2 - Geotechnical Engineering & Report								
	DEVELOP PLAN VIEW OF BORING LOGS/BORING STRATIGRAPHY	L&G LAB	$4,127.20	$0.00	0.00%	$0.00	0.00%	$4,127.20	$0.00
	STRUCTURAL EVALUATION OF BORINGS/STRENGTH PROFILES	L&G LAB	$10,824.00	$0.00	0.00%	$0.00	0.00%	$10,824.00	$0.00
	DEVELOP FOUNDATION CAPACITY CURVES (VARIOUS OPTIONS)	L&G LAB	$13,471.60	$0.00	0.00%	$0.00	0.00%	$13,471.60	$0.00
	GLOBAL STABILITY MODELING OF EMBANKMENT/RETAINING WALLS	L&G LAB	$28,422.80	$0.00	0.00%	$0.00	0.00%	$28,422.80	$0.00
	SETTLEMENT ANALYSIS (APPROACH EMBANKMENT/RETAINING WALLS)	L&G LAB	$13,471.60	$0.00	0.00%	$0.00	0.00%	$13,471.60	$0.00
	FOUNDATION TYPE AND CONSTRUCTION RECOMMENDATIONS	L&G LAB	$10,590.40	$0.00	0.00%	$0.00	0.00%	$10,590.40	$0.00
	GEOTECHNICAL REPORT	L&G LAB	$23,828.40	$0.00	0.00%	$0.00	0.00%	$23,828.40	$0.00
	MEETING AND COORDINATION	L&G LAB	$8,877.20	$0.00	0.00%	$0.00	0.00%	$8,877.20	$0.00
	SUBTOTAL (FUNCTION 110 - SPECIAL SERVICE GEOTECHNICAL) =		$278,603.68	$0.00	0%	$0.00	0%	$278,603.68	$0.00
145	PROJECT MANAGEMENT								
	PREPARE/MANAGE WA (PS&E DEVELOPMENT) (INCLUDING RECORD KEEPING, FILING, ADMIN)	L&G	$24,245.96	$0.00	0.00%	$6,061.49	25.00%	$18,184.47	$6,061.49
	SCHEDULE & ATTEND WORK AUTHORIZATION DEVELOPMENT MEETINGS	L&G	$21,336.56	$0.00	0.00%	$5,334.14	25.00%	$16,002.42	$5,334.14
	COORDINATION/PREPARE SUB WORK AUTHORIZATIONS/MANAGE SUBCONSULTANTS	L&G	$6,415.84	$0.00	0.00%	$962.38	15.00%	$5,453.46	$962.38
	PREPARATION OF INVOICES AND PROGRESS REPORTS	L&G	$26,111.00	$0.00	0.00%	$1,305.55	5.00%	$24,805.45	$1,305.55
	SCHEDULE & ATTEND PRE-DESIGN MEETING	L&G	$3,282.56	$0.00	0.00%	$0.00	0.00%	$3,282.56	$0.00
	SCHEDULE & ATTEND TRAFFIC SAFETY REVIEW MEETING	L&G	$3,282.56	$0.00	0.00%	$0.00	0.00%	$3,282.56	$0.00
	SCHEDULE, ATTEND AND PREPARE MINUTES FOR 2 PROGRESS MEETINGS	L&G	$8,902.64	$0.00	0.00%	$0.00	0.00%	$8,902.64	$0.00
	RESEARCH / REVIEW EXISTING PLANS & DATA	L&G	$15,045.00	$0.00	0.00%	$0.00	0.00%	$15,045.00	$0.00
	PREPARE PROJECT SCHEDULE (UPDATE TWICE)	L&G	$4,874.08	$0.00	0.00%	$0.00	0.00%	$4,874.08	$0.00
	PREPARE & ASSEMBLE PRELIMINARY COST ESTIMATES (1 @ 60% AND 1 @ 100%)	L&G	$11,439.12	$0.00	0.00%	$0.00	0.00%	$11,439.12	$0.00
	CONDUCT SITE VISIT OF PROJECT AREA (6 SITE VISITS)	L&G	$17,730.70	$0.00	0.00%	$2,659.61	15.00%	$15,071.10	$2,659.61
	QC/QA - OVERALL 30% SUBMITTAL	L&G	$13,826.44	$0.00	0.00%	$0.00	0.00%	$13,826.44	$0.00
	QC/QA - OVERALL 60% SUBMITTAL	L&G	$26,285.18	$0.00	0.00%	$0.00	0.00%	$26,285.18	$0.00
	QC/QA - OVERALL 90% SUBMITTAL	L&G	$29,667.20	$0.00	0.00%	$0.00	0.00%	$29,667.20	$0.00
	QC/QA - OVERALL 100% SUBMITTAL	L&G	$29,667.20	$0.00	0.00%	$0.00	0.00%	$29,667.20	$0.00
	ORGANIZE AND DOWNLOAD ELECTRONIC FILE DELIVERABLES	L&G	$1,790.48	$0.00	0.00%	$0.00	0.00%	$1,790.48	$0.00
	COMPLETION OF CPM SCHEDULE (FORMS 1823 & 1002 NOT INCLUDED)	L&G	$8,156.64	$0.00	0%	$0.00	0.00%	$8,156.64	$0.00
	SUBTOTAL (FUNCTION 145 - PROJECT MANAGEMENT) =		$252,059.16	$0.00	0%	$16,323.16	6%	$235,736.00	$16,323.16

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160	ROADWAY DESIGN CONTROLS								
	Subtask 160.1 - Roadway Design Controls (L&G)								
	HORIZONTAL ALIGNMENT DATA SHEETS	L&G	$20,789.40	$0.00	0.00%	$0.00	0.00%	$20,789.40	$0.00
	SURVEY CONTROL INDEX OF SHEETS	L&G	$6,229.40	$0.00	0.00%	$0.00	0.00%	$6,229.40	$0.00
	HORIZONTAL & VERTICAL CONTROL DATA SHEETS	L&G	$6,229.40	$0.00	0.00%	$0.00	0.00%	$6,229.40	$0.00
	REMOVAL PLAN	L&G	$57,171.40	$0.00	0.00%	$0.00	0.00%	$57,171.40	$0.00
	ROADWAY P&P SHEETS - EB & WB MAINLANES	L&G	$87,734.24	$0.00	0.00%	$0.00	0.00%	$87,734.24	$0.00
	ROADWAY P&P SHEETS - RAMPS	L&G	$65,334.44	$0.00	0.00%	$0.00	0.00%	$65,334.44	$0.00
	ROADWAY P&P SHEETS - EB FRONTAGE ROAD	L&G	$50,133.88	$0.00	0.00%	$0.00	0.00%	$50,133.88	$0.00
	ROADWAY P&P SHEETS - WB FRONTAGE ROAD	L&G	$47,727.90	$0.00	0.00%	$0.00	0.00%	$47,727.90	$0.00
	INTERSECTING ROADS	L&G	$40,466.44	$0.00	0.00%	$0.00	0.00%	$40,466.44	$0.00
	INTERSECTION LAYOUTS & DETAILS	L&G	$15,001.68	$0.00	0.00%	$0.00	0.00%	$15,001.68	$0.00
	DRIVEWAY LAYOUTS	L&G	$10,979.22	$0.00	0.00%	$0.00	0.00%	$10,979.22	$0.00
	DRIVEWAY DETAILS	L&G	$1,504.52	$0.00	0.00%	$0.00	0.00%	$1,504.52	$0.00
	MISCELLANEOUS ROADWAY DETAILS	L&G	$6,888.44	$0.00	0.00%	$0.00	0.00%	$6,888.44	$0.00
	ROADWAY STANDARDS	L&G	$3,668.00	$0.00	0.00%	$0.00	0.00%	$3,668.00	$0.00
	PREPARE PLANS ELECTRONIC DELIVERABLES	L&G	$1,143.92	$0.00	0.00%	$0.00	0.00%	$1,143.92	$0.00
	Subtask 160.2 - Roadway Design Controls (RGEC)								
	HORIZONTAL ALIGNMENT DATA SHEETS	RGEC	$2,915.40	$0.00	0.00%	$0.00	0.00%	$2,915.40	$0.00
	SURVEY CONTROL INDEX OF SHEETS	RGEC	$499.77	$0.00	0.00%	$0.00	0.00%	$499.77	$0.00
	HORIZONTAL & VERTICAL CONTROL DATA SHEETS	RGEC	$2,915.40	$0.00	0.00%	$0.00	0.00%	$2,915.40	$0.00
	REMOVAL PLAN	RGEC	$1,499.34	$0.00	0.00%	$0.00	0.00%	$1,499.34	$0.00
	ROADWAY P&P SHEETS - EB & WB MAINLANES	RGEC	$49,228.04	$0.00	0.00%	$0.00	0.00%	$49,228.04	$0.00
	ROADWAY P&P SHEETS - RAMPS	RGEC	$11,286.62	$0.00	0.00%	$0.00	0.00%	$11,286.62	$0.00
	ROADWAY P&P SHEETS - EB FRONTAGE ROAD	RGEC	$11,286.62	$0.00	0.00%	$0.00	0.00%	$11,286.62	$0.00
	ROADWAY P&P SHEETS - WB FRONTAGE ROAD	RGEC	$11,286.62	$0.00	0.00%	$0.00	0.00%	$11,286.62	$0.00
	INTERSECTION LAYOUTS & DETAILS	RGEC	$5,643.31	$0.00	0.00%	$0.00	0.00%	$5,643.31	$0.00
	MISCELLANEOUS ROADWAY DETAILS	RGEC	$5,643.31	$0.00	0.00%	$0.00	0.00%	$5,643.31	$0.00
	ROADWAY STANDARDS	RGEC	$4,581.60	$0.00	0.00%	$0.00	0.00%	$4,581.60	$0.00
	PREPARE PLANS ELECTRONIC DELIVERABLES	RGEC	$2,096.46	$0.00	0.00%	$0.00	0.00%	$2,096.46	$0.00
	SUBTOTAL (FUNCTION 160 - ROADWAY DESIGN CONTROLS) =		**$529,884.77**	**$0.00**	**0.00%**	**$0.00**	**0.00%**	**$529,884.77**	**$0.00**
161	DRAINAGE DETAILS								
	Subtask 161.1 - Drainage (L&G)								
	FIELD TRIP TO VERIFY EXISTING CONDITIONS (TWO TRIPS)	L&G	$3,220.36	$0.00	0.00%	$0.00	0.00%	$3,220.36	$0.00
	PREPARE LARGE AND SMALL DRAINAGE AREA MAPS	L&G	$12,856.76	$0.00	0.00%	$0.00	0.00%	$12,856.76	$0.00
	HYDROLOGY CALCULATIONS (STORM SEWER, CULVERTS, DITCHES)	L&G	$3,674.22	$0.00	0.00%	$0.00	0.00%	$3,674.22	$0.00
	HYDRAULIC COMPUTATIONS SHEETS (STORM SEWER, CULVERTS, DITCHES)	L&G	$15,691.64	$0.00	0.00%	$0.00	0.00%	$15,691.64	$0.00
	IRRIGATION LAYOUT SHEETS (INCL PARALLEL LINES)	L&G	$37,022.10	$0.00	0.00%	$0.00	0.00%	$37,022.10	$0.00
	COORDINATE WITH IRRIGATION DISTRICTS	L&G	$16,698.68	$0.00	0.00%	$0.00	0.00%	$16,698.68	$0.00
	ROADSIDE DITCH P&P'S/DETENTION AREAS	L&G	$53,257.64	$0.00	0.00%	$0.00	0.00%	$53,257.64	$0.00
	CULVERT LAYOUT SHEETS	L&G	$12,595.58	$0.00	0.00%	$0.00	0.00%	$12,595.58	$0.00
	UTILITIES & DRAINAGE P&P SHEETS (STORM SEWER & DITCHES)	L&G	$23,929.16	$0.00	0.00%	$0.00	0.00%	$23,929.16	$0.00
	PREPARE MISCELLANEOUS DETAILS	L&G	$5,657.44	$0.00	0.00%	$0.00	0.00%	$5,657.44	$0.00
	Subtask 161.2 - Drainage (RGEC)								
	DATA COLLECTIVE/REVIEW DATA	RGEC	$8,815.50	$0.00	0.00%	$0.00	0.00%	$8,815.50	$0.00
	FIELD TRIP TO VERIFY EXISTING CONDITIONS (TWO TRIPS)	RGEC	$3,956.46	$0.00	0.00%	$0.00	0.00%	$3,956.46	$0.00
	PREPARE LARGE AND SMALL DRAINAGE AREA MAPS	RGEC	$10,564.78	$0.00	0.00%	$0.00	0.00%	$10,564.78	$0.00
	IRRIGATION LAYOUT SHEETS (INCL PARALLEL LINES)	RGEC	$30,541.80	$0.00	0.00%	$0.00	0.00%	$30,541.80	$0.00

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	COORDINATE WITH IRRIGATION DISTRICTS	RGEC	$46,534.08	$0.00	0.00%	$0.00	0.00%	$46,534.08	$0.00
	OUTFALL P&P SHEETS	RGEC	$11,286.62	$0.00	0.00%	$0.00	0.00%	$11,286.62	$0.00
	CULVERT LAYOUT SHEETS	RGEC	$27,904.20	$0.00	0.00%	$0.00	0.00%	$27,904.20	$0.00
	DRAINAGE STANDARDS	RGEC	$4,581.60	$0.00	0.00%	$0.00	0.00%	$4,581.60	$0.00
	Subtask 161.3 - Levee Design								
	LEVEE TYPICAL SECTIONS	L&G	$2,362.46	$0.00	0.00%	$0.00	0.00%	$2,362.46	$0.00
	LEVEE P&P SHEETS	L&G	$10,979.22	$0.00	0.00%	$0.00	0.00%	$10,979.22	$0.00
	CROSS SECTIONS (11 X 17 SHEETS)	L&G	$34,802.50	$0.00	0.00%	$0.00	0.00%	$34,802.50	$0.00
	MISCELLANEOUS LEVEE DETAILS	L&G	$2,163.52	$0.00	0.00%	$0.00	0.00%	$2,163.52	$0.00
	Subtask 161.4 - Environmental (L&G)								
	SW3P NARRATIVE	L&G	$2,238.11	$0.00	0.00%	$0.00	0.00%	$2,238.11	$0.00
	SW3P LAYOUTS	L&G	$53,951.14	$0.00	0.00%	$0.00	0.00%	$53,951.14	$0.00
	MISCELLANEOUS SW3P DETAILS	L&G	$1,007.15	$0.00	0.00%	$0.00	0.00%	$1,007.15	$0.00
	SW3P STANDARDS	L&G	$183.40	$0.00	0.00%	$0.00	0.00%	$183.40	$0.00
	Subtask 161.5 - Environmental (RGEC)								
	SW3P NARRATIVE	RGEC	$3,248.60	$0.00	0.00%	$0.00	0.00%	$3,248.60	$0.00
	SW3P LAYOUTS	RGEC	$27,904.20	$0.00	0.00%	$0.00	0.00%	$27,904.20	$0.00
	MISCELLANEOUS SW3P DETAILS	RGEC	$2,998.68	$0.00	0.00%	$0.00	0.00%	$2,998.68	$0.00
	SW3P STANDARDS	RGEC	$229.08	$0.00	0.00%	$0.00	0.00%	$229.08	$0.00
	SUBTOTAL (FUNCTION 161 - DRAINAGE DETAILS) =		**$470,856.68**	**$0.00**	**0%**	**$0.00**	**0%**	**$470,856.68**	**$0.00**
162	TRAFFIC ITEMS								
	Subtask 162.1 - Signalization Design								
	FIELD INVESTIGATION AND DATA COLLECTION	ETSI	$3,346.08	$0.00	0.00%	$0.00	0.00%	$3,346.08	$0.00
	GENERAL NOTES FOR SIGNALIZATION	ETSI	$802.46	$0.00	0.00%	$0.00	0.00%	$802.46	$0.00
	BASIS OF ESTIMATE SUMMARY	ETSI	$2,651.98	$0.00	0.00%	$0.00	0.00%	$2,651.98	$0.00
	CONDITION DIAGRAMS	ETSI	$5,367.03	$0.00	0.00%	$0.00	0.00%	$5,367.03	$0.00
	PROPOSED SIGNAL LAYOUTS	ETSI	$13,928.16	$0.00	0.00%	$0.00	0.00%	$13,928.16	$0.00
	SIGNAL PHASING AND TIMING	ETSI	$3,544.02	$0.00	0.00%	$0.00	0.00%	$3,544.02	$0.00
	ELECTRICAL SCHEDULE	ETSI	$7,162.34	$0.00	0.00%	$0.00	0.00%	$7,162.34	$0.00
	CROSS WALK AND CURB RAMP DESIGN	ETSI	$2,097.26	$0.00	0.00%	$0.00	0.00%	$2,097.26	$0.00
	STANDARD SHEETS FOR SIGNALIZATION	ETSI	$2,822.82	$0.00	0.00%	$0.00	0.00%	$2,822.82	$0.00
	SPECIFICATIONS	ETSI	$995.37	$0.00	0.00%	$0.00	0.00%	$995.37	$0.00
	COST ESTIMATE	ETSI	$4,218.50	$0.00	0.00%	$0.00	0.00%	$4,218.50	$0.00
	COORDINATION AND PROGRESS MEETINGS	ETSI	$635.40	$0.00	0.00%	$0.00	0.00%	$635.40	$0.00
	Subtask 162.2 - Signing Design								
	FIELD INVENTORY OF SIGNS	TEDSI	$2,650.56	$0.00	0.00%	$0.00	0.00%	$2,650.56	$0.00
	GENERAL NOTES FOR SIGNS	TEDSI	$1,136.36	$0.00	0.00%	$0.00	0.00%	$1,136.36	$0.00
	SUMMARY OF QUANTITIES LARGE SIGNS	TEDSI	$2,382.11	$0.00	0.00%	$0.00	0.00%	$2,382.11	$0.00
	SUMMARY OF QUANTITIES SMALL SIGNS	TEDSI	$2,382.11	$0.00	0.00%	$0.00	0.00%	$2,382.11	$0.00
	SUMMARY OF LARGE SIGNS - PROPOSED (SOLS)	TEDSI	$10,641.68	$0.00	0.00%	$0.00	0.00%	$10,641.68	$0.00
	SUMMARY OF LARGE SIGNS - EXISTING (SOLS)	TEDSI	$1,391.50	$0.00	0.00%	$0.00	0.00%	$1,391.50	$0.00
	SUMMARY OF SMALL SIGNS - PROPOSED (SOSS)	TEDSI	$13,192.80	$0.00	0.00%	$0.00	0.00%	$13,192.80	$0.00
	SUMMARY OF SMALL SIGNS - EXISTING (SOLS)	TEDSI	$4,138.06	$0.00	0.00%	$0.00	0.00%	$4,138.06	$0.00
	SIGN LAYOUTS (STA. 620+00 TO STA. 987+00)	TEDSI	$81,131.74	$0.00	0.00%	$0.00	0.00%	$81,131.74	$0.00
	SIGN LAYOUTS (ANZALDUAS CONNECTOR)	TEDSI	$4,764.26	$0.00	0.00%	$0.00	0.00%	$4,764.26	$0.00
	SIGN LAYOUTS (FM 494 - STA. 140+84 TO 153+74)	TEDSI	$4,764.26	$0.00	0.00%	$0.00	0.00%	$4,764.26	$0.00
	SIGN LAYOUTS (MCCOLL RD - STA. 29+85 TO 50+50)	TEDSI	$4,764.26	$0.00	0.00%	$0.00	0.00%	$4,764.26	$0.00

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CSJ: 3627-01-001
County: Hidalgo

Bill Through: 1/22/14 TO 1/31/2014
Client: HCRMA
Contract:
WA No.: 3

Func Code	TASK DESCRIPTION	FIRM	CONTRACTED FEE ($)	PREVIOUSLY INVOICED		INVOICED TO DATE		BALANCE	AMOUNT DUE THIS INVOICE
				($ AMOUNT)	(% COMPLETED)	($ AMOUNT)	(% COMPLETED)		
	SIGN LAYOUTS (10TH ST INTERSECTION)	TEDSI	$2,299.30	$0.00	0.00%	$0.00	0.00%	$2,299.30	$0.00
	LARGE GUIDE SIGN PANEL DETAILS	TEDSI	$19,023.90	$0.00	0.00%	$0.00	0.00%	$19,023.90	$0.00
	OVERHEAD SIGN STRUCTURE DETAILS	TEDSI	$35,324.52	$0.00	0.00%	$0.00	0.00%	$35,324.52	$0.00
	LARGE GROUND MOUNTED SIGN STRUCTURE DESIGN (19 GM)	TEDSI	$8,193.35	$0.00	0.00%	$0.00	0.00%	$8,193.35	$0.00
	SMALL SIGN PANEL DETAILS	TEDSI	$4,386.57	$0.00	0.00%	$0.00	0.00%	$4,386.57	$0.00
	STANDARD SHEETS	TEDSI	$10,118.29	$0.00	0.00%	$0.00	0.00%	$10,118.29	$0.00
	SPECIFICATIONS	TEDSI	$543.34	$0.00	0.00%	$0.00	0.00%	$543.34	$0.00
	COST ESTIMATE	TEDSI	$8,693.44	$0.00	0.00%	$0.00	0.00%	$8,693.44	$0.00
	COORDINATION AND PROGRESS MEETINGS	TEDSI	$9,859.68	$0.00	0.00%	$0.00	0.00%	$9,859.68	$0.00
	Subtask 162.3 - Pavement Markings Design								
	GENERAL NOTES FOR PAVEMENT MARKINGS	TEDSI	$1,136.36	$0.00	0.00%	$0.00	0.00%	$1,136.36	$0.00
	SUMMARY OF QUANTITIES	TEDSI	$2,382.11	$0.00	0.00%	$0.00	0.00%	$2,382.11	$0.00
	PAVEMENT MARKING LAYOUTS (STA. 620+00 TO 987+00)	TEDSI	$85,306.30	$0.00	0.00%	$0.00	0.00%	$85,306.30	$0.00
	PAVEMENT MARKING LAYOUTS (ANZALDUAS CONNECTOR)	TEDSI	$4,220.92	$0.00	0.00%	$0.00	0.00%	$4,220.92	$0.00
	PAVEMENT MARKING LAYOUTS (FM 494 - STA. 140+84 TO STA. 153+74)	TEDSI	$5,115.47	$0.00	0.00%	$0.00	0.00%	$5,115.47	$0.00
	PAVEMENT MARKING LAYOUTS (MCCOLL RD - STA. 29+85 TO STA. 50+50)	TEDSI	$5,092.23	$0.00	0.00%	$0.00	0.00%	$5,092.23	$0.00
	PAVEMENT MARKING LAYOUTS (10TH ST INTERSECTION)	TEDSI	$1,934.85	$0.00	0.00%	$0.00	0.00%	$1,934.85	$0.00
	STANDARD SHEETS	TEDSI	$2,879.09	$0.00	0.00%	$0.00	0.00%	$2,879.09	$0.00
	COST ESTIMATE	TEDSI	$8,693.44	$0.00	0.00%	$0.00	0.00%	$8,693.44	$0.00
	SUBTOTAL (FUNCTION 161 - TRAFFIC ITEMS) =		**$396,114.28**	**$0.00**	**0%**	**$0.00**	**0%**	**$396,114.28**	**$0.00**
163	**MISCELLANEOUS (ROADWAY)**								
	Subtask 163.1 - General (L&G)								
	TITLE SHEET	L&G	$2,772.76	$0.00	0.00%	$0.00	0.00%	$2,772.76	$0.00
	INDEX OF SHEETS	L&G	$12,981.14	$0.00	0.00%	$0.00	0.00%	$12,981.14	$0.00
	PROJECT LAYOUT	L&G	$12,359.32	$0.00	0.00%	$0.00	0.00%	$12,359.32	$0.00
	EXISTING TYPICAL SECTIONS	L&G	$13,608.88	$0.00	0.00%	$0.00	0.00%	$13,608.88	$0.00
	PROP TYPICAL SECTIONS	L&G	$28,834.35	$0.00	0.00%	$0.00	0.00%	$28,834.35	$0.00
	GENERAL NOTES & SPECIFICATION DATA	L&G	$18,650.86	$0.00	0.00%	$0.00	0.00%	$18,650.86	$0.00
	ESTIMATE & QUANTITY SHEETS	L&G	$19,521.26	$0.00	0.00%	$0.00	0.00%	$19,521.26	$0.00
	SUMMARY OF TRAFFIC CONTROL QUANTITIES	L&G	$2,163.52	$0.00	0.00%	$0.00	0.00%	$2,163.52	$0.00
	SUMMARY OF ROADWAY QUANTITIES	L&G	$10,146.08	$0.00	0.00%	$0.00	0.00%	$10,146.08	$0.00
	SUMMARY OF RETAINING WALL QUANTITIES	L&G	$2,760.32	$0.00	0.00%	$0.00	0.00%	$2,760.32	$0.00
	SUMMARY OF CULVERT QUANTITIES	L&G	$5,520.64	$0.00	0.00%	$0.00	0.00%	$5,520.64	$0.00
	SUMMARY OF STORM SEWER QUANTITIES	L&G	$8,280.96	$0.00	0.00%	$0.00	0.00%	$8,280.96	$0.00
	SUMMARY OF BRIDGES	L&G	$2,760.32	$0.00	0.00%	$0.00	0.00%	$2,760.32	$0.00
	SUMMARY OF ILLUMINATION QUANTITIES	L&G	$1,380.16	$0.00	0.00%	$0.00	0.00%	$1,380.16	$0.00
	SUMMARY OF TRAFFIC SIGNAL QUANTITIES	L&G	$1,380.16	$0.00	0.00%	$0.00	0.00%	$1,380.16	$0.00
	SUMMARY OF EARTHWORK QUANTITIES	L&G	$16,561.92	$0.00	0.00%	$0.00	0.00%	$16,561.92	$0.00
	SUMMARY OF SMALL SIGNS	L&G	$1,380.16	$0.00	0.00%	$0.00	0.00%	$1,380.16	$0.00
	SUMMARY OF PAVEMENT MARKINGS	L&G	$1,380.16	$0.00	0.00%	$0.00	0.00%	$1,380.16	$0.00
	SUMMARY OF DELINEATION & OBJ MRKR QUANTITIES	L&G	$1,380.16	$0.00	0.00%	$0.00	0.00%	$1,380.16	$0.00
	SUMMARY OF SW3P (EROSION CONTROL)	L&G	$1,380.16	$0.00	0.00%	$0.00	0.00%	$1,380.16	$0.00
	SUMMARY OF REMOVAL ITEMS	L&G	$1,380.16	$0.00	0.00%	$0.00	0.00%	$1,380.16	$0.00
	Subtask 163.2 - General (RGEC)								
	INDEX OF SHEETS	RGEC	$673.30	$0.00	0.00%	$0.00	0.00%	$673.30	$0.00
	EXISTING TYPICAL SECTIONS	RGEC	$1,499.34	$0.00	0.00%	$0.00	0.00%	$1,499.34	$0.00
	PROP TYPICAL SECTIONS	RGEC	$8,947.47	$0.00	0.00%	$0.00	0.00%	$8,947.47	$0.00
	ESTIMATE & QUANTITY SHEETS	RGEC	$2,998.68	$0.00	0.00%	$0.00	0.00%	$2,998.68	$0.00
	SUMMARY OF ROADWAY QUANTITIES	RGEC	$8,565.58	$0.00	0.00%	$0.00	0.00%	$8,565.58	$0.00

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				($ AMOUNT)	(% COMPLETED)	($ AMOUNT)	(% COMPLETED)		
	SUMMARY OF CULVERT QUANTITIES	RGEC	$4,976.91	$0.00	0.00%	$0.00	0.00%	$4,976.91	$0.00
	SUMMARY OF EARTHWORK QUANTITIES	RGEC	$4,976.91	$0.00	0.00%	$0.00	0.00%	$4,976.91	$0.00
	SUMMARY OF DELINEATION & OBJ MRKR QUANTITIES	RGEC	$492.84	$0.00	0.00%	$0.00	0.00%	$492.84	$0.00
	SUMMARY OF SW3P (EROSION CONTROL)	RGEC	$4,976.91	$0.00	0.00%	$0.00	0.00%	$4,976.91	$0.00
	SUMMARY OF REMOVAL ITEMS	RGEC	$1,166.14	$0.00	0.00%	$0.00	0.00%	$1,166.14	$0.00
	Subtask 163.3 - Traffic Control Plan (TCP)								
	SEQUENCE OF CONSTRUCTION NARRATIVE	L&G	$7,932.86	$0.00	0.00%	$0.00	0.00%	$7,932.86	$0.00
	TRAFFIC CONTROL PLAN TYPICAL SECTIONS	L&G	$31,687.67	$0.00	0.00%	$0.00	0.00%	$31,687.67	$0.00
	TRAFFIC CONTROL PLAN GENERAL NOTES	L&G	$2,014.30	$0.00	0.00%	$0.00	0.00%	$2,014.30	$0.00
	TCP ADVANCE WARNING SIGNS	L&G	$6,565.06	$0.00	0.00%	$0.00	0.00%	$6,565.06	$0.00
	TRAFFIC CONTROL PLAN - PHASE LAYOUTS	L&G	$92,707.32	$0.00	0.00%	$0.00	0.00%	$92,707.32	$0.00
	TEMPORARY TRAFFIC SIGNALS & ILLUMINATION	L&G	$6,565.06	$0.00	0.00%	$0.00	0.00%	$6,565.06	$0.00
	ROLL PLOT	L&G	$14,448.40	$0.00	0.00%	$0.00	0.00%	$14,448.40	$0.00
	TCP STANDARDS	L&G	$2,567.60	$0.00	0.00%	$0.00	0.00%	$2,567.60	$0.00
	CPM SCHEDULE	L&G	$4,476.24	$0.00	0.00%	$0.00	0.00%	$4,476.24	$0.00
	Subtask 163.4 - Illumination Design								
	GENERAL NOTES FOR ILLUMINATION	ETSI	$914.67	$0.00	0.00%	$0.00	0.00%	$914.67	$0.00
	QUANTITIES SUMMARY	ETSI	$2,873.90	$0.00	0.00%	$0.00	0.00%	$2,873.90	$0.00
	PROPOSED ILLUMINATION LAYOUTS	ETSI	$40,433.40	$0.00	0.00%	$0.00	0.00%	$40,433.40	$0.00
	VOLTAGE DROP CALCULATIONS	ETSI	$9,636.00	$0.00	0.00%	$0.00	0.00%	$9,636.00	$0.00
	WIRING DIAGRAMS	ETSI	$15,183.20	$0.00	0.00%	$0.00	0.00%	$15,183.20	$0.00
	SPECIAL MOUNTING DETAILS	ETSI	$5,882.66	$0.00	0.00%	$0.00	0.00%	$5,882.66	$0.00
	STANDARD SHEETS	ETSI	$2,822.82	$0.00	0.00%	$0.00	0.00%	$2,822.82	$0.00
	SPECIFICATIONS	ETSI	$1,990.74	$0.00	0.00%	$0.00	0.00%	$1,990.74	$0.00
	COST ESTIMATE	ETSI	$5,752.86	$0.00	0.00%	$0.00	0.00%	$5,752.86	$0.00
	COORDINATION AND PROGRESS MEETINGS	ETSI	$3,403.98	$0.00	0.00%	$0.00	0.00%	$3,403.98	$0.00
	Subtask 163.5 - Retaining Wall								
	RETAINING WALL P&P'S & BORING DATA	L&G	$56,835.56	$0.00	0.00%	$0.00	0.00%	$56,835.56	$0.00
	RETAINING WALL MISCELLANEOUS DETAILS	L&G	$8,622.94	$0.00	0.00%	$0.00	0.00%	$8,622.94	$0.00
	RETAINING WALL STANDARDS	L&G	$733.60	$0.00	0.00%	$0.00	0.00%	$733.60	$0.00
	Subtask 163.6 - Cross Sections								
	CROSS SECTIONS (RDWY & DETENTION) (11 X 17 SHEETS)	L&G	$75,225.44	$0.00	0.00%	$0.00	0.00%	$75,225.44	$0.00
	SUBTOTAL (FUNCTION 163 - MISCELLANEOUS (ROADWAY)) =		**$605,133.81**	**$0.00**	**0%**	**$0.00**	**0%**	**$605,133.81**	**$0.00**
170	**BRIDGE DESIGN**								
	Subtask 170.1 - FM 494 Bridge								
	BRIDGE LAYOUTS	L&G	$9,599.02	$0.00	0.00%	$2,879.71	30.00%	$6,719.31	$2,879.71
	SUMMARY OF QUANTITIES (BRIDGE) AND BEARING SEAT ELEVATION	L&G	$7,939.05	$0.00	0.00%	$0.00	0.00%	$7,939.05	$0.00
	FOUNDATION LAYOUTS	L&G	$5,470.95	$0.00	0.00%	$0.00	0.00%	$5,470.95	$0.00
	FOUNDATION DETAILS- 1 TYPE(S)	L&G	$7,236.54	$0.00	0.00%	$0.00	0.00%	$7,236.54	$0.00
	ABUTMENTS - 1 TYPE	L&G	$14,062.74	$0.00	0.00%	$0.00	0.00%	$14,062.74	$0.00
	INTERIOR BENTS - 1 TYPE	L&G	$14,062.74	$0.00	0.00%	$0.00	0.00%	$14,062.74	$0.00
	CONC SLAB SPAN & DEFLECTION - 1 UNIT	L&G	$5,899.89	$0.00	0.00%	$0.00	0.00%	$5,899.89	$0.00
	CONC FRAMING PLAN & BENT REPORT - 1 UNIT	L&G	$5,875.01	$0.00	0.00%	$0.00	0.00%	$5,875.01	$0.00
	CONC TYPICAL SECTIONS AND DEFLECTIONS	L&G	$6,372.40	$0.00	0.00%	$0.00	0.00%	$6,372.40	$0.00
	PRESTR CONC BEAMS -IGNS	L&G	$7,367.09	$0.00	0.00%	$0.00	0.00%	$7,367.09	$0.00
	ARCHITECTURAL TREATMENT	L&G	$13,055.70	$0.00	0.00%	$0.00	0.00%	$13,055.70	$0.00
	DRAIN DETAILS	L&G	$10,786.44	$0.00	0.00%	$0.00	0.00%	$10,786.44	$0.00

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				($ AMOUNT)	(% COMPLETED)	($ AMOUNT)	(% COMPLETED)		
	BRIDGE BORING LOGS	L&G	$2,381.12	$0.00	0.00%	$0.00	0.00%	$2,381.12	$0.00
	Subtask 170.2 - Floodway Bridge								
	SUMMARY OF QUANTITIES (BRIDGE) AND BEARING SEAT ELEVATION	L&G	$12,312.70	$0.00	0.00%	$0.00	0.00%	$12,312.70	$0.00
	FOUNDATION LAYOUTS	L&G	$23,910.54	$0.00	0.00%	$0.00	0.00%	$23,910.54	$0.00
	FOUNDATION DETAILS- 10 TYPE(S)	L&G	$50,108.70	$0.00	0.00%	$0.00	0.00%	$50,108.70	$0.00
	ABUTMENTS	L&G	$25,912.26	$0.00	0.00%	$0.00	0.00%	$25,912.26	$0.00
	INTERIOR BENTS - 12 TYPES	L&G	$94,789.96	$0.00	0.00%	$0.00	0.00%	$94,789.96	$0.00
	CONC SLAB SPAN & DEFLECTION - 12 UNITS	L&G	$64,047.06	$0.00	0.00%	$0.00	0.00%	$64,047.06	$0.00
	CONC FRAMING PLAN & BENT REPORT - 12 UNITS	L&G	$63,300.90	$0.00	0.00%	$0.00	0.00%	$63,300.90	$0.00
	CONC TYPICAL SECTIONS AND DEFLECTIONS	L&G	$37,395.12	$0.00	0.00%	$0.00	0.00%	$37,395.12	$0.00
	PRESTR CONC BEAMS -IGNS	L&G	$15,331.02	$0.00	0.00%	$0.00	0.00%	$15,331.02	$0.00
	ARCHITECTURAL TREATMENT	L&G	$14,920.80	$0.00	0.00%	$0.00	0.00%	$14,920.80	$0.00
	DRAIN DETAILS	L&G	$12,651.54	$0.00	0.00%	$0.00	0.00%	$12,651.54	$0.00
	BRIDGE BORING LOGS	L&G	$11,905.60	$0.00	0.00%	$0.00	0.00%	$11,905.60	$0.00
	Subtask 170.3 - West Bound 10th St Bridge								
	BRIDGE LAYOUTS	B2Z	$8,716.95	$0.00	0.00%	$2,615.09	30.00% ✓	$6,101.87	$2,615.09 ✓
	SUMMARY OF QUANTITIES (BRIDGE) AND BEARING SEAT ELEVATION	B2Z	$7,576.47	$0.00	0.00%	$0.00	0.00%	$7,576.47	$0.00
	FOUNDATION LAYOUTS	B2Z	$5,049.00	$0.00	0.00%	$0.00	0.00%	$5,049.00	$0.00
	FOUNDATION DETAILS- 1 TYPE(S)	B2Z	$6,807.24	$0.00	0.00%	$0.00	0.00%	$6,807.24	$0.00
	ABUTMENTS - 1 TYPE	B2Z	$13,329.36	$0.00	0.00%	$0.00	0.00%	$13,329.36	$0.00
	INTERIOR BENTS - 1 TYPE	B2Z	$13,329.36	$0.00	0.00%	$0.00	0.00%	$13,329.36	$0.00
	CONC SLAB SPAN & DEFLECTION - 1 UNIT	B2Z	$5,571.72	$0.00	0.00%	$0.00	0.00%	$5,571.72	$0.00
	CONC FRAMING PLAN & BENT REPORT - 1 UNIT	B2Z	$5,601.42	$0.00	0.00%	$0.00	0.00%	$5,601.42	$0.00
	CONC TYPICAL SECTIONS AND DEFLECTIONS	B2Z	$5,910.30	$0.00	0.00%	$0.00	0.00%	$5,910.30	$0.00
	PRESTR CONC BEAMS -IGNS	B2Z	$7,038.90	$0.00	0.00%	$0.00	0.00%	$7,038.90	$0.00
	ARCHITECTURAL TREATMENT	B2Z	$11,880.00	$0.00	0.00%	$0.00	0.00%	$11,880.00	$0.00
	DRAIN DETAILS	B2Z	$10,080.18	$0.00	0.00%	$0.00	0.00%	$10,080.18	$0.00
	BRIDGE BORING LOGS	B2Z	$2,239.38	$0.00	0.00%	$0.00	0.00%	$2,239.38	$0.00
	Subtask 170.4 - East Bound 10th St Bridge								
	BRIDGE LAYOUTS	B2Z	$8,716.95	$0.00	0.00%	$2,615.09	30.00% ✓	$6,101.87	$2,615.09 ✓
	SUMMARY OF QUANTITIES (BRIDGE) AND BEARING SEAT ELEVATION	B2Z	$7,576.47	$0.00	0.00%	$0.00	0.00%	$7,576.47	$0.00
	FOUNDATION LAYOUTS	B2Z	$8,452.62	$0.00	0.00%	$0.00	0.00%	$8,452.62	$0.00
	ABUTMENTS	B2Z	$6,664.68	$0.00	0.00%	$0.00	0.00%	$6,664.68	$0.00
	INTERIOR BENTS	B2Z	$6,664.68	$0.00	0.00%	$0.00	0.00%	$6,664.68	$0.00
	CONC SLAB SPAN	B2Z	$2,889.81	$0.00	0.00%	$0.00	0.00%	$2,889.81	$0.00
	CONC FRAMING PLAN & BENT REPORT	B2Z	$5,601.42	$0.00	0.00%	$0.00	0.00%	$5,601.42	$0.00
	CONC TYPICAL SECTIONS AND DEFLECTIONS	B2Z	$2,955.15	$0.00	0.00%	$0.00	0.00%	$2,955.15	$0.00
	PRESTR CONC I-GIRDER DESIGN	B2Z	$7,038.90	$0.00	0.00%	$0.00	0.00%	$7,038.90	$0.00
	ARCHITECTURAL TREATMENT	B2Z	$5,940.00	$0.00	0.00%	$0.00	0.00%	$5,940.00	$0.00
	DRAIN DETAILS	B2Z	$5,040.09	$0.00	0.00%	$0.00	0.00%	$5,040.09	$0.00
	BRIDGE BORING LOGS	B2Z	$2,239.38	$0.00	0.00%	$0.00	0.00%	$2,239.38	$0.00
	Subtask 170.5 - West Bound Canal Bridge								
	BRIDGE LAYOUTS	L&G	$9,599.02	$0.00	0.00%	$2,879.71	30.00% ✓	$6,719.31	$2,879.71 ✓
	SUMMARY OF QUANTITIES (BRIDGE) AND BEARING SEAT ELEVATION	L&G	$7,939.05	$0.00	0.00%	$0.00	0.00%	$7,939.05	$0.00
	FOUNDATION LAYOUTS	L&G	$12,707.49	$0.00	0.00%	$0.00	0.00%	$12,707.49	$0.00
	ABUTMENTS	L&G	$14,062.74	$0.00	0.00%	$0.00	0.00%	$14,062.74	$0.00
	INTERIOR BENTS	L&G	$9,375.16	$0.00	0.00%	$0.00	0.00%	$9,375.16	$0.00
	CONC SLAB SPAN	L&G	$5,899.89	$0.00	0.00%	$0.00	0.00%	$5,899.89	$0.00
	CONC FRAMING PLAN & BENT REPORT	L&G	$5,875.01	$0.00	0.00%	$0.00	0.00%	$5,875.01	$0.00

L&G Engineering
Transportation Consultants

JANUARY 2014 INVOICE

HCRMA
HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY

Project: SH 365 PS&E Development
Limits: From FM 396 (Anzalduas Highway) To McColl Rd
CSJ: 3627-01-001
County: Hidalgo

Bill Through: 1/22/14 TO 1/31/2014
Client: HCRMA
Contract:
WA No.: 3

Func Code	TASK DESCRIPTION	FIRM	CONTRACTED FEE ($)	PREVIOUSLY INVOICED		INVOICED TO DATE		BALANCE	AMOUNT DUE THIS INVOICE
				($ AMOUNT)	(% COMPLETED)	($ AMOUNT)	(% COMPLETED)		
	CONC TYPICAL SECTIONS AND DEFLECTIONS	L&G	$6,372.40	$0.00	0.00%	$0.00	0.00%	$6,372.40	$0.00
	PRESTR CONC I-GIRDER DESIGN	L&G	$7,367.09	$0.00	0.00%	$0.00	0.00%	$7,367.09	$0.00
	ARCHITECTURAL TREATMENT	L&G	$13,055.70	$0.00	0.00%	$0.00	0.00%	$13,055.70	$0.00
	DRAIN DETAILS	L&G	$10,786.44	$0.00	0.00%	$0.00	0.00%	$10,786.44	$0.00
	BRIDGE BORING LOGS	L&G	$2,381.12	$0.00	0.00%	$0.00	0.00%	$2,381.12	$0.00
	Subtask 170.6 - East Bound Canal Bridge								
	BRIDGE LAYOUTS	L&G	$9,599.02	$0.00	0.00%	$2,879.71	30.00% ✓	$6,719.31	$2,879.71 ✓
	SUMMARY OF QUANTITIES (BRIDGE) AND BEARING SEAT ELEVATION	L&G	$7,939.05	$0.00	0.00%	$0.00	0.00%	$7,939.05	$0.00
	FOUNDATION LAYOUTS	L&G	$9,089.22	$0.00	0.00%	$0.00	0.00%	$9,089.22	$0.00
	ABUTMENTS	L&G	$7,031.37	$0.00	0.00%	$0.00	0.00%	$7,031.37	$0.00
	INTERIOR BENTS	L&G	$3,442.65	$0.00	0.00%	$0.00	0.00%	$3,442.65	$0.00
	CONC SLAB SPAN	L&G	$3,061.85	$0.00	0.00%	$0.00	0.00%	$3,061.85	$0.00
	CONC FRAMING PLAN & BENT REPORT	L&G	$5,875.01	$0.00	0.00%	$0.00	0.00%	$5,875.01	$0.00
	CONC TYPICAL SECTIONS AND DEFLECTIONS	L&G	$3,186.20	$0.00	0.00%	$0.00	0.00%	$3,186.20	$0.00
	PRESTR CONC I-GIRDER DESIGN	L&G	$7,367.09	$0.00	0.00%	$0.00	0.00%	$7,367.09	$0.00
	ARCHITECTURAL TREATMENT	L&G	$6,527.85	$0.00	0.00%	$0.00	0.00%	$6,527.85	$0.00
	DRAIN DETAILS	L&G	$5,393.22	$0.00	0.00%	$0.00	0.00%	$5,393.22	$0.00
	BRIDGE BORING LOGS	L&G	$2,381.12	$0.00	0.00%	$0.00	0.00%	$2,381.12	$0.00
	Subtask 170.7 - McColl Rd Underpass Bridge								
	BRIDGE LAYOUTS	B2Z	$13,026.42	$0.00	0.00%	$3,907.93	30.00% ✓	$9,118.49	$3,907.93 ✓
	SUMMARY OF QUANTITIES (BRIDGE) AND BEARING SEAT ELEVATION	B2Z	$9,120.87	$0.00	0.00%	$0.00	0.00%	$9,120.87	$0.00
	FOUNDATION LAYOUTS	B2Z	$9,887.13	$0.00	0.00%	$0.00	0.00%	$9,887.13	$0.00
	ABUTMENTS	B2Z	$18,137.79	$0.00	0.00%	$0.00	0.00%	$18,137.79	$0.00
	INTERIOR BENTS	B2Z	$14,734.17	$0.00	0.00%	$0.00	0.00%	$14,734.17	$0.00
	CONC SLAB SPAN	B2Z	$7,814.07	$0.00	0.00%	$0.00	0.00%	$7,814.07	$0.00
	CONC FRAMING PLAN & BENT REPORT	B2Z	$8,633.79	$0.00	0.00%	$0.00	0.00%	$8,633.79	$0.00
	CONC TYPICAL SECTIONS AND DEFLECTIONS	B2Z	$8,823.87	$0.00	0.00%	$0.00	0.00%	$8,823.87	$0.00
	PRESTR CONC I-GIRDER DESIGN	B2Z	$6,483.51	$0.00	0.00%	$0.00	0.00%	$6,483.51	$0.00
	ARCHITECTURAL TREATMENT	B2Z	$11,446.38	$0.00	0.00%	$0.00	0.00%	$11,446.38	$0.00
	DRAIN DETAILS	B2Z	$6,008.31	$0.00	0.00%	$0.00	0.00%	$6,008.31	$0.00
	BRIDGE BORING LOGS	B2Z	$2,052.27	$0.00	0.00%	$0.00	0.00%	$2,052.27	$0.00
	Subtask 170.8 - Bridge Standards								
	BRIDGE STANDARDS	L&G	$9,064.44	$0.00	0.00%	$0.00	0.00%	$9,064.44	$0.00
	Subtask 170.9 - Scour Analysis On Canal Bridge								
	SCOUR ANALYSIS BASED ON HEC-18 (WB BRIDGE)	B2Z	$23,700.60	$0.00	0.00%	$0.00	0.00%	$23,700.60	$0.00
	SCOUR ANALYSIS BASED ON HEC-18 (EB BRIDGE)	B2Z	$14,743.08	$0.00	0.00%	$0.00	0.00%	$14,743.08	$0.00
	SUBTOTAL (FUNCTION 170 - BRIDGE DESIGN) =		**$1,049,596.78**	**$0.00**	**0%**	**$17,777.21**	**2%** ✓	**$1,031,819.57**	**$17,777.21** ✓
	DIRECT EXPENSES								
	Subtask 1 - Direct Expenses (L&G)								
	PRINTING MYLAR & PAPER SHEETS	L&G	$26,082.00	$0.00	0.00%	$0.00	0.00%	$26,082.00	$0.00
	PLOTS (BLACK & WHITE)	L&G	$1,800.00	$0.00	0.00%	$0.00	0.00%	$1,800.00	$0.00
	PLOTS (COLOR)	L&G	$5,400.00	$0.00	0.00%	$0.00	0.00%	$5,400.00	$0.00
	COLOR GRAPHICS ON FOAM BOARD	L&G	$900.00	$0.00	0.00%	$0.00	0.00%	$900.00	$0.00
	CAR RENTAL	L&G	$600.00	$0.00	0.00%	$0.00	0.00%	$600.00	$0.00
	DELIVERY SERVICES	L&G	$250.00	$0.00	0.00%	$0.00	0.00%	$250.00	$0.00
	MILEAGE	L&G	$3,775.20	$0.00	0.00%	$0.00	0.00%	$3,775.20	$0.00

L&G Engineering
Transportation Consultants

JANUARY 2014 INVOICE

HCRMA
HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY

Project: SH 365 PS&E Development
Limits: From FM 396 (Anzalduas Highway) To McColl Rd
CSJ: 3627-01-001
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Bill Through: 1/22/14 TO 1/31/2014
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Func Code	TASK DESCRIPTION	FIRM	CONTRACTED FEE ($)	PREVIOUSLY INVOICED		INVOICED TO DATE		BALANCE	AMOUNT DUE THIS INVOICE
				($ AMOUNT)	(% COMPLETED)	($ AMOUNT)	(% COMPLETED)		
	Subtask 2 - Direct Expenses (L&G Lab)								
	PRINTING REPRODUCTION	*L&G LAB*	*$450.00*	*$0.00*	*0.00%*	*$0.00*	*0.00%*	*$450.00*	*$0.00*
	Subtask 3 - Direct Expenses (RGEC)								
	MILEAGE	*RGEC*	*$90.00*	*$0.00*	*0.00%*	*$0.00*	*0.00%*	*$90.00*	*$0.00*
	PRINTING PAPER SHEETS	*RGEC*	*$4,170.00*	*$0.00*	*0.00%*	*$0.00*	*0.00%*	*$4,170.00*	*$0.00*
	PRINTING MYLAR SHEETS	*RGEC*	*$278.00*	*$0.00*	*0.00%*	*$0.00*	*0.00%*	*$278.00*	*$0.00*
	Subtask 4 - Direct Expenses (ETSI)								
	PRINTING MYLAR & PAPER SHEETS	*ETSI*	*$1,587.00*	*$0.00*	*0.00%*	*$0.00*	*0.00%*	*$1,587.00*	*$0.00*
	LODGING	*ETSI*	*$320.00*	*$0.00*	*0.00%*	*$0.00*	*0.00%*	*$320.00*	*$0.00*
	AIRFARE	*ETSI*	*$1,600.00*	*$0.00*	*0.00%*	*$0.00*	*0.00%*	*$1,600.00*	*$0.00*
	CAR RENTAL	*ETSI*	*$240.00*	*$0.00*	*0.00%*	*$0.00*	*0.00%*	*$240.00*	*$0.00*
	DELIVERY SERVICE	*ETSI*	*$250.00*	*$0.00*	*0.00%*	*$0.00*	*0.00%*	*$250.00*	*$0.00*
	MILEAGE	*ETSI*	*$1,540.00*	*$0.00*	*0.00%*	*$0.00*	*0.00%*	*$1,540.00*	*$0.00*
	Subtask 5 - Direct Expenses (TEDSI)								
	MILEAGE	*TEDSI*	*$169.50*	*$0.00*	*0.00%*	*$0.00*	*0.00%*	*$169.50*	*$0.00*
	PLOTS (8 1/2" X 11")	*TEDSI*	*$50.00*	*$0.00*	*0.00%*	*$0.00*	*0.00%*	*$50.00*	*$0.00*
	PRINTING PAPER SHEETS	*TEDSI*	*$5,724.00*	*$0.00*	*0.00%*	*$0.00*	*0.00%*	*$5,724.00*	*$0.00*
	PRINTING MYLAR SHEETS	*TEDSI*	*$318.00*	*$0.00*	*0.00%*	*$0.00*	*0.00%*	*$318.00*	*$0.00*
	OVERNIGHT MAIL (LETTER)	*TEDSI*	*$60.00*	*$0.00*	*0.00%*	*$0.00*	*0.00%*	*$60.00*	*$0.00*
	OVERNIGHT MAIL (OVERSIZED)	*TEDSI*	*$75.00*	*$0.00*	*0.00%*	*$0.00*	*0.00%*	*$75.00*	*$0.00*
	SUBTOTAL (DIRECT EXPENSES) =		**$55,728.70**	**$0.00**	**0.00%**	**$0.00**	**0.00%**	**$55,728.70**	**$0.00**

TOTAL THIS INVOICE = $107,817.53

$3,719,885.81 **$3,719,885.81**

Pay Only ↑ OK to pay 2/6/14

P. R
2/12/2014
VRF Bond Construction Account
01080720130

B2Z ENGINEERING

INVOICE PERIOD: *01/22/14 through 1/31/14* **INVOICE AMOUNT:** *$ 9,138.10*

February 3, 2014

Mr. Behrooz Badiozzamani, P.E. – L&G Engineering
ATTN: Mr. Robert Macheska, P.E., CFM – L&G Engineering
900 South Stewart Rd., Suite 10
Mission, Texas 78572

RE: Work Authorization #3 on SH 365 Segment 2
Invoice No. 2201-14

Dear Mr. Macheska:

Attached for your review and approval is our invoice for services rendered during the month of January 2014 on the subject referenced project.

The following is attached:

- Invoice No. 2201-14
- DGN's and PDF's for 30% Bridge Layouts
  - West Bound 10th St. Bridge
  - East Bound 10th St. Bridge
  - McColl Rd. Underpass Bridge

The following is a narrative of the progress for this period.

TASK
FC170 (Subtask 170.3): BRIDGE DESIGN – West Bound 10th Street Bridge
UPDATED: B2Z has developed (30%) Preliminary Bridge Layouts and Proposed Typical Section for the 10th ST. OVERPASS, WESTBOUND mainlanes. This structure consists of a 40.0ft overall roadway, 3 span bridge (45.0ft ~ 112.0ft ~ 45.0ft) utilizing TX54 girders. MSE walls are currently proposed in accordance with the VE report to shorten the end spans while still maintaining adequate space to incorporate turn-around lanes. The overall length of this bridge structure is proposed at 202.0ft along the centerline of SH365. The layout includes plan & profile view with corresponding limits and orientation of the bridge structure identified.
FC170 (Subtask 170.4): BRIDGE DESIGN – East Bound 10th Street Bridge
UPDATED: B2Z has developed (30%) Preliminary Bridge Layouts and Proposed Typical Section for the 10th ST. OVERPASS, EASTBOUND mainlanes (see narrative for WB ML above).
FC170 (Subtask 170.7): BRIDGE DESIGN – McColl Rd Underpass Bridge
UPDATED: B2Z has developed (30%) Preliminary Bridge Layouts and Proposed Typical Section for the McCOLL RD UNDERPASS. This structure consists of a 46.0ft overall roadway, 3 span bridge

(122.0ft ~ 135.0ft ~ 134.0ft) utilizing TX54 girders. This is the only "Underpass" proposed on Segment 2 of the SH365 project. Careful attention has been paid to the span configuration of this structure to ensure that adequate space is available for future widening and ultimate build-outs of SH365. The overall length of this bridge structure is proposed at 391.0ft along the centerline of McColl Rd. The layout includes plan & profile view with corresponding limits and orientation of the bridge structure identified.

Should you have any questions regarding this submittal, please do not hesitate to call me at (956) 618-0624.

Sincerely,

Nicholus Muñoz
Vice President – B2Z Engineering, LLC

B2Z ENGINEERING

JANUARY 2014 INVOICE

HCRMA
HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY

Project: SH 365 PS&E Development
Limits: From FM 396 (Anzalduas Highway) To McColl Rd
CSJ: 3627-01-001
County: Hidalgo

Bill Through: 1/22/14 TO 1/31/2014
Client: L&G Consulting Engineers, Inc
Invoice No.: 2201-14

Func Code	TASK DESCRIPTION	FIRM	CONTRACTED FEE ($)	PREVIOUSLY INVOICED		INVOICED TO DATE		BALANCE	AMOUNT DUE THIS INVOICE
				($ AMOUNT)	(% COMPLETED)	($ AMOUNT)	(% COMPLETED)		
170	BRIDGE DESIGN								
	Subtask 170.3 - West Bound 10th St Bridge								
	BRIDGE LAYOUTS	B2Z	$8,716.95	$0.00	0.00%	$2,615.09	30.00%	$6,101.87	$2,615.09
	SUMMARY OF QUANTITIES (BRIDGE) AND BEARING SEAT ELEVATION	B2Z	$7,576.47	$0.00	0.00%	$0.00	0.00%	$7,576.47	$0.00
	FOUNDATION LAYOUTS	B2Z	$5,049.00	$0.00	0.00%	$0.00	0.00%	$5,049.00	$0.00
	FOUNDATION DETAILS- 1 TYPE(S)	B2Z	$6,807.24	$0.00	0.00%	$0.00	0.00%	$6,807.24	$0.00
	ABUTMENTS - 1 TYPE	B2Z	$13,329.36	$0.00	0.00%	$0.00	0.00%	$13,329.36	$0.00
	INTERIOR BENTS - 1 TYPE	B2Z	$13,329.36	$0.00	0.00%	$0.00	0.00%	$13,329.36	$0.00
	CONC SLAB SPAN & DEFLECTION - 1 UNIT	B2Z	$5,571.72	$0.00	0.00%	$0.00	0.00%	$5,571.72	$0.00
	CONC FRAMING PLAN & BENT REPORT - 1 UNIT	B2Z	$5,601.42	$0.00	0.00%	$0.00	0.00%	$5,601.42	$0.00
	CONC TYPICAL SECTIONS AND DEFLECTIONS	B2Z	$5,910.30	$0.00	0.00%	$0.00	0.00%	$5,910.30	$0.00
	PRESTR CONC BEAMS -IGNS	B2Z	$7,038.90	$0.00	0.00%	$0.00	0.00%	$7,038.90	$0.00
	ARCHITECTURAL TREATMENT	B2Z	$11,880.00	$0.00	0.00%	$0.00	0.00%	$11,880.00	$0.00
	DRAIN DETAILS	B2Z	$10,080.18	$0.00	0.00%	$0.00	0.00%	$10,080.18	$0.00
	BRIDGE BORING LOGS	B2Z	$2,239.38	$0.00	0.00%	$0.00	0.00%	$2,239.38	$0.00
	Subtask 170.4 - East Bound 10th St Bridge								
	BRIDGE LAYOUTS	B2Z	$8,716.95	$0.00	0.00%	$2,615.09	30.00%	$6,101.87	$2,615.09
	SUMMARY OF QUANTITIES (BRIDGE) AND BEARING SEAT ELEVATION	B2Z	$7,576.47	$0.00	0.00%	$0.00	0.00%	$7,576.47	$0.00
	FOUNDATION LAYOUTS	B2Z	$8,452.62	$0.00	0.00%	$0.00	0.00%	$8,452.62	$0.00
	ABUTMENTS	B2Z	$6,664.68	$0.00	0.00%	$0.00	0.00%	$6,664.68	$0.00
	INTERIOR BENTS	B2Z	$6,664.68	$0.00	0.00%	$0.00	0.00%	$6,664.68	$0.00
	CONC SLAB SPAN	B2Z	$2,889.81	$0.00	0.00%	$0.00	0.00%	$2,889.81	$0.00
	CONC FRAMING PLAN & BENT REPORT	B2Z	$5,601.42	$0.00	0.00%	$0.00	0.00%	$5,601.42	$0.00
	CONC TYPICAL SECTIONS AND DEFLECTIONS	B2Z	$2,955.15	$0.00	0.00%	$0.00	0.00%	$2,955.15	$0.00
	PRESTR CONC I-GIRDER DESIGN	B2Z	$7,038.90	$0.00	0.00%	$0.00	0.00%	$7,038.90	$0.00
	ARCHITECTURAL TREATMENT	B2Z	$5,940.00	$0.00	0.00%	$0.00	0.00%	$5,940.00	$0.00
	DRAIN DETAILS	B2Z	$5,040.09	$0.00	0.00%	$0.00	0.00%	$5,040.09	$0.00
	BRIDGE BORING LOGS	B2Z	$2,239.38	$0.00	0.00%	$0.00	0.00%	$2,239.38	$0.00
	Subtask 170.7 - McColl Rd Underpass Bridge								
	BRIDGE LAYOUTS	B2Z	$13,026.42	$0.00	0.00%	$3,907.93	30.00%	$9,118.49	$3,907.93
	SUMMARY OF QUANTITIES (BRIDGE) AND BEARING SEAT ELEVATION	B2Z	$9,120.87	$0.00	0.00%	$0.00	0.00%	$9,120.87	$0.00
	FOUNDATION LAYOUTS	B2Z	$9,887.13	$0.00	0.00%	$0.00	0.00%	$9,887.13	$0.00
	ABUTMENTS	B2Z	$18,137.79	$0.00	0.00%	$0.00	0.00%	$18,137.79	$0.00
	INTERIOR BENTS	B2Z	$14,734.17	$0.00	0.00%	$0.00	0.00%	$14,734.17	$0.00
	CONC SLAB SPAN	B2Z	$7,814.07	$0.00	0.00%	$0.00	0.00%	$7,814.07	$0.00
	CONC FRAMING PLAN & BENT REPORT	B2Z	$8,633.79	$0.00	0.00%	$0.00	0.00%	$8,633.79	$0.00
	CONC TYPICAL SECTIONS AND DEFLECTIONS	B2Z	$8,823.87	$0.00	0.00%	$0.00	0.00%	$8,823.87	$0.00
	PRESTR CONC I-GIRDER DESIGN	B2Z	$6,483.51	$0.00	0.00%	$0.00	0.00%	$6,483.51	$0.00
	ARCHITECTURAL TREATMENT	B2Z	$11,446.38	$0.00	0.00%	$0.00	0.00%	$11,446.38	$0.00
	DRAIN DETAILS	B2Z	$6,008.31	$0.00	0.00%	$0.00	0.00%	$6,008.31	$0.00
	BRIDGE BORING LOGS	B2Z	$2,052.27	$0.00	0.00%	$0.00	0.00%	$2,052.27	$0.00
	Subtask 170.9 - Scour Analysis On Canal Bridge								
	SCOUR ANALYSIS BASED ON HEC-18 (WB BRIDGE)	B2Z	$23,700.60	$0.00	0.00%	$0.00	0.00%	$23,700.60	$0.00
	SCOUR ANALYSIS BASED ON HEC-18 (EB BRIDGE)	B2Z	$14,743.08	$0.00	0.00%	$0.00	0.00%	$14,743.08	$0.00
	SUBTOTAL (FUNCTION 170 - BRIDGE DESIGN) =		**$327,522.69**	**$0.00**	**0%**	**$9,138.10**	**3%**	**$318,384.59**	**$9,138.10**

TOTAL THIS INVOICE = $9,138.10

HCRMA
HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY

FEB 2014
DANNENBAUM ENGINEERING

REQUEST FOR RECOMMENDATION ON PAYMENT

To: Dannenbaum Engineering
Attn: Louis Jones, HCRMA Project Manager
1109 Nolana Loop, Suite 208
McAllen, Texas 78504

Month and Year	January 2014
Contractor	L&G Consulting Engineers Inc.
Project/WA	SH365/Seg 1/WA#2
Invoice #	11324741
Amount	$15,500.56
Date Sent	02/05/2014

Date Received	
Received by	

Recommendation: [X] Approval [ ] Disapproval

Approved for Payment

Comments (if any):

Reviewed 2/10/14 ok to pay

2/12/2014

Both invoices = 11324741

7905

Louis Jones, HCRMA Program Manager — Date 2/10/14

Please return this form via email to fkoll@hcrma.net

L&G Engineering
Transportation Consultants

February 5, 2014

Mr. Pilar Rodriguez, P.E. – Executive Director HCRMA
Attn: Mr. Louis Jones, P.E. – Program Manager HCRMA
Hidalgo County Regional Mobility Authority
118 S. Cage Blvd., 4th Floor
Pharr, Texas 78577

RE: Work Authorization #2 on SH365 Segment #1 (Floodway) - Invoice #11324741

Dear Mr. Jones,

Attached for your review and approval is our invoice for the services rendered during this billing period on the subject referenced project. The below referenced work product deliverables have been electronically uploaded to the PM's FTP site in a folder named "L&G Upload 2-5-14".

The following is attached:

- L & G's Invoice #11324741
- CD w/ Electronic Files of:
  - (3) - SUB – L&G Engineering Laboratory, LLC (L&G Lab)
    - Progress Report & Invoice #7905
    - Task 10 – Geotechnical Field, Lab & Eng
      - ✓ Boring Log Locations Exhibit
      - ✓ Field Boring Logs

TASK		% COMPL
(1) – FC 170.01 (Sub-Task 170.01.01) – Brg. Layouts (ML)	L&G	30.4%
No Update – (See Progress Report Dated 12-4-13)		
(2) – FC 170.01 (Sub-Task 170.01.01) –Brg. Layouts (ML-23rd, Ramps) (SUB)	B2Z	14.1%
No Update – (See Progress Report Dated 12-4-13)		
(3) – Special Services – Task 10 – Geotechnical Laboratory Tests (SUB)	L&G Lab	10.9% ✓
Updated – See Progress Report & Invoice #7905 from L&G Lab for a detailed explanation of the work that has been completed during this billing period.		

Should you have any questions regarding this submittal or would like clarification on any aspect of the project, please do not hesitate to call me at (956) 585-1909.

Sincerely,

B. Badiozzamani

Behrooz Badiozzamani, P.E.
Executive VP / Project Manager

Approved
P.M.C. 2/10/14

2100 W. Expressway 83 • Mercedes, TX 78570 • Office (956) 565-9813 • Fax (956) 565-9018
900 S. Stewart Rd., Ste. 9 • Mission, TX 78572 • Office (956) 585-1909 • Fax (956) 585-1927

L &G Consulting Engineers Inc
2100 W. Expressway 83
Mercedes, TX 78570
(956)565-9813 Fax (956)565-9018

INVOICE#: 11324741
INVOICE DATE: 2/5/2014

BILL TO:
Hidalgo County RMA
118 S. Cage Blvd, 4th Floor
Pharr, TX 78577

JOB: 120302
SH365/TCC - Segment #1
WA#2

DESCRIPTION	CONTRACT	PREVIOUS APPLICATIONS	CURRENT COMPLETED	TOTAL COMPLETED	% COMPL	BALANCE TO FINISH
Engineering services for this billing period.						
Task 10- SUB-Geotechnical Laboratory T	188,454.32	5,007.62	15,500.56	20,508.18	10.9	167,946.14
FC170.01- Bridge Layouts and Detail De	57,953.01	17,618.42	0.00	17,618.42	30.4	40,334.59
FC170.01- SUB-Bridge Layouts and Deta	36,435.90	5,138.10	0.00	5,138.10	14.1	31,297.80
Direct Expenses	180.00			0.00	0.0	180.00
TOTALS:	283,023.23	27,764.14	15,500.56	43,264.70	15.3	239,758.53

ORIGINAL CONTRACT SUM	$	283,023.23
CHANGE BY CHANGE ORDER	$	0.00
CONTRACT SUM TO DATE	$	283,023.23
TOTAL COMPLETED TO DATE	$	43,264.70
LESS PREVIOUS INVOICES	$	27,764.14
CURRENT PAYMENT DUE	$	15,500.56

PROJECT MANAGER'S SIGNATURE

OK to pay
1/10/14

Pay Only

2/12/2014

VRF Bond Construction

Account #

01080720130

L&G Engineering Laboratory
Construction Material Testing
Geotechnical Engineering

February 5, 2014

Mr. Behrooz Badiozzamani, P.E.
Exec. VP/Project Manager - L&G Engineering
2100 W. Expressway 83
Mercedes, Texas 78570

RE: Geotechnical Drilling, Testing, & Engineering for SH 365 Floodway Bridge & Levee (WA #2)

Dear Mr. Badiozzamani,

Attached for your review and approval is our invoice for the services rendered this billing period on the subject referenced project.

The following is attached:
- L&G Laboratory Invoice #7905
- Field Boring Logs

TASK		% COMPL
FC10208 – FOUNDATION STUDIES	L&G Lab	5.73%
Update – Boring Log Locations Exhibit has been completed and verified in the field. Final drilling scheme and testing requirements have been completed.		
FC10209 – FOUNDATION MATERIAL TESTING	L&G Lab	14.29%
Update – L&G Engineering Laboratory has drilled and sampled a total of 390 linear feet of Structure and Levee borings. Samples obtained have been forwarded to the laboratory for testing and positive soil classification.		

Should you have any questions regarding this submittal or would like clarification on any aspect of the project, please do not hesitate to call me at (956) 565-0760.

Sincerely,

Ricardo A. Gil
General Manager
L&G Engineering Laboratory, LLC

2/10/14

L & G Engineering Laboratory, LLC

2100 W. Expressway 83
Mercedes, Texas 78570
(956) 565-0760 • Fax (956) 565-6746

Invoice

Date	2/5/2014
Invoice #	7905

Bill To	Ship To
L&G Engineering 2100 W. Exp 83 Mercedes, Tx 78570	SH 365 Floodway Bridge & Levee WA #2 Geotechnical Engineering Services

Job #	Due Date
GL13029	3/10/2014

Item	Description	Contract Amt	Prior Amt	Curr %	Total %	Amount
10208	Foundation Studies	75,038.92	4,298.48	0.00%	5.73%	0.00
10209	Foundation Mtls. Testing	113,415.40	709.14	13.67%	14.29%	15,500.56

Total	$15,500.56
Payments/Credits	$0.00
Balance Due	$15,500.56

Pay Only

2/12/2014

HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY
PAYMENT SUMMARY

S&B Infrastructure - SH 365 Segment 2 - McColl Road to US 281/Military Highway
$4,714,339.28 Maximum payable fee*

Maximum fee minus approved WA $215,601.49

		Invoice Date										WA	WA
	Approved WA Amount	8/29/2012	10/3/2012	12/6/2012	1/29/2013	3/19/2013	5/15/2013	6/27/2013	8/16/2013	11/26/2013	1/21/2014	Total Billed	Balance
WA#1	$887,287.51	$167,442.06	$74,917.69	$108,098.03	$88,228.68	$47,434.99	$173,602.23	$35,770.27	$5,505.39	$119,098.66	$46,903.65	$867,001.65	$20,285.86
WA#2	$3,611,450.28											$0.00	$3,611,450.28
	$4,498,737.79										**$46,903.65**	$867,001.65	$3,631,736.14
											Amount Approved for Payment		

* Resolution 2012-37 - Amended and restated professsional service agreement with S&B to revise project limits, DBE requirement and increased maximum payable amount from $4,363,952.78 to $4,714,339.28
WA#2 was approved December 18, 2013 for final PS&E for SH 365 in the amount of $3,611,450.28

P. R

Approved for Payment

2/12/2014

Date

VRF 2013 Bond Construction Account # 01080720130

Prepared by:
P. Rodriguez, PE
Tx PE #85,567
2/12/2014

HCRMA
HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY

REQUEST FOR RECOMMENDATION ON PAYMENT

To: Dannenbaum Engineering
Attn: Louis Jones, HCRMA Project Manager
1109 Nolana Loop, Suite 208
McAllen, Texas 78504

Month and Year	11/17/13 - 12/31/13
Contractor	S&B Infrastructure, LTD
Project/WA	SH365/Seg2/WA1
Invoice #	U1695.100-10_REv
Amount	$46,903.65
Date Sent	02/04/2014

Date Received	
Received by	

Recommendation: [X] Approval [ ] Disapproval

Comments (if any):

Approved for Payment
P.R
2/12/2014

Louis Jones, HCRMA Program Manager

Date 2/4/14

Please return this form via email to fkoll@hcrma.net

S&B INFRASTRUCTURE, LTD.

INVOICE

January 21, 2014

Regional Mobility Authority
Hidalgo County RMA
PO Box 1766
Pharr, TX 78577

Attention: Flor E. Koll

Project Description: SH365/TCC Modified Segment 2

WORK AUTHORIZATION NO. 1 AMOUNT: $887,287.51 TYPE: LS

Invoice No.: **U1695.100-10_REV**

Invoice Period: 11/17/13 through 12/31/13

WORK AUTHORIZATION NO. 1 AMOUNT: $887,287.51 TYPE: LS

FUNCTION CODE	AUTHORIZED LIMIT	PERCENT COMPLETE	INVOICED TO DATE	PREVIOUSLY INVOICED	AMOUNT THIS INVOICE
PS&E					
110	251,248.08	98.22%	246,767.94	227,586.38	19,181.56
120	25,675.44	100.00%	25,675.44	25,675.44	-
130	133,030.69	100.00%	133,030.69	133,030.69	-
161	377,193.88	97.49%	367,710.60	353,330.46	14,380.14
162	10,260.43	100.00%	10,260.43	10,260.43	-
163	17,419.93	96.75%	16,853.73	16,287.53	566.20
164	72,459.06	92.06%	66,702.82	53,927.07	12,775.75
	887,287.51		867,001.65	820,098.00	46,903.65

AMOUNT DUE THIS INVOICE: **$ 46,903.65**

Pay Only

1.12

2/12/2014

VRF Bond Construction

Account # 01080720130

3535 Sage Road • Houston, Texas 77056 • 713.845.5401 • Fax 713.993.9301

S&B INFRASTRUCTURE, LTD.

I hereby certify that the attached invoice is true and correct, and that all services indicated have been provided.

S & B INFRASTRUCTURE, LTD.

Daniel O. Rios, P.E., Senior Vice President
Project Manager

IN ACCORDANCE WITH OUR CONTRACT,
PLEASE REMIT: **$46,903.65**

S & B INFRASTRUCTURE, LTD.
JP MORGAN CHASE BANK
ABA/ROUTING NUMBER 111000614
BANK ACCOUNT # 22900007104

Payment Due: February 20, 2014

PROJECT: SH 365 PS&E
CLIENT: Hidalgo County RMA
CONTRACT:
CSJ:
COUNTY: Hidalgo County
S & B JOB NO.: U1695

BILL THRU: 12/31/2013
WORK AUTHORIZATION # 1

FUNCTION CODE	DESCRIPTION from Exhibit "B"	FIRM	PERCENT COMPLETE	ESTIMATED FEE	INVOICED TO DATE	PREVIOUSLY INVOICED	AMOUNT DUE THIS INVOICE
	LABOR						
110	**ROUTE AND DESIGN STUDIES**						
	Route Location Studies (Dicker Road to US 281)	S&BI	100%	$34,273.84	$34,273.84	$34,273.84	$0.00
	Develop Roadway Design Criteria	S&BI	100%	$464.72	$464.72	$464.72	$0.00
	Preliminary Cost Estimates	S&BI	100%	$7,203.04	$7,203.04	$6,842.89	$360.15
	Design Schematic (Mcoll Road to US 281)	S&BI	100%	$133,319.20	$133,319.20	$119,987.28	$13,331.92
	Preliminary ROW Requirements based on Cross Sections	S&BI	100%	$27,447.44	$27,447.44	$21,957.95	$5,489.49
	Design Concept Conference	S&BI	100%	$5,403.80	$5,403.80	$5,403.80	$0.00
	Assist in preparation and review Design Concept Conference Meeting Notes & DSR	S&BI	100%	$1,731.08	$1,731.08	$1,731.08	$0.00
	Value Engineering Study						
	Development of project drivers, constraints, decisions and commitments	S&BI	100%	$3,921.10	$3,921.10	$3,921.10	$0.00
	Development of functional areas, brain storming of ideas to be considered	S&BI	100%	$3,921.10	$3,921.10	$3,921.10	$0.00
	Development of advantages and disadvantages for each functional area	S&BI	100%	$3,921.10	$3,921.10	$3,921.10	$0.00
	Presentation of findings and development of report	S&BI	100%	$3,921.10	$3,921.10	$3,921.10	$0.00
	Attendance of study	UCE	100%	$7,800.00	$7,800.00	$7,800.00	$0.00
	Relocation of Floodway Levee Analysis	S&BI	75%	$17,920.56	$13,440.42	$13,440.42	$0.00
	Sub Total (F.C. 110-Route and Design Studies)			**$251,248.08**	**$246,767.94**	**$227,586.38**	**$19,181.56**
120	**SOCIAL, ECONOMIC, AND ENVIRONMENTAL STUDIES, AND PUBLIC INVOLVEMENT**						
	General FC 120 Categories						
	Assist PM for 2 Public Meetings	S&BI	100%	$13,592.88	$13,592.88	$13,592.88	$0.00
	Attend 2 Public Meetings	S&BI	100%	$3,020.64	$3,020.64	$3,020.64	$0.00
	Attend and Assist at stakeholders meetings	S&BI	100%	$9,061.92	$9,061.92	$9,061.92	$0.00
	Sub Total (F.C. 120) Labor			**$25,675.44**	**$25,675.44**	**$25,675.44**	**$0.00**
130	**RIGHT-OF-WAY DATA**						
	3						
	Oversight of Subcontractor	S&BI	100%	$20,679.84	$20,679.84	$20,679.84	$0.00
	Special Utility Coordination	S&BI	100%	$22,922.85	$22,922.85	$22,922.85	$0.00
	Utility Adjustments-Evaluate Conflicts & preliminary drawings for Agreements (See DOS man-hours for breakdown	DOS	100%	$89,428.00	$89,428.00	$89,428.00	$0.00
	Sub Total (F.C. 130) Labor			**$133,030.69**	**$133,030.69**	**$133,030.69**	**$0.00**
161	**DRAINAGE**						
	Drainage Area Maps - determine and calculate Overall and Individual Maps	S&BI	100%	$15,626.48	$15,626.48	$15,626.48	$0.00
	Hydrologic data/discharge determination **Existing and Proposed** (WITHOUT HCDD1 FULLY DEVELOPED REQUEST)	S&BI	100%	$16,613.44	$16,613.44	$16,613.44	$0.00
	Hydraulic Computations - Storm sewers/inlets/culverts—Sizing **Existing and Proposed** (WITHOUT HCDD1 FULLY DEVELOPED REQUEST)	S&BI	100%	$64,958.04	$64,958.04	$64,958.04	$0.00
	Hydraulic Reports (Roadway Improvements) **Existing and Proposed** (WITHOUT HCDD1 FULLY DEVELOPED REQUEST)	S&BI	100%	$13,697.40	$13,697.40	$13,697.40	$0.00
	FEMA floodway requirements	S&BI	100%	$9,642.64	$9,642.64	$9,642.64	$0.00
	Outfall channel(s) outside ROW - analyze exist. or prop.	S&BI	100%	$33,779.52	$33,779.52	$33,779.52	$0.00
	Levee Relocations	S&BI	100%	$60,006.56	$60,006.56	$54,005.90	$6,000.66
	Levee Mitigation	S&BI	100%	$33,517.92	$33,517.92	$25,138.44	$8,379.48
	Scour Calculation at pilot channel	S&BI	100%	$10,920.72	$10,920.72	$10,920.72	$0.00

S & B JOB NO.: U1695

FUNCTION CODE	DESCRIPTION from Exhibit "B"	FIRM	PERCENT COMPLETE	ESTIMATED FEE	INVOICED TO DATE	PREVIOUSLY INVOICED	AMOUNT DUE THIS INVOICE
	Bridge Modeling within Floodway	S&BI	100%	$85,508.68	$85,508.68	$85,508.68	$0.00
	Hydraulic Reports (Floodway and Levee Relocation)	S&BI	100%	$13,955.92	$13,955.92	$13,955.92	$0.00
	IBWC Coordination	S&BI	50%	$18,966.56	$9,483.28	$9,483.28	$0.00
	Sub Total (F.C. 161) Labor			**$377,193.88**	**$367,710.60**	**$353,330.46**	**$14,380.14**
162	**SIGNING, MARKINGS AND SIGNALIZATION**						
	Signing Layouts	S&BI	100%	$10,260.43	$10,260.43	$10,260.43	$0.00
	Sub Total (F.C. 162) Labor			**$10,260.43**	**$10,260.43**	**$10,260.43**	**$0.00**
163	**MISCELLANEOUS ROADWAY**						
	Traffic Control Plan	S&BI	100%	$6,095.93	$6,095.93	$6,095.93	$0.00
	Estimates for Utilities	S&BI	95%	$11,324.00	$10,757.80	$10,191.60	$566.20
	Sub Total (F.C. 163) Labor			**$17,419.93**	**$16,853.73**	**$16,287.53**	**$566.20**
164	**GENERAL COORDINATION**						
	Project Manager (Proj Coord)(3 HRS/WK)	S&BI	98%	$10,688.56	$10,474.79	$10,154.13	$320.66
	Project Manager Weekly Meeting (Prog. Rpts)	S&BI	98%	$3,485.40	$3,415.69	$3,311.13	$104.56
	Proj. Meetings (30% & 100% Submittals)	S&BI	98%	$1,887.90	$1,850.14	$1,793.51	$56.63
	Project Meetings and Monthly Coordination	S&BI	98%	$10,486.00	$10,276.28	$9,961.70	$314.58
	Prepare Proj. Meetings Notes	S&BI	98%	$1,463.92	$1,434.64	$1,390.72	$43.92
	Project Secretary/CLERICAL (2 hrs/week)	S&BI	98%	$11,316.08	$11,089.76	$10,750.28	$339.48
	Sub Total (F.C. 164) Labor			**$39,327.86**	**$38,541.30**	**$37,361.47**	**$1,179.83**
	Total (F.C. 110-170) Labor			**$854,156.31**	**$838,840.13**	**$803,532.40**	**$35,307.73**
	NON LABOR						
	FedEx Courier	(nl)	100%	$660.00			
	Schematic Plots for Submittal	(nl)	100%	$3,000.00			
	Reimbursable Expenses	DOS	100%	$9,000.00			
	Reimbursable Expenses	UCE	100%	$1,300.00			
	Schematic for Public Meeting	(nl)	100%	$5,000.00			
	Outside Reproduction Reports	S&B (nl)	100%	$2,500.00			
	Reimbursable Expenses	(nl)	100%	$11,671.20			
	Sub Total (F.C. 164) Non-Labor		85%	**$33,131.20**	**$28,161.52**	**$16,565.60**	**$11,595.92**
	PROJECT TOTAL			**$887,287.51**	**$867,001.65**	**$820,098.00**	**$46,903.65**

HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY
PAYMENT SUMMARY

TEDSI - SH 365 Segment 3
$1,430,733.00 Maximum payable fee

Maximum fee minus approved WA $541,258.80

		Invoice Date												
	Approved WA Amount	8/23/2012	9/28/2012	10/19/2012	11/20/2012	12/13/2012	1/22/2013	2/27/2013	4/29/2013	5/14/2013	5/21/2013	6/24/2013	WA Total Billed	WA Balance
WA#1	$142,735.06	$28,547.01	$28,547.01	$14,273.51	$14,273.51	$21,516.26	$14,273.50	$14,167.51	$3,621.37		$3,515.38		$142,735.06	$0.00
WA#2	$746,739.14									$25,928.27		$100,378.38	$126,306.65	$620,432.49
	$889,474.20												$269,041.71	$620,432.49

		Invoice Date												
	Approved WA Amount	7/16/2013	8/22/2013	9/30/2013	10/23/2013	11/20/2013	12/9/2013	1/31/204					WA Total Billed	WA Balance
WA#1	$142,735.06												$142,735.06	$0.00
WA#2	$746,739.14	$49,490.95	$82,874.44	$110,509.41	$64,971.42	$64,283.98	$51,700.10	$53,496.05					$603,633.00	$143,106.14
WA#3	$45,225.96												$0.00	$45,225.96
WA#4	$1,132,626.71												$0.00	$1,132,626.71
	$2,067,326.87							**$53,496.05**					$746,368.06	$1,320,958.81

Amount Approved for Payment

WA#2 approved April 17, 2013 to provide schematics for US 281/Military Highway Overpass in the amount of $746,739.14
WA#3 approved November 20, 2013 to provide a ROW Stip Map for US 281/Military Highway Overpass in the amount of $45,225.96
WA#4 approved December 18, 2013 to provide final PS&E for US 281/Military Highway Overpass in the amount of $1,132,626.71

Approved for Payment

2/12/2014
Date

VRF 2013 Bond Construction Account # 01080720130

Prepared by:
P. Rodriguez, PE
Tx PE #85,567
2/12/2014

HCRMA
HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY

FEB 2014
DANNENBAUM ENGINEERING

REQUEST FOR RECOMMENDATION ON PAYMENT

To: Dannenbaum Engineering
Attn: Louis Jones, HCRMA Project Manager
1109 Nolana Loop, Suite 208
McAllen, Texas 78504

Month and Year	December 1 - January 31, 2014
Contractor	Tedsi Infrastructure Group
Project/WA	SH365/Seg3/WA 2
Invoice #	20141797
Amount	$53,496.05
Date Sent	02/03/2014

Date Received	
Received by	

Recommendation: ☑ Approval ☐ Disapproval

Comments (if any):

Approved for Payment
P. R
2/12/2014

Louis Jones, HCRMA Program Manager

Date 2/4/14

Please return this form via email to fkoll@hcrma.net

TEDSI INFRASTRUCTURE GROUP
TEDSI
TBPE F-1640
Consulting Engineers
1201 East Expressway 83 • Mission, Texas 78572
Tel: (956) 424-7898
Fax: (956) 424-7022

January 31, 2014
Project No: 2012-1115-02
Invoice No: 20141797

Mr. Pilar Rodriguez
Hidalgo County Regional Mobility Authority
P. O. Box 1766
Pharr, TX 78577

Project 2012-1115-02 HCRMA SH 365 Segment 3 at US 281 Military Highway - W.A. No. 2

Work Authorization No. 2 to Professional Engineering Services Agreement
SH 365 Segment 0033 at US 281 Military Highway

Professional Services from December 01, 2013 to January 31, 2014

Fee

Billing Phase	Fee	Percent Complete	Earned	Previous Fee Billing	Current Fee Billing
FC 110 Route & Design Studies (TEDSI)	152,759.93	100.00	152,759.93	145,121.93	7,638.00
FC 120 Env and Public Involv (TEDSI)	25,167.82	100.00	25,167.82	5,033.56	20,134.26
FC 130 ROW and Utility (TEDSI)	55,749.12	100.00	55,749.12	50,174.21	5,574.91
FC 150 Design Survey (TEDSI)	7,179.56	100.00	7,179.56	6,821.65	357.91
FC 161 H & H (TEDSI)	4,536.48	100.00	4,536.48	4,309.66	226.82
FC 162 Signing and Pavement Marking	14,671.34	100.00	14,671.34	14,671.34	0.00
FC 162 Traffic Signal Warrants (TEDSI)	130,303.70	30.00	39,090.72	39,090.72	0.00
FC 163 Miscellaneous Roadway (TEDSI)	24,410.24	100.00	24,410.24	24,410.24	0.00
FC 163 Illumination Warrants (TEDSI)	103,786.94	50.00	51,893.78	51,893.78	0.00
FC 170 Bridge (TEDSI)	1,512.16	100.00	1,512.16	1,512.16	0.00
FC 110 Route and Design Studies (L&G)	49,835.40	100.00	49,835.40	43,875.04	5,960.36
FC 130 ROW and Utility (G&M)	40,766.88	100.00	40,766.88	36,691.37	4,075.51
FC 150 Design Survey (G&M)	65,355.86	100.00	65,355.86	58,819.10	6,536.76
FC 161 H & H (Cortran)	59,830.37	100.00	59,830.37	56,838.85	2,991.52
FC 170 Bridge (Unintech)	10,873.34	100.00	10,873.34	10,873.34	0.00
Total Fee	746,739.14		603,633.00	550,136.95	53,496.05

Total Fee **53,496.05**

Project	2012-1115-02	SH 365 Segment 3 @ US 281		Invoice	20141797

Billing Summary	Current	Prior	To-Date
Total Billings	53,496.05	550,136.95	603,633.00
Total Fee			746,739.14
Remaining Fee			143,106.14

Total this Invoice **$53,496.05**

Pay Only

PLEASE REMIT PAYMENT TO:
TEDSI Infrastructure Group, Inc.
738 Highway 6 South, Suite 430
Houston, Texas 77079

Authorized By: _____ Date: 01/31/2014

Craig F. Stong, P.E.
Project Manager

2/12/2014

VRF Bond Construction
Account
0108072013 0

Smith Trostle & Huerta LLP

4401 Westgate Blvd., Ste. 330
Austin, Texas 78745
Telephone: (512) 494-9500
Tax ID: 56-2560381

February 01, 2014

Hidalgo County Regional Mobilily Authority
Attn: Mr. Pilar Rodriquez, PE
Hidalgo County Regional Mobility Authority
118 S. Cage Blvd., 4th Floor
Pharr TX 78577

In Reference To: ETT & Sharyland N. Edinburg to Loma Alta CCN

Invoice# 11332

Fees for Professional Services

	Hours	Amount

Timekeeper Summary

Name	Hours	Rate	Amount
J. Kay Trostle	4.10	325.00	$1,332.50
April R. Wolsch	0.80	80.00	$64.00

Expenses

VoiceText Conferencing	58.56
Total expenses	$58.56

Amount Due For This Billing Period $1,455.06

Total current fees and expenses $1,455.06

Payments received after the last day of the month will be reflected on your next statement period.
Please make checks payable to Smith Trostle & Huerta LLP.

Bracewell & Giuliani LLP
ATTORNEYS AT LAW

P. O. Box 848566
Dallas, TX 75284-8566
713 223-2300
TAX ID 74-1024827

Remittance Page

January 17, 2014
035858
INVOICE NO: 21569600
04996

Client: Hidalgo County Regional Mobility Authority HCRMA
Matter: General Counsel - Projects
Matter No: 035858.000005

Total Current Billing for this Matter	**$ 2,837.38**
Please Remit Total Balance Due	**$ 2,837.38**

Please Return this Remittance Page with Your Payment

WIRE TRANSFER INFORMATION

Wire to: Bank of America, 901 Main Street, Dallas, Texas
Name on Account: Bracewell & Giuliani LLP
Bank Account No: 001390004197
ABA Number (For **Wire Transfers Only**): 026009593; (For **ACH'S Only**): 111000025
For International Wires Also Include:
Swift Code **(U.S. Funds): BOFAUS3N;** Swift Code **(Foreign Funds): BOFAUS6S**
Please include the invoice number as a reference when sending the wire.

Bracewell & Giuliani LLP
ATTORNEYS AT LAW

P. O. Box 848566
Dallas, TX 75284-8566
713 223-2300
TAX ID 74-1024827

Remittance Page

February 12, 2014
035858
INVOICE NO: 21572410
04996

Client: Hidalgo County Regional Mobility Authority HCRMA
Matter: General Counsel - Projects
Matter No: 035858.000005

Billing Summary

Balance Forward	~~$ 6,143.38~~
Total Current Billing for this Matter	$ 4,705.50
Please Remit Total Balance Due	~~$ 10,848.88~~

$2837.38

$7,542.88

Please Return this Remittance Page with Your Payment

WIRE TRANSFER INFORMATION

Wire to: Bank of America, 901 Main Street, Dallas, Texas
Name on Account: Bracewell & Giuliani LLP
Bank Account No: 001390004197
ABA Number (For **Wire Transfers Only**): 026009593; (For **ACH'S Only**): 111000025
For International Wires Also Include:
Swift Code **(U.S. Funds): BOFAUS3N;** Swift Code **(Foreign Funds): BOFAUS6S**
Please include the invoice number as a reference when sending the wire.

pay this Amount for Invoice 21572410 ZK

STATEMENT FOR PROFESSIONAL SERVICES IS PAYABLE UPON PRESENTATION
INVOICE AMOUNT DUE IN UNITED STATES DOLLARS

HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY
PAYMENT SUMMARY

Dannenbaum Engineering - Program Management
$5,000,000 Maximum payable fee

Maximum fee minus approved WA $2,490,563.59

		Invoice Date											
	Approved WA Amount	12/12/2011	1/13/2012	2/14/2012	3/9/2012	4/9/2012	5/8/2012	6/7/2012	7/7/2012	8/6/2012	9/7/2012	10/8/2012	Pg 1 WA Billed to Date
WA#1	$909,960.63	$255,645.93	$226,404.86	$155,211.93	$145,740.60	$81,955.77	$45,001.54						$909,960.63
WA#2	$0.00												
WA#3	$57,750.00						$5,775.00						$5,775.00
WA#4	$694,355.85						$51,286.99	$147,460.94	$190,229.04	$163,719.99	$141,658.89		$694,355.85
WA#5	$847,369.93											$168,865.92	$168,865.92
	$2,509,436.41												$1,778,957.40

* Note: WA #2 for the La Joya Relief Route was not necessary and cancelled.
May 8, 2012 billing for WA#1 reduced by $5,459.01 to meet approved amount.
August 6, 2012 billing for WA#4 credited $70.00 due to overpayment on July 7, 2012 invoice.
Balance for WA#4 was deducted from approved amount of $891,814.61 by Supplemental 1 in the amount of $197,458.76 and closed out
WA#5 amended and restated to add $45,000 for public outreach for a revised WA#5 amount of $847,369.93
Balance for WA#5 was deducted from approved amount of $847,369.93 by supplemental 1 in the amount $78,132.97 and closed out
WA#7 was proposed for a route study for the City of Pharr, but cancelled.
WA#8 was approved in the amount of $574,581.59 for program management of SH 365 and the Overweight truck cooridor.
Supplemental No. 1 to WA#6 added a T&R Study for Overweight Trucks on SH 365 in the amount of $81,309.04
Supplemental No. 2 to WA#6 added a Value Engineering Study for SH 365 in the amount of $149,120.30
Supplemental No. 3 to WA#6 added a low level aerial flight and topographic survey for IBTC in the amount of $346,720.31
Supplemental No. 4 to WA#6 continued program management for SH 365 and IBTC in the amount of $1,437,465.41. Professional Service Agreement to be amended prior to exceeding $5,000,000 maximum payable amount.
Supplemental No. 5 to WA#6 added non destructive utility locations for SH 365 in the amount of $117,054.83.
Supplemental No. 6 to WA#6 revised scope of service for additional environmental coordination and Cross Valley Project Intervention work. No change in work authorization amount.

P. R

Approved for Payment

2/12/2014

Date

VRF 2013 Bond Construction Account # 01080720130

Prepared by:
P. Rodriguez, PE
Tx PE #85,567
2/12/2014

HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY
PAYMENT SUMMARY

Dannenbaum Engineering - Program Management
$5,000,000 Maximum payable fee

Maximum fee minus approved WA -$827,389.25

		Invoice Date												
	Approved WA Amount	11/7/2012	12/3/2012	1/2/2013	1/5/2013	3/11/2013	4/2/2013	5/6/2013	6/5/2013	7/8/2013	8/8/2013	9/9/2013	WA Total Billed	WA Balance
WA#1	$909,960.63												$909,960.63	$0.00
WA#2	$0.00													
WA#3	$57,750.00	$13,282.50	$38,692.50										$57,750.00	$0.00
WA#4 *	$694,355.85												$694,355.85	$0.00
WA#5 *	$769,236.96	$192,547.60	$204,374.94	$203,448.50									$769,236.96	$0.00
WA#6	$689,834.33				$97,110.61	$132,811.94	$114,994.62	$114,995.38	$114,926.42	$114,995.36			$689,834.33	$0.00
S#1 to WA#6	$81,309.04								$32,523.62	$40,654.52	$5,691.62	$2,439.28	$81,309.04	$0.00
S#2 to WA#6	$149,120.30								$106,700.09	$26,307.78	$16,112.43		$149,120.30	$0.00
S#3 to WA#6	$346,720.31								$112,359.20	$105,240.87	$40,683.69	$34,407.06	$292,690.82	$54,029.49
S#4 to WA#6	$1,437,465.41										$94,124.62	$192,022.35	$286,146.97	$1,151,318.44
	$5,135,752.83												$3,930,404.90	$1,205,347.93

		Invoice Date											WA	WA
	Approved WA Amount	10/7/2013	11/6/2013	12/4/2013	1/10/2014	2/11/2014							Total Billed	Balance
WA#1	$909,960.63												$909,960.63	$0.00
WA#2	$0.00													
WA#3	$57,750.00												$57,750.00	$0.00
WA#4 *	$694,355.85												$694,355.85	$0.00
WA#5 *	$769,236.96												$769,236.96	$0.00
WA#6	$689,834.33												$689,834.33	$0.00
S#1 to WA#6	$81,309.04												$81,309.04	$0.00
S#2 to WA#6	$149,120.30												$149,120.30	$0.00
S#3 to WA#6	$346,720.31	$20,169.54	$19,094.27	$14,765.68									$346,720.31	$0.00
S#4 to WA#6	$1,437,465.41	$164,046.85	$302,260.12	$354,321.38	$325,100.77	$5,589.32							$1,437,465.41	$0.00
S#5 to WA#6	$117,054.83				$167.89	$29,095.82							$29,263.71	$87,791.12
WA#8	$574,581.59					$230,364.83							$230,364.83	$344,216.76
	$5,827,389.25	$184,216.39	$321,354.39	$369,087.06	$325,268.66	**$265,049.97**							$5,395,381.37	$432,007.88

Amount Approved for Payment

Prepared by:
P. Rodriguez, PE
Tx PE #85,567
2/12/2014

DANNENBAUM ENGINEERING CORPORATION
1109 NOLANA LOOP, SUITE 208 McALLEN, TEXAS 78504 (956) 682-3677

ENGINEERING EXCELLENCE SINCE 1945

February 11, 2014

Dennis Burleson, Chairman
HCRMA
118 S. Cage Blvd, 4th Floor
Pharr, Texas 78577

Re: ***Hidalgo County Regional Mobility Authority (HCRMA) – Invoice for Work Authorization No. ~~1~~ (4652-01/27/XV)***

4, 5 + 8 P.R

Dear Mr. Burleson,

Enclosed please find Invoice 465201/27/XV for all Supplements to W.A. No. 6 and W.A. No. 8 totaling $265,049.97 which includes:

- $ 0.00 for S.W.A. No. 1 to W.A. No. 6
- $ 0.00 for S.W.A. No. 2 to W.A. No. 6
- $ 0.00 for S.W.A. No. 3 to W.A. No. 6
- $ 5,589.32 for S.W.A. No. 4 to W.A. No. 6
- $ 29,095.82 for S.W.A. No. 5 to W.A. No. 6
- $ 0.00 for S.W.A. No. 6 to W.A. No. 6 (Replaced Supplemental No. 6 to W.A. No. 6)
- $ 230,364.83 for W.A. No. 8

for Program Management Consultant Services performed for the Hidalgo County Regional Mobility Authority (HCRMA). The Progress Report will follow within the next few days.

The billing cycle is from January 1, 2014 through January 31, 2014.

Total due this invoice is $265,049.97

If you have any questions, please feel free to contact me at (956) 682-3677 or (832) 771-4904.

Sincerely,

Louis H. Jones, Jr., P.E.
Program Manager

Enclosure(s)

Approved for Payment
P. R
2/12/2014

cc: Richard D. Seitz, P.E. - Dannenbaum Engineering Corporation
Eric Davila, EIT – Dannenbaum Engineering Corporation

DANNENBAUM ENGINEERING CORPORATION

1109 NOLANA LOOP, SUITE 208 MCALLEN, TEXAS 78504 (956) 682-3677 (956) 686-1822

February 11, 2014

Dennis Burleson, Chairman
Hidalgo County Regional Mobility Authority
510 South Pleasantview Drive
Weslaco, Texas 78596

Project Name: HCRMA Program Management Consultant Contract
Work Authorization No. 1 through No. 8

Invoice Number: **465201/27/XV**
Invoice Period: **01/01/2014 - 01/31/2014**

INVOICE SUMMARY

WORK ORDER NO.	DESCRIPTION OF WORK TASK	TOTAL COST	PERCENT COMPLETE TO DATE	AMOUNT EARNED TO DATE	PREVIOUSLY BILLED	CURRENT BILLING
1	Research Planning/Immediate Operations Phase	$909,960.63	100.00%	$909,960.63	$909,960.63	$0.00
2	Advanced Planning for La Joya Relief Route (NOT APPROVED)	$0.00	0.00%	$0.00	$0.00	$0.00
3	Title Reports for TCC	$57,750.00	100.00%	$57,750.00	$57,750.00	$0.00
4	Engineering Management/Partial Operations Implementation/Public Outreach	$694,355.85	100.00%	$694,355.85	$694,355.85	$0.00
5	Engineering Management/Partial Operations Implementation/Public Outreach	$769,236.96	100.00%	$769,236.96	$769,236.96	$0.00
6	Engineering Management/Partial Operations Implementation/Public Outreach	$689,834.33	100.00%	$689,834.33	$689,834.33	$0.00
SWA 1 to WO 6	Sketch Level Assessment of Potential Truck Diversion from Nogales Poe to Texas	$81,309.04	100.00%	$81,309.04	$81,309.04	$0.00
SWA 2 to WO 6	Value Engineering Report for SH 365	$149,120.30	100.00%	$149,120.30	$149,120.30	$0.00
SWA 3 to WO 6	IBTC Low Level Flight	$346,720.31	100.00%	$346,720.31	$346,720.31	$0.00
SWA 4 to WO 6 Replaced by SWA 6 to WO 6	Engineering Management/Partial Operations Implementation/Public Outreach	$1,437,465.41	100.00%	$1,437,465.41	$1,431,876.09	$5,589.32
SWA 5 to WO 6	SUE Services - SH 365	$117,054.83	25.00%	$29,263.71	$167.89	$29,095.82
8	Systemwide Management & Project Management Tasks	$574,581.59	40.09%	$230,364.83	$0.00	$230,364.83
	TOTALS	**$5,827,389.25**	**92.59%**	**$5,395,381.37**	**$5,130,331.40**	**$265,049.97**

TOTAL DUE THIS INVOICE: **$265,049.97**

P. R
2/12/2014
Pay Only
VRF Bond Construction
Account
~~0107087201300~~ P.R.
0107087201300

MONTHLY PROGRESS PAYMENT INVOICE - DANNENBAUM ENGINEERING CORPORATION
FOR CONSULTING ENGINEER'S SERVICES

February 11, 2014

Dennis Burleson, Chairman
Hidalgo County Regional Mobility Authority
510 South Pleasantview Drive
Weslaco, Texas 78596

Work Order No. 1:
Research Planning/Immediate Operations Phase

Invoice Number: **465201/27/XV**
Invoice Period: **01/01/2014 - 01/31/2014**

TASK CODE	DESCRIPTION OF WORK TASK	TOTAL COST	PERCENT COMPLETE TO DATE	AMOUNT EARNED TO DATE	PREVIOUSLY BILLED	CURRENT BILLING
1	Research/Analyze/Gather all documents and develop Prog. Mgt. Plan (4 Months)	$605,919.26	100.00%	$605,919.26	$605,919.26	$0.00
2	Review/Monitor/Report/Implement All TxDOT Pass Thru / Toll Agreements (4 mo)	$11,546.14	100.00%	$11,546.14	$11,546.14	$0.00
3	Rev./Analyze TRZ for the entire HCRMA Rdwy. Sys. incld. La Joya Relief Rte.	$18,983.62	100.00%	$18,983.62	$18,983.62	$0.00
4	Gen. Eng. Consult. (GEC) Mgt. including contract negotiations (4 months)	$173,210.21	100.00%	$173,210.21	$173,210.21	$0.00
5	Procurement / Negotiations of Prof. Svcs.	$27,248.50	100.00%	$27,248.50	$27,248.50	$0.00
ODC	Direct Expenses	$73,052.90	100.00%	$73,052.90	$73,052.90	$0.00
	TOTALS	**$909,960.63**	**100.00%**	**$909,960.63**	**$909,960.63**	**$0.00**

TOTAL DUE WORK ORDER NO. 1: **$0.00**

MONTHLY PROGRESS PAYMENT INVOICE - DANNENBAUM ENGINEERING CORPORATION
FOR CONSULTING ENGINEER'S SERVICES

Work Order No. 1:
Research Planning/Immediate Operations Phase

Invoice Number: 465201/27/XV
Invoice Period: 01/01/2014 - 01/31/2014

DESCRIPTION OF WORK TASK	COST PER TASK	PERCENT COMPLETE TO DATE	AMOUNT EARNED TO DATE	PREVIOUSLY BILLED	CURRENT BILLING
TASK 1 Research/Analyze/Gather all documents and develop Prog. Mgt. Plan (4 Months)					
A. Research/Analyze/Gather all existing documents					
1. Organize/Analyze all documents received	$ 35,455.62	100.00%	$35,455.62	$35,455.62	$0.00
2. Review/Comment all consultant contracts	$ 3,709.14	100.00%	$3,709.14	$3,709.14	$0.00
3. Review/Analyze all schematics including North of US 83	$ 75,561.96	100.00%	$75,561.96	$75,561.96	$0.00
5. Review/Analyze/Comment on all financial studies	$ 8,122.08	100.00%	$8,122.08	$8,122.08	$0.00
6. Review/Analyze/Comment on all TxDOT comments on all existing documents	$ 6,868.84	100.00%	$6,868.84	$6,868.84	$0.00
B. Review Exist. Quantities/Estimates and Prep.Cursive Review of Proj. Dev. Cost Est. on all projects					
1. SH 365 / TCC (All Sections)	$ 18,708.04	100.00%	$18,708.04	$18,708.04	$0.00
2. IBTC All Sections)	$ 10,997.72	100.00%	$10,997.72	$10,997.72	$0.00
3. US 281 Military Highway Overpass	$ 10,875.76	100.00%	$10,875.76	$10,875.76	$0.00
4. US 83 Connector to FM 495	$ 6,917.40	100.00%	$6,917.40	$6,917.40	$0.00
5. La Joya Relief Route Segment No. 1	$ 11,046.28	100.00%	$11,046.28	$11,046.28	$0.00
6. All Segments - North of US 83	$ 19,838.44	100.00%	$19,838.44	$19,838.44	$0.00
C. Develop Program Management Plan which includes the following components:					
2. Quality Control Plan	$ 7,727.18	100.00%	$7,727.18	$7,727.18	$0.00
3. Cost Control Plan	$ 40,535.94	100.00%	$40,535.94	$40,535.94	$0.00
4. Schedule Management /Tracking Plan	$ 13,402.16	100.00%	$13,402.16	$13,402.16	$0.00
5. Document Control Plan	$ 11,459.16	100.00%	$11,459.16	$11,459.16	$0.00
6. Financial Implementation Plan	$ 74,782.58	100.00%	$74,782.58	$74,782.58	$0.00
7. Right-of-way Acquisition Management Plan (Refer to Aranda & Associates)	$ 11,098.50	100.00%	$11,098.50	$11,098.50	$0.00
8. Utility Relocation Plan	$ 8,301.76	100.00%	$8,301.76	$8,301.76	$0.00
10. Environmental Document/Clearance/Permit Plan	$ 6,502.26	100.00%	$6,502.26	$6,502.26	$0.00
- SH365/TCC-Environmental-Atkins (formerly PBSJ)	$ 20,194.80	100.00%	$20,194.80	$20,194.80	$0.00
- IBTC-Environmental-Atkins (formerly PBSJ)	$ 8,855.48	100.00%	$8,855.48	$8,855.48	$0.00
- La Joya Bypass Phase I-B/TxDOT/Atkins	$ 14,282.10	100.00%	$14,282.10	$14,282.10	$0.00
12. Project Development / Capital Improvement Plan / Strategic Plan (CIP)	$ 146,529.12	100.00%	$146,529.12	$146,529.12	$0.00
13. General Engineering Consultant Plan Management (GEC Plan)	$ 3,687.16	100.00%	$3,687.16	$3,687.16	$0.00
14. Develop Budget for PMC Program for next 7 years	$ 30,459.78	100.00%	$30,459.78	$30,459.78	$0.00
TASK 2 Review/Monitor/Report/Implement All TxDOT Pass Thru / Toll Agreements (4 mo)					
A. Review/Monitor/Report/Implement All TxDOT Pass Thru / Toll Agreements which includes:					
1. SH 365 / Trade Corr. Conn. (TCC)(14.9 Mi.), includ. 1.97 mi. Anzalduas GSA Fac. Connect.					
- Review Agreement	$ 1,379.80	100.00%	$1,379.80	$1,379.80	$0.00
- Monitor Agreement (4 months)	$ 750.62	100.00%	$750.62	$750.62	$0.00
2. US 281 / Military Hwy Overpass					
- Review Agreement	$ 1,379.80	100.00%	$1,379.80	$1,379.80	$0.00
- Monitor Agreement	$ 750.62	100.00%	$750.62	$750.62	$0.00
3. La Joya Relief Route (Phase I)(8.3 Miles)					
- Review Agreement	$ 1,379.80	100.00%	$1,379.80	$1,379.80	$0.00
- Negotiate Agreement (1 meeting / 8 hrs / mtg) - Austin	$ 5,154.88	100.00%	$5,154.88	$5,154.88	$0.00
- Monitor Agreement	$ 750.62	100.00%	$750.62	$750.62	$0.00
4. US 281 - Falfurrias Toll Road					
- Review Agreement	$ -	0.00%	$0.00	$0.00	$0.00
- Negotiate Agreement (2 meeting / 8 hrs / mtg) - Austin	$ -	0.00%	$0.00	$0.00	$0.00
- Monitor Agreement	$ -	0.00%	$0.00	$0.00	$0.00

MONTHLY PROGRESS PAYMENT INVOICE - DANNENBAUM ENGINEERING CORPORATION
FOR CONSULTING ENGINEER'S SERVICES

Work Order No. 1:
Research Planning/Immediate Operations Phase

Invoice Number: 465201/27/XV
Invoice Period: 01/01/2014 - 01/31/2014

DESCRIPTION OF WORK TASK	COST PER TASK	PERCENT COMPLETE TO DATE	AMOUNT EARNED TO DATE	PREVIOUSLY BILLED	CURRENT BILLING
TASK 3 Rev./Analyze TRZ for the entire HCRMA Rdwy. Sys. incld. La Joya Relief Rte.					
A. Rev./Analyze Trans.Reinvest. Zone (TRZ) for the entire Loop Proj. incld. the La Joya Relief Rte.					
1. Meet w/ Authority / County (2 mtgs @ 4 hrs / mtg)	$ 5,044.16	100.00%	$5,044.16	$5,044.16	$0.00
2. Prepare Exhibit / Hold One Public Mtg (1 mtg @ 4 hrs / mtg)	$ 6,344.34	100.00%	$6,344.34	$6,344.34	$0.00
3. Modify Metes & Bounds for TRZ Boundary (paper only)	$ 7,595.12	100.00%	$7,595.12	$7,595.12	$0.00
TASK 4 Gen. Eng. Consult. (GEC) Mgt. including contract negotiations (4 months)					
A. General Project Management / Governmental Liaison (4 Months)					
1. Prepare/Review PMC Team consultant contract	$ 9,362.32	100.00%	$9,362.32	$9,362.32	$0.00
2. Prepare monthly PMC Invoice	$ 4,399.04	100.00%	$4,399.04	$4,399.04	$0.00
3. Prepare monthly PMC progress reports	$ 5,939.02	100.00%	$5,939.02	$5,939.02	$0.00
4. Attend monthly HCRMA board meetings (4 hrs / mtg / mo)	$ 7,559.36	100.00%	$7,559.36	$7,559.36	$0.00
5. Attend monthly HCRMA planning meetings (2 hrs / mtg / mo)	$ 4,265.44	100.00%	$4,265.44	$4,265.44	$0.00
6. Attend monthly HCRMA exed comm meetings (2 hrs / mtg / mo)	$ 3,779.68	100.00%	$3,779.68	$3,779.68	$0.00
7. Attend monthly MPO meetings (2 hrs / mtg / mo)	$ 3,779.68	100.00%	$3,779.68	$3,779.68	$0.00
8. Attend monthly TxDot meetings (Austin) (8 hrs / mtg / mo)	$ 11,329.84	100.00%	$11,329.84	$11,329.84	$0.00
9. Attend various meetings (local/state) (4 per month) (2 hrs / mtg / mo)	$ 7,195.04	100.00%	$7,195.04	$7,195.04	$0.00
10. Attend meeting in Washington DC (one meeting per 4 months) (3 days / mtg)	$ -	0.00%	$0.00	$0.00	$0.00
11. Governmental Liaison	$ 5,060.84	100.00%	$5,060.84	$5,060.84	$0.00
12. Assist/plan/meet/negotiate with all cities in Hidalgo Co. on ordinance to increase truck usage of Toll Facilities	$ 17,344.00	100.00%	$17,344.00	$17,344.00	$0.00
B. General Engineering Consultant (GEC) Management of the following (4 Months)					
1. SH365/TCC - Environmental - Atkins (formerly PBSJ)					
- Review / Analyze / Comment on Consultant Contracts	$ 1,084.58	100.00%	$1,084.58	$1,084.58	$0.00
- Review / Analyze / Comment on all existing schematics; plans; reports; design parameters, etc.	$ 1,713.76	100.00%	$1,713.76	$1,713.76	$0.00
- Oversee / Manage contract from 10/01/11 to 02/01/12	$ 2,709.56	100.00%	$2,709.56	$2,709.56	$0.00
2. IBTC - Environmental - Atkins (formerly PBSJ)					
- Review / Analyze / Comment on Consultant Contracts	$ -	0.00%	$0.00	$0.00	$0.00
- Review / Analyze / Comment on all existing schematics; plans; reports; design parameters, etc.	$ -	0.00%	$0.00	$0.00	$0.00
- Oversee / Manage contract from 10/01/11 to 02/01/12	$ -	0.00%	$0.00	$0.00	$0.00
3. SH365/TCC (FM 1016 to E 23rd) - Survey/R.O.W - DOS Logistics, Inc.					
- Review / Analyze / Comment on Consultant Contracts	$ 2,311.78	100.00%	$2,311.78	$2,311.78	$0.00
- Review / Analyze / Comment on all existing schematics; plans; reports; design parameters, etc.	$ 7,817.78	100.00%	$7,817.78	$7,817.78	$0.00
- Oversee / Manage contract from 10/01/11 to 02/01/12	$ 5,761.03	100.00%	$5,761.03	$5,761.03	$0.00
4. SH365/TCC (E 23rd to IBTC) - Survey/R.O.W. - Quintanilla Headley					
- Review / Analyze / Comment on Consultant Contracts	$ 3,364.88	100.00%	$3,364.88	$3,364.88	$0.00
- Review / Analyze / Comment on all existing schematics; plans; reports; design parameters, etc.	$ 4,551.21	100.00%	$4,551.21	$4,551.21	$0.00
- Oversee / Manage contract from 10/01/11 to 02/01/12	$ 5,035.57	100.00%	$5,035.57	$5,035.57	$0.00
5. SH 365 / TCC (Toll / Pass Thru) – Seg. 1– FM1016 to Anzalduas – Eng. / Geotech - L&G Eng.					
- Review / Analyze / Comment on Consultant Contracts	$ 1,893.58	100.00%	$1,893.58	$1,893.58	$0.00
- Review / Analyze / Comment on all existing schematics; plans; reports; design parameters, etc.	$ 7,559.36	100.00%	$7,559.36	$7,559.36	$0.00
- Oversee / Manage contract from 10/01/11 to 02/01/12	$ 3,473.54	100.00%	$3,473.54	$3,473.54	$0.00
- Review / Analyze / Prepare independent construction cost estimates	$ 1,563.16	100.00%	$1,563.16	$1,563.16	$0.00

MONTHLY PROGRESS PAYMENT INVOICE - DANNENBAUM ENGINEERING CORPORATION
FOR CONSULTING ENGINEER'S SERVICES

Work Order No. 1:
Research Planning/Immediate Operations Phase

Invoice Number: 465201/27/XV
Invoice Period: 01/01/2014 - 01/31/2014

DESCRIPTION OF WORK TASK	COST PER TASK	PERCENT COMPLETE TO DATE	AMOUNT EARNED TO DATE	PREVIOUSLY BILLED	CURRENT BILLING
TASK 4 Gen. Eng. Consult. (GEC) Mgt. including contract negotiations (4 months) Continued					
B. General Engineering Consultant (GEC) Management of the following (4 Months)(Cont.)					
6. SH365/TCC at Anzalduas - Engineering/Geotech - L&G Engineering 1A					
- Review / Analyze / Comment on Consultant Contracts	$ 3,381.24	100.00%	$3,381.24	$3,381.24	$0.00
- Review / Analyze / Comment on all existing schematics; plans; reports; design parameters, etc.	$ 3,916.50	100.00%	$3,916.50	$3,916.50	$0.00
- Oversee / Manage contract from 10/01/11 to 02/01/12	$ 2,359.24	100.00%	$2,359.24	$2,359.24	$0.00
7. SH 365 / TCC (Toll / Pass Thru) – Seg. 1B – Anz. GSA Conn. to E. of 23rd – Eng. / Geo. - L&G Eng.					
- Review / Analyze / Comment on Consultant Contracts	$ 2,298.96	100.00%	$2,298.96	$2,298.96	$0.00
- Review / Analyze / Comment on all existing schematics; plans; reports; design parameters, etc.	$ 7,775.94	100.00%	$7,775.94	$7,775.94	$0.00
- Oversee / Manage contract from 10/01/11 to 02/01/12	$ 2,988.42	100.00%	$2,988.42	$2,988.42	$0.00
8. SH 365 / TCC (Toll / Pass Thru) – Seg. 2 – E. of 23rd to IBTC – Eng. / Geo. - S&B Infra.					
- Review / Analyze / Comment on Consultant Contracts	$ 3,186.94	100.00%	$3,186.94	$3,186.94	$0.00
- Review / Analyze / Comment on all existing schematics; plans; reports; design parameters, etc.	$ 6,107.56	100.00%	$6,107.56	$6,107.56	$0.00
- Oversee / Manage contract from 10/01/11 to 02/01/12	$ 4,775.06	100.00%	$4,775.06	$4,775.06	$0.00
9. US 281/Military Overpass - Engineering/Geotech/Survey -TEDSI Infrastructure					
- Review / Analyze / Comment on Consultant Contracts	$ 3,186.94	100.00%	$3,186.94	$3,186.94	$0.00
- Review / Analyze / Comment on all existing schematics; plans; reports; design parameters, etc.	$ 2,153.24	100.00%	$2,153.24	$2,153.24	$0.00
- Oversee / Manage contract from 10/01/11 to 02/01/12	$ 2,226.12	100.00%	$2,226.12	$2,226.12	$0.00
10. US 83 Connector to FM 495 - Eng./Geotech/Survey - S&B Infrastructure					
- Review / Analyze / Comment on Consultant Contracts	$ -	0.00%	$0.00	$0.00	$0.00
- Review / Analyze / Comment on all existing schematics; plans; reports; design parameters, etc.	$ -	0.00%	$0.00	$0.00	$0.00
- Oversee / Manage contract from 10/01/11 to 02/01/12	$ -	0.00%	$0.00	$0.00	$0.00
TASK 5 Procurement / Negotiations of Prof. Svcs.					
A. Procurement/Negotiations of Prof. Svcs. of the following: (4 months)					
1. SH 365 / TCC - Seg. 1 - ROW Acquisition/Title Company	$ -	0.00%	$0.00	$0.00	$0.00
2. SH 365 / TCC - Seg. 1A - ROW Acquisition/Title Company	$ -	0.00%	$0.00	$0.00	$0.00
3. SH 365 / TCC - Seg. 1B - ROW Acquisition/Title Company	$ -	0.00%	$0.00	$0.00	$0.00
4. SH 365 / TCC - Seg. 2 - ROW Acquisition/Title Company	$ -	0.00%	$0.00	$0.00	$0.00
5. IBTC Seg. 1-5 - Engineering (One Procurement up to Five(5) Firms)	$ 10,628.66	100.00%	$10,628.66	$10,628.66	$0.00
6. IBTC Seg. 1-5 - Survey (One Procurement up to Five(5) Firms)	$ 10,628.66	100.00%	$10,628.66	$10,628.66	$0.00
7. IBTC Seg. 1-5 - ROW Acquisition/Title Company	$ -	0.00%	$0.00	$0.00	$0.00
8. IBTC Geotech Total Project	$ -	0.00%	$0.00	$0.00	$0.00
9. US 83 Connector to SH 495 - ROW Acquisition/Title Company	$ -	0.00%	$0.00	$0.00	$0.00
10. US 281 (Military) Overpass at San Juan - ROW Acquisition/Title Company	$ -	0.00%	$0.00	$0.00	$0.00
11. La Joya Relief Route Corridor Seg. 1 - Environmental/Schematic (Update / Finalize)/Engineering	$ 5,991.18	100.00%	$5,991.18	$5,991.18	$0.00
12. La Joya Relief Route Corridor Seg. 1 - Geotech	$ -	0.00%	$0.00	$0.00	$0.00
13. La Joya Relief Route Corridor Seg. 1 - Survey	$ -	0.00%	$0.00	$0.00	$0.00
14. La Joya Relief Route Corridor Seg. 1 - ROW Acquisition/Title Co.	$ -	0.00%	$0.00	$0.00	$0.00
15. Toll Consultant / Traffic Management - system wide	$ -	0.00%	$0.00	$0.00	$0.00

MONTHLY PROGRESS PAYMENT INVOICE - DANNENBAUM ENGINEERING CORPORATION
FOR CONSULTING ENGINEER'S SERVICES

Work Order No. 1:
Research Planning/Immediate Operations Phase

Invoice Number: 465201/27/XV
Invoice Period: 01/01/2014 - 01/31/2014

DESCRIPTION OF WORK TASK	COST PER TASK	PERCENT COMPLETE TO DATE	AMOUNT EARNED TO DATE	PREVIOUSLY BILLED	CURRENT BILLING
DIRECT EXPENSES					
Lodging / Hotel ($100.00 / DAY)	$ 1,235.00	100.00%	$1,235.00	$1,235.00	$0.00
Meals ($30.00 / DAY)	$ 834.00	100.00%	$834.00	$834.00	$0.00
Rental Car	$ 1,770.00	100.00%	$1,770.00	$1,770.00	$0.00
Air Travel	$ 2,750.00	100.00%	$2,750.00	$2,750.00	$0.00
Parking	$ 154.00	100.00%	$154.00	$154.00	$0.00
Overnight Mail - letter size	$ 3,450.00	100.00%	$3,450.00	$3,450.00	$0.00
Photocopies B/W (8.5 X 11)	$ 709.90	100.00%	$709.90	$709.90	$0.00
Photocopies B/W (11 X 17)	$ 620.00	100.00%	$620.00	$620.00	$0.00
Photocopies Color (8.5 X 11)	$ 710.00	100.00%	$710.00	$710.00	$0.00
Photocopies Color (11 X 17)	$ 750.00	100.00%	$750.00	$750.00	$0.00
Color Graphics on Foam Board	$ 70.00	100.00%	$70.00	$70.00	$0.00
Public Outreach Laison	$ 60,000.00	100.00%	$60,000.00	$60,000.00	$0.00
CPA/Accounting Support Services	$ -	0.00%	$0.00	$0.00	$0.00
IT Support Services	$ -	0.00%	$0.00	$0.00	$0.00
Appraiser	$ -	0.00%	$0.00	$0.00	$0.00
Totals	$ 909,960.63		$ 909,960.63	$ 909,960.63	$ -

Amount Due This Invoice $ -

MONTHLY PROGRESS PAYMENT INVOICE - DANNENBAUM ENGINEERING CORPORATION
FOR CONSULTING ENGINEER'S SERVICES

February 11, 2014

Dennis Burleson, Chairman
Hidalgo County Regional Mobility Authority
510 South Pleasantview Drive
Weslaco, Texas 78596

Work Order No. 3:
Title Report for TCC

Invoice Number: **465201/27/XV**
Invoice Period: **01/01/2014 - 01/31/2014**

TASK CODE	DESCRIPTION OF WORK TASK	TOTAL COST	PERCENT COMPLETE TO DATE	AMOUNT EARNED TO DATE	PREVIOUSLY BILLED	CURRENT BILLING
1	Provide Title Reports	$57,750.00	100.00%	$57,750.00	$57,750.00	$0.00
	TOTALS	**$57,750.00**	**100.00%**	**$57,750.00**	**$57,750.00**	**$0.00**

TOTAL DUE WORK ORDER NO. 3: **$0.00**

MONTHLY PROGRESS PAYMENT INVOICE - DANNENBAUM ENGINEERING CORPORATION
FOR CONSULTING ENGINEER'S SERVICES

February 11, 2014

Dennis Burleson, Chairman
Hidalgo County Regional Mobility Authority
510 South Pleasantview Drive
Weslaco, Texas 78596

Work Order No. 4:
Engineering Management/Partial Operations Implementation/Public Outreach

Invoice Number: **465201/27/XV**
Invoice Period: **01/01/2014 - 01/31/2014**

TASK CODE	DESCRIPTION OF WORK TASK	TOTAL COST	PERCENT COMPLETE TO DATE	AMOUNT EARNED TO DATE	PREVIOUSLY BILLED	CURRENT BILLING
A	Coordinate / Update / Assist Executive Director	$8,958.03	100.00%	$8,958.03	$8,958.03	$0.00
B	Attend / Prepare Data / Report on Various Meetings (4.0 Months)	$58,185.85	100.00%	$58,185.85	$58,185.85	$0.00
C	Coordinate With HCMPO to Modify Short/ Long Term TIP to Account for Approved Strategy	$2,711.90	100.00%	$2,711.90	$2,711.90	$0.00
D	Negotiate / Coordinate with TxDOT on Pass Thru Agreement Modifications for SH 365 TCC / La Joya Relief Route / US 281	$18,512.54	100.00%	$18,512.54	$18,512.54	$0.00
E	Implement Interim Cost Accounting System Utilizing Dannenbaum Cost Accounting System	$22,926.32	100.00%	$22,926.32	$22,926.32	$0.00
F	Organize / Develop HCRMA Files By Project (Electronic and Hardcopy) - RMA Will Provide Flor Koll and Temporary Secretaries)	$19,183.08	100.00%	$19,183.08	$19,183.08	$0.00
G	Coordinate with Hidalgo County Appraisal District on TRZ Inputs and Agreements	$15,564.04	100.00%	$15,564.04	$15,564.04	$0.00
H	Implement Public Outreach Program Managing with Assistance from Consultant (Pathfinder) and others	$20,830.08	100.00%	$20,830.08	$20,830.08	$0.00
I	Public Outreach Meetings including Negotiations of Truck Restrictions with the following Cities (Including Travel and Preparation for Meeting) (4.0 Months):	$19,983.36	100.00%	$19,983.36	$19,983.36	$0.00
J	Oversee C&M Associates, Inc., in Developing the Update of the T&R Studies / Financing Alternatives (FSW) (4.0 Months)	$74,767.90	100.00%	$74,767.90	$74,767.90	$0.00
K	IBTC (3.0 Months)	$25,337.35	100.00%	$25,337.35	$25,337.35	$0.00
L	SH 365 / TCC (Modified) (Inc. TCC at GSA Anzalduas Bridge)(4.0 Months)	$216,358.43	100.00%	$216,358.43	$216,358.43	$0.00
M	US 281 / Military (3.0 Months)	$24,156.47	100.00%	$24,156.47	$24,156.47	$0.00
ODC	Direct Expenses	$166,880.50	100.00%	$166,880.50	$166,880.50	$0.00
	TOTALS	**$694,355.85**	**100.00%**	**$694,355.85**	**$694,355.85**	**$0.00**

TOTAL DUE WORK ORDER NO. 4: **$0.00** ✓

MONTHLY PROGRESS PAYMENT INVOICE - DANNENBAUM ENGINEERING CORPORATION
FOR CONSULTING ENGINEER'S SERVICES

Work Order No. 4:
Engineering Management/Partial Operations Implementation/Public Outreach

Invoice Number: 465201/27/XV
Invoice Period: 01/01/2014 - 01/31/2014

DESCRIPTION OF WORK TASK	COST PER TASK	PERCENT COMPLETE TO DATE	AMOUNT EARNED TO DATE	PREVIOUSLY BILLED	CURRENT BILLING
A. Coordinate / Update / Assist Executive Director					
1.) Educate Executive Director on Historical Activities / Budgets / Cost Accounting / Program Management Plan and QA/QC Plan (Including Bi-Monthly Mtgs (2 hrs/Wk x 9 Wks)	$ 8,958.03	100.00%	$8,958.03	$8,958.03	$0.00
B. Attend / Prepare Data / Report on Various Meetings (4.0 Months)					
1. HCRMA Board Meetings Including Presentation (Monthly) (5 Mts @ 4 hrs/Mtg) (Inc. Prep Time)	$ 16,401.80	100.00%	$16,401.80	$16,401.80	$0.00
2. HCRMA Planning Committee Meetings (5 Mts @ 2 hrs/Mtg) (Inc. Prep Time)	$ 4,694.28	100.00%	$4,694.28	$4,694.28	$0.00
3. HCRMA Finance Committee Meetings (5 Mts @ 2 hrs/Mtg) (Inc. Prep Time)	$ 4,694.28	100.00%	$4,694.28	$4,694.28	$0.00
4. HCRMA MPO Policy Committee Meeting (5 Mts @ 2 hrs/Mtg) (Inc. Prep Time)	$ 4,694.28	100.00%	$4,694.28	$4,694.28	$0.00
5. HCRMA MPO Tech Committee Meeting (5 Mts @ 2 hrs/Mtg) (Inc. Prep Time)	$ 4,694.28	100.00%	$4,694.28	$4,694.28	$0.00
6. Various Individual HCRMA Mtgs w/ Board (3 Mts @ 2 hrs/Mtg) (Inc. Prep Time)	$ 2,130.42	100.00%	$2,130.42	$2,130.42	$0.00
7. Hidalgo County Meetings w/Staff (2 Mtgs. @2 hr. / Mtg.) (Inc. Prep Time)	$ 2,023.44	100.00%	$2,023.44	$2,023.44	$0.00
8. Hidalgo County Commissioner Precinct No. 1 (2 Mtgs. @ 2 hrs. / Mtg.)	$ 1,379.80	100.00%	$1,379.80	$1,379.80	$0.00
9. Hidalgo County Commissioner Precinct No. 2 (2 Mtgs. @ 2 hrs. / Mtg.)	$ 1,379.80	100.00%	$1,379.80	$1,379.80	$0.00
10. Hidalgo County Commissioner Precinct No. 3 (2 Mtgs. @ 2 hrs. / Mtg.)	$ 1,379.80	100.00%	$1,379.80	$1,379.80	$0.00
11. Hidalgo County Commissioner Precinct No. 4 (2 Mtgs. @ 2 hrs. / Mtg.)	$ 1,379.80	100.00%	$1,379.80	$1,379.80	$0.00
12. Attend Meetings TxDOT-Pharr (3 Mtgs. @ 2 hrs. / Mtg.)(Inc. Prep Time)	$ 4,371.02	100.00%	$4,371.02	$4,371.02	$0.00
13. Attend Meetings TxDOT-Austin includes Travel (3 Mtgs. @ 10 hrs. / Mtg.)	$ 6,777.56	100.00%	$6,777.56	$6,777.56	$0.00
14. Attend Meetings With Senator Hinojosa (3 Mtgs. @ 2 hrs. / Mtg.)	$ 2,185.29	100.00%	$2,185.29	$2,185.29	$0.00
C. Coordinate With HCMPO to Modify Short/ Long Term TIP to Account for Approved Strategy	$ 2,711.90	100.00%	$2,711.90	$2,711.90	$0.00
D. Negotiate / Coordinate with TxDOT on Pass Thru Agreement Modifications for SH 365 TCC / La Joya Relief Route / US 281					
1. Meet / Coordinate With TxDOT Pharr (2 Mtgs. @ 4 hrs. / Mtg.)	$ 3,954.36	100.00%	$3,954.36	$3,954.36	$0.00
2. Meet / Coordinate With TxDOT Austin (1 Mtg @ 10 hrs. / Mtg.)	$ 4,694.28	100.00%	$4,694.28	$4,694.28	$0.00
3. Finalize Pass Thru Agreements	$ 9,863.90	100.00%	$9,863.90	$9,863.90	$0.00
E. Implement Interim Cost Accounting System Utilizing Dannenbaum Cost Accounting System					
1. Input Data for Development of Monthly Reports for HCRMA Board	$ 12,042.32	100.00%	$12,042.32	$12,042.32	$0.00
2. Modify Monthly Reports for HCRMA Needs	$ 5,697.02	100.00%	$5,697.02	$5,697.02	$0.00
3. Input Monthly Data and Produce Final Reports for May, June, July and August 2012	$ 5,186.98	100.00%	$5,186.98	$5,186.98	$0.00
F. Organize / Develop HCRMA Files By Project (Electronic and Hardcopy) - RMA Will Provide Flor Koll and Temporary Secretaries)	$ 19,183.08	100.00%	$19,183.08	$19,183.08	$0.00
G. Coordinate with Hidalgo County Appraisal District on TRZ Inputs and Agreements	$ 15,564.04	100.00%	$15,564.04	$15,564.04	$0.00
H. Implement Public Outreach Program Managing with Assistance from Consultant (Pathfinder) and others	$ 20,830.08	100.00%	$20,830.08	$20,830.08	$0.00

MONTHLY PROGRESS PAYMENT INVOICE - DANNENBAUM ENGINEERING CORPORATION
FOR CONSULTING ENGINEER'S SERVICES

Work Order No. 4:
Engineering Management/Partial Operations Implementation/Public Outreach

Invoice Number: 465201/27/XV
Invoice Period: 01/01/2014 - 01/31/2014

DESCRIPTION OF WORK TASK	COST PER TASK	PERCENT COMPLETE TO DATE	AMOUNT EARNED TO DATE	PREVIOUSLY BILLED	CURRENT BILLING
I. Public Outreach Meetings including Negotiations of Truck Restrictions with the following Cities (Including Travel and Preparation for Meeting) (4.0 Months):					
1. City of Pharr (2 Mtgs)	$ 3,976.32	100.00%	$3,976.32	$3,976.32	$0.00
2. San Juan (1 Mtg)	$ 2,013.60	100.00%	$2,013.60	$2,013.60	$0.00
3. Donna (1 Mtg)	$ 2,013.60	100.00%	$2,013.60	$2,013.60	$0.00
4. Weslaco (1 Mtg)	$ 2,013.60	100.00%	$2,013.60	$2,013.60	$0.00
5. City of Mercedes (1 Mtg)	$ 2,013.60	100.00%	$2,013.60	$2,013.60	$0.00
6. City of Edcouch (0 Mtg)	$ -	0.00%	$0.00	$0.00	$0.00
7. City of McAllen (2 Mtgs.)	$ 3,976.32	100.00%	$3,976.32	$3,976.32	$0.00
8. City of Mission (2 Mtgs.)	$ 3,976.32	100.00%	$3,976.32	$3,976.32	$0.00
9. City of Penitas (0 Mtg)	$ -	0.00%	$0.00	$0.00	$0.00
10. City of Palmview (0 Mtg)	$ -	0.00%	$0.00	$0.00	$0.00
11. City of La Joya (0 Mtg)	$ -	0.00%	$0.00	$0.00	$0.00
J. Oversee C&M Associates, Inc., in Developing the Update of the T&R Studies / Financing Alternatives (FSW) (4.0 Months)					
1. SH 365 TCC / IBTC / Segment D & La Joya Relief Route (Assisted by HDR)	$ 60,035.90	100.00%	$60,035.90	$60,035.90	$0.00
2. Update Strategic Plan for New T&R No. 1 (Work with First Southwest)	$ 14,732.00	100.00%	$14,732.00	$14,732.00	$0.00
K. IBTC (3.0 Months)					
1. Modify RFP and Procure Engineering Services (Including Environmental and Low Level Flight)	$ -	0.00%	$0.00	$0.00	$0.00
2. Oversee Local Environmental Clearance (Assisted by Blanton - Lead) (3.0 Months)	$ 24,234.55	100.00%	$24,234.55	$24,234.55	$0.00
3. Oversee IBTC Drainage Studies from 8/1/2012 to 8/31/2012 (1 Month)	$ -	0.00%	$0.00	$0.00	$0.00
4. Oversee Low Level Flight (8/1/2012 to 8/31/2012) (1 Month) (Assisted by Aranda & Associates - Lead)	$ -	0.00%	$0.00	$0.00	$0.00
5. QA/QC Drainage Study (60%) (Next Work Authorization)	$ -	0.00%	$0.00	$0.00	$0.00
6. QA/QC Low Level Flight (Aranda) (1 Month)	$ -	0.00%	$0.00	$0.00	$0.00
7. Attend Meeting with USIBWC (1) (Combined with TCC)	$ 1,102.80	100.00%	$1,102.80	$1,102.80	$0.00
8. Attend Meeting with USACOE (1) (Combined with TCC)	$ -	0.00%	$0.00	$0.00	$0.00
9. Attend Meeting with US Fish and Wildlife (1)(Combined with TCC)	$ -	0.00%	$0.00	$0.00	$0.00
L. SH 365 / TCC (Modified) (Inc. TCC at GSA Anzalduas Bridge)(4.0 Months)					
1. Oversee Environmental Clearance By Atkins (EA) (Assisted by Blanton & Assoc. - Lead)(5 Months)	$ 60,919.52	100.00%	$60,919.52	$60,919.52	$0.00
2. Oversee Drainage Studies Produced By L&G Engineering / S&B Infrastructure	$ 17,089.64	100.00%	$17,089.64	$17,089.64	$0.00
3. QA/QC Drainage Study (60%)	$ 9,158.68	100.00%	$9,158.68	$9,158.68	$0.00
4. Attend Meeting With USIBWC (1 Mtg. - El Paso)	$ 4,046.88	100.00%	$4,046.88	$4,046.88	$0.00
5. Attend Meeting With USACOE (1 Mtg. - HST)	$ -	0.00%	$0.00	$0.00	$0.00
6. Attend Meeting With US Fish & Wildlife (1 Mtg. - RGV)	$ -	0.00%	$0.00	$0.00	$0.00
7. Attend Meeting With TxDOT Austin / FHWA (1 Mtg. - Austin)	$ 3,227.59	100.00%	$3,227.59	$3,227.59	$0.00
8. Oversee / Development of 4-Lane Schematic and Update Super Two Schematic / Utilities / Final Design Review TCC at GSA	$ 72,546.95	100.00%	$72,546.95	$72,546.95	$0.00
9. QA/QC Schematic (60%)	$ 4,380.10	100.00%	$4,380.10	$4,380.10	$0.00
10. Prepare Decision Matrix for Environmental Consultant	$ 1,489.67	100.00%	$1,489.67	$1,489.67	$0.00
11. Oversee Surveyors (DOS Logistics / Quintanilla) (Assisted by Aranda and Associates - Lead)	$ 36,669.24	100.00%	$36,669.24	$36,669.24	$0.00
12. Hold / Lead Public Involvement Meeting (1 Mtg.) Including Prepare Exhibits	$ -	0.00%	$0.00	$0.00	$0.00
13. Prepare Land Plan to Assist Hunt Development / City of McAllen to Evaluate Alternative Thru Hunt Property	$ -	0.00%	$0.00	$0.00	$0.00
14. Meet with Hunt Development (Mission - 2 Mtgs) (2 hrs / Mtg)((Inc. Prep Time)	$ 6,830.16	100.00%	$6,830.16	$6,830.16	$0.00

MONTHLY PROGRESS PAYMENT INVOICE - DANNENBAUM ENGINEERING CORPORATION
FOR CONSULTING ENGINEER'S SERVICES

Work Order No. 4:
Engineering Management/Partial Operations Implementation/Public Outreach

Invoice Number: 465201/27/XV
Invoice Period: 01/01/2014 - 01/31/2014

DESCRIPTION OF WORK TASK	COST PER TASK	PERCENT COMPLETE TO DATE	AMOUNT EARNED TO DATE	PREVIOUSLY BILLED	CURRENT BILLING
M. US 281 / Military (3.0 Months)					
1. Oversee Environmental Clearance by Atkins (Categorical Exclusion -CE)(Assisted by Blanton & Associates) (4.0 Months)	$ 5,034.52	100.00%	$5,034.52	$5,034.52	$0.00
2. Oversee Engineer in Development of Route Studies / Schematic / Survey / PS&E Development (4.0 Months)	$ 11,776.60	100.00%	$11,776.60	$11,776.60	$0.00
3. QA/QC Route Study	$ 1,277.95	100.00%	$1,277.95	$1,277.95	$0.00
4. Meet With City of Pharr Including Development of Exhibits to Analyze US 281 / I Road / San Juan Area (2 Mtgs @ 2 hrs / Mtg)	$ 6,067.40	100.00%	$6,067.40	$6,067.40	$0.00
DIRECT EXPENSES					
Lodging / Hotel ($100.00 / DAY)	$ 1,537.50	100.00%	$1,537.50	$1,537.50	$0.00
Meals ($30.00 / DAY)	$ 495.00	100.00%	$495.00	$495.00	$0.00
Rental Car	$ 675.00	100.00%	$675.00	$675.00	$0.00
Air Travel	$ 6,750.00	100.00%	$6,750.00	$6,750.00	$0.00
Parking	$ 63.00	100.00%	$63.00	$63.00	$0.00
Overnight Mail - letter size	$ 1,150.00	100.00%	$1,150.00	$1,150.00	$0.00
Courier Services	$ 1,250.00	100.00%	$1,250.00	$1,250.00	$0.00
Photocopies B/W (8.5 X 11)	$ 2,320.00	100.00%	$2,320.00	$2,320.00	$0.00
Photocopies B/W (11 X 17)	$ 915.00	100.00%	$915.00	$915.00	$0.00
Photocopies Color (8.5 X 11)	$ 700.00	100.00%	$700.00	$700.00	$0.00
Photocopies Color (11 X 17)	$ 625.00	100.00%	$625.00	$625.00	$0.00
Color Graphics on Foam Board	$ 200.00	100.00%	$200.00	$200.00	$0.00
Newspaper Advertisement	$ -	0.00%	$0.00	$0.00	$0.00
Court Reporter (Public Hearings & Transcription)	$ -	0.00%	$0.00	$0.00	$0.00
Translator (English to Spanish or Sign Language)	$ -	0.00%	$0.00	$0.00	$0.00
Public Involvement Facility Rental	$ -	0.00%	$0.00	$0.00	$0.00
Public Outreach Liaison	$ 75,000.00	100.00%	$75,000.00	$75,000.00	$0.00
Accounting Support Services	$ 4,000.00	100.00%	$4,000.00	$4,000.00	$0.00
IT / Support Services	$ 3,200.00	100.00%	$3,200.00	$3,200.00	$0.00
Management Support Services	$ 32,000.00	100.00%	$32,000.00	$32,000.00	$0.00
Community Action Support	$ 36,000.00	100.00%	$36,000.00	$36,000.00	$0.00
Totals	$ 694,355.85		$ 694,355.85	$ 694,355.85	$ -

Amount Due This Invoice $ -

MONTHLY PROGRESS PAYMENT INVOICE - DANNENBAUM ENGINEERING CORPORATION
FOR CONSULTING ENGINEER'S SERVICES

February 11, 2014

Dennis Burleson, Chairman
Hidalgo County Regional Mobility Authority
510 South Pleasantview Drive
Weslaco, Texas 78596

Work Order No. 5:
Engineering Management/Partial Operations Implementation/Public Outreach

Invoice Number: 465201/27/XV
Invoice Period: 01/01/2014 - 01/31/2014

TASK CODE	DESCRIPTION OF WORK TASK	TOTAL COST	PERCENT COMPLETE TO DATE	AMOUNT EARNED TO DATE	PREVIOUSLY BILLED	CURRENT BILLING
A	Coordinate / Update / Assist Executive Director	$6,123.52	100.00%	$6,123.52	$6,123.52	$0.00
B	Attend / Prepare Data / Report on Various Meetings (4.0 Months)	$59,425.62	100.00%	$59,425.62	$59,425.62	$0.00
C	Continue to Coordinate With HCMPO to Modify Short/ Long Term TIP to Account for Approved Strategy including Updating Strategy (Two (2) Updates)	$8,484.08	100.00%	$8,484.08	$8,484.08	$0.00
D	Continue to Negotiate / Coordinate with TxDOT on Pass Thru Agreement Modifications or other TxDOT Funding Modification (availability payments-CAT12) for SH 365 Segment 1,2,3 and 4) / Segment No. 4 (US 281 / Military)	$3,838.98	100.00%	$3,838.98	$3,838.98	$0.00
E	Continue to Implement Interim Cost Accounting System Utilizing Dannenbaum Cost Accounting System	$20,012.60	100.00%	$20,012.60	$20,012.60	$0.00
F	Continue to Organize / Develop HCRMA Files By Project (Electronic and Hardcopy)	$10,314.08	100.00%	$10,314.08	$10,314.08	$0.00
G	Continue to Coordinate with Hidalgo County Appraisal District on TRZ Inputs and Agreements and Finalize Agreements with each entity	$13,878.78	100.00%	$13,878.78	$13,878.78	$0.00
H	Continue to Finalize and Implement Public Outreach Program with Assistance from Consultant (Pathfinder) and others	$37,776.61	100.00%	$37,776.61	$37,776.61	$0.00
I	Continued Public Outreach Meetings (Formal Presentation to Council) with the Appropriate Cities (Including Travel and Preparation for Meeting) (4.0 Months):	$11,150.84	100.00%	$11,150.84	$11,150.84	$0.00
J	Continue the Oversight of C&M Associates, Inc., in Developing the Update of the T&R Studies / Financing Alternatives (FSW) (4.0 Months)	$74,552.28	100.00%	$74,552.28	$74,552.28	$0.00
K	Continue to Oversee IBTC (4.0 Months)	$1,220.88	100.00%	$1,220.88	$1,220.88	$0.00
L	Continue to Oversee SH 365 (Segment 1,2 and 3) (Inc. SH 365 at GSA Anzalduas Bridge)(4.0 Months)	$250,916.15	100.00%	$250,916.15	$250,916.15	$0.00
M	SH 365 Segment No. 4 (US 281 / Military) (4.0 Months)	$34,334.89	100.00%	$34,334.89	$34,334.89	$0.00
N	Implementation of GIS Tools - Phase IA	$20,646.28	100.00%	$20,646.28	$20,646.28	$0.00
O	Implementation of Project Wise	$46,343.58	100.00%	$46,343.58	$46,343.58	$0.00
ODC	Direct Expenses	$170,217.79	100.00%	$170,217.79	$170,217.79	$0.00
	TOTALS	**$769,236.96**	**100.00%**	**$769,236.96**	**$769,236.96**	**$0.00**

TOTAL DUE WORK ORDER NO. 5: **$0.00** ✓

MONTHLY PROGRESS PAYMENT INVOICE - DANNENBAUM ENGINEERING CORPORATION
FOR CONSULTING ENGINEER'S SERVICES

Work Order No. 5:
Engineering Management/Partial Operations Implementation/Public Outreach

Invoice Number: 465201/27/XV
Invoice Period: 01/01/2014 - 01/31/2014

DESCRIPTION OF WORK TASK	COST PER TASK	PERCENT COMPLETE TO DATE	AMOUNT EARNED TO DATE	PREVIOUSLY BILLED	CURRENT BILLING
A. Coordinate / Update / Assist Executive Director					
1.) Educate Executive Director on Historical Activities / Budgets / Cost Accounting / Program Management Plan and QA/QC Plan (Including Weekly Mtgs)	$ 6,123.52	100.00%	$6,123.52	$6,123.52	$0.00
B. Attend / Prepare Data / Report on Various Meetings (4.0 Months)					
1. HCRMA Board Meetings Including Presentation (Monthly) (4 Mtgs) (Inc. Prep Time)	$ 16,448.84	100.00%	$16,448.84	$16,448.84	$0.00
2. HCRMA Planning Committee Meetings (4 Mts @ 2 hrs/Mtg) (Inc. Prep Time)	$ 8,483.22	100.00%	$8,483.22	$8,483.22	$0.00
3. HCRMA Finance Committee Meetings (4 Mts @ 2 hrs/Mtg) (Inc. Prep Time)	$ 8,483.22	100.00%	$8,483.22	$8,483.22	$0.00
4. HCRMA MPO Policy Committee Meeting (4 Mts @ 2 hrs/Mtg) (Inc. Prep Time)	$ 3,939.90	100.00%	$3,939.90	$3,939.90	$0.00
5. HCRMA MPO Tech Committee Meeting (4 Mts @ 2 hrs/Mtg) (Inc. Prep Time)	$ 3,418.56	100.00%	$3,418.56	$3,418.56	$0.00
6. Various HCRMA Mtgs w/ Individual Board Members / Special Board Meetings (1 Mtg @ 2 hrs/Mtg) (Inc. Prep Time)	$ 1,849.66	100.00%	$1,849.66	$1,849.66	$0.00
7. Hidalgo County Meetings w/Staff (2 Mtgs. @2 hr. / Mtg.) (Inc. Prep Time)	$ -	0.00%	$0.00	$0.00	$0.00
8. Hidalgo County Commissioner Precinct No. 1 (2 Mtgs. @ 2 hrs. / Mtg.)	$ -	0.00%	$0.00	$0.00	$0.00
9. Hidalgo County Commissioner Precinct No. 2 (2 Mtgs. @ 2 hrs. / Mtg.)	$ 2,109.60	100.00%	$2,109.60	$2,109.60	$0.00
10. Hidalgo County Commissioner Precinct No. 3 (2 Mtgs. @ 2 hrs. / Mtg.)	$ 2,109.60	100.00%	$2,109.60	$2,109.60	$0.00
11. Hidalgo County Commissioner Precinct No. 4 (2 Mtgs. @ 2 hrs. / Mtg.)	$ -	0.00%	$0.00	$0.00	$0.00
12. Attend Meetings TxDOT-Pharr (2 Mtgs. @ 2 hrs. / Mtg.)(Inc. Prep Time)	$ 3,073.90	100.00%	$3,073.90	$3,073.90	$0.00
13. Attend Meetings TxDOT-Austin includes Travel (1 Mtg. @ 10 hrs. / Mtg.)	$ 6,534.68	100.00%	$6,534.68	$6,534.68	$0.00
14. Attend Meetings With Senator Hinojosa (1 Mtgs. @ 2 hrs. / Mtg.)	$ 1,011.72	100.00%	$1,011.72	$1,011.72	$0.00
15. Attend Meeting - 3 days in Washington to Visit Congress/TIFA (1 Mtg.)	$ -	0.00%	$0.00	$0.00	$0.00
16. Attend Hidalgo County Commissioners' Court Meeting (2 Monthly Mtgs.) (2 Mtgs. X 2 hr./Mtg.)	$ 1,962.72	100.00%	$1,962.72	$1,962.72	$0.00
C. Continue to Coordinate With HCMPO to Modify Short/ Long Term TIP to Account for Approved Strategy, Including Updating Strategy (Two (2) Updates)	$ 8,484.08	100.00%	$8,484.08	$8,484.08	$0.00
D. Continue to Negotiate / Coordinate with TxDOT on Pass Thru Agreement Modifications or other TxDOT Funding Modification (availability payments-CAT12) for SH 365 (Segment 1,2,3 and 4) / Segment No. 4 (US 281 / Military)					
1. Meet / Coordinate With TxDOT Pharr (1 Mtgs. @ 2 hrs. / Mtg.)	$ 1,728.22	100.00%	$1,728.22	$1,728.22	$0.00
2. Meet / Coordinate With TxDOT Austin (0 Mtg @ 10 hrs. / Mtg.)	$ 382.54	100.00%	$382.54	$382.54	$0.00
3. Finalize Pass Thru Agreements and/or availability payments	$ 1,728.22	100.00%	$1,728.22	$1,728.22	$0.00
E. Continue to Implement Interim Cost Accounting System Utilizing Dannenbaum Cost Accounting System					
1. Continue to Input Data for Development of Monthly Reports for HCRMA Board (September 1, 2012 thru December 31, 2012)	$ 7,636.32	100.00%	$7,636.32	$7,636.32	$0.00
2. Continue to Modify Monthly Reports for HCRMA Needs	$ 5,007.12	100.00%	$5,007.12	$5,007.12	$0.00
3. Continue to Input Monthly Data and Produce Final Reports for Sept., Oct., Nov. and Dec. 2012	$ 7,369.16	100.00%	$7,369.16	$7,369.16	$0.00
F. Continue to Organize / Develop HCRMA Files By Project (Electronic and Hardcopy)	$ 10,314.08	100.00%	$10,314.08	$10,314.08	$0.00
G. Continue to Coordinate with Hidalgo County Appraisal District on TRZ Inputs and Agreements and Finalize Agreements with each entity	$ 13,878.78	100.00%	$13,878.78	$13,878.78	$0.00

MONTHLY PROGRESS PAYMENT INVOICE - DANNENBAUM ENGINEERING CORPORATION
FOR CONSULTING ENGINEER'S SERVICES

Work Order No. 5:
Engineering Management/Partial Operations Implementation/Public Outreach

Invoice Number: 465201/27/XV
Invoice Period: 01/01/2014 - 01/31/2014

DESCRIPTION OF WORK TASK	COST PER TASK	PERCENT COMPLETE TO DATE	AMOUNT EARNED TO DATE	PREVIOUSLY BILLED	CURRENT BILLING
H. Continue to Finalize and Implement Public Outreach Program Managing with Assistance from Consultant (Pathfinder) and others					
1. Finalize / Implement Public Outreach	$ 27,226.64	100.00%	$27,226.64	$27,226.64	$0.00
2. Review / Update Website	$ -	0.00%	$0.00	$0.00	$0.00
3. Develop Monthly Newsletter (Assist Subs)	$ -	0.00%	$0.00	$0.00	$0.00
4. Begin Development of Branding Loop Project (Assist Subs)	$ -	0.00%	$0.00	$0.00	$0.00
5. Assist / Develop Support Resolution From All Cities (Total 5 Mtgs.)	$ -	0.00%	$0.00	$0.00	$0.00
6. Meet with Large Property Owners (SH 365)(Total 3 Mtgs. Including Preparation)	$ 5,909.51	100.00%	$5,909.51	$5,909.51	$0.00
7. Meet with EDC for the Cities of McAllen / Mission (Total 1 Mtg.)	$ 3,173.34	100.00%	$3,173.34	$3,173.34	$0.00
8. Meet with Trade Association / Civic Association (US / Mexico) (Total 1 Mtg.)	$ 1,467.12	100.00%	$1,467.12	$1,467.12	$0.00
I. Continue Public Outreach Meetings (Formal Presentation to Council) with the following Cities (Including Travel and Preparation for Meeting) (4.0 Months):					
1. City of Pharr (2 Mtgs)	$ 2,742.60	100.00%	$2,742.60	$2,742.60	$0.00
2. City of Granjeno (1 Mtg)	$ 1,587.62	100.00%	$1,587.62	$1,587.62	$0.00
3. City of Donna (1 Mtg)	$ -	0.00%	$0.00	$0.00	$0.00
4. City of Weslaco (1 Mtg)	$ -	0.00%	$0.00	$0.00	$0.00
5. City of Mercedes (1 Mtg)	$ -	0.00%	$0.00	$0.00	$0.00
6. City of Edcouch (1 Mtg)	$ -	0.00%	$0.00	$0.00	$0.00
7. City of McAllen (2 Mtgs.)	$ 3,410.31	100.00%	$3,410.31	$3,410.31	$0.00
8. City of Mission (2 Mtgs.)	$ 3,410.31	100.00%	$3,410.31	$3,410.31	$0.00
9. City of Penitas (1 Mtg)	$ -	0.00%	$0.00	$0.00	$0.00
10. City of Palmview (1 Mtg)	$ -	0.00%	$0.00	$0.00	$0.00
11. City of La Joya (1 Mtg)	$ -	0.00%	$0.00	$0.00	$0.00
12. City of Edinburg (2 Mtgs)	$ -	0.00%	$0.00	$0.00	$0.00
13. City of Sullivan City (1 Mtg)	$ -	0.00%	$0.00	$0.00	$0.00
J. Continue the Oversight of C&M Associates, Inc., in Developing the Update of the T&R Studies / Financing Alternatives (FSW) (4.0 Months)					
1. SH 365 Segment 1,2,3 and 4 / IBTC / Segment D & La Joya Relief Route (Assisted by HDR)	$ 33,936.84	100.00%	$33,936.84	$33,936.84	$0.00
2. Update Strategic Plan for New Funding (Modification in Limits / Schedule / Funding Type)	$ 19,894.84	100.00%	$19,894.84	$19,894.84	$0.00
2. Update Strategic Plan after New T&R Numbers (Work with First Southwest)	$ 20,720.60	100.00%	$20,720.60	$20,720.60	$0.00
K. Continue to Oversee IBTC (4.0 Months)					
1. Modify RFP and Procure Engineering Services (Including Environmental and Low Level Flight)	$ -	0.00%	$0.00	$0.00	$0.00
2. Continue to Oversee Local Environmental Clearance (Assisted by Blanton - Lead) (4.0 Months)	$ 1,220.88	100.00%	$1,220.88	$1,220.88	$0.00
3. Oversee IBTC Drainage Studies	$ -	0.00%	$0.00	$0.00	$0.00
4. Oversee Low Level Flight (Assisted by Aranda & Associates - Lead)	$ -	0.00%	$0.00	$0.00	$0.00
5. QA/QC Drainage Study (60%)	$ -	0.00%	$0.00	$0.00	$0.00
6. QA/QC Low Level Flight (Aranda)	$ -	0.00%	$0.00	$0.00	$0.00
7. Attend Meeting with USIBWC (1) (Combined with SH 365)	$ -	0.00%	$0.00	$0.00	$0.00
8. Attend Meeting with USACOE (1) (Combined with SH 365)	$ -	0.00%	$0.00	$0.00	$0.00
9. Attend Meeting with US Fish and Wildlife (1)(Combined with SH 365)	$ -	0.00%	$0.00	$0.00	$0.00

MONTHLY PROGRESS PAYMENT INVOICE - DANNENBAUM ENGINEERING CORPORATION
FOR CONSULTING ENGINEER'S SERVICES

Work Order No. 5:
Engineering Management/Partial Operations Implementation/Public Outreach

Invoice Number: 465201/27/XV
Invoice Period: 01/01/2014 - 01/31/2014

DESCRIPTION OF WORK TASK	COST PER TASK	PERCENT COMPLETE TO DATE	AMOUNT EARNED TO DATE	PREVIOUSLY BILLED	CURRENT BILLING
L. Continue to Oversee SH 365 (Segment 1, 2 & 3) (Inc. SH 365 at GSA Anzalduas Bridge)(4.0 Months)					
1. Continue to Oversee Environmental Clearance By Atkins (EA) includes Negotiating Limits to FM 1016 (Assisted by Blanton & Assoc. - Lead)	$ 52,943.45	100.00%	$52,943.45	$52,943.45	$0.00
2. Continue to Oversee Drainage Studies Produced By L&G Engineering / S&B Infrastructure including Segment No. 3. Also, Includes Negotiating Limits to FM 1016.	$ 60,223.91	100.00%	$60,223.91	$60,223.91	$0.00
3. Continue to QA/QC Drainage Study (90%)	$ 7,756.42	100.00%	$7,756.42	$7,756.42	$0.00
4. Attend Meeting With USIBWC (1 Mtg. - El Paso)	$ 1,114.94	100.00%	$1,114.94	$1,114.94	$0.00
5. Attend Meeting With USACOE (1 Mtg. - HST)	$ -	0.00%	$0.00	$0.00	$0.00
6. Attend Meeting With US Fish & Wildlife (1 Mtg. - RGV)	$ -	0.00%	$0.00	$0.00	$0.00
7. Attend Meeting With TxDOT Austin / FHWA (1 Mtg. - Austin)	$ 4,694.28	100.00%	$4,694.28	$4,694.28	$0.00
8. Continue to Oversee / Development of 4-Lane Schematic (L&G Engineering and S&B Infrastructure) and Negotiate Limits to FM 1016	$ 39,860.87	100.00%	$39,860.87	$39,860.87	$0.00
9. QA/QC Schematic (90%)	$ 28,128.05	100.00%	$28,128.05	$28,128.05	$0.00
10. Prepare Decision Matrix for Environmental Consultant (in Work Authorization 4)	$ -	0.00%	$0.00	$0.00	$0.00
11. Continue to Oversee Surveyors including Right of Entry Assistance for 52 Parcels (DOS Logistics / Quintanilla) (Assisted by Aranda and Associates - Lead)	$ 48,346.44	100.00%	$48,346.44	$48,346.44	$0.00
12. Hold / Lead Public Involvement Meeting (1 Additional Mtg.) Including Prepare Exhibits	$ 4,277.88	100.00%	$4,277.88	$4,277.88	$0.00
13. Prepare Land Plan to Assist Hunt Development / City of McAllen to Evaluate Alternative Thru Hunt Property	$ -	0.00%	$0.00	$0.00	$0.00
14. Meet with Hunt Development (Mission - 2 Mtgs) (2 hrs / Mtg)((Inc. Prep Time)	$ 3,569.91	100.00%	$3,569.91	$3,569.91	$0.00
15. Assist HDR in Developing TIFIA Application	$ -	0.00%	$0.00	$0.00	$0.00
M. SH 365 Segment No. 4 (US 281 / Military) (4.0 Months)					
1. Oversee Environmental Clearance by Atkins (Included in Item L.)	$ -	0.00%	$0.00	$0.00	$0.00
2. Oversee Engineer in Development of Route Studies / Schematic / Survey / PS&E Development (4.0 Months)	$ 22,084.47	100.00%	$22,084.47	$22,084.47	$0.00
3. Finalize QA/QC Route Study	$ 7,390.21	100.00%	$7,390.21	$7,390.21	$0.00
4. Continue to Meet With City of Pharr Including Development of Exhibits to Analyze SH 365 (Segment No. 4) (US 281 / I Road / San Juan Area) (2 Mtgs)	$ 4,860.21	100.00%	$4,860.21	$4,860.21	$0.00
N. Implementation of GIS Tools - Phase IA					
1. Conduct Stakeholder and Program Management Team GIS user requirements meeting	$ 5,256.06	100.00%	$5,256.06	$5,256.06	$0.00
2. Develop GIS user requirements documentation and implementation plan	$ 4,323.28	100.00%	$4,323.28	$4,323.28	$0.00
3. Present user requirements and implementation plan to Stakeholders and Program Management Team	$ 2,766.54	100.00%	$2,766.54	$2,766.54	$0.00
4. Acquire and integrate Bing Map services	$ 3,788.88	100.00%	$3,788.88	$3,788.88	$0.00
5. Acquire and integrate existing GIS base map data from local government sources into an ArcGIS Server / SQL Server central database hosted from Dannenbaum's GIS hosting facility	$ 4,511.52	100.00%	$4,511.52	$4,511.52	$0.00
6. Tile up to three large existing GIS databases acquired from local Government sources for efficient web map rendering of large datasets (Future W.A.)	$ -	0.00%	$0.00	$0.00	$0.00
7. Design, load and integrate HCRMA specific GIS data into an ArcGIS Server / SQL Server central databalse hosted from Dannenbaum's GIS hosting facility (Future W.A.)	$ -	0.00%	$0.00	$0.00	$0.00
8. QA/QC existing and HCRMA specific GIS database for compliance with Task 1 - Requirements (Future W.A.)	$ -	0.00%	$0.00	$0.00	$0.00
9. Develop login page user interface (Future W.A.)	$ -	0.00%	$0.00	$0.00	$0.00
10. QA/QC login page user interface for compliance with Task 1 - Requirements (Future W.A.)	$ -	0.00%	$0.00	$0.00	$0.00

MONTHLY PROGRESS PAYMENT INVOICE - DANNENBAUM ENGINEERING CORPORATION
FOR CONSULTING ENGINEER'S SERVICES

Work Order No. 5:
Engineering Management/Partial Operations Implementation/Public Outreach

Invoice Number: 465201/27/XV
Invoice Period: 01/01/2014 - 01/31/2014

DESCRIPTION OF WORK TASK	COST PER TASK	PERCENT COMPLETE TO DATE	AMOUNT EARNED TO DATE	PREVIOUSLY BILLED	CURRENT BILLING
N. Implementation of GIS Tools - Phase IA (Continued)					
11. Develop ArcGIS Service, map services, Arc MAP, MXD projects files including map symbology (Future W.A.)	$ -	0.00%	$0.00	$0.00	$0.00
12. QA/QC ArcGIS Service, map services, Arc MAP, MXD projects files checking for quality of map symbology and compliance with Task 1 - Requirements (Future W.A.)	$ -	0.00%	$0.00	$0.00	$0.00
13. Develop GIS website map and legend tools on Dannenbaum's application development server (Future W.A.)	$ -	0.00%	$0.00	$0.00	$0.00
14. QA/QC / unit testing of the GIS website map and legend tools (Future W.A.)	$ -	0.00%	$0.00	$0.00	$0.00
15. Migrate GIS website map and legend tools from Dannenbaum's application development server to Dannenbaum's production ArcGIS Server hosting environment (Future W.A.)	$ -	0.00%	$0.00	$0.00	$0.00
16. Develop GIS website map and legend user manual documentation and conduct user training (Future W.A.)	$ -	0.00%	$0.00	$0.00	$0.00
O. Implementation of Project Wise					
1. Project Wise Overview Training (x1 initial kickoff meeting to go over Project Wise functionality and general use in an engineering project office environment)	$ 2,668.23	100.00%	$2,668.23	$2,668.23	$0.00
2. Project Wise Implementation (Install and configuration hardware and software onsite within DEC McAllen / HCRMA PMO)	$ 1,803.40	100.00%	$1,803.40	$1,803.40	$0.00
3. Project Wise End User Training (x4 brown bag training sessions to teach PMO users how to manage documents in a Project Wise document controlled environment)	$ 3,638.60	100.00%	$3,638.60	$3,638.60	$0.00
4. Inventory HCRMA Project Data by Type, User, Organization, Etc.	$ 13,005.23	100.00%	$13,005.23	$13,005.23	$0.00
5. Conduct Project Wise / GIS Data Maintenance Business Process Workshop (x1 Day for Project Wise / x1 Day for GIS - include time estimate for key subcontractor participation)	$ 10,803.64	100.00%	$10,803.64	$10,803.64	$0.00
6. Develop HCRMA Project Wise and GIS data management business process documentation	$ 10,916.43	100.00%	$10,916.43	$10,916.43	$0.00
7. Data Management End User Training (x4 brown bag training sessions to teach HCRMA PMO Project Wise and GIS data management business processes)	$ 3,508.05	100.00%	$3,508.05	$3,508.05	$0.00
DIRECT EXPENSES					
Lodging / Hotel ($100.00 / DAY)	$ 770.00	100.00%	$770.00	$770.00	$0.00
Meals ($30.00 / DAY)	$ 240.00	100.00%	$240.00	$240.00	$0.00
Rental Car	$ 360.00	100.00%	$360.00	$360.00	$0.00
Air Travel	$ 4,000.00	100.00%	$4,000.00	$4,000.00	$0.00
Parking	$ 28.00	100.00%	$28.00	$28.00	$0.00
Overnight Mail - letter size	$ 1,150.00	100.00%	$1,150.00	$1,150.00	$0.00
Courier Services	$ 900.00	100.00%	$900.00	$900.00	$0.00
Photocopies B/W (8.5 X 11)	$ 1,969.79	100.00%	$1,969.79	$1,969.79	$0.00
Photocopies B/W (11 X 17)	$ 775.00	100.00%	$775.00	$775.00	$0.00
Photocopies Color (8.5 X 11)	$ 700.00	100.00%	$700.00	$700.00	$0.00
Photocopies Color (11 X 17)	$ 625.00	100.00%	$625.00	$625.00	$0.00
Color Graphics on Foam Board	$ 200.00	100.00%	$200.00	$200.00	$0.00
Newspaper Advertisement	$ -	0.00%	$0.00	$0.00	$0.00
Court Reporter (Public Hearings & Transcription)	$ -	0.00%	$0.00	$0.00	$0.00
Translator (English to Spanish or Sign Language)	$ -	0.00%	$0.00	$0.00	$0.00
Public Involvement Facility Rental	$ -	0.00%	$0.00	$0.00	$0.00
Public Outreach Liaison (4 Months - September, October, November & December 2012)	$ 60,000.00	100.00%	$60,000.00	$60,000.00	$0.00

MONTHLY PROGRESS PAYMENT INVOICE - DANNENBAUM ENGINEERING CORPORATION
FOR CONSULTING ENGINEER'S SERVICES

Work Order No. 5:
Engineering Management/Partial Operations Implementation/Public Outreach

Invoice Number: 465201/27/XV
Invoice Period: 01/01/2014 - 01/31/2014

DESCRIPTION OF WORK TASK	COST PER TASK	PERCENT COMPLETE TO DATE	AMOUNT EARNED TO DATE	PREVIOUSLY BILLED	CURRENT BILLING
DIRECT EXPENSES (Continued)					
Accounting Support Services	$ 20,000.00	100.00%	$20,000.00	$20,000.00	$0.00
IT / Support Services (includes time on Project Wise Implementation / Data Organization @ 55 hrs)	$ 8,000.00	100.00%	$8,000.00	$8,000.00	$0.00
Bing Maps Annual Subscription Fee	$ 7,000.00	100.00%	$7,000.00	$7,000.00	$0.00
Management Support Services	$ 32,000.00	100.00%	$32,000.00	$32,000.00	$0.00
Community Action Support	$ 31,500.00	100.00%	$31,500.00	$31,500.00	$0.00
Totals	$ 769,236.96		$ 769,236.96	$ 769,236.96	$ -

Amount Due This Invoice $ -

MONTHLY PROGRESS PAYMENT INVOICE - DANNENBAUM ENGINEERING CORPORATION
FOR CONSULTING ENGINEER'S SERVICES

February 11, 2014

Dennis Burleson, Chairman
Hidalgo County Regional Mobility Authority
510 South Pleasantview Drive
Weslaco, Texas 78596

Work Order No. 6:
Engineering Management/Partial Operations Implementation/Public Outreach

Invoice Number: **465201/27/XV**
Invoice Period: **01/01/2014 - 01/31/2014**

TASK CODE	DESCRIPTION OF WORK TASK	TOTAL COST	PERCENT COMPLETE TO DATE	AMOUNT EARNED TO DATE	PREVIOUSLY BILLED	CURRENT BILLING
A	Coordinate / Update / Assist Executive Director	$6,123.52	100.00%	$6,123.52	$6,123.52	$0.00
B	Attend / Prepare Data / Report on Various Meetings (6.0 Months)	$55,067.18	100.00%	$55,067.18	$55,067.18	$0.00
C	Continue to Coordinate With HCMPO to Modify Short/ Long Term TIP to Account for Approved Strategy including Updating Strategy (One (1) Updates)	$2,687.60	100.00%	$2,687.60	$2,687.60	$0.00
D	Continue to Negotiate / Coordinate with TxDOT on Pass Thru Agreement Modifications or other TxDOT Funding Modification (availability payments-CAT12) for SH 365 Segment 1,2,3 and 4) / Segment No. 4 (US 281 / Military)	$6,984.88	100.00%	$6,984.88	$6,984.88	$0.00
E	Continue to Implement Interim Cost Accounting System Utilizing Dannenbaum Cost Accounting System	$17,620.24	100.00%	$17,620.24	$17,620.24	$0.00
F	Continue to Organize / Develop HCRMA Files By Project (Electronic and Hardcopy)	$9,684.90	100.00%	$9,684.90	$9,684.90	$0.00
G	Continue to Coordinate with Hidalgo County Appraisal District on TRZ Inputs and Agreements and Finalize Agreements with each entity	$0.00	0.00%	$0.00	$0.00	$0.00
H	Continue to Finalize and Implement Public Outreach Program with Assistance from Consultant (Pathfinder) and others	$22,648.44	100.00%	$22,648.44	$22,648.44	$0.00
I	Continued Public Outreach Meetings (Formal Presentation to Council) with the Appropriate Cities (Including Travel and Preparation for Meeting) (4.0 Months)	$11,941.12	100.00%	$11,941.12	$11,941.12	$0.00
J	Continue the Oversight of C&M Associates, Inc., in Developing the Update of the T&R Studies / Financing Alternatives (FSW) (4.0 Months)	$3,240.18	100.00%	$3,240.18	$3,240.18	$0.00
K	Continue to Oversee IBTC (4.0 Months)	$4,802.28	100.00%	$4,802.28	$4,802.28	$0.00
L	Continue to Oversee SH 365 (Segment 1,2 and 3) (Inc. SH 365 at GSA Anzalduas Bridge)(6.0 Months)	$309,653.23	100.00%	$309,653.23	$309,653.23	$0.00
M	SH 365 Segment No. 4 (US 281 / Military) (6.0 Months)	$38,917.76	100.00%	$38,917.76	$38,917.76	$0.00
N	Implementation of GIS Tools - Phase IA	$0.00	0.00%	$0.00	$0.00	$0.00
O	Implementation of Project Wise	$0.00	0.00%	$0.00	$0.00	$0.00
ODC	Direct Expenses	$200,463.00	100.00%	$200,463.00	$200,463.00	$0.00
	TOTALS	**$689,834.33**	**100.00%**	**$689,834.33**	**$689,834.33**	**$0.00**

TOTAL DUE WORK ORDER NO. 6: **$0.00** ✓

MONTHLY PROGRESS PAYMENT INVOICE - DANNENBAUM ENGINEERING CORPORATION
FOR CONSULTING ENGINEER'S SERVICES

Work Order No. 6:
Engineering Management/Partial Operations Implementation/Public Outreach

Invoice Number: 465201/27/XV
Invoice Period: 01/01/2014 - 01/31/2014

DESCRIPTION OF WORK TASK	COST PER TASK	PERCENT COMPLETE TO DATE	AMOUNT EARNED TO DATE	PREVIOUSLY BILLED	CURRENT BILLING
A. Coordinate / Update / Assist Executive Director					
1.) Educate Executive Director on Historical Activities / Budgets / Cost Accounting / Program Management Plan and QA/QC Plan (Including Weekly Mtgs)	$ 6,123.52	100.00%	$6,123.52	$6,123.52	$0.00
B. Attend / Prepare Data / Report on Various Meetings (6.0 Months)					
1. HCRMA Board Meetings Including Presentation (Monthly) (6 Mtgs) (Inc. Prep Time)	$ 11,571.60	100.00%	$11,571.60	$11,571.60	$0.00
2. HCRMA Planning Committee Meetings (6 Mts @ 2 hrs/Mtg) (Inc. Prep Time)	$ 6,313.20	100.00%	$6,313.20	$6,313.20	$0.00
3. HCRMA Finance Committee Meetings (6 Mts @ 2 hrs/Mtg) (Inc. Prep Time)	$ 6,313.20	100.00%	$6,313.20	$6,313.20	$0.00
4. HCRMA MPO Policy Committee Meeting (6 Mts @ 2 hrs/Mtg) (Inc. Prep Time)	$ 3,939.90	100.00%	$3,939.90	$3,939.90	$0.00
5. HCRMA MPO Tech Committee Meeting (6 Mts @ 2 hrs/Mtg) (Inc. Prep Time)	$ 3,108.90	100.00%	$3,108.90	$3,108.90	$0.00
6. Various HCRMA Mtgs w/ Individual Board Members / Special Board Meetings (6 Mtg @ 2 hrs/Mtg) (Inc. Prep Time)	$ 4,540.16	100.00%	$4,540.16	$4,540.16	$0.00
7. Hidalgo County Meetings w/Staff (2 Mtgs. @2 hr. / Mtg.) (Inc. Prep Time)	$ -	0.00%	$0.00	$0.00	$0.00
8. Hidalgo County Commissioner Precinct No. 1 (2 Mtgs. @ 2 hrs. / Mtg.)	$ 1,902.00	100.00%	$1,902.00	$1,902.00	$0.00
9. Hidalgo County Commissioner Precinct No. 2 (2 Mtgs. @ 2 hrs. / Mtg.)	$ 1,902.00	100.00%	$1,902.00	$1,902.00	$0.00
10. Hidalgo County Commissioner Precinct No. 3 (2 Mtgs. @ 2 hrs. / Mtg.)	$ 1,902.00	100.00%	$1,902.00	$1,902.00	$0.00
11. Hidalgo County Commissioner Precinct No. 4 (2 Mtgs. @ 2 hrs. / Mtg.)	$ 1,902.00	100.00%	$1,902.00	$1,902.00	$0.00
12. Attend Meetings TxDOT-Pharr (2 Mtgs. @ 2 hrs. / Mtg.)(Inc. Prep Time)	$ 1,902.00	100.00%	$1,902.00	$1,902.00	$0.00
13. Attend Meetings TxDOT-Austin includes Travel (1 Mtg. @ 10 hrs. / Mtg.)	$ 5,905.50	100.00%	$5,905.50	$5,905.50	$0.00
14. Attend Meetings With Senator Hinojosa (1 Mtgs. @ 2 hrs. / Mtg.)	$ 1,011.72	100.00%	$1,011.72	$1,011.72	$0.00
15. Attend Meeting - 3 days in Washington to Visit Congress/TIFA (1 Mtg.)	$ -	0.00%	$0.00	$0.00	$0.00
16. Attend Hidalgo County Commissioners' Court Meeting (2 Monthly Mtgs.) (3 Mtgs. X 2 hr./Mtg.)	$ 2,853.00	100.00%	$2,853.00	$2,853.00	$0.00
C. Continue to Coordinate With HCMPO to Modify Short/ Long Term TIP to Account for Approved Strategy, Including Updating Strategy (One (1) Update)	$ 2,687.60	100.00%	$2,687.60	$2,687.60	$0.00
D. Continue to Negotiate / Coordinate with TxDOT on Pass Thru Agreement Modifications or other TxDOT Funding Modification (availability payments-CAT12) for SH 365 (Segment 1,2,3 and 4) / Segment No. 4 (US 281 / Military)					
1. Meet / Coordinate With TxDOT Pharr (1 Mtgs. @ 2 hrs. / Mtg.)	$ 1,728.22	100.00%	$1,728.22	$1,728.22	$0.00
2. Meet / Coordinate With TxDOT Austin (1 Mtg @ 10 hrs. / Mtg.)	$ 3,528.44	100.00%	$3,528.44	$3,528.44	$0.00
3. Finalize Pass Thru Agreements and/or availability payments	$ 1,728.22	100.00%	$1,728.22	$1,728.22	$0.00
E. Continue to Implement Interim Cost Accounting System Utilizing Dannenbaum Cost Accounting System					
1. Continue to Input Data for Development of Monthly Reports for HCRMA Board (January 1, 2013 thru July 1, 2013)	$ 6,069.74	100.00%	$6,069.74	$6,069.74	$0.00
2. Continue to Modify Monthly Reports for HCRMA Needs	$ 5,826.86	100.00%	$5,826.86	$5,826.86	$0.00
3. Continue to Input Monthly Data and Produce Final Reports for January 1, 2013 thru July 1, 2013	$ 5,723.64	100.00%	$5,723.64	$5,723.64	$0.00
F. Continue to Organize / Develop HCRMA Files By Project (Electronic and Hardcopy)	$ 9,684.90	100.00%	$9,684.90	$9,684.90	$0.00
G. Continue to Coordinate with Hidalgo County Appraisal District on TRZ Inputs and Agreements and Finalize Agreements with each entity	$ -	0.00%	$0.00	$0.00	$0.00

MONTHLY PROGRESS PAYMENT INVOICE - DANNENBAUM ENGINEERING CORPORATION
FOR CONSULTING ENGINEER'S SERVICES

Work Order No. 6:
Engineering Management/Partial Operations Implementation/Public Outreach

Invoice Number: 465201/27/XV
Invoice Period: 01/01/2014 - 01/31/2014

DESCRIPTION OF WORK TASK	COST PER TASK	PERCENT COMPLETE TO DATE	AMOUNT EARNED TO DATE	PREVIOUSLY BILLED	CURRENT BILLING
H. Continue to Finalize and Implement Public Outreach Program Managing with Assistance from Consultant (Pathfinder) and others					
1. Finalize / Implement Public Outreach	$ 15,510.90	100.00%	$15,510.90	$15,510.90	$0.00
2. Review / Update Website	$ -	0.00%	$0.00	$0.00	$0.00
3. Develop Monthly Newsletter (Assist Subs)	$ -	0.00%	$0.00	$0.00	$0.00
4. Begin Development of Branding Loop Project (Assist Subs)	$ -	0.00%	$0.00	$0.00	$0.00
5. Assist / Develop Support Resolution From All Cities (Total 5 Mtgs.)	$ -	0.00%	$0.00	$0.00	$0.00
6. Meet with Large Property Owners (SH 365)(Total 2 Mtgs. Including Preparation)	$ 3,778.26	100.00%	$3,778.26	$3,778.26	$0.00
7. Meet with EDC for the Cities of McAllen / Mission (Total 1 Mtg.)	$ 1,892.16	100.00%	$1,892.16	$1,892.16	$0.00
8. Meet with Trade Association / Civic Association (US / Mexico) (Total 1 Mtg.)	$ 1,467.12	100.00%	$1,467.12	$1,467.12	$0.00
I. Continue Public Outreach Meetings (Formal Presentation to Council) with the following Cities (Including Travel and Preparation for Meeting) (4.0 Months):					
1. City of Pharr (2 Mtgs)	$ 2,739.94	100.00%	$2,739.94	$2,739.94	$0.00
2. City of Granjeno (1 Mtg)	$ 1,758.58	100.00%	$1,758.58	$1,758.58	$0.00
3. City of Donna (1 Mtg)	$ -	0.00%	$0.00	$0.00	$0.00
4. City of Weslaco (1 Mtg)	$ -	0.00%	$0.00	$0.00	$0.00
5. City of Mercedes (1 Mtg)	$ -	0.00%	$0.00	$0.00	$0.00
6. City of Edcouch (1 Mtg)	$ -	0.00%	$0.00	$0.00	$0.00
7. City of McAllen (2 Mtgs.)	$ 3,721.30	100.00%	$3,721.30	$3,721.30	$0.00
8. City of Mission (2 Mtgs.)	$ 3,721.30	100.00%	$3,721.30	$3,721.30	$0.00
9. City of Penitas (1 Mtg)	$ -	0.00%	$0.00	$0.00	$0.00
10. City of Palmview (1 Mtg)	$ -	0.00%	$0.00	$0.00	$0.00
11. City of La Joya (1 Mtg)	$ -	0.00%	$0.00	$0.00	$0.00
12. City of Edinburg (2 Mtgs)	$ -	0.00%	$0.00	$0.00	$0.00
13. City of Sullivan City (1 Mtg)	$ -	0.00%	$0.00	$0.00	$0.00
J. Continue the Oversight of C&M Associates, Inc., in Developing the Update of the T&R Studies / Financing Alternatives (FSW) (4.0 Months)					
1. SH 365 Segment 1,2,3 and 4 / IBTC / Segment D & La Joya Relief Route (Assisted by HDR)	$ -	0.00%	$0.00	$0.00	$0.00
2. Update Strategic Plan for New Funding (Modification in Limits / Schedule / Funding Type)	$ -	0.00%	$0.00	$0.00	$0.00
3. Verify Revised Strategic Plan after New T&R Numbers (Work with First Southwest)	$ 3,240.18	100.00%	$3,240.18	$3,240.18	$0.00
K. Continue to Oversee IBTC (4.0 Months)					
1. Modify RFP and Procure Engineering Services (Including Environmental and Low Level Flight)	$ -	0.00%	$0.00	$0.00	$0.00
2. Continue to Oversee Local Environmental Clearance (Assisted by Blanton - Lead) (4.0 Months)	$ 4,802.28	100.00%	$4,802.28	$4,802.28	$0.00
3. Oversee IBTC Drainage Studies	$ -	0.00%	$0.00	$0.00	$0.00
4. Oversee Low Level Flight (Assisted by Aranda & Associates - Lead)	$ -	0.00%	$0.00	$0.00	$0.00
5. QA/QC Drainage Study (60%)	$ -	0.00%	$0.00	$0.00	$0.00
6. QA/QC Low Level Flight (Aranda)	$ -	0.00%	$0.00	$0.00	$0.00
7. Attend Meeting with USIBWC (1) (Combined with SH 365)	$ -	0.00%	$0.00	$0.00	$0.00
8. Attend Meeting with USACOE (1) (Combined with SH 365)	$ -	0.00%	$0.00	$0.00	$0.00
9. Attend Meeting with US Fish and Wildlife (1)(Combined with SH 365)	$ -	0.00%	$0.00	$0.00	$0.00

MONTHLY PROGRESS PAYMENT INVOICE - DANNENBAUM ENGINEERING CORPORATION
FOR CONSULTING ENGINEER'S SERVICES

Work Order No. 6:
Engineering Management/Partial Operations Implementation/Public Outreach

Invoice Number: 465201/27/XV
Invoice Period: 01/01/2014 - 01/31/2014

DESCRIPTION OF WORK TASK	COST PER TASK	PERCENT COMPLETE TO DATE	AMOUNT EARNED TO DATE	PREVIOUSLY BILLED	CURRENT BILLING
L. Continue to Oversee SH 365 (Segment 1, 2 & 3) (Inc. SH 365 at GSA Anzalduas Bridge)(6.0 Months)					
1. Continue to Oversee Environmental Clearance By Atkins (EA) includes Negotiating Limits to FM 1016 (Assisted by Blanton & Assoc. - Lead)	$ 65,179.51	100.00%	$65,179.51	$65,179.51	$0.00
2. Continue to Oversee Drainage Studies / Utilities Produced By L&G Engineering / S&B Infrastructure including Segment No. 3. Also, (W.A. No. 1)	$ 64,918.66	100.00%	$64,918.66	$64,918.66	$0.00
3. Continue to QA/QC Drainage Study (90%)	$ 3,938.40	100.00%	$3,938.40	$3,938.40	$0.00
4. Attend Meeting With USIBWC (1 Mtg. - El Paso)	$ 4,459.76	100.00%	$4,459.76	$4,459.76	$0.00
5. Attend Meeting With USACOE (1 Mtg. - HST)	$ -	0.00%	$0.00	$0.00	$0.00
6. Attend Meeting With US Fish & Wildlife (1 Mtg. - RGV)	$ -	0.00%	$0.00	$0.00	$0.00
7. Attend Meeting With TxDOT Austin / FHWA (1 Mtg. - Austin)	$ 4,694.28	100.00%	$4,694.28	$4,694.28	$0.00
8. Continue to Oversee / Development of 4-Lane Schematic (L&G Engineering and S&B Infrastructure) (W.A. No. 1)	$ 49,511.86	100.00%	$49,511.86	$49,511.86	$0.00
9. QA/QC Schematic (100%)	$ 32,907.94	100.00%	$32,907.94	$32,907.94	$0.00
10. Prepare Decision Matrix for Environmental Consultant (in Work Authorization 4)	$ -	0.00%	$0.00	$0.00	$0.00
11. Continue to Oversee Surveyors including Right of Entry Assistance for 52 Parcels (DOS Logistics / Quintanilla) (Assisted by Aranda and Associates - Lead)	$ 57,702.70	100.00%	$57,702.70	$57,702.70	$0.00
12. Hold / Lead Public Involvement Meeting (1 Additional Mtg.) Including Prepare Exhibits	$ 19,200.30	100.00%	$19,200.30	$19,200.30	$0.00
13. Prepare Land Plan to Assist Hunt Development / City of McAllen to Evaluate Alternative Thru Hunt Property	$ -	0.00%	$0.00	$0.00	$0.00
14. Meet with Hunt Development (Mission - 2 Mtgs) (2 hrs / Mtg)((Inc. Prep Time)	$ 7,139.82	100.00%	$7,139.82	$7,139.82	$0.00
15. Assist HDR in Developing TIFIA Application	$ -	0.00%	$0.00	$0.00	$0.00
M. SH 365 Segment No. 4 (US 281 / Military) (6.0 Months)					
1. Oversee Environmental Clearance by Atkins (Included in Item L.)	$ -	0.00%	$0.00	$0.00	$0.00
2. Oversee Engineer in Development of Route Studies / Schematic / Survey / PS&E Development (4.0 Months)	$ 25,845.54	100.00%	$25,845.54	$25,845.54	$0.00
3. Finalize QA/QC Route Study	$ 6,591.94	100.00%	$6,591.94	$6,591.94	$0.00
4. Continue to Meet With City of Pharr Including Development of Exhibits to Analyze SH 365 (Segment No. 4) (US 281 / I Road / San Juan Area) (2 Mtgs)	$ 6,480.28	100.00%	$6,480.28	$6,480.28	$0.00
N. Implementation of GIS Tools - Phase IA					
1. Conduct Stakeholder and Program Management Team GIS user requirements meeting	$ -	0.00%	$0.00	$0.00	$0.00
2. Develop GIS user requirements documentation and implementation plan	$ -	0.00%	$0.00	$0.00	$0.00
3. Present user requirements and implementation plan to Stakeholders and Program Management Team	$ -	0.00%	$0.00	$0.00	$0.00
4. Acquire and integrate Bing Map services	$ -	0.00%	$0.00	$0.00	$0.00
5. Acquire and integrate existing GIS base map data from local government sources into an ArcGIS Server / SQL Server central database hosted from Dannenbaum's GIS hosting facility	$ -	0.00%	$0.00	$0.00	$0.00
6. Tile up to three large existing GIS databases acquired from local Government sources for efficient web map rendering of large datasets (Future W.A.)	$ -	0.00%	$0.00	$0.00	$0.00
7. Design, load and integrate HCRMA specific GIS data into an ArcGIS Server / SQL Server central database hosted from Dannenbaum's GIS hosting facility (Future W.A.)	$ -	0.00%	$0.00	$0.00	$0.00
8. QA/QC existing and HCRMA specific GIS database for compliance with Task 1 - Requirements (Future W.A.)	$ -	0.00%	$0.00	$0.00	$0.00
9. Develop login page user interface (Future W.A.)	$ -	0.00%	$0.00	$0.00	$0.00
10. QA/QC login page user interface for compliance with Task A - Requirements (Future W.A.)	$ -	0.00%	$0.00	$0.00	$0.00

MONTHLY PROGRESS PAYMENT INVOICE - DANNENBAUM ENGINEERING CORPORATION
FOR CONSULTING ENGINEER'S SERVICES

Work Order No. 6:
Engineering Management/Partial Operations Implementation/Public Outreach

Invoice Number: 465201/27/XV
Invoice Period: 01/01/2014 - 01/31/2014

DESCRIPTION OF WORK TASK	COST PER TASK	PERCENT COMPLETE TO DATE	AMOUNT EARNED TO DATE	PREVIOUSLY BILLED	CURRENT BILLING
N. Implementation of GIS Tools - Phase IA (Continued)					
11. Develop ArcGIS Service, map services, Arc MAP, MXD projects files including map symbology (Future W.A.)	$ -	0.00%	$0.00	$0.00	$0.00
12. QA/QC ArcGIS Service, map services, Arc MAP, MXD projects files checking for quality of map symbology and compliance with Task 1 - Requirements (Future W.A.)	$ -	0.00%	$0.00	$0.00	$0.00
13. Develop GIS website map and legend tools on Dannenbaum's application development server (Future W.A.)	$ -	0.00%	$0.00	$0.00	$0.00
14. QA/QC / unit testing of the GIS website map and legend tools (Future W.A.)	$ -	0.00%	$0.00	$0.00	$0.00
15. Migrate GIS website map and legend tools from Dannenbaum's application development server to Dannenbaum's production ArcGIS Server hosting environment (Future W.A.)	$ -	0.00%	$0.00	$0.00	$0.00
16. Develop GIS website map and legend user manual documentation and conduct user training (Future W.A.)	$ -	0.00%	$0.00	$0.00	$0.00
O. Implementation of Project Wise					
1. Project Wise Overview Training (x1 initial kickoff meeting to go over Project Wise functionality and general use in an engineering project office environment)	$ -	0.00%	$0.00	$0.00	$0.00
2. Project Wise Implementation (Install and configuration hardware and software onsite within DEC McAllen / HCRMA PMO)	$ -	0.00%	$0.00	$0.00	$0.00
3. Project Wise End User Training (x4 brown bag training sessions to teach PMO users how to manage documents in a Project Wise document controlled environment)	$ -	0.00%	$0.00	$0.00	$0.00
4. Inventory HCRMA Project Data by Type, User, Organization, Etc.	$ -	0.00%	$0.00	$0.00	$0.00
5. Conduct Project Wise / GIS Data Maintenance Business Process Workshop (x1 Day for Project Wise / x1 Day for GIS - include time estimate for key subcontractor participation)	$ -	0.00%	$0.00	$0.00	$0.00
6. Develop HCRMA Project Wise and GIS data management business process documentation	$ -	0.00%	$0.00	$0.00	$0.00
7. Data Management End User Training (x4 brown bag training sessions to teach HCRMA PMO Project Wise and GIS data management business processes)	$ -	0.00%	$0.00	$0.00	$0.00
DIRECT EXPENSES					
Lodging / Hotel ($100.00 / DAY)	$ 200.00	100.00%	$200.00	$200.00	$0.00
Meals ($30.00 / DAY)	$ 60.00	100.00%	$60.00	$60.00	$0.00
Rental Car	$ 180.00	100.00%	$180.00	$180.00	$0.00
Air Travel	$ 1,000.00	100.00%	$1,000.00	$1,000.00	$0.00
Parking	$ 28.00	100.00%	$28.00	$28.00	$0.00
Overnight Mail - letter size	$ 1,150.00	100.00%	$1,150.00	$1,150.00	$0.00
Courier Services	$ 500.00	100.00%	$500.00	$500.00	$0.00
Photocopies B/W (8.5 X 11)	$ 2,000.00	100.00%	$2,000.00	$2,000.00	$0.00
Photocopies B/W (11 X 17)	$ 750.00	100.00%	$750.00	$750.00	$0.00
Photocopies Color (8.5 X 11)	$ 700.00	100.00%	$700.00	$700.00	$0.00
Photocopies Color (11 X 17)	$ 625.00	100.00%	$625.00	$625.00	$0.00
Color Graphics on Foam Board	$ 270.00	100.00%	$270.00	$270.00	$0.00
Newspaper Advertisement	$ -	0.00%	$0.00	$0.00	$0.00
Court Reporter (Public Hearings & Transcription)	$ -	0.00%	$0.00	$0.00	$0.00
Translator (English to Spanish or Sign Language)	$ -	0.00%	$0.00	$0.00	$0.00
Public Involvement Facility Rental	$ -	0.00%	$0.00	$0.00	$0.00
Public Outreach Liaison (6 Months - Jan., Feb., Mar., Apr., May, June, 2013)	$ 90,000.00	100.00%	$90,000.00	$90,000.00	$0.00

MONTHLY PROGRESS PAYMENT INVOICE - DANNENBAUM ENGINEERING CORPORATION
FOR CONSULTING ENGINEER'S SERVICES

Work Order No. 6:
Engineering Management/Partial Operations Implementation/Public Outreach

Invoice Number: 465201/27/XV
Invoice Period: 01/01/2014 - 01/31/2014

DESCRIPTION OF WORK TASK	COST PER TASK	PERCENT COMPLETE TO DATE	AMOUNT EARNED TO DATE	PREVIOUSLY BILLED	CURRENT BILLING
DIRECT EXPENSES (Continued)					
Accounting Support Services	$ 10,000.00	100.00%	$10,000.00	$10,000.00	$0.00
IT / Support Services (includes time on Project Wise Implementation / Data Organization @ 55 hrs)	$ 8,000.00	100.00%	$8,000.00	$8,000.00	$0.00
Bing Maps Annual Subscription Fee	$ -	0.00%	$0.00	$0.00	$0.00
Management Support Services	$ 40,000.00	100.00%	$40,000.00	$40,000.00	$0.00
Community Action Support	$ 45,000.00	100.00%	$45,000.00	$45,000.00	$0.00
Totals	$ 689,834.33		$ 689,834.33	$ 689,834.33	$ -

Amount Due This Invoice $ -

MONTHLY PROGRESS PAYMENT INVOICE - DANNENBAUM ENGINEERING CORPORATION
FOR CONSULTING ENGINEER'S SERVICES

Work Order No. 6:
Supplemental Agreement No. 1 to WO 6 - Sketch Level Assessment of Potential Truck Diversion from Nogales Poe to Texas

Invoice Number: 465201/27/XV
Invoice Period: 01/01/2014 - 01/31/2014

DESCRIPTION OF WORK TASK	COST PER TASK	PERCENT COMPLETE TO DATE	AMOUNT EARNED TO DATE	PREVIOUSLY BILLED	CURRENT BILLING
A. Oversight of Sketch Level Assessment	$ 5,654.52	100.00%	$5,654.52	$5,654.52	$0.00
B. Review/Comment of Sketch Level Assessment	$ 5,654.52	100.00%	$5,654.52	$5,654.52	$0.00
C&M Associates, Inc. - Traffic and Revenue	$ 70,000.00	100.00%	$70,000.00	$70,000.00	$0.00
Totals	$ 81,309.04		$81,309.04	$81,309.04	$0.00 ✓

Amount Due This Invoice $ -

MONTHLY PROGRESS PAYMENT INVOICE - DANNENBAUM ENGINEERING CORPORATION
FOR CONSULTING ENGINEER'S SERVICES

Work Order No. 6:
Supplemental Agreement No. 2 to WO 6 - Value Engineering Report for SH 365

Invoice Number: 465201/27/XV
Invoice Period: 01/01/2014 - 01/31/2014

DESCRIPTION OF WORK TASK	COST PER TASK	PERCENT COMPLETE TO DATE	AMOUNT EARNED TO DATE	PREVIOUSLY BILLED	CURRENT BILLING
A. Pre- and Post-Workshop					
1) Project Management	$ 3,714.78	100.00%	$3,714.78	$3,714.78	$0.00
2) Pre-Workshop planning, information review, draft functional analysis	$ 6,481.36	100.00%	$6,481.36	$6,481.36	$0.00
3) Prepare Draft VE report, circulate for comment, finalize VE report	$ 19,097.92	100.00%	$19,097.92	$19,097.92	$0.00
B. Value Engineering Workshop (Mon-Fri)					
1) Travel time allowance	$ 16,378.40	100.00%	$16,378.40	$16,378.40	$0.00
2) VE Workshop	$ 93,399.84	100.00%	$93,399.84	$93,399.84	$0.00
DIRECT EXPENSES					
Lodging / Hotel ($100.00 / DAY)	$ 2,000.00	100.00%	$2,000.00	$2,000.00	$0.00
Meals ($30.00 / DAY)	$ 900.00	100.00%	$900.00	$900.00	$0.00
Rental Car	$ 780.00	100.00%	$780.00	$780.00	$0.00
Air Travel	$ 4,900.00	100.00%	$4,900.00	$4,900.00	$0.00
Parking	$ 300.00	100.00%	$300.00	$300.00	$0.00
Overnight Mail - letter size	$ 163.00	100.00%	$163.00	$163.00	$0.00
Courier Services	$ 100.00	100.00%	$100.00	$100.00	$0.00
Photocopies B/W (8.5 X 11)	$ 50.00	100.00%	$50.00	$50.00	$0.00
Photocopies B/W (11 X 17)	$ 20.00	100.00%	$20.00	$20.00	$0.00
Photocopies Color (8.5 X 11)	$ 350.00	100.00%	$350.00	$350.00	$0.00
Photocopies Color (11 X 17)	$ 125.00	100.00%	$125.00	$125.00	$0.00
Presentation Boards 30" x 40" Color Mounted	$ 360.00	100.00%	$360.00	$360.00	$0.00
Totals	$ 149,120.30		$149,120.30	$149,120.30	$ -

Amount Due This Invoice $ -

MONTHLY PROGRESS PAYMENT INVOICE - DANNENBAUM ENGINEERING CORPORATION
FOR CONSULTING ENGINEER'S SERVICES

Work Order No. 6:
Supplemental Agreement No. 3 to WO 6 - IBTC Low Level Flight

Invoice Number: 465201/27/XV
Invoice Period: 01/01/2014 - 01/31/2014

DESCRIPTION OF WORK TASK	COST PER TASK	PERCENT COMPLETE TO DATE	AMOUNT EARNED TO DATE	PREVIOUSLY BILLED	CURRENT BILLING
FC 145 - PROJECT MANAGEMENT AND ADMINISTRATION (FC 110 TO FC 160) (5 MONTHS)					
Project Management	$ 3,218.16	100.00%	$3,218.16	$3,218.16	$0.00
Coordination/Prepare Sub Contracts (1-Total)	$ 1,396.56	100.00%	$1,396.56	$1,396.56	$0.00
Manage Subconsultant Contracts (1-Total x 2-Mhrs/Mo Ea. x 5 Mos)	$ 3,096.72	100.00%	$3,096.72	$3,096.72	$0.00
Preparation of Invoices and Progress Reports (1 Per Mo X 5 Mos = 5 EA)	$ 2,307.36	100.00%	$2,307.36	$2,307.36	$0.00
Monitor Subproviders' Schedules on Monthly Basis (1 EA FOR 4 MONTHS)	$ 2,307.36	100.00%	$2,307.36	$2,307.36	$0.00
Prepare Monthly Project Schedule Update (5 EA)	$ 1,366.20	100.00%	$1,366.20	$1,366.20	$0.00
Organize and Upload Electronic File Deliverables	$ 3,388.16	100.00%	$3,388.16	$3,388.16	$0.00
QC/QA - Revised Draft Schematic (1 Submittal)	$ 6,046.04	100.00%	$6,046.04	$6,046.04	$0.00
QC/QA - Final Schematic (1 Submittal)	$ 5,331.48	100.00%	$5,331.48	$5,331.48	$0.00
QC/QA - Survey	$ 8,841.36	100.00%	$8,841.36	$8,841.36	$0.00
FC 150 - FIELD SURVEYING AND PHOTOGRAMMETRY					
Remove Existing DTM from Original Flight	$ 922.92	100.00%	$922.92	$922.92	$0.00
Update and Verify New Flight DTM File	$ 3,367.98	100.00%	$3,367.98	$3,367.98	$0.00
Right of Entry - Coordination, Administration, Research and Abstracting	$ 48,900.00	100.00%	$48,900.00	$48,900.00	$0.00
Preliminary Data Acquisition - Update Ownership Information and Maps	$ 5,783.36	100.00%	$5,783.36	$5,783.36	$0.00
Establish Primary Control Network	$ 33,502.80	100.00%	$33,502.80	$33,502.80	$0.00
Establish Secondary Control Network Along Proposed Centerline	$ 25,269.56	100.00%	$25,269.56	$25,269.56	$0.00
Establish Aerial Target Network for Design Level Photogrammetry	$ 60,902.08	100.00%	$60,902.08	$60,902.08	$0.00
Alignment Control	$ 42,585.95	100.00%	$42,585.95	$42,585.95	$0.00
Aerial Survey	$ 63,885.56	100.00%	$63,885.56	$63,885.56	$0.00
FC 160 -UPDATE SCHEMATIC BASED ON NEW DTM					
Update Horizontal Alignment Based on New DTM	$ 4,930.36	100.00%	$4,930.36	$4,930.36	$0.00
Update Vertical Alignment Based on New DTM	$ 4,930.36	100.00%	$4,930.36	$4,930.36	$0.00
Update ROW File Based on Revised Corner Clips	$ 3,084.52	100.00%	$3,084.52	$3,084.52	$0.00
Update Roadway Master Design File	$ 5,515.34	100.00%	$5,515.34	$5,515.34	$0.00
Verify and Update Topo File	$ 3,550.12	100.00%	$3,550.12	$3,550.12	$0.00
DIRECT EXPENSES					
Overnight Mail - letter size	$ 400.00	100.00%	$400.00	$400.00	$0.00
Courier Services	$ 1,000.00	100.00%	$1,000.00	$1,000.00	$0.00
Photocopies Color (11 X 17)	$ 250.00	100.00%	$250.00	$250.00	$0.00
Plots (Color on Bond) (4 Plots @ 40' each)	$ 640.00	100.00%	$640.00	$640.00	$0.00
Totals	$ 346,720.31		$ 346,720.31	$ 346,720.31	$ -

Amount Due This Invoice $ -

MONTHLY PROGRESS PAYMENT INVOICE - DANNENBAUM ENGINEERING CORPORATION
FOR CONSULTING ENGINEER'S SERVICES

Work Order No. 6:
Supplemental Agreement No. 4 to WO 6 - Engineering Management/Partial Operations Implementation/Public Outreach
Replaced by Supplemental Agreement No. 6 to WO 6 - Engineering Management/Partial Operations Implementation/Public Outreach

Invoice Number: 465201/27/XV
Invoice Period: 01/01/2014 - 01/31/2014

DESCRIPTION OF WORK TASK	COST PER TASK	PERCENT COMPLETE TO DATE	AMOUNT EARNED TO DATE	PREVIOUSLY BILLED	CURRENT BILLING
A. Coordinate / Update / Assist Executive Director					
1.) Continue to Educate Executive Director on Historical Activities / Budgets / Cost Accounting / Program Management Plan and QA/QC Plan (Including Weekly Mtgs) from July 1, 2013 to December 31, 2013	$ 6,123.52	100.00%	$6,123.52	$6,123.52	$0.00
B. Attend / Prepare Data / Report on Various Meetings (6.0 Months) July 1, 2013 through December 31, 2013					
1. HCRMA Board Meetings Including Presentation (Monthly) (6 Mtgs) (Inc. Prep Time)	$ 11,571.60	100.00%	$11,571.60	$11,571.60	$0.00
2. HCRMA Planning Committee Meetings (6 Mts @ 2 hrs/Mtg) (Inc. Prep Time)	$ 6,313.20	100.00%	$6,313.20	$6,313.20	$0.00
3. HCRMA Finance Committee Meetings (6 Mts @ 2 hrs/Mtg) (Inc. Prep Time)	$ 3,156.60	100.00%	$3,156.60	$3,156.60	$0.00
4. HCRMA MPO Policy Committee Meeting (6 Mts @ 2 hrs/Mtg) (Inc. Prep Time)	$ 3,939.90	100.00%	$3,939.90	$3,939.90	$0.00
5. HCRMA MPO Tech Committee Meeting (6 Mts @ 2 hrs/Mtg) (Inc. Prep Time)	$ 3,108.90	100.00%	$3,108.90	$3,108.90	$0.00
6. Various HCRMA Mtgs w/ Individual Board Members / Special Board Meetings (6 Mtg @ 2 hrs/Mtg) (Inc. Prep Time)	$ 4,540.16	100.00%	$4,540.16	$4,540.16	$0.00
7. Hidalgo County Meetings w/Staff (2 Mtgs. @2 hr. / Mtg.) (Inc. Prep Time)	$ -	0.00%	$0.00	$0.00	$0.00
8. Hidalgo County Commissioner Precinct No. 1 (2 Mtgs. @ 2 hrs. / Mtg.)	$ 2,436.32	100.00%	$2,436.32	$2,436.32	$0.00
9. Hidalgo County Commissioner Precinct No. 2 (2 Mtgs. @ 2 hrs. / Mtg.)	$ 1,902.00	100.00%	$1,902.00	$1,902.00	$0.00
10. Hidalgo County Commissioner Precinct No. 3 (2 Mtgs. @ 2 hrs. / Mtg.)	$ 1,902.00	100.00%	$1,902.00	$1,902.00	$0.00
11. Hidalgo County Commissioner Precinct No. 4 (2 Mtgs. @ 2 hrs. / Mtg.)	$ 1,902.00	100.00%	$1,902.00	$1,902.00	$0.00
12. Attend Meetings TxDOT-Pharr (2 Mtgs. @ 2 hrs. / Mtg.)(Inc. Prep Time)	$ 1,902.00	100.00%	$1,902.00	$1,902.00	$0.00
13. Attend Meetings TxDOT-Austin includes Travel (1 Mtg. @ 10 hrs. / Mtg.)	$ 3,388.78	100.00%	$3,388.78	$3,388.78	$0.00
14. Attend Meetings With Legislators (1 Mtgs. @ 2 hrs. / Mtg.)	$ 1,011.72	100.00%	$1,011.72	$1,011.72	$0.00
15. Attend Meeting - 3 days in Washington to Visit Congress/TIFA (1 Mtg.)	$ -	0.00%	$0.00	$0.00	$0.00
16. Attend Hidalgo County Commissioners' Court Meeting (3 Mtgs. X 2 hr./Mtg.)	$ 2,853.00	100.00%	$2,853.00	$2,853.00	$0.00
C. Continue to Coordinate With HCMPO to Modify Short/ Long Term TIP to Account for Approved Strategy, Including Updating Strategy (One (1) Update) from July 1, 2013 to December 31, 2013	$ 5,132.32	100.00%	$5,132.32	$5,132.32	$0.00
D. Continue to Negotiate / Coordinate with TxDOT on TxDOT Funding Modification (availability payments-CAT12) for SH 365 (Segment 1,2,3 and 4) / Segment No. 4 (US 281 / Military) from July 1, 2013 to December 31, 2013					
1. Meet / Coordinate With TxDOT Pharr (1 Mtg. @ 2 hrs. / Mtg.)	$ 1,728.22	100.00%	$1,728.22	$1,728.22	$0.00
2. Meet / Coordinate With TxDOT Austin (2 Mtgs. @ 10 hrs. / Mtg.)	$ 7,579.08	100.00%	$7,579.08	$7,579.08	$0.00
3. Finalize Availability Payments with TxDOT	$ 2,566.16	100.00%	$2,566.16	$2,566.16	$0.00
E. Continue to Implement Interim Cost Accounting System Utilizing Dannenbaum Cost Accounting System from July 1, 2013 to December 31, 2013					
1. Continue to Input Data for Development of Monthly Reports for HCRMA Board (July 1, 2013 thru December 31, 2013)	$ 6,069.74	100.00%	$6,069.74	$6,069.74	$0.00
2. Continue to Modify Monthly Reports for HCRMA Needs	$ 5,826.86	100.00%	$5,826.86	$5,826.86	$0.00
3. Continue to Input Monthly Data and Produce Final Reports for July 1, 2013 thru December 31, 2013	$ 5,723.64	100.00%	$5,723.64	$5,723.64	$0.00
F. Continue to Organize / Develop HCRMA Files By Project (Electronic and Hardcopy) from July 1, 2013 through December 31, 2013	$ 9,684.90	100.00%	$9,684.90	$9,684.90	$0.00

MONTHLY PROGRESS PAYMENT INVOICE - DANNENBAUM ENGINEERING CORPORATION
FOR CONSULTING ENGINEER'S SERVICES

Work Order No. 6:
Supplemental Agreement No. 4 to WO 6 - Engineering Management/Partial Operations Implementation/Public Outreach
Replaced by Supplemental Agreement No. 6 to WO 6 - Engineering Management/Partial Operations Implementation/Public Outreach

Invoice Number: 465201/27/XV
Invoice Period: 01/01/2014 - 01/31/2014

DESCRIPTION OF WORK TASK	COST PER TASK	PERCENT COMPLETE TO DATE	AMOUNT EARNED TO DATE	PREVIOUSLY BILLED	CURRENT BILLING
G. Continue to Coordinate with Hidalgo County Appraisal District on TRZ Inputs and Agreements and Finalize Agreements with each entity					
1. Research/Develop/Assist in Creating and Inputting of Data for Around 485 Parcels within TRZ to Assume Accuracy	$ 62,661.60	100.00%	$62,661.60	$62,661.60	$0.00
H. Continue to Finalize and Implement Public Outreach Program Managing with Assistance from Consultants from July 1, 2013 to December 31, 2013					
1. Finalize / Implement Public Outreach	$ 15,510.90	100.00%	$15,510.90	$15,510.90	$0.00
2. Review / Update Website	$ -	0.00%	$0.00	$0.00	$0.00
3. Develop Monthly Newsletter (Assist Subs)	$ -	0.00%	$0.00	$0.00	$0.00
4. Begin Development of Branding Loop Project (Assist Subs)	$ 11,580.84	100.00%	$11,580.84	$11,580.84	$0.00
5. Assist / Develop Support Resolution From All Cities (Total 5 Mtgs.)	$ -	0.00%	$0.00	$0.00	$0.00
6. Meet with Large Property Owners (SH 365)(Total 2 Mtgs. Including Preparation)	$ 3,778.26	100.00%	$3,778.26	$3,778.26	$0.00
7. Meet with EDC for the Cities of McAllen / Mission (Total 1 Mtg.)	$ 1,892.16	100.00%	$1,892.16	$1,892.16	$0.00
8. Meet with Trade Association / Civic Association (US / Mexico) (Total 1 Mtg.)	$ 1,467.12	100.00%	$1,467.12	$1,467.12	$0.00
I. Continue Public Outreach Meetings (Formal Presentation to Council) with the following Cities (Including Travel and Preparation for Meeting) (6.0 Months)(from July 1, 2013 to December 1, 2013):					
1. City of Pharr (2 Mtgs)	$ 2,739.94	100.00%	$2,739.94	$2,739.94	$0.00
2. City of Granjeno (1 Mtg)	$ 1,758.58	100.00%	$1,758.58	$1,758.58	$0.00
3. City of Donna (1 Mtg)	$ 1,728.22	100.00%	$1,728.22	$1,728.22	$0.00
4. City of Weslaco (1 Mtg)	$ 1,728.22	100.00%	$1,728.22	$1,728.22	$0.00
5. City of Mercedes (1 Mtg)	$ 1,728.22	100.00%	$1,728.22	$1,728.22	$0.00
6. City of Edcouch (1 Mtg)	$ -	0.00%	$0.00	$0.00	$0.00
7. City of McAllen (2 Mtgs.)	$ 3,721.30	100.00%	$3,721.30	$3,721.30	$0.00
8. City of Mission (2 Mtgs.)	$ 3,721.30	100.00%	$3,721.30	$3,721.30	$0.00
9. City of Penitas (1 Mtg)	$ -	0.00%	$0.00	$0.00	$0.00
10. City of Palmview (1 Mtg)	$ -	0.00%	$0.00	$0.00	$0.00
11. City of La Joya (1 Mtg)	$ -	0.00%	$0.00	$0.00	$0.00
12. City of Edinburg (2 Mtgs)	$ -	0.00%	$0.00	$0.00	$0.00
13. City of Sullivan City (1 Mtg)	$ -	0.00%	$0.00	$0.00	$0.00
J. Continue the Oversight of C&M Associates, Inc., in Developing the Overweight Corridor Study (6.0 months) from July 1, 2013 to December 31, 2013					
1. Implementation of C&M Overweight Corridor Study	$ 4,367.24	100.00%	$4,367.24	$4,367.24	$0.00
2. Update Strategic Plan for Funding (Project Funding from Overweight Permits / Additional TxDOT Funding/Leverage)	$ 8,544.84	100.00%	$8,544.84	$8,544.84	$0.00
3. Coordinate with development of overweight corridor	$ 7,512.56	100.00%	$7,512.56	$7,512.56	$0.00
K. Continue to Oversee IBTC (6.0 Months) from July 1, 2013 to December 1, 2013					
1. Assist HCRMA E.D. to Modify RFP and Procure Engineering Services (Including Contract Negotiations for Main Contract and WA No. 1) for each Project Assumes (2 Projects)	$ 29,862.78	100.00%	$29,862.78	$29,862.78	$0.00
2. Assist HCRMA E.D. to Develop RFQ, Procure Surveyors for Right of Way mapping (Including Contract Negotiations for Main Contract and WA No. 1 assumes 3 Surveyors (Assist by Aranda & Associates))	$ 12,163.78	100.00%	$12,163.78	$12,163.78	$0.00
3. Assist HCRMA E.D. to Develop RFQ, Procure Geotechnical Consultant for Geotechnical work for all of IBTC assume one project	$ 4,027.18	100.00%	$4,027.18	$4,027.18	$0.00
4. Continue to Oversee Local Environmental Clearance (Assisted by Blanton - Lead) (6.0 Months)	$ 50,790.94	100.00%	$50,790.94	$50,790.94	$0.00

MONTHLY PROGRESS PAYMENT INVOICE - DANNENBAUM ENGINEERING CORPORATION
FOR CONSULTING ENGINEER'S SERVICES

Work Order No. 6:
Supplemental Agreement No. 4 to WO 6 - Engineering Management/Partial Operations Implementation/Public Outreach
Replaced by Supplemental Agreement No. 6 to WO 6 - Engineering Management/Partial Operations Implementation/Public Outreach

Invoice Number: 465201/27/XV
Invoice Period: 01/01/2014 - 01/31/2014

DESCRIPTION OF WORK TASK	COST PER TASK	PERCENT COMPLETE TO DATE	AMOUNT EARNED TO DATE	PREVIOUSLY BILLED	CURRENT BILLING
K. Continue to Oversee IBTC (6.0 Months) from July 1, 2013 to December 1, 2013 (continued)					
5. Oversee IBTC Drainage Studies (Nov. 1, 2013 to Dec. 31, 2013) (2.0 Months) (Delete Future WA)	$ -	0.00%	$0.00	$0.00	$0.00
6. Oversee Low Level Flight (Assisted by Aranda & Associates - Lead) (including previous)	$ -	0.00%	$0.00	$0.00	$0.00
7. QA/QC Drainage Study (60%)	$ -	0.00%	$0.00	$0.00	$0.00
8. QA/QC Low Level Flight (Aranda) (Including previous)	$ -	0.00%	$0.00	$0.00	$0.00
9. Attend Meeting with USIBWC (1) (Combined with SH 365) in El Paso	$ -	0.00%	$0.00	$0.00	$0.00
10. Attend Meeting with USACOE (1) (Combined with SH 365)	$ -	0.00%	$0.00	$0.00	$0.00
11. Attend Meeting with US Fish and Wildlife (1) (Delete Future WA)	$ -	0.00%	$0.00	$0.00	$0.00
L. Continue to Oversee SH 365 (Segment 1, 2 & 3) (inc. SH 365 at GSA Anzalduas Bridge)(6.0 Months) from July 1, 2013 to December 31, 2013					
1. Continue to Oversee Environmental Clearance By Atkins (EA) includes Negotiating Limits to FM 1016 (Assisted by Blanton & Assoc. - Lead)	$ 85,371.13	100.00%	$85,371.13	$85,371.13	$0.00
2. Continue to Oversee Drainage Studies / Utilities / Pavement Design Produced By L&G Engineering / S&B Infrastructure including Segment No. 3. Also, (W.A. No. 1)	$ 51,171.52	100.00%	$51,171.52	$51,171.52	$0.00
3. Continue to QA/QC Drainage Study (90%)	$ 12,937.22	100.00%	$12,937.22	$12,937.22	$0.00
4. Attend Meeting With USIBWC (1 Mtg. - El Paso) (Including IBTC)	$ 5,544.34	100.00%	$5,544.34	$5,544.34	$0.00
5. Attend Meeting With USACOE (1 Mtg. - HST)	$ 5,544.34	100.00%	$5,544.34	$5,544.34	$0.00
6. Attend Meeting With US Fish & Wildlife (1 Mtg. - RGV) (Included in IBTC)	$ -	0.00%	$0.00	$0.00	$0.00
7. Attend Meeting With TxDOT Austin / FHWA (1 Mtg. - Austin)	$ 4,694.28	100.00%	$4,694.28	$4,694.28	$0.00
8. Continue to Oversee / Development of 4-Lane Schematic (L&G Engineering and S&B Infrastructure) (W.A. No. 1)	$ 22,267.48	100.00%	$22,267.48	$22,267.48	$0.00
9. QA/QC Schematic (100%)	$ 29,264.82	100.00%	$29,264.82	$29,264.82	$0.00
10. Prepare Decision Matrix for Environmental Consultant	$ -	0.00%	$0.00	$0.00	$0.00
11. Continue to Oversee Surveyors including Right of Entry Assistance for 100 Parcels (DOS Logistics / Quintanilla) (Assisted by Aranda and Associates - Lead)	$ 3,968.78	100.00%	$3,968.78	$3,968.78	$0.00
12. Hold / Lead Public Involvement Meeting (1 Additional Mtg.) Including Prepare Exhibits (Partial Deletion, Actual meeting in future WA)	$ 3,840.39	100.00%	$3,840.39	$3,840.39	$0.00
13. Negotiate/Prepare W.A. No. 2 with L&G & S&B for PS&E Development including monitoring PS&E Development from 9/1/13 to 12/31/13 (4 Months)	$ 42,197.02	100.00%	$42,197.02	$42,197.02	$0.00
14. Negotiate/Prepare W.A. No. 2 for DOS and Quintanilla for SH 365 (Assist by Aranda & Associates)	$ 71,198.50	100.00%	$71,198.50	$71,198.50	$0.00
15. Meet with Hunt Development (Mission - 2 Mtgs) (2 hrs / Mtg)((Inc. Prep Time)	$ 7,139.82	100.00%	$7,139.82	$7,139.82	$0.00
16. Assist HDR in Developing TIFIA Application (NOT in this supplemental)	$ -	0.00%	$0.00	$0.00	$0.00
M. Continue to Oversee SH 365 Segment No. 4 (US 281 / Military) (6.0 Months) from July 1, 2013 to December 1, 2013					
1. Oversee Environmental Clearance by Atkins (Included in Item L.)	$ -	0.00%	$0.00	$0.00	$0.00
2. Oversee Engineer in Development of Drainage / Utilities / Schematic / Survey / Warrant Studies / Illumination Studies (6.0 Months)	$ 59,802.88	100.00%	$59,802.88	$59,802.88	$0.00
3. Negotiate / Prepare WA No. 3 for TEDSI for Preparation of PS&E and Monitor PS&E for 11/1/13 to 12/31/13 (2.0 Months)	$ 24,628.72	100.00%	$24,628.72	$24,628.72	$0.00
4. Continue to Meet With City of Pharr Including Development of Exhibits to Analyze SH 365 (Segment No. 4) (US 281 / I Road / San Juan Area) (2 Mtgs)	$ 6,480.28	100.00%	$6,480.28	$6,480.28	$0.00

MONTHLY PROGRESS PAYMENT INVOICE - DANNENBAUM ENGINEERING CORPORATION
FOR CONSULTING ENGINEER'S SERVICES

Work Order No. 6:
Supplemental Agreement No. 4 to WO 6 - Engineering Management/Partial Operations Implementation/Public Outreach
Replaced by Supplemental Agreement No. 6 to WO 6 - Engineering Management/Partial Operations Implementation/Public Outreach

Invoice Number: 465201/27/XV
Invoice Period: 01/01/2014 - 01/31/2014

DESCRIPTION OF WORK TASK	COST PER TASK	PERCENT COMPLETE TO DATE	AMOUNT EARNED TO DATE	PREVIOUSLY BILLED	CURRENT BILLING
N. Implementation of GIS Tools					
User Requirements					
1. Conduct Stakeholder and Program Management Team GIS user requirements meeting	$ 3,716.08	100.00%	$3,716.08	$3,716.08	$0.00
2. Develop GIS user requirements documentation and implementation plan	$ 4,323.28	100.00%	$4,323.28	$4,323.28	$0.00
3. Present user requirements and implementation plan to Stakeholders and Program Management Team	$ 621.23	100.00%	$621.23	$621.23	$0.00
Database					
1. Design, load and integrate HCRMA specific GIS data into an ArcGIS Server / SQL Server central database with ProjectWise documents	$ 31,428.96	100.00%	$31,428.96	$31,428.96	$0.00
2. QA/QC existing and HCRMA specific GIS database for compliance with Requirements	$ 4,176.43	100.00%	$4,176.43	$4,176.43	$0.00
1. Develop GIS roadway information management tools on Dannenbaum's application development server	$ 12,629.60	100.00%	$12,629.60	$12,629.60	$0.00
2. Integrate document access through ArcGIS Server website application to documents being managed through ProjectWise	$ 3,788.88	100.00%	$3,788.88	$3,788.88	$0.00
3. QA/QC / unit testing of the GIS roadway information management tools	$ 8,913.68	100.00%	$8,913.68	$8,913.68	$0.00
4. Migrate GIS roadway information management tools from Dannenbaum's application development server to Dannenbaum's production ArcGIS Server hosting environment	$ 1,569.60	100.00%	$1,569.60	$1,569.60	$0.00
5. Develop GIS roadway information management tools user manual documentation and conduct user training	$ 3,088.30	100.00%	$3,088.30	$3,088.30	$0.00
ROW Acquisition Tools					
1. Develop ROW acquisition tools on Dannenbaum's application development server	$ 3,788.88	100.00%	$3,788.88	$3,788.88	$0.00
2. QA/QC / unit testing of the ROW acquisition tools	$ 2,543.01	100.00%	$2,543.01	$2,543.01	$0.00
3. Migrate ROW acquisition tools from Dannenbaum's application development server to Dannenbaum's production ArcGIS server hosting environment	$ 1,569.60	100.00%	$1,569.60	$1,569.60	$0.00
4. Develop ROW acquisition tools user manual documentation and conduct user training	$ 2,773.71	100.00%	$2,773.71	$2,773.71	$0.00
Utility Adjustment Tools					
1. Develop utility adjustment tools on Dannenbaum's application development server	$ 18,944.40	100.00%	$18,944.40	$18,944.40	$0.00
2. QA/QC / unit testing of the utility adjustment tools	$ 9,228.27	100.00%	$9,228.27	$9,228.27	$0.00
3. Migrate utility adjustment tools from Dannenbaum's application development server to Dannenbaum's production ArcGIS server hosting environment	$ 1,569.60	100.00%	$1,569.60	$1,569.60	$0.00
4. Develop utility adjustment tools user manual documentation and conduct user training	$ 2,773.71	100.00%	$2,773.71	$2,773.71	$0.00
Helpdesk					
1. Tech Support	$ 5,993.12	100.00%	$5,993.12	$5,993.12	$0.00
Data Maintenance					
1. Perform database updates and maintenance to keep information current	$ 46,268.40	100.00%	$46,268.40	$46,268.40	$0.00
O. Implementation of Project Wise					
1. PMC Training (x1 brownbag session via Web)	$ 503.98	100.00%	$503.98	$503.98	$0.00
2. On-going Support (6 months)	$ 4,736.16	100.00%	$4,736.16	$4,736.16	$0.00
3. Project Wise End User Training (x4 brown bag training sessions via Web to teach ANY End user how to manage documents in a Project Wise document controlled environment)	$ 3,242.48	100.00%	$3,242.48	$3,242.48	$0.00
4. Develop HCRMA Project Wise and GIS data management business process documentation	$ 5,246.28	100.00%	$5,246.28	$5,246.28	$0.00

MONTHLY PROGRESS PAYMENT INVOICE - DANNENBAUM ENGINEERING CORPORATION
FOR CONSULTING ENGINEER'S SERVICES

Work Order No. 6:
Supplemental Agreement No. 4 to WO 6 - Engineering Management/Partial Operations Implementation/Public Outreach
Replaced by Supplemental Agreement No. 6 to WO 6 - Engineering Management/Partial Operations Implementation/Public Outreach

Invoice Number: 465201/27/XV
Invoice Period: 01/01/2014 - 01/31/2014

DESCRIPTION OF WORK TASK	COST PER TASK	PERCENT COMPLETE TO DATE	AMOUNT EARNED TO DATE	PREVIOUSLY BILLED	CURRENT BILLING
P. Negotiate Oversee Toll Integrator (Consultants) from July 1, 2013 to December 31, 2013					
1. Finalize Previous Selection / Negotiate / Prepare Contract and WA No. 1 to Develop Overall Toll Strategy for Loop with HDR Assistance	$ 2,653.83	100.00%	$2,653.83	$2,653.83	$0.00
2. Negotiate / Prepare WA No. 2 to Prepare Preliminary Engineering for SH 365 Toll Integrator with HDR Assistance (Next WA)	$ -	0.00%	$0.00	$0.00	$0.00
3. Oversee / Manage WA No. 1 - Toll Integrator (Consultants) (Overall Toll Strategy for Loop) (3 Months)	$ -	0.00%	$0.00	$0.00	$0.00
4. Oversee / Manage WA No. 2 - Toll Integrator (Consultants) (Preliminary Engineering for SH 365 (Next WA)	$ -	0.00%	$0.00	$0.00	$0.00
Q. Develop / Procure / Negotiate Services for various Consultants to be used on SH 365 and IBTC					
1. Assist E.D. to Develop RFP, Procurement Services and Negotiate Contracts for appraisal consultants for both SH 365 and IBTC (Develop Post-Assume three (3) Appraisals)	$ 5,933.78	100.00%	$5,933.78	$5,933.78	$0.00
2. Assist E.D. to Develop RFP, Procurement Services and Negotiate Contracts for title company consultants for both SH 365 and IBTC (Develop Post-Assume three (3) consultants)	$ 5,933.78	100.00%	$5,933.78	$5,933.78	$0.00
3. Assist E.D. to Develop RFP, Procurement Services and Negotiate Contracts for Right-of-Way Agents for both SH 365 and IBTC (Develop Post-Assume three (3) Agents)	$ 5,933.78	100.00%	$5,933.78	$5,933.78	$0.00
R. Value Engineering - IBTC					
Pre- and Post-Workshop					
1. Project Management	$ 3,714.78	100.00%	$3,714.78	$2,786.09	$928.69
2. Pre-Workshop Planning, information review, draft functional analysis	$ 6,481.36	100.00%	$6,481.36	$6,481.36	$0.00
3. Prepare Draft VE report, circulate for comment, finalize VE report	$ 18,642.52	100.00%	$18,642.52	$13,981.89	$4,660.63
Value Engineering Working (Mon-Fri) (IBTC)					
1. Travel time allowance (IBTC)	$ 16,378.40	100.00%	$16,378.40	$16,378.40	$0.00
2. VE Workshop (IBTC)	$ 86,113.44	100.00%	$86,113.44	$86,113.44	$0.00
R. Additional Tasks Required from September 1, 2013 to December 31, 2013					
1. Additional field effort based on TxDOT Pharr District Comment to Draft EA	$ 12,930.43	100.00%	$12,930.43	$12,930.43	$0.00
2. ETT Sharyland Utility / AEP Transmission Project	$ 55,061.80	100.00%	$55,061.80	$55,061.80	$0.00
3. VRF Bond sale documentation	$ 16,650.45	100.00%	$16,650.45	$16,650.45	$0.00
DIRECT EXPENSES					
Lodging / Hotel ($100.00 / DAY)	$ 3,370.00	100.00%	$3,370.00	$3,370.00	$0.00
Meals ($30.00 / DAY)	$ 1,320.00	100.00%	$1,320.00	$1,320.00	$0.00
Rental Car	$ 1,860.00	100.00%	$1,860.00	$1,860.00	$0.00
Air Travel	$ 10,400.00	100.00%	$10,400.00	$10,400.00	$0.00
Parking	$ 426.00	100.00%	$426.00	$426.00	$0.00
Mileage	$ 215.00	100.00%	$215.00	$215.00	$0.00
Overnight Mail - letter size	$ 2,250.00	100.00%	$2,250.00	$2,250.00	$0.00
Courier Services	$ 2,600.00	100.00%	$2,600.00	$2,600.00	$0.00
Photocopies B/W (8.5 X 11)	$ 2,120.00	100.00%	$2,120.00	$2,120.00	$0.00
Photocopies B/W (11 X 17)	$ 1,088.30	100.00%	$1,088.30	$1,088.30	$0.00
Photocopies Color (8.5 X 11)	$ 590.00	100.00%	$590.00	$590.00	$0.00
Photocopies Color (11 X 17)	$ 2,000.00	100.00%	$2,000.00	$2,000.00	$0.00
Color Graphics on Foam Board	$ 1,860.00	100.00%	$1,860.00	$1,860.00	$0.00
Newspaper Advertisement	$ -	0.00%	$0.00	$0.00	$0.00

MONTHLY PROGRESS PAYMENT INVOICE - DANNENBAUM ENGINEERING CORPORATION
FOR CONSULTING ENGINEER'S SERVICES

Work Order No. 6:
Supplemental Agreement No. 4 to WO 6 - Engineering Management/Partial Operations Implementation/Public Outreach
Replaced by Supplemental Agreement No. 6 to WO 6 - Engineering Management/Partial Operations Implementation/Public Outreach

Invoice Number: 465201/27/XV
Invoice Period: 01/01/2014 - 01/31/2014

DESCRIPTION OF WORK TASK	COST PER TASK	PERCENT COMPLETE TO DATE	AMOUNT EARNED TO DATE	PREVIOUSLY BILLED	CURRENT BILLING
DIRECT EXPENSES (Continued)					
Court Reporter (Public Hearings & Transcription)	$ -	0.00%	$0.00	$0.00	$0.00
Translator (English to Spanish or Sign Language)	$ -	0.00%	$0.00	$0.00	$0.00
Public Involvement Facility Rental	$ -	0.00%	$0.00	$0.00	$0.00
Public Outreach Liaison (6 Months - July - December, 2013)	$ 90,000.00	100.00%	$90,000.00	$90,000.00	$0.00
Accounting Support Services	$ 10,000.00	100.00%	$10,000.00	$10,000.00	$0.00
IT / Support Services (includes time on Project Wise Implementation / Data Organization @ 60 hrs)	$ 12,800.00	100.00%	$12,800.00	$12,800.00	$0.00
Bing Maps Annual Subscription Fee	$ 5,000.00	100.00%	$5,000.00	$5,000.00	$0.00
Management Support Services	$ 48,000.00	100.00%	$48,000.00	$48,000.00	$0.00
Community Action Support	$ 54,000.00	100.00%	$54,000.00	$54,000.00	$0.00
Totals	$ 1,437,465.41		$ 1,437,465.41	$ 1,431,876.09	$ 5,589.32

Amount Due This Invoice $ 5,589.32 ✓

MONTHLY PROGRESS PAYMENT INVOICE - DANNENBAUM ENGINEERING CORPORATION
FOR CONSULTING ENGINEER'S SERVICES

Work Order No. 6:
Supplemental Agreement No. 5 to WO 6 - SUE Services - SH 365

Invoice Number: 465201/27/XV
Invoice Period: 01/01/2014 - 01/31/2014

DESCRIPTION OF WORK TASK	COST PER TASK	PERCENT COMPLETE TO DATE	AMOUNT EARNED TO DATE	PREVIOUSLY BILLED	CURRENT BILLING
Oversight of Utility Exposures and Potholing for SH 365 from FM 1016/Conway Ave. to US 281/Military Highway (not including from 0.45 miles East of Spur 600 to FM 2557/Stewart Rd. along US 281/Military Highway)					
1. Coordination with SUE Provider, Utility Companies and Surveyors	$ 1,678.91	25.00%	$419.73	$167.89	$251.84
2. Review of Utility Exposure and Potholing Data	$ 7,925.92	25.00%	$1,981.48	$0.00	$1,981.48
Compensable Utility Exposures					
Utility Locating Services	$ 56,950.00	25.00%	$14,237.50	$0.00	$14,237.50
Mobilization/Demobilization	$ 2,700.00	25.00%	$675.00	$0.00	$675.00
Reimbursables (Traffic Control & Per Diem)	$ 3,740.00	25.00%	$935.00	$0.00	$935.00
Non-Compensable Utility Exposures (Permitted)					
Utility Locating Services	$ 38,700.00	25.00%	$9,675.00	$0.00	$9,675.00
Mobilization/Demobilization	$ 2,700.00	25.00%	$675.00	$0.00	$675.00
Reimbursables (Traffic Control & Per Diem)	$ 2,660.00	25.00%	$665.00	$0.00	$665.00
Totals	$ 117,054.83		$ 29,263.71	$ 167.89	$ 29,095.82

Amount Due This Invoice $ 29,095.82 ✓

MONTHLY PROGRESS PAYMENT INVOICE - DANNENBAUM ENGINEERING CORPORATION
FOR CONSULTING ENGINEER'S SERVICES

February 11, 2014

Dennis Burleson, Chairman
Hidalgo County Regional Mobility Authority
510 South Pleasantview Drive
Weslaco, Texas 78596

Work Order No. 8:
Systemwide Management & Project Management Tasks

Invoice Number: **465201/27/XV**
Invoice Period: **01/01/2014 - 01/31/2014**

TASK CODE	DESCRIPTION OF WORK TASK	TOTAL COST	PERCENT COMPLETE TO DATE	AMOUNT EARNED TO DATE	PREVIOUSLY BILLED	CURRENT BILLING
	SYSTEMWIDE MANAGEMENT					
4	Coordination with TxDOT Staff (All Projects)	$41,621.72	50.00%	$20,810.86	$0.00	$20,810.86
9	Overweight / Oversize (OW/OS) Corridor Implementation	$19,753.10	50.00%	$9,876.55	$0.00	$9,876.55
	PROJECT MANAGEMENT					
	Project Management SH 365 (Segment 1: from US 281 to McColl Rd; Segment 2: from McColl Rd to FM 396; Segment 3: Along US 281 to BSIF; and Segment 4: FM 396 to FM 1016)					
A	Manage Federal Environmental Document efforts leading to FONSI (1 consultant @ 6 months)(Segments 1 through 4)(Assisted by Blanton and Associates)	$127,955.00	37.59%	$48,101.18	$0.00	$48,101.18
B	Manage ROW Strip Map and parcel plats (Segment 1: 0031 QHA @ 6 months)	$49,193.10	0.00%	$24,596.55	$0.00	$24,596.55
C	Manage ROW Strip Map and parcel plats (Segments 2 & 4: 0032 & 0034 DLS @ 6 months)	$47,298.66	50.00%	$23,649.33	$0.00	$23,649.33
D	Manage ROW Strip Map and parcel plats (Segment 3: 0033 TEDSI @ 3 months)	$23,541.42	50.00%	$11,770.71	$0.00	$11,770.71
E	Coordinate submittal and processing of final schematic (All Segments)	$51,626.00	50.00%	$25,813.00	$0.00	$25,813.00
F	Manage PS&E (Segment 1: 0031 S&B @ 6 months)	$32,691.64	23.76%	$7,766.09	$0.00	$7,766.09
G	Manage PS&E (Segments 2 & 4: 0032 & 0034 L&G @ 6 months)	$32,691.64	23.76%	$7,766.09	$0.00	$7,766.09
H	Manage PS&E (Segment 3: 0033 TEDSI @ 6 months)	$40,732.72	16.19%	$6,593.33	$0.00	$6,593.33
K	Coordinate ROW Acquisition (Segments 1, 2, and 3)	$61,297.97	0.00%	$24,087.04	$0.00	$24,087.04
L	Coordinate Utility Relocations (Segments 1, 2, 3, and 4)	$43,793.62	0.00%	$18,341.60	$0.00	$18,341.60
ODC	Direct Expenses	$2,385.00	50.00%	$1,192.50	$0.00	$1,192.50
	TOTALS	**$574,581.59**	**40.09%**	**$230,364.83**	**$0.00**	**$230,364.83**

TOTAL DUE WORK ORDER NO. 8: **$230,364.83**

MONTHLY PROGRESS PAYMENT INVOICE - DANNENBAUM ENGINEERING CORPORATION
FOR CONSULTING ENGINEER'S SERVICES

Work Order No. 8:
Systemwide Management & Project Management Tasks

Invoice Number: 465201/27/XV
Invoice Period: 01/01/2014 - 01/31/2014

DESCRIPTION OF WORK TASK	COST PER TASK	PERCENT COMPLETE TO DATE	AMOUNT EARNED TO DATE	PREVIOUSLY BILLED	CURRENT BILLING
SYSTEMWIDE MANAGEMENT					
4. Coordination with TxDOT Staff (All Projects)					
A. Provide updated schedules and cost estimates (Monthly)	$ 9,914.74	50.00%	$4,957.37	$0.00	$4,957.37
B. Provide other information regarding project progress or strategic plan development	$ 8,027.20	50.00%	$4,013.60	$0.00	$4,013.60
C. Coordinate funding and reimbursement agreements (e.g. AFA for SH 365)	$ 6,016.50	50.00%	$3,008.25	$0.00	$3,008.25
D. Develop DBE Report and submit for approval to TxDOT (quarterly)	$ 5,482.18	50.00%	$2,741.09	$0.00	$2,741.09
E. Coordinate / obtain approval of state designation for IBTC	$ 5,146.78	50.00%	$2,573.39	$0.00	$2,573.39
F. Coordinate / funding and reimbursement agreement (e.g. AFA for IBTC)	$ 7,034.32	50.00%	$3,517.16	$0.00	$3,517.16
9. Overweight / Oversize (OW/OS) Corridor Implementation					
A. Assist in online permitting implementation	$ 1,977.16	50.00%	$988.58	$0.00	$988.58
B. Attend meetings with OW/OS Corridor Stakeholders					
1. City of Pharr International Bridge Staff (3 Mtgs. @ 2 hrs. / mtg.)	$ 2,510.34	50.00%	$1,255.17	$0.00	$1,255.17
2. DPS Regional Office (2 Mtgs. @ 2 hrs. / mtg.)	$ 2,037.88	50.00%	$1,018.94	$0.00	$1,018.94
3. TxDOT Pharr District (2 Mtgs. @ 2 hrs. / Mtg.)	$ 2,037.88	50.00%	$1,018.94	$0.00	$1,018.94
4. City of McAllen Internation Bridge Staff (2 Mtgs. @ 2 hrs. / Mtg.)	$ 2,037.88	50.00%	$1,018.94	$0.00	$1,018.94
5. Industry Associations in Mexico (2 Mtgs. @ 2 hrs. / Mtg.)	$ 2,037.88	50.00%	$1,018.94	$0.00	$1,018.94
6. Industry Associations in the U.S. (2 Mtgs. @ 2 hrs. / Mtg.)	$ 2,037.88	50.00%	$1,018.94	$0.00	$1,018.94
C. Manage communications between certified scales and permitting office	$ 5,076.20	50.00%	$2,538.10	$0.00	$2,538.10
PROJECT MANAGEMENT					
1. Project Management SH 365 (Segment 1: from US 281 to McColl Rd; Segment 2: from McColl Rd to FM 396; Segment 3: Along US 281 to BSIF; and Segment 4: FM 396 to FM 1016)					
A. Manage Federal Environmental Document efforts leading to FONSI (1 consultant @ 6 months)(Segments 1 through 4)(Assisted by Blanton and Associates)					
1. Review draft documents	$ 35,998.32	50.00%	$17,999.16	$0.00	$17,999.16
2. Respond to RFI's to complete environmental documents	$ 36,484.08	50.00%	$18,242.04	$0.00	$18,242.04
3. Coordination with TxDOT Pharr District and Austin ENV	$ 23,719.96	50.00%	$11,859.98	$0.00	$11,859.98
4. Conduct and organize a public hearing (prior to issuance of FONSI) including preparation of exhibits	$ 31,752.64	0.00%	$0.00	$0.00	$0.00
B. Manage ROW Strip Map and parcel plats (Segment 1: 0031 QHA @ 6 months)					
1. Final Review of Strip Map (Assisted by Aranda and Associates)	$ 16,397.70	50.00%	$8,198.85	$0.00	$8,198.85
2. Manage Preparation of Parcel Maps (Assisted by Aranda and Associates)	$ 16,397.70	50.00%	$8,198.85	$0.00	$8,198.85
3. Final Review of Individual Parcel Maps (Assisted by Aranda and Associates)	$ 16,397.70	50.00%	$8,198.85	$0.00	$8,198.85
C. Manage ROW Strip Map and parcel plats (Segments 2 & 4: 0032 & 0034 DLS @ 6 months)					
1. Final Review of Strip Map (Assisted by Aranda and Associates)	$ 15,766.22	50.00%	$7,883.11	$0.00	$7,883.11
2. Manage Preparation of Parcel Maps (Assisted by Aranda and Associates)	$ 15,766.22	50.00%	$7,883.11	$0.00	$7,883.11
3. Final Review of Individual Parcel Maps (Assisted by Aranda and Associates)	$ 15,766.22	50.00%	$7,883.11	$0.00	$7,883.11
D. Manage ROW Strip Map and parcel plats (Segment 3: 0033 TEDSI @ 3 months)					
1. Final Review of Strip Map (Assisted by Aranda and Associates)	$ 7,847.14	50.00%	$3,923.57	$0.00	$3,923.57
2. Manage Preparation of Parcel Maps (Assisted by Aranda and Associates)	$ 7,847.14	50.00%	$3,923.57	$0.00	$3,923.57
3. Final Review of Individual Parcel Maps (Assisted by Aranda and Associates)	$ 7,847.14	50.00%	$3,923.57	$0.00	$3,923.57

MONTHLY PROGRESS PAYMENT INVOICE - DANNENBAUM ENGINEERING CORPORATION
FOR CONSULTING ENGINEER'S SERVICES

Work Order No. 8:
Systemwide Management & Project Management Tasks

Invoice Number: 465201/27/XV
Invoice Period: 01/01/2014 - 01/31/2014

DESCRIPTION OF WORK TASK	COST PER TASK	PERCENT COMPLETE TO DATE	AMOUNT EARNED TO DATE	PREVIOUSLY BILLED	CURRENT BILLING
E. Coordinate submittal and processing of final schematic (All Segments)					
1. To TxDOT - Austin for approval	$ 25,813.00	50.00%	$12,906.50	$0.00	$12,906.50
2. to FHWA for approval	$ 25,813.00	50.00%	$12,906.50	$0.00	$12,906.50
F. Manage PS&E (Segment 1: 0031 S&B @ 6 months)					
1. Coordination meetings with project managers (monthly) (6 mtgs. @ 2 hrs. / mtg.)	$ 9,812.36	50.00%	$4,906.18	$0.00	$4,906.18
2. 30% PS&E Plan Review	$ 11,439.64	25.00%	$2,859.91	$0.00	$2,859.91
3. 60% PS&E Plan Review	$ 11,439.64	0.00%	$0.00	$0.00	$0.00
G. Manage PS&E (Segments 2 & 4: 0032 & 0034 L&G @ 6 months)					
1. Coordination meetings with project managers (monthly) (6 mtgs. @ 2 hrs. / mtg.)	$ 9,812.36	50.00%	$4,906.18	$0.00	$4,906.18
2. 30% PS&E Plan Review	$ 11,439.64	25.00%	$2,859.91	$0.00	$2,859.91
3. 60% PS&E Plan Review	$ 11,439.64	0.00%	$0.00	$0.00	$0.00
H. Manage PS&E (Segment 3: 0033 TEDSI @ 6 months)					
1. Coordination meetings with project managers (monthly) (6 mtgs. @ 2 hrs. / mtg.)	$ 9,004.86	50.00%	$4,502.43	$0.00	$4,502.43
2. 30% PS&E Plan Review	$ 8,363.59	25.00%	$2,090.90	$0.00	$2,090.90
3. 60% PS&E Plan Review (2 mtgs. @ 2 hrs. / mtg.)	$ 11,810.69	0.00%	$0.00	$0.00	$0.00
4. 90% PS&E Plan Review (1 mtg. @ 4 hrs. / mtg.) including preparation	$ 6,519.64	0.00%	$0.00	$0.00	$0.00
5. 100% PS&E Plan Review	$ 5,033.94	0.00%	$0.00	$0.00	$0.00
K. Coordinate ROW Acquisition (Segments 1, 2, and 3)					
1. Coordinate data input into web-based interface server	$ 13,123.90	0.00%	$0.00	$0.00	$0.00
2. Coordinate with HCRMA Legal Team Title Reports, Appraisals on ROW acquisition	$ 17,603.19	50.00%	$8,801.60	$0.00	$8,801.60
3. Coordinate with ROW - Agent Title Reports, Appraisals on ROW acquisition	$ 7,545.16	50.00%	$3,772.58	$0.00	$3,772.58
4. Document / Track ROW acquisition of Individual Parcels	$ 10,774.08	50.00%	$5,387.04	$0.00	$5,387.04
5. Monthly Coordination Meetings with HCRMA Legal Team on SH 365 ROW Acquisition (6 mtgs. @ 2 hrs. / mtg.) including preparation	$ 12,251.64	50.00%	$6,125.82	$0.00	$6,125.82
L. Coordinate Utility Relocations (Segments 1, 2, 3, and 4)					
1. Manage Subsurface utility exposures SUE (RODS SUE as subconsultant to PMC @ 2 months)	$ 6,064.00	50.00%	$3,032.00	$0.00	$3,032.00
2. Utility coordination meetings to develop utility relocation plans (monthly) (4 mtgs./month @ 2 hrs. / mtg.)	$ 14,008.20	50.00%	$7,004.10	$0.00	$7,004.10
3. Follow up coordination with utilities to develop utility agreements (assume 56 compensable and 37 non-compensable potential relocations, actual number of utility owners is smaller but may require separate agreements to move each portion of their system) including Agreement Preparation	$ 16,611.00	50.00%	$8,305.50	$0.00	$8,305.50
4. Negotiate / prepare proposed supplemental with S&B Infrastructure on PS&E additions for utility relocation plans (Segment 1: 0031 S&B)	$ 2,370.14	0.00%	$0.00	$0.00	$0.00
5. Negotiate / prepare proposed supplemental with L&G on PS&E additions for utility relocation plans (Segments 2 & 4: 0032 & 0034 L&G)	$ 2,370.14	0.00%	$0.00	$0.00	$0.00
6. Negotiate / prepare proposed supplemental with TEDSI on PS&E additions for utility relocation plans (Segment 3: 0033 TEDSI)	$ 2,370.14	0.00%	$0.00	$0.00	$0.00

MONTHLY PROGRESS PAYMENT INVOICE - DANNENBAUM ENGINEERING CORPORATION
FOR CONSULTING ENGINEER'S SERVICES

Work Order No. 8:
Systemwide Management & Project Management Tasks

Invoice Number: 465201/27/XV
Invoice Period: 01/01/2014 - 01/31/2014

DESCRIPTION OF WORK TASK	COST PER TASK	PERCENT COMPLETE TO DATE	AMOUNT EARNED TO DATE	PREVIOUSLY BILLED	CURRENT BILLING
Direct Expenses					
Lodging / Hotel ($85 / day)	$ 170.00	50.00%	$85.00	$0.00	$85.00
Meals (#30 / day)	$ 60.00	50.00%	$30.00	$0.00	$30.00
Mileage	$ 102.00	50.00%	$51.00	$0.00	$51.00
Air Travel	$ 1,000.00	50.00%	$500.00	$0.00	$500.00
Parking	$ 28.00	50.00%	$14.00	$0.00	$14.00
Courier Services	$ 200.00	50.00%	$100.00	$0.00	$100.00
Photocopies B/W (8.5 x 11)	$ 50.00	50.00%	$25.00	$0.00	$25.00
Photocopies B/W (11 x 17)	$ 25.00	50.00%	$12.50	$0.00	$12.50
Photocopies Color (11 x 17)	$ 625.00	50.00%	$312.50	$0.00	$312.50
Plots (B/W on Bond)	$ 125.00	50.00%	$62.50	$0.00	$62.50
Totals	$ 574,581.59		$ 230,364.83	$ -	$ 230,364.83

Amount Due This Invoice $ 230,364.83

ATTACHMENT H-3

Subprovider Monitoring System for Federally Funded Contracts
Progress Assessment Report for month of (Mo./Yr.) January / 2014

Contract #: HCRMA Program Mgmt Consultant Project
Date of Execution: October 27, 2011
Prime Provider: Dannenbaum Engineering Corporation
Work Authorization No. 1

Original Contract Amount: $ 5,000,000.00
Approved Supplemental Agreements: $ 827,389.25
Total Contract Amount: $ 5,827,389.25
Work Authorization Amount: $ 909,960.63

If no subproviders are used on this contract, please indicate by placing "N/A" on the 1st line under Subproviders.

DBE	All Subproviders	Category of Work	Total Subprovider Amount	% Total Contract Amount	Amount Paid This Period	Amount Paid To Date	Subcontract Balance Remaining
	HDR Engineering, Inc.	Program Mgmt	$ 57,705.85	6.34%	$ 0.00	$ 57,705.85	$ 0.00
*	Blanton & Associates, Inc.	Program Mgmt	$ 20,928.44	2.30%	$ 0.00	$ 20,928.44	$ 0.00
*	Guzman Munoz Engineering and Surveying, Inc.	Program Mgmt	$ 20,848.54	2.29%	$ 0.00	$ 20,848.54	$ 0.00
*	Barrera Torres Infrastructure, PLLC	Program Mgmt	$ 0.00	0%	$ 0.00	$ 0.00	$ 0.00
*	Aranda & Associates, Inc.	Program Mgmt	$ 44,620.72	4.90%	$ 0.00	$ 44,620.72	$ 0.00

Fill out Progress Assessment Report with each estimate/invoice submitted, *for all subcontracts*, and forward as follows:
1 Copy with Invoice – Hidalgo County Regional Mobility Authority Office

I hereby certify that the above is a true and correct statement of the amounts paid to the firms listed above.

Louis H. Jones, Jr., P.E.
Print Name - Company Official /DBE Liaison Officer

Signature

713-520-9570
Phone

February 3, 2014
Date

shari.bricarell@dannenbaum.com
Email

713-527-6442
Fax

ATTACHMENT H-3

Subprovider Monitoring System for Federally Funded Contracts
Progress Assessment Report for month of (Mo./Yr.) January / 2014

Contract #: HCRMA Program Mgmt Consultant Project
Date of Execution: _____
Prime Provider: Dannenbaum Engineering Corporation
Work Authorization No. 3

Original Contract Amount: $ 5,000,000.00
Approved Supplemental Agreements: $ 827,389.25
Total Contract Amount: $ 5,827,389.25
Work Authorization Amount: $ 57,750.00

If no subproviders are used on this contract, please indicate by placing "N/A" on the 1st line under Subproviders.

DBE	All Subproviders	Category of Work	Total Subprovider Amount	% Total Contract Amount	Amount Paid This Period	Amount Paid To Date	Subcontract Balance Remaining
*	Aranda & Associates, Inc.	Program Mgmt	$ 57,750.00	100.00%	$ 0.00	$ 43,457.40	$ 14,292.60

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ATTACHMENT H-3

Subprovider Monitoring System for Federally Funded Contracts
Progress Assessment Report for month of (Mo./Yr.) January / 2014

Contract #: HCRMA Program Mgmt Consultant Project
Date of Execution: _____
Prime Provider: Dannenbaum Engineering Corporation
Work Authorization No. 4

Original Contract Amount: $ 5,000,000.00
Approved Supplemental Agreements: $ 827,389.25
Total Contract Amount: $ 5,827,389.25
Work Authorization Amount: $ 694,355.85

If no subproviders are used on this contract, please indicate by placing "N/A" on the 1st line under Subproviders.

DBE	All Subproviders	Category of Work	Total Subprovider Amount	% Total Contract Amount	Amount Paid This Period	Amount Paid To Date	Subcontract Balance Remaining
	HDR Engineering, Inc.	Program Mgmt	$ 14,300.17	2.06%	$ 0.00	$ 14,300.17	$ 0.00
*	Blanton & Associates, Inc.	Program Mgmt	$ 12,024.80	1.73%	$ 0.00	$ 12,024.80	$ 0.00
*	Aranda & Associates, Inc.	Program Mgmt	$ 31,765.36	4.57%	$ 0.00	$ 31,765.36	$ 0.00
*	Barrera Torres Infrastructure, PLLC	Program Mgmt	$ 40,256.28	5.80%	$ 0.00	$ 40,256.28	$ 0.00
*	Unintech Consulting Engineers	Program Mgmt	$ 0.00	0.00%	$ 0.00	$ 0.00	$ 0.00

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ATTACHMENT H-3

Subprovider Monitoring System for Federally Funded Contracts
Progress Assessment Report for month of (Mo./Yr.) January / 2014

Contract #: HCRMA Program Mgmt Consultant Project
Date of Execution: _____
Prime Provider: Dannenbaum Engineering Corporation
Work Authorization No. 5

Original Contract Amount: $ 5,000,000.00
Approved Supplemental Agreements: $ 827,389.25
Total Contract Amount: $ 5,827,389.25
Work Authorization Amount: $ 769,236.96

If no subproviders are used on this contract, please indicate by placing "N/A" on the 1st line under Subproviders.

DBE	All Subproviders	Category of Work	Total Subprovider Amount	% Total Contract Amount	Amount Paid This Period	Amount Paid To Date	Subcontract Balance Remaining
	HDR Engineering, Inc.	Program Mgmt	$ 3,694.92	0.48%	$ 0.00	$ 3,694.92	$ 0.00
*	Blanton & Associates, Inc.	Program Mgmt	$ 8,045.26	1.05%	$ 0.00	$ 8,045.26	$ 0.00
*	Aranda & Associates, Inc.	Program Mgmt	$ 35,109.64	4.56%	$ 0.00	$ 35,109.64	$ 0.00

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ATTACHMENT H-3

Subprovider Monitoring System for Federally Funded Contracts
Progress Assessment Report for month of (Mo./Yr.) January / 2014

Contract #: HCRMA Program Mgmt Consultant Project
Date of Execution: _____
Prime Provider: Dannenbaum Engineering Corporation
Work Authorization No. 6

Original Contract Amount: $ 5,000,000.00
Approved Supplemental Agreements: $ 827,389.25
Total Contract Amount: $ 5,827,389.25
Work Authorization Amount: $ 2,821,504.22

If no subproviders are used on this contract, please indicate by placing "N/A" on the 1st line under Subproviders.

DBE	All Subproviders	Category of Work	Total Subprovider Amount	% Total Contract Amount	Amount Paid This Period	Amount Paid To Date	Subcontract Balance Remaining
*	Blanton & Associates, Inc.	Program Mgmt	$ 130,531.88	4.63%	$ 5,712.96	$ 44,454.74	$ 86,077.14
*	Aranda & Associates, Inc.	Program Mgmt	$ 397,469.80	14.09%	$ 40,941.99	$ 400,510.64	$ (3,040.84)
*	Barrera Torres Infrastructure, PLLC	Program Mgmt	$ 22,933.66	0.81%	$ 0.00	$ 0.00	$ 22,933.66
*	C&M Associates, Inc.	Program Mgmt	$ 70,000.00	2.48%	$ 0.00	$ 70,000.00	$ 0.00
*	Aerial Data Service	Program Mgmt	$ 63,885.56	2.26%	$ 0.00	$ 63,885.56	$ 0.00
	HDR Engineering, Inc.	Program Mgmt	$ 218,116.66	7.73%	$ 6,790.39	$ 114,972.23	$ 103,144.43
	RODS Subsurface Utility Engineering Inc.	SUE Services	$ 107,450.00	3.81%	$ 0.00	$ 0.00	$ 107,450.00

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ATTACHMENT H-3

Subprovider Monitoring System for Federally Funded Contracts
Progress Assessment Report for month of (Mo./Yr.) January / 2014

Contract #: HCRMA Program Mgmt Consultant Project
Date of Execution: _____
Prime Provider: Dannenbaum Engineering Corporation
Work Authorization No. 8

Original Contract Amount: $ 5,000,000.00
Approved Supplemental Agreements: $ 827,389.25
Total Contract Amount: $ 5,827,389.25
Work Authorization Amount: $ 574,581.59

If no subproviders are used on this contract, please indicate by placing "N/A" on the 1st line under Subproviders.

DBE	All Subproviders	Category of Work	Total Subprovider Amount	% Total Contract Amount	Amount Paid This Period	Amount Paid To Date	Subcontract Balance Remaining
*	Blanton & Associates, Inc.	Program Mgmt	$ 76,467.88	13.31%	$ 0.00	$ 0.00	$ 76,467.88
*	Aranda & Associates, Inc.	Program Mgmt	$ 107,941.95	18.79%	$ 0.00	$ 0.00	$ 107,941.95

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Item 2C

HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY

AGENDA RECOMMENDATION FORM

BOARD OF DIRECTORS	**X**	**AGENDA ITEM**	**2C**
PLANNING COMMITTEE		**DATE SUBMITTED**	**2/12/14**
FINANCE COMMITTEE		**MEETING DATE**	**2/24/14**
TECHNICAL COMMITTEE			

1. Agenda Item: **APPROVAL OF THE FINANCIAL REPORT FOR THE MONTH OF JANUARY 2014.**

2. Nature of Request: (Brief Overview) Attachments: X Yes ___No

   Consideration and approval of financial report for the month of January 2014.

3. Policy Implication: Board Policy, Local Government Code, Texas Government Code, Texas Transportation Code, TxDOT Policy

4. Budgeted: ___Yes ___No X N/A

   Funding Source:

5. Staff Recommendation**: Motion to approve the Financial Report for the Month of January 2014 as presented.**

6. Program Manager's Recommendation: ___Approved ___Disapproved **X** None

7. Planning Committee's Recommendation: ___Approved ___Disapproved **X** None

8. Board Attorney's Recommendation: ___Approved ___Disapproved **X** None

9. Chief Financial Officer's Recommendation: **X** Approved ___Disapproved ___None

10. Executive Director's Recommendation: **X** Approved ___Disapproved ___None

THIS ITEM WILL BE

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SEPERATE COVER

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Item 3A

HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY

AGENDA RECOMMENDATION FORM

BOARD OF DIRECTORS	**X**	**AGENDA ITEM**	**3A**
PLANNING COMMITTEE		**DATE SUBMITTED**	**2/11/14**
FINANCE COMMITTEE		**MEETING DATE**	**2/24/14**
TECHNICAL COMMITTEE			

1. Agenda Item: **RESOLUTION 2014 -08 – APPROVAL OF STRATEGIC PLAN UPDATE DUE TO VALUE ENGINEERING RECOMMENDATIONS FOR THE INTERNATIONAL BRIDGE TRADE CORRIDOR PROJECT.**

2. Nature of Request: (Brief Overview) Attachments: X Yes ___No

   Approval of Strategic Plan Update due to value engineering recommendations for the International Bridge Trade Corridor Project.

3. Policy Implication: Board Policy, Local Government, Texas Government Code, Texas Transportation Code, TxDOT Policy

4. Budgeted: X Yes ___No ___N/A Funding Source: VRF Bond

5. Staff Recommendation**: Motion to approve Resolution 2014 - 08 – Approval of Strategic Plan Update due to value engineering recommendations for the International Bridge Trade Corridor Project.**

6. Program Manager's Recommendation: **X** Approved ___Disapproved ___None

7. Planning Committee's Recommendation: ___Approved ___Disapproved **X** None

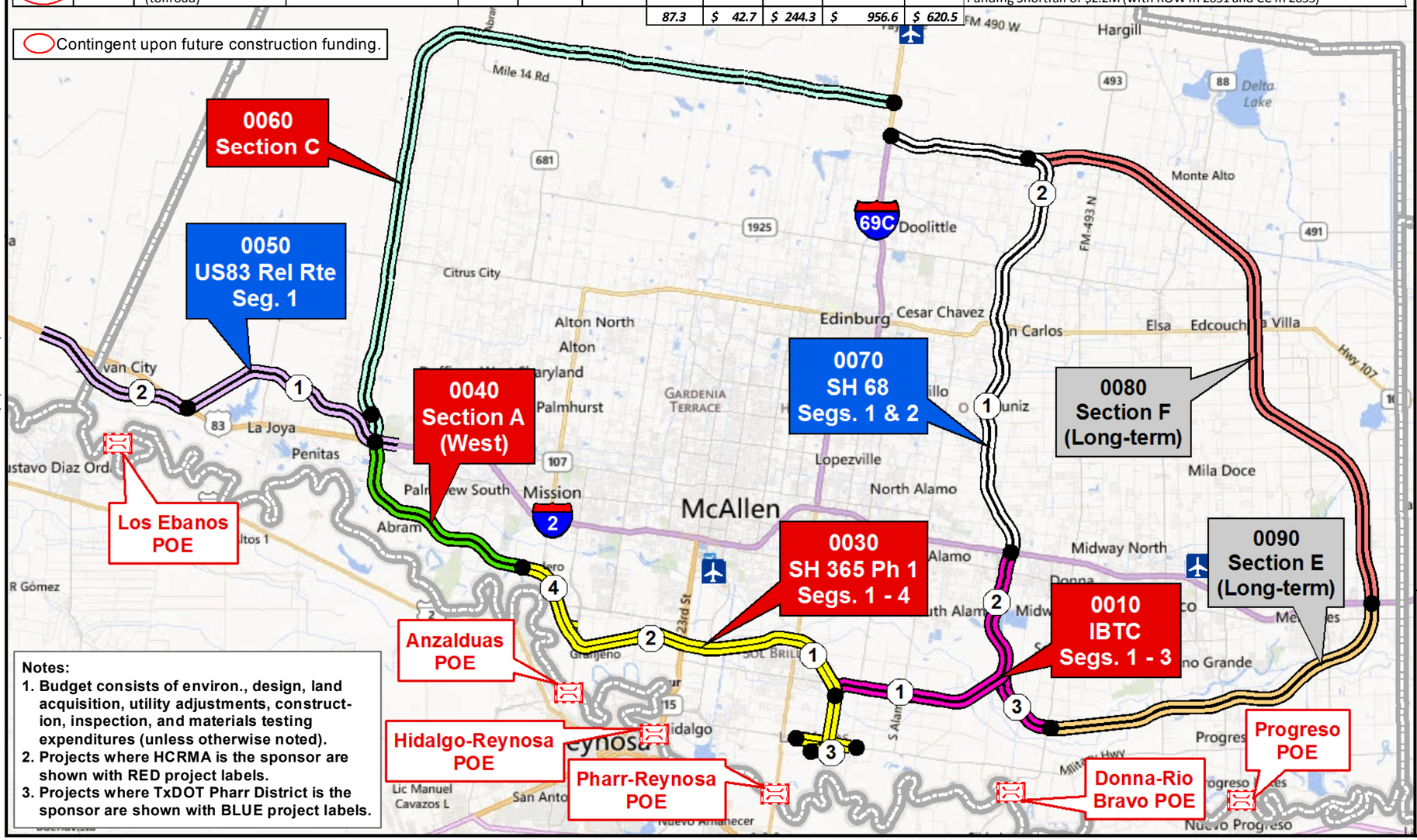
8. Board Attorney's Recommendation: ___Approved ___Disapproved **X** None

9. Chief Financial Officer's Recommendation: ___Approved ___Disapproved **X** None

10. Executive Director's Recommendation: **X** Approved ___Disapproved ___None

Project Letting	Project Sponsor	Project Name	Project Limits	Project Number	Env. Clearance	Constr. Ends	Length (Miles)	ENG ($M)	ROW ($M)	CC at Letting ($M)	Budget ($M)	Project Funding / Other Notes
09/2014	HCRMA	SH 365 Ph 1 (Seg. 3) (nontoll)	0.45mi E of Spur 600 to FM 2557 incld MilHwy OP	0033	10/2014	06/2016	1.84	$ 1.4	$ 3.0	$ 17.4	$ 22.7	Fed. $6.6; Local $16.2M (VRF); Fully Funded
04/2015	TxDOT	US83 Rel. Rte. Seg. 1 (nontoll frontage	0.85 Mi East of FM 886 to 0.28 Mi W. of Showers Rd	0050	06/2014	07/2018	8.30	TxDOT In-house	$ 18.0	$ 65.5	$ 83.5	State $60M; Fed. $23.5M; Fully Funded
09/2015	HCRMA	SH 365 Ph 1 (Segs. 1&2) (tollroad)	FM 396 to US 281	0030	10/2014	06/2018	13.31	$ 10.8	$ 51.6	$ 137.4	$ 209.4	Env. Clearance Segs. 1-4; State $112M; Local $97.4M (VRF/Toll Rev. Bonds); Fully Funded for Segs. 1-3
09/2015	HCRMA	SH 365 Ph 2 (Seg. 4) (tollroad)	FM 1016 to FM 396	0034	10/2014	06/2018	2.65	$ 2.1	$ 5.4	$ 30.7	$ 40.7	Funding Shortfall $40.7M for Seg. 4
09/2015	HCRMA	IBTC (Segs. 1-3) (tollroad)	FM 3072 to IH-2 (mainlanes), to FM 493 (connector rd)	0010	05/2015	06/2018	13.06	$ 12.5	$ 40.2	$ 108.3	$ 169.8	Env. Clearance Segs. 1-3; State Match $25M; Local Funds $42.8M (VRF/Toll Rev. bonds); Funding Shortfall $102M (incld. $3M for Seg. 3 connector rd, per VE Study); Can meet letting date if fully funded
04/2016	TxDOT	SH 68 (nontoll frontage roads)	Env: I-69C to IH-2; Constr: FM 1925 to IH-2	0070	12/2015	04/2019	10.00	$ 6.5	$ 23.5	$ 55.0	$ 85.0	Env. Clearance Segs. 1+2 or all 19.9Mi; 10 Mi of Frontage Roads Fully Funded
02/2025	HCRMA	Section C (tollroad)	IH-2 to IH-69C	0060	05/2019	06/2028	29.85	$ 7.2	$ 80.2	$ 407.3	$ 7.2	Eng. covers Advance Planning Only (Env./Schem./Topo); Local Funds; Funding Shortfall of $7.27M (with ROW in 2022 and CC in 2025)
09/2033	HCRMA	Section A (West) (tollroad)	FM 1016 to IH-2	0040	05/2019	12/2036	8.26	$ 2.2	$ 22.4	$ 135.0	$ 2.2	Eng. covers Advance Planning Only (Env./Schem./Topo); Local Funds; Funding Shortfall of $2.2M (with ROW in 2031 and CC in 2033)
							87.3	***$ 42.7***	***$ 244.3***	***$ 956.6***	***$ 620.5***	

Contingent upon future construction funding.



Notes:
1. Budget consists of environ., design, land acquisition, utility adjustments, construct-ion, inspection, and materials testing expenditures (unless otherwise noted).
2. Projects where HCRMA is the sponsor are shown with RED project labels.
3. Projects where TxDOT Pharr District is the sponsor are shown with BLUE project labels.

Path: G:\1540\4652\PM\GIS\EXHIBITS\2014-02-13 StratPln Map (HCRMA).mxd

HCRMA
HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY
DANNENBAUM - PROGRAM MANAGER
1109 NOLANA LOOP, STE 208 McALLEN, TX 78504 (956)682-3677

SHORT TERM STRATEGIC PLAN 2014-2022

ALIGNMENT
- 0010 IBTC
- 0030 SH365
- 0040 Section A West
- 0050 US 83 Rel Rte
- 0060 Section C
- 0070 SH 68 (Section D)
- 0080 Section F
- 0090 Section E

TRANSPORTATION
- Airport
- International Bridge

ENVIRONMENTAL
- HAZMAT
- Oil & Gas Well (Hrz-Top)
- Oil & Gas Well (Vrt-Top)
- Oil & Gas Pipeline
- Wetland

DRAINAGE
- HCDD1 Boundary
- HCDD1 Drainage Sys.

WATERWAY
- Elevation Contour (2 Ft)
- Waterway
- Floodway
- 100 Year Floodplain

IRRIGATION
- LRGV Diversion Pnt.
- LRGV Irrigation Canal
- LRGV Water Storage
- LRGV Irrigation Dist. (Ex. Colors)

BOUNDARY
- LRGV County
- Other County
- City (Ex. Colors)
- Parcel
- Park - Hidalgo Bus.
- Park - TX StratMap
- Cultural - TX StratMap
- TRZ
- LU/LC (Ex. Colors)
- School Dist. (Ex. Colors)

HIDALGO DISTRICT
- District 1
- District 2
- District 3
- District 4

BING-BASEMAP
- Bing Maps Hybrid
- Bing Maps Aerial
- Bing Maps Road

SUBJECT TO BOARD REVIEW & APPROVAL 02/26/2014

Disclaimer: This product is for informational purposes only and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. It does not represent an on-the-ground survey and represents only the approximate relative location of boundaries. No claims are made to the accuracy or completeness of the information shown herein nor to its suitability for a particular use. The scale and location of all mapped data are approximate.

Scale: 0 2.5 5 10 Miles

Author: E. Davila **Date Saved: 2/13/2014**

HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY

BOARD RESOLUTION No. 2014 – 08

APPROVAL OF SCENARIO 3 VALUE ENGINEERING STUDY RECOMMENDATIONS FOR THE INTERNATIONAL BRIDGE TRADE CORRIDOR PROJECT AND ADOPTION OF THE 2014-2019 STRATEGIC PLAN

THIS RESOLUTION is adopted this 22nd day of November, 2014 by the Board of Directors of the Hidalgo County Regional Mobility Authority at a regular meeting.

WHEREAS, the Hidalgo County Regional Mobility Authority (the "Authority"), acting through its Board of Directors (the "Board"), is a regional mobility authority created pursuant to Chapter 370, Texas Transportation Code, as amended (the "Act");

WHEREAS, the Authority is authorized by the Act to address mobility issues in and around Hidalgo County;

WHEREAS, Section 370.261 of the Act requires that the Authority, every even numbered year, develop a five year strategic plan; and

WHEREAS, on March 28, 2012, the Authority approved the 2012-2017 Strategic Plan - Project Manager Strategy No. 8, which included SH 365 with a four (4) lane roadway and no bridge structure over the Anzalduas Bridge from the limits of US 281/Military Highway to FM 396; and

WHEREAS, on October 18, 2012, the Authority amended the 2012-2017 Strategic Plan – Project Manager Strategy No. 8 adding approximately 3.15 miles of roadway to the SH 365 project from FM 396 to FM 1016; and

WHEREAS, on October 16, 2013, the Authority amended the 2012-2017 Strategic Plan – Program Manager Strategy No. 8 to include the Program Manager recommendation scenario 3 of the Value Engineering Study for the State Highway 365 Project with an estimated saving of $23.73 million for the project; and

WHEREAS, the Authority has conducted a Value Engineering Study for the International Bridge Trade Corridor Project as required by the Texas Department of Transportation for projects in excess of $25 million; and

WHEREAS, the Program Manager recommends Scenario 3 of the Value Engineering Study recommendations for the International Bridge Trade Corridor Project with an estimated saving of $57.26 million for the project; and

WHEREAS, adoption of Scenario 3 of the Value Engineering Study recommendations for the International Bridge Trade Corridor Project requires an update and adoption of the 2014-2019 Strategic Plan;

NOW THEREFORE, BE IT RESOLVED, BY THE BOARD OF DIRECTORS OF THE HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY THAT:

Section 1. The recital clauses are incorporated in the text of this Resolution as if fully restated.

Section 2. The Board hereby approves the Program Manager's recommendation of Scenario 3 of the Value Engineering Study for the International Bridge Trade Corridor Project hereto attached as Exhibit A.

Section 3. The Board hereby updates and adopts the 2014-2019 Strategic Plan to include the Scenario 3 Value Engineering Recommendations for the International Bridge Trade Corridor Project hereto attached as Exhibit B.

*****

PASSED AND APPROVED AS TO BE EFFECTIVE IMMEDIATELY BY THE BOARD OF DIRECTORS OF THE HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY AT A REGULAR MEETING, duly posted and noticed, on the 24th day of February, 2014, at which meeting a quorum was present.

_____

Dennis Burleson, Chairman

_____

Ricardo Perez, Secretary/Treasurer

EXHIBIT A
PROJECT MANAGER'S SCENARIO 3 VALUE ENGINEERING STUDY
RECOMMENDATION FOR THE
INTERNATIONAL BRIDGE TRADE CORRIDOR PROJECT

Executive Summary

Introduction

The purpose of the Value Engineering (VE) team was to review and improve on various concepts for the construction of the proposed International Bridge Trade Corridor (IBTC) in Hidalgo County, Texas. This project is currently in the 30 percent design phase.

The purpose of the proposed project is supported by the needs that have been previously identified, documented, and presented to local agencies, public officials, and the public. The intent is to:

- Improve north-south mobility and interconnectivity necessary to effectively distribute traffic between exiting and planned border crossings, and the interior U.S. highway network.
- Reduce community disruption associated with increasing freight movement originating from and destined to the border to access local freight transfer facilities.
- Provide a facility that can handle projected freight and auto traffic from the Pharr/Reynosa and Donna/Rio Bravo International Bridges.
- Address safety concerns about the mix of vehicle types and conflicting movements on the arterial and local street network.
- Identify alternative funding sources.

Fourteen subject-matter experts and stakeholders made up the study team.

VE Recommendations

The VE team generated 47 ideas for the project. These concepts were compared against the baseline developed by the project team. The concepts that performed the best were further developed by the VE team. The individual recommendations are summarized below; the detailed information about each recommendation is included in Section 7 of this report.

Table ES-1. Summary of Recommendations

#	Description	Cost Delta ($M)	Value Improvement (%)
1	Shorten Floodway Bridge	(5.06)	1
2	2-Lane Floodway Bridge	(7.34)	17
3	Single 4-Lane Floodway Bridge	(0.26)	4
4	Shorter Bridge Spans	(1.06)	1
5	Single Lane Direct Connects	(3.52)	6
6	Tower Road	(1.52)	8
7	Eliminate Border Road Underpass	(1.41)	5

Table ES-1. Summary of Recommendations

#	Description	Cost Delta ($M)	Value Improvement (%)
8	Donna Leg SBEBDC (Shorten Bridge–Revise Alignment)	(0.71)	2
9	Donna Reservoir Bridge	(3.23)	7
10	Remove EBSB and NBEB Direct Connectors	(5.23)	9
11	Remove all Direct Connectors at I-2	(10.73)	14
12	Thinner Superstructure over RR	(0.40)	0
13	Drainage Channel Realignment STA 350	(0.21)	8
14	Replace Culvert with Open Channel STA 765	(0.68)	0
15	Shorten Culvert from Canal at STA 780+00	(0.11)	0
16	Build from the Middle	(0.40)	4
17	Defer Donna Leg to the East	(17.90)	23
18	Defer Ramps	(2.31)	3
19	Realignment of IBTC from Alamo to Donna Reservoir	(20.42)	43

Table ES-2 is a reflection of three scenarios. An explanation relating to the application values to Scenario 3 are detailed in Section 7.2.

Table ES-2. Recommendation Cost Scenarios

#	Description	Cost Delta ($M)	Scenario 1	Scenario 2	Scenario 3*
1	Shorten Floodway Bridge	($5.06)	($5.06)	($5.06)	
2	2-Lane Floodway Bridge	(7.34)		(5.36)	($5.87)
3	Single 4-Lane Floodway Bridge	(0.26)	(0.23)		(0.21)
4	Shorter Bridge Spans	(1.06)	(1.06)	(1.06)	(0.09)
5	Single Lane Direct Connects	(3.52)	(3.52)	(3.52)	(3.52)
6	Tower Road	(1.52)	(1.52)	(1.52)	
7	Eliminate Border Road Underpass	(1.41)	(1.41)	(1.41)	
8	Donna Leg SBEBDC (Shorten Bridge–Revise Alignment)	(0.71)	(0.71)		
9	Donna Reservoir Bridge	(3.23)	(3.23)	(3.23)	

Table ES-2. Recommendation Cost Scenarios

#	Description	Cost Delta ($M)	Scenario 1	Scenario 2	Scenario 3*
10	Remove EBSB and NBEB Direct Connectors	(5.23)	(5.23)		
11	Remove all Direct Connectors at I-2	(10.73)		(10.73)	(10.73)
12	Thinner Superstructure over RR	(0.40)	(0.40)	0.40)	(0.40)
13	Drainage Channel Realignment STA 350	(0.21)	(0.21)	(0.21)	(0.21)
14	Replace Culvert with Open Channel STA 765	(0.68)			
15	Shorten Culvert from Canal at STA 780+00	(0.11)	(0.11)	(0.11)	(0.11)
16	Build from the Middle	(0.40)	(0.17)	(0.40)	
17	Defer Donna Leg to the East	(17.90)		(17.90)	(15.70)
18	Defer Ramps	(2.31)	(2.31)	(2.31)	
19	Realignment of IBTC from Alamo to Donna Reservoir	(20.42)			(20.42)
	Total		**($25.17)**	**($53.22)**	**($57.26)**

*For scenario 3, modifications were made to recommendations 1 through 18. These are also detailed in Section 7.2.

Implementation of Recommendations

To facilitate implementation, a Value Engineering Recommendation Approval Form is included as Appendix C. If the state elects to reject or modify a recommendation, please include a brief explanation of why.

The VE team wishes to express its appreciation to the project design managers for the excellent support they provided during the study. Hopefully, the recommendations and other ideas provided will assist in the management decisions necessary to move the project forward through the project delivery process.

Donald Owings, PE, CVS
VE Team Leader

7 Recommendations

7.1 Introduction

Evaluation of the 47 ideas generated by the team resulted in 19 individual recommendations to the original concept. The VE recommendation documents in this section are presented as written by the team during the VE study. While they have been edited from the draft VE report to correct errors or better clarify the recommendation, they represent the VE team's findings during the VE study.

Each recommendation consists of a summary of the original concept, a description of the suggested change, a listing of its advantages and disadvantages, a cost comparison, change in performance, and a brief narrative comparing the original design with the recommendation. Sketches, calculations, and performance measure ratings are also presented. The cost comparisons reflect a comparable level of detail as in the original estimate.

7.2 Summary of Recommendations

Table 8 shows each recommendation and its cost savings (represented by parentheses) as well as its overall change in performance. Because it was important to not sacrifice operational performance or revenue generation opportunities, performance of the individual recommendations needed to be evaluated considering the interim condition – between initial construction and full build-out. In the case of IBTC, the VE team felt that, given the low projected traffic volumes, and assuming build-out would occur as volumes warrant, there would basically be no negative impact on performance as a result of deferring elements of the overall project.

Table 8. Summary of Recommendations

#	Description	Cost Delta ($M)	Value Improvement (%)
1	Shorten Floodway Bridge	(5.06)	1
2	2-Lane Floodway Bridge	(7.34)	17
3	Single 4-Lane Floodway Bridge	(0.26)	4
4	Shorter Bridge Spans	(1.06)	1
5	Single Lane Direct Connects	(3.52)	6
6	Tower Road	(1.52)	8
7	Eliminate Border Road Underpass	(1.41)	5
8	Donna Leg SBEBDC (Shorten Bridge–Revise Alignment)	(0.71)	2
9	Donna Reservoir Bridge	(3.23)	7
10	Remove EBSB and NBEB Direct Connectors	(5.23)	9

Table 8. Summary of Recommendations

#	Description	Cost Delta ($M)	Value Improvement (%)
11	Remove all Direct Connectors at I-2	(10.73)	14
12	Thinner Superstructure over RR	(0.40)	0
13	Drainage Channel Realignment STA 350	(0.21)	8
14	Replace Culvert with Open Channel STA 765	(0.68)	0
15	Shorten Culvert from Canal at STA 780+00	(0.11)	0
16	Build from the Middle	(0.40)	4
17	Defer Donna Leg to the East	(17.90)	23
18	Defer Ramps	(2.31)	3
19	Realignment of IBTC from Alamo to Donna Reservoir	(20.42)	43

The VE team developed several recommendations that cannot be implemented concurrently (recommendations 2/3, 8/17, and 10/11). In addition, the savings shown for recommendation Nos. 1, 2, and 3, as a whole, will vary depending on the combination selected, e.g., the cost savings shown for recommendation Nos. 2 and 3 would be slightly less if recommendation No. 1 were to be implemented. The team also developed a recommendation (No. 19) for a new alignment. This recommendation would negate other recommendations and reduce the cost saving shown on others. As a result, the VE team developed three scenarios: scenarios one and two are relative to the baseline alignment and represent the recommendations that would result in the lowest cost avoidance or deferral (Scenario 1); the other showing the highest cost avoidance or deferral (Scenario 2). Scenario three represents the new alignment (Recommendation No. 19) and the estimated value of Recommendation Nos. 1 through 18 that would apply.

While recommendation No. 14 shows a cost savings, the savings are program level savings associated with the utilities budget of the overall program, and not directly related to the capital construction cost of IBTC. As a result, the savings associated with Recommendation No. 14 is not included in any of the scenarios developed.

Table 9 is a reflection of three scenarios. A brief explanation relating to the application values to scenario 3 follow the table.

Table 9. Recommendation Cost Scenarios

#	Description	Cost Delta ($M)	Scenario 1	Scenario 2	Scenario 3*
1	Shorten Floodway Bridge	($5.06)	($5.06)	($5.06)	
2	2-Lane Floodway Bridge	(7.34)		(5.36)	($5.87)
3	Single 4-Lane Floodway Bridge	(0.26)	(0.23)		(0.21)
4	Shorter Bridge Spans	(1.06)	(1.06)	(1.06)	(0.09)
5	Single Lane Direct Connects	(3.52)	(3.52)	(3.52)	(3.52)
6	Tower Road	(1.52)	(1.52)	(1.52)	
7	Eliminate Border Road Underpass	(1.41)	(1.41)	(1.41)	
8	Donna Leg SBEBDC (Shorten Brdg–Revise Align)	(0.71)	(0.71)		
9	Donna Reservoir Bridge	(3.23)	(3.23)	(3.23)	
10	Remove EBSB and NBEB Direct Connectors	(5.23)	(5.23)		
11	Remove all Direct Connectors at I-2	(10.73)		(10.73)	(10.73)
12	Thinner Superstructure over RR	(0.40)	(0.40)	(0.40)	(0.40)
13	Drainage Channel Realignment STA 350	(0.21)	(0.21)	(0.21)	(0.21)
14	Replace Culvert with Open Channel STA 765	(0.68)			
15	Shorten Culvert from Canal at STA 780+00	(0.11)	(0.11)	(0.11)	(0.11)
16	Build from the Middle	(0.40)	(0.17)	(0.40)	
17	Defer Donna Leg to the East	(17.90)		(17.90)	(15.70)
18	Defer Ramps	(2.31)	(2.31)	(2.31)	
19	Realignment of IBTC from Alamo to Donna Reservoir	(20.42)			(20.42)
	Total		**($25.17)**	**($53.22)**	**($57.26)**

* For scenario 3, the following modifications were made to recommendations 1 through 18:

Rec 1 Recommendation 19 includes a shorter alignment; as such, this value is not applicable.

Rec 2 Value reduced by 20 percent to account for a shorter bridge.

Rec 3 Value reduced by 20 percent to account for a shorter bridge.

Rec 4 Of the four interchanges in the realignment area (Stewart, Alamo, Tower, and Valley View), all are eliminated except Stewart. As such, the cost savings would be for Stewart.

Rec 5 Could be implemented in its entirety.

Rec 6 No longer applies or is accounted for in the base of recommendation 19.

Rec 7 No longer applies or is accounted for in the base of recommendation 19.

Rec 8 No longer applies or is accounted for in the base of recommendation 19.

Rec 9 No longer applies or is accounted for in the base of recommendation 19.

Rec 10 Could be applied in its entirety; however, it is a competing recommendation with No. 11. To reflect the highest potential savings, recommendation No. 11 was shown as the companion.

Rec 11 Could be implemented in its entirety – see No. 10.

Rec 12 Could be implemented in its entirety.

Rec 13 Could be implemented in its entirety.

Rec 14 Not directly related to the capital construction cost of IBTC.

Rec 16 Could be implemented in its entirety.

Rec 16 The savings would be less because of the shorter alignment and the reduced number of structures. The actual cost savings was not calculated for this exercise.

Rec 17 The realignment recommendation would actually result in the Donna Leg being longer than the base; however, the realignment option has fewer and shorter bridges, along with reduced walls. The savings shown accounts for the extension and the reduced walls and bridges.

Rec 18 Of the ramps identified in this recommendation in the realignment area (Stewart, Tower, Border, and Valley View), all are deferred except Stewart. As such, the cost savings would be for Stewart only and was not calculated for this exercise.

7.2.1 FHWA Functional Benefit Criteria

Each year, State DOT's are required to report on VE recommendations to FHWA. In addition to cost implications, FHWA requires the DOT's to evaluate each approved recommendation in terms of the project feature or features that recommendation benefits. If a specific recommendation can be shown to provide benefit to more than one feature described below, count the recommendation in *each category that is applicable*. These same criteria can be found on each of the individual recommendations that follow.

- **Safety:** Recommendations that mitigate or reduce hazards on the facility
- **Operations:** Recommendations that improve real-time service and/or local, corridor, or regional levels of service of the facility.
- **Environment:** Recommendations that successfully avoid or mitigate impacts to natural and or cultural resources.
- **Construction:** Recommendations that improve work zone conditions, or expedite the project delivery.
- **Other:** Recommendations not readily categorized by the above performance indicators.

7.3 Value Engineering Recommendation Approval

The VE recommendation form is to aid in annual reporting of VE activities to FHWA. It is the intent that the project manager review and evaluate the VE team's alternatives included in the final report. The project manager would then complete the Recommendation Approval form shown in Appendix C.

Each alternative that is not approved or is modified by the project manager should include a justification (a summary statement containing the project manager's decision not to use the recommendation in the project).

The completed Value Engineering Recommendation Approval form, including justification for any recommendations not approved or modified, shall be sent to [the Texas DOT State Value Engineer] by October 1 of each year so the results can be included in the annual VE Report to the Federal Highway Administration (FHWA).

7.4 Individual Recommendations

Based on the evaluation process, individual recommendations were developed. Each recommendation consists of a summary of the baseline concept, a description of the recommendation, a listing of its advantages and disadvantages, and a brief narrative that includes justification, sketches, photos, assumptions and calculations as developed by the VE team. Final recommendations can be found beginning on page 7-7.

EXHIBIT B
2014-2019 STRATEGIC PLAN

Capital Improvement Plan
2014 1Q Update

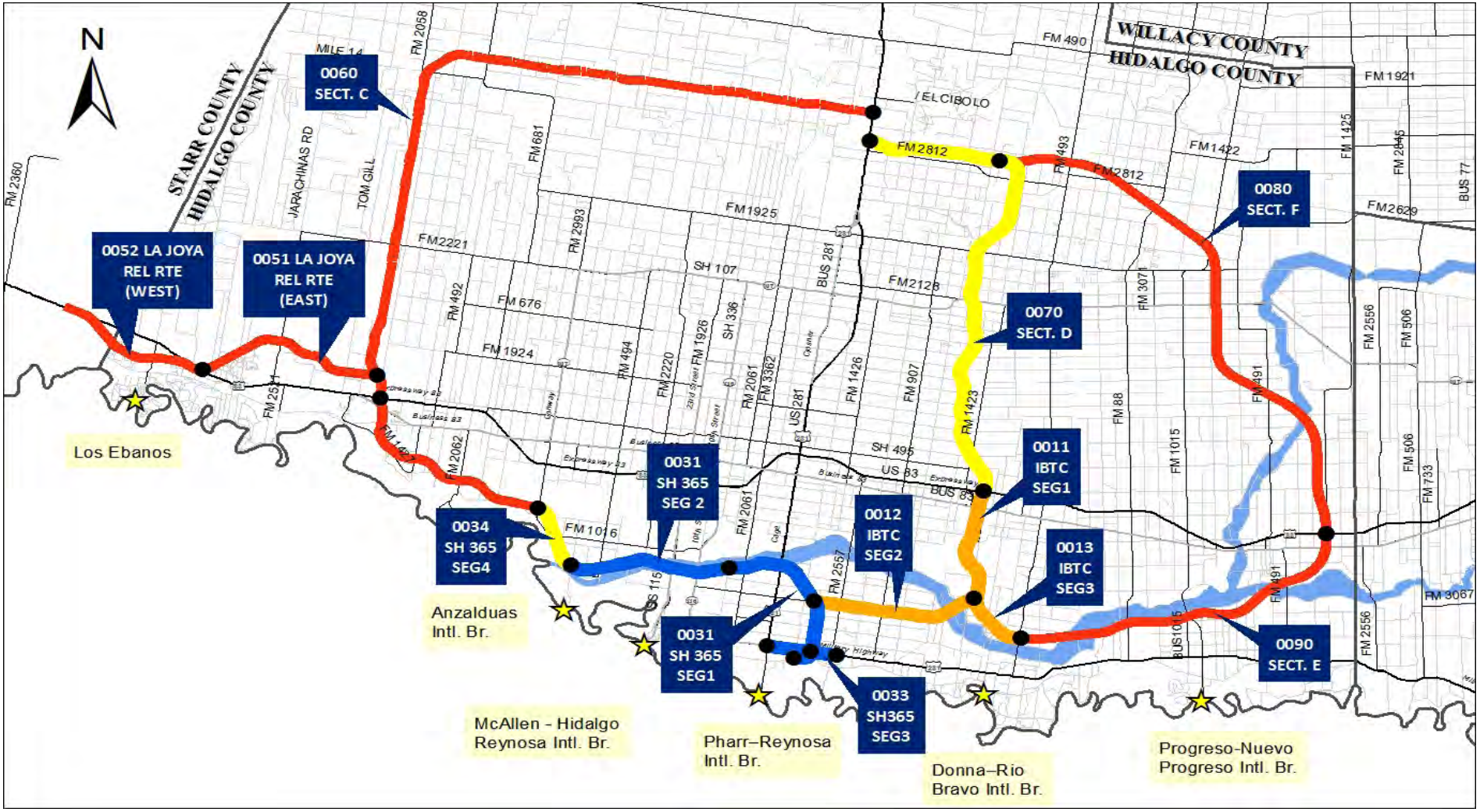
Preliminary and
Subject to Revision

HCRMA
HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY
DANNENBAUM - PROGRAM MANAGER

Strategic Plan Location Map

Preliminary and
Subject to Revision

HCRMA
HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY
DANNENBAUM - PROGRAM MANAGER



Preliminary and
Subject to Revision

HCRMA
HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY
DANNENBAUM - PROGRAM MANAGER

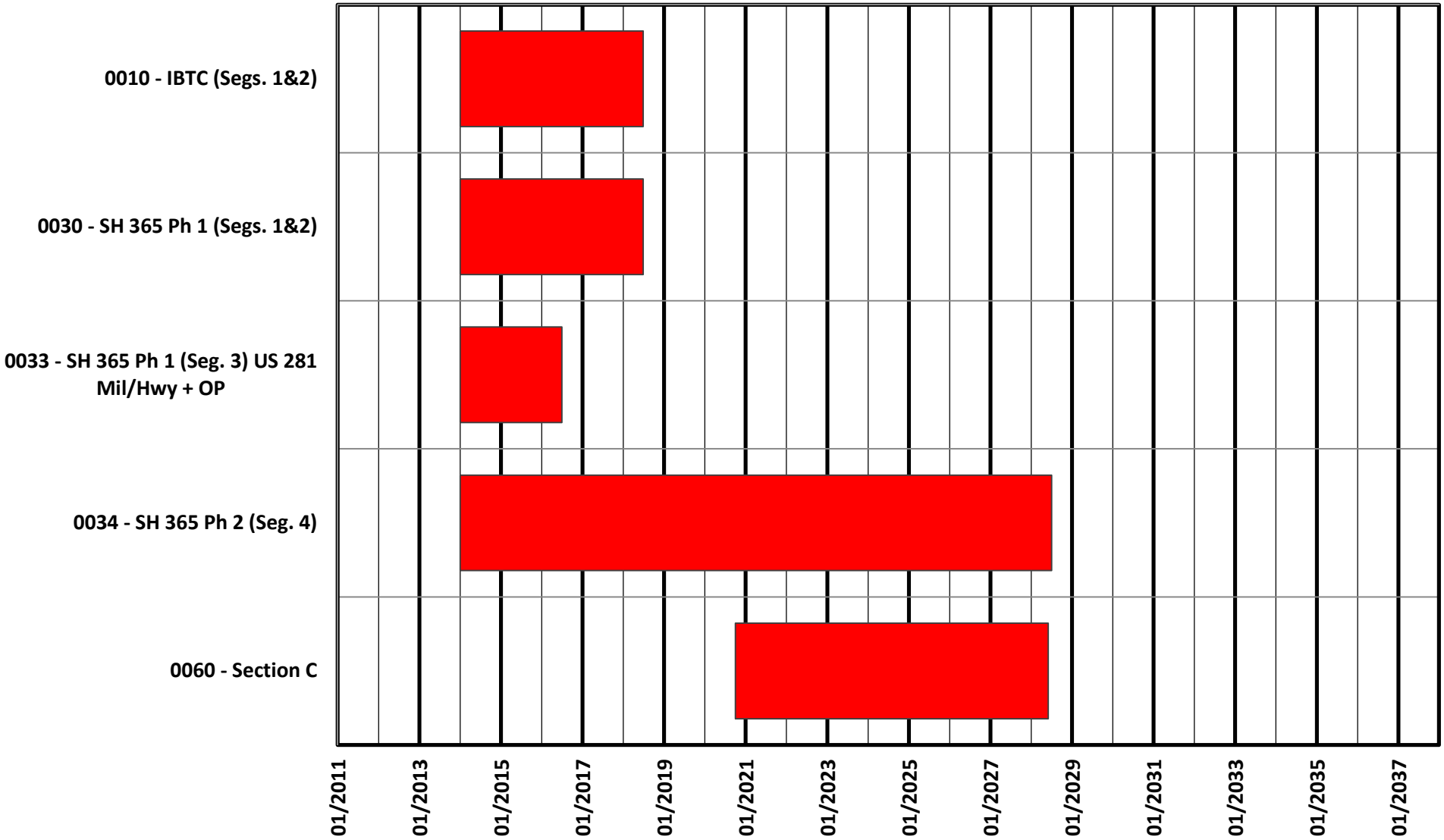
Strategic Plan Development Schedule

Preliminary and
Subject to Revision

Strategic Plan

Project Development Schedule

HCRMA
HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY
DANNENBAUM - PROGRAM MANAGER



Preliminary and
Subject to Revision

HCRMA
HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY
DANNENBAUM - PROGRAM MANAGER

Strategic Plan Update – Summary

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)
Project Assumptions

HCRMA
DANNENBAUM - PROGRAM MANAGER

I.	Project	Project Limits	Constr Cost (Base Yr)	Constr Cost (Base Yr)[1]	Distance (Miles)	Constr Cost (At Letting)[1]	Constr. Start (date)	Constr. End (date)	Total Dev. Cost
0010	IBTC (Segs. 1&2)	FM 3072 to I-2 83	1/1/2014	$ 101,112,463	9.65	$ 108,252,538	01/02/16	06/29/18	$ 174,569,985
0030	SH 365 Ph 1 (Segs. 1&2)	FM 396 to US 281	1/1/2014	$ 131,744,306	13.31	$ 141,047,455	01/02/16	06/29/18	$ 213,128,842
0033	SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	0.45mi E of Spur 600 to FM 2557 (incld. Overp	1/1/2014	$ 17,043,412	1.84	$ 17,665,442	12/01/14	06/30/16	$ 23,114,282
0034	SH 365 Ph 2 (Seg. 4)	FM 1016 to FM 396	12/1/2012	$ 28,756,847	2.65	$ 38,837,733	12/01/25	07/03/28	$ 49,492,251
0060	Section C	I-2 to US 281	12/1/2011	$ 306,619,200	29.85	$ 420,320,928	06/01/25	06/01/28	$ 559,551,839
	Total for All Projects:			**$ 585,276,228**	**57.30**	**$ 726,124,096**	**12/01/14**	**07/03/28**	**$ 1,019,857,199**

Note(s): 1. All construction costs are escalated from Base Constr Cost Estimate Date to the midpoint of the construction period at 2.125% per year.
2. Total Construction Costs include additional 7% for toll facilities for Projects 0040 - 0090.

II.	Development Tasks:	0010 IBTC	0030 SH365 Ph I	0033 US 281 Mil Hwy	0034 SH 365 Ph II	0060 Sec C	Total Dev. Cost
Task	**Advanced Planning**						
03	Environmental Clearance (incld. mitigation as n	$ 1,800,000	$ 1,764,685	$ -	$ -	$ 1,533,096	$ 5,097,781
04	Schem. (+engineering for drain. & util. research	$ -	$ 127,622	$ 196,602	$ -	$ 3,066,192	$ 3,390,416
06	Survey (aerial+ctrl+topo+corners)	$ 60,000	$ -	$ -	$ -	$ 1,226,477	$ 1,286,477
07	Survey (ROW strip+parcel maps)	$ 886,600	$ 654,100	$ 58,900	$ 394,320	$ 1,011,843	$ 3,005,763
05	Permits	$ 150,000	$ 150,000	$ 18,748	$ 36,004	$ 226,898	$ 581,650
10	T&R Studies/Projections	$ 90,000	$ 90,000	$ -	$ 43,135	$ 536,584	$ 759,719
	Subtotal	*$ 2,986,600*	*$ 2,786,407*	*$ 274,250*	*$ 473,459*	*$ 7,601,090*	*$ 14,121,806*
Task	**Design**						
15	PS&E / Geotech. (less drain.+util. research)	$ 9,044,653	$ 7,586,595	$ 1,132,627	$ 1,581,627	$ 16,864,056	$ 36,209,558
23	Toll Consultant	$ 440,500	$ 440,500	$ -	$ 86,271	$ 919,858	$ 1,887,129
22	Comp. Utils. & Drn Outfalls (Design+ROW+CC)	$ 12,591,551	$ 15,133,023	$ 1,302,661	$ 1,437,842	$ 15,330,960	$ 45,796,037
	Subtotal	*$ 22,076,704*	*$ 23,160,118*	*$ 2,435,288*	*$ 3,105,740*	*$ 33,114,874*	*$ 83,892,724*
Task	**Property Purchase**						
09	ROW Acquisition Svcs (title commit.+appraisal+	$ 3,814,274	$ 2,692,101	$ 225,872	$ 612,421	$ 7,880,400	$ 15,225,068
09	Purchase ROW	$ 28,581,219	$ 33,771,767	$ 1,587,589	$ 3,355,880	$ 57,008,873	$ 124,305,328
	Subtotal	*$ 32,395,493*	*$ 36,463,868*	*$ 1,813,461*	*$ 3,968,301*	*$ 64,889,273*	*$ 139,530,396*
Task	**Construction Cost**						
00	Bid Phase (incld. in mgt.)	$ -	$ -	$ -	$ -	$ -	$ -
18	Construction (incld. escalation)	$ 108,252,538	$ 141,047,455	$ 17,665,442	$ 38,837,733	$ 420,320,928	$ 726,124,096
	Subtotal	*$ 108,252,538*	*$ 141,047,455*	*$ 17,665,442*	*$ 38,837,733*	*$ 420,320,928*	*$ 726,124,096*
Task	**Management**						
00	PMC/GEC (Adv Plan./Des./ROW thru Bid Ph)	$ 3,350,623	$ 3,327,843	$ -	$ 970,943	$ 10,508,023	$ 18,157,432
00	PMC/GEC (Constr to Closeout)	$ 902,615	$ 902,615	$ -	$ 388,377	$ 4,203,209	$ 6,396,816
17	Constr Mgt (Constr to Closeout) (by PMC+HCRM	$ 2,123,624	$ 2,123,624	$ 389,159	$ 776,755	$ 8,406,419	$ 13,819,581
18	Inspection (by HCRMA)	$ 858,000	$ 1,201,200	$ 271,700	$ 388,377	$ 4,203,209	$ 6,922,486
18	Material Testing (by Others)	$ 1,623,788	$ 2,115,712	$ 264,982	$ 582,566	$ 6,304,814	$ 10,891,862
	Subtotal	*$ 8,858,650*	*$ 9,670,994*	*$ 925,841*	*$ 3,107,018*	*$ 33,625,674*	*$ 56,188,177*
	Total Development Cost	**$ 174,569,985**	**$ 213,128,842**	**$ 23,114,282**	**$ 49,492,251**	**$ 559,551,839**	**$ 1,019,857,199**

Develop, construct and operate SH 365 Ph I+Ph II and IBTC. Develop and construct US 281 Military Highway. Advanced planning on SH 68 (formerly Section D) by TxDOT.

Construct and/or Operate:	Constr Begin:	Ops Begin:
IBTC (Segs. 1&2)	01/2016	07/2018
SH 365 Ph 1 (Segs. 1&2)	01/2016	07/2018
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy ·	12/2014	07/2016
SH 365 Ph 2 (Seg. 4)	12/2025	08/2028
Section C	06/2025	07/2028

Preliminary and
Subject to Revision

HCRMA
HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY
DANNENBAUM - PROGRAM MANAGER

Strategic Plan Update – Yearly Cashflow

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)
Project Distance: 57.3 Mi
CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ -	$ -	$ -	$ 5,188,962	$ 5,263,760	$ 5,340,662	$ 5,418,139	$ 5,496,709	$ 5,576,423	$ 5,657,129	$ 5,737,248	$ 5,818,662
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ -	$ -	$ -	$ 295,754	$ 300,017	$ 304,400	$ 308,816	$ 313,294	$ 317,838	$ 322,438	$ 327,004	$ 331,644
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 364,000	$ 1,139,000	$ 1,914,000	$ 2,440,000	$ 3,040,000
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 785,000	$ 2,503,000	$ 3,616,000	$ 4,491,000	$ 5,318,000
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ 491,964	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ 1,001,475	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 13,705,574	$ 13,705,574	$ 13,705,574	$ 13,705,574
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ 5,600,000	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ 6,801,406	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 6,801,406	$ -	$ -	$ 6,978,155	$ 5,563,777	$ 5,645,062	$ 11,326,955	$ 6,959,003	$ 23,241,834	$ 25,215,140	$ 26,700,825	$ 28,213,879
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ (33,999,447)	$ (26,809,973)	$ (45,504,226)	$ (45,504,226)	$ (22,752,113)	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ (42,144,384)	$ (23,593,852)	$ (58,956,242)	$ (58,956,242)	$ (29,478,121)	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ (5,501,488)	$ (11,741,863)	$ (5,870,931)	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ (394,320)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (643,900)
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ -	$ -	$ -	$ (82,039,639)	$ (62,145,688)	$ (110,331,400)	$ (104,460,468)	$ (52,230,234)	$ -	$ -	$ -	$ (643,900)
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (337,201)	$ (761,523)	$ (915,244)	$ (1,011,119)	$ (1,115,944)
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (515,668)	$ (1,207,046)	$ (1,377,812)	$ (1,523,793)	$ (1,654,792)
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ -	$ -	$ (169,750)	$ (679,000)	$ (1,391,000)	$ (1,606,000)	$ (1,606,000)	$ (1,606,000)	$ (1,606,000)	$ (1,606,000)	$ (1,606,000)	$ (1,606,000)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ -	$ -	$ (169,750)	$ (679,000)	$ (1,391,000)	$ (1,606,000)	$ (1,606,000)	$ (2,458,868)	$ (3,574,569)	$ (3,899,056)	$ (4,140,912)	$ (4,376,736)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 6,801,406	$ -	$ -	$ 6,978,155	$ 5,563,777	$ 5,645,062	$ 11,326,955	$ 6,959,003	$ 23,241,834	$ 25,215,140	$ 26,700,825	$ 28,213,879
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ -	$ -	$ (169,750)	$ (82,718,639)	$ (63,536,688)	$ (111,937,400)	$ (106,066,468)	$ (54,689,103)	$ (3,574,569)	$ (3,899,056)	$ (4,140,912)	$ (5,020,636)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ 6,801,406	$ -	$ (169,750)	$ (75,740,484)	$ (57,972,911)	$ (106,292,338)	$ (94,739,514)	$ (47,730,099)	$ 19,667,265	$ 21,316,085	$ 22,559,914	$ 23,193,243
Projected Cummulative Cashflow																
Cummulative Revenues					$ 6,801,406	$ 6,801,406	$ 6,801,406	$ 13,779,561	$ 19,343,338	$ 24,988,399	$ 36,315,354	$ 43,274,358	$ 66,516,192	$ 91,731,333	$ 118,432,158	$ 146,646,037
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ -	$ -	$ (169,750)	$ (82,888,389)	$ (146,425,077)	$ (258,362,477)	$ (364,428,945)	$ (419,118,048)	$ (422,692,617)	$ (426,591,673)	$ (430,732,585)	$ (435,753,221)
Subtotal		10/2013	12/2057	531	**$ 6,801,406**	**$ 6,801,406**	**$ 6,631,656**	**$ (69,108,828)**	**$ (127,081,740)**	**$ (233,374,078)**	**$ (328,113,591)**	**$ (375,843,690)**	**$ (356,176,425)**	**$ (334,860,341)**	**$ (312,300,427)**	**$ (289,107,184)**

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)
Project Distance: 57.3 Mi
CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 5,900,429	$ 5,983,398	$ 6,067,206	$ 6,150,554	$ 6,234,312	$ 6,317,887	$ 6,401,519	$ 6,484,815	$ 6,568,232	$ 6,651,321	$ 6,734,150	$ 6,816,436
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 336,305	$ 341,034	$ 345,811	$ 350,561	$ 355,335	$ 360,099	$ 364,865	$ 369,613	$ 374,367	$ 379,103	$ 383,824	$ 388,514
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ 3,619,000	$ 4,252,000	$ 4,736,000	$ 5,262,000	$ 5,701,000	$ 6,113,000	$ 6,550,000	$ 6,954,000	$ 7,358,000	$ 7,781,000	$ 8,224,000	$ 8,689,000
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ 6,221,000	$ 6,937,000	$ 7,711,000	$ 8,337,000	$ 8,841,000	$ 10,646,000	$ 12,723,000	$ 13,485,000	$ 14,243,000	$ 15,033,000	$ 15,855,000	$ 16,712,000
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC	$ 137,055,735	08/2019	08/2028	109	$ 13,705,574	$ 13,705,574	$ 13,705,574	$ 13,705,574	$ 13,705,574	$ 13,705,574	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 29,782,308	$ 31,219,005	$ 32,565,590	$ 33,805,688	$ 34,837,220	$ 37,142,559	$ 26,039,384	$ 27,293,428	$ 28,543,600	$ 29,844,424	$ 31,196,974	$ 32,605,950
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ (367,943)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ (367,943)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ (1,212,042)	$ (1,315,852)	$ (1,414,680)	$ (1,520,141)	$ (1,609,335)	$ (10,323,701)	$ (1,711,721)	$ (1,807,003)	$ (1,907,016)	$ (2,012,165)	$ (9,518,852)	$ (2,238,657)
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ (1,795,627)	$ (1,930,278)	$ (2,073,739)	$ (2,191,437)	$ (2,314,742)	$ (2,562,732)	$ (3,209,197)	$ (3,387,239)	$ (3,573,576)	$ (3,768,752)	$ (28,099,504)	$ (4,187,193)
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (1,606,000)	$ (1,606,000)	$ (1,606,000)	$ (1,606,000)	$ (1,606,000)	$ (1,606,000)	$ (1,606,000)	$ (1,606,000)	$ (1,606,000)	$ (1,606,000)	$ (1,606,000)	$ (1,606,000)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (4,613,669)	$ (4,852,130)	$ (5,094,419)	$ (5,317,578)	$ (5,530,077)	$ (14,492,433)	$ (6,526,918)	$ (6,800,242)	$ (7,086,593)	$ (7,386,917)	$ (39,224,356)	$ (8,031,850)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 29,782,308	$ 31,219,005	$ 32,565,590	$ 33,805,688	$ 34,837,220	$ 37,142,559	$ 26,039,384	$ 27,293,428	$ 28,543,600	$ 29,844,424	$ 31,196,974	$ 32,605,950
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (4,981,612)	$ (4,852,130)	$ (5,094,419)	$ (5,317,578)	$ (5,530,077)	$ (14,492,433)	$ (6,526,918)	$ (6,800,242)	$ (7,086,593)	$ (7,386,917)	$ (39,224,356)	$ (8,031,850)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ 24,800,695	$ 26,366,875	$ 27,471,172	$ 28,488,110	$ 29,307,144	$ 22,650,126	$ 19,512,466	$ 20,493,186	$ 21,457,007	$ 22,457,507	$ (8,027,381)	$ 24,574,100
Projected Cummulative Cashflow																
Cummulative Revenues					$ 176,428,345	$ 207,647,350	$ 240,212,940	$ 274,018,629	$ 308,855,849	$ 345,998,408	$ 372,037,792	$ 399,331,220	$ 427,874,820	$ 457,719,244	$ 488,916,218	$ 521,522,168
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (440,734,833)	$ (445,586,963)	$ (450,681,382)	$ (455,998,960)	$ (461,529,037)	$ (476,021,470)	$ (482,548,388)	$ (489,348,630)	$ (496,435,223)	$ (503,822,140)	$ (543,046,495)	$ (551,078,346)
Subtotal		10/2013	12/2057	531	**$ (264,306,488)**	**$ (237,939,613)**	**$ (210,468,442)**	**$ (181,980,331)**	**$ (152,673,188)**	**$ (130,023,062)**	**$ (110,510,596)**	**$ (90,017,410)**	**$ (68,560,402)**	**$ (46,102,896)**	**$ (54,130,277)**	**$ (29,556,177)**

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)
Project Distance: 57.3 Mi
CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 6,898,418	$ 6,980,053	$ 7,061,714	$ 7,144,063	$ 7,225,590	$ 7,308,135	$ 7,390,314	$ 7,472,005	$ 7,555,631	$ 7,638,182	$ 7,722,383	$ 7,805,970
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 393,187	$ 397,840	$ 402,494	$ 407,188	$ 411,835	$ 416,539	$ 421,223	$ 425,879	$ 430,646	$ 435,351	$ 440,150	$ 444,914
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ 9,175,000	$ 9,684,000	$ 10,216,000	$ 10,772,000	$ 11,354,000	$ 11,962,000	$ 12,598,000	$ 13,262,000	$ 13,955,000	$ 14,679,000	$ 15,435,000	$ 16,223,000
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ 17,604,000	$ 18,532,000	$ 19,498,000	$ 20,504,000	$ 21,550,000	$ 22,638,000	$ 23,770,000	$ 24,946,000	$ 26,169,000	$ 27,441,000	$ 28,762,000	$ 30,135,000
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 34,070,605	$ 35,593,893	$ 37,178,208	$ 38,827,251	$ 40,541,425	$ 42,324,675	$ 44,179,537	$ 46,105,885	$ 48,110,277	$ 50,193,533	$ 52,359,533	$ 54,608,885
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ (2,360,510)	$ (2,488,321)	$ (2,622,576)	$ (14,336,977)	$ (2,775,142)	$ (2,924,166)	$ (3,080,389)	$ (3,244,136)	$ (3,416,260)	$ (3,596,366)	$ (3,785,618)	$ (3,983,888)
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ (4,411,286)	$ (4,645,666)	$ (4,890,988)	$ (4,932,514)	$ (5,191,392)	$ (5,462,026)	$ (5,745,157)	$ (6,041,327)	$ (6,351,099)	$ (6,674,795)	$ (7,013,276)	$ (7,367,179)
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (1,606,000)	$ (1,606,000)	$ (1,606,000)	$ (1,606,000)	$ (1,606,000)	$ (1,606,000)	$ (1,606,000)	$ (1,606,000)	$ (1,606,000)	$ (1,606,000)	$ (1,606,000)	$ (1,606,000)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (8,377,797)	$ (8,739,987)	$ (9,119,564)	$ (20,875,491)	$ (9,572,533)	$ (9,992,192)	$ (10,431,546)	$ (10,891,463)	$ (11,373,359)	$ (11,877,161)	$ (12,404,894)	$ (12,957,067)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 34,070,605	$ 35,593,893	$ 37,178,208	$ 38,827,251	$ 40,541,425	$ 42,324,675	$ 44,179,537	$ 46,105,885	$ 48,110,277	$ 50,193,533	$ 52,359,533	$ 54,608,885
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (8,377,797)	$ (8,739,987)	$ (9,119,564)	$ (20,875,491)	$ (9,572,533)	$ (9,992,192)	$ (10,431,546)	$ (10,891,463)	$ (11,373,359)	$ (11,877,161)	$ (12,404,894)	$ (12,957,067)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ 25,692,809	$ 26,853,906	$ 28,058,644	$ 17,951,760	$ 30,968,891	$ 32,332,483	$ 33,747,991	$ 35,214,422	$ 36,736,918	$ 38,316,372	$ 39,954,639	$ 41,651,817
Projected Cummulative Cashflow																
Cummulative Revenues					$ 555,592,774	$ 591,186,667	$ 628,364,875	$ 667,192,125	$ 707,733,550	$ 750,058,225	$ 794,237,762	$ 840,343,646	$ 888,453,923	$ 938,647,456	$ 991,006,989	$ 1,045,615,874
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (559,456,142)	$ (568,196,129)	$ (577,315,693)	$ (598,191,183)	$ (607,763,717)	$ (617,755,908)	$ (628,187,455)	$ (639,078,917)	$ (650,452,276)	$ (662,329,437)	$ (674,734,331)	$ (687,691,398)
Subtotal		10/2013	12/2057	531	**$ (3,863,369)**	**$ 22,990,538**	**$ 51,049,182**	**$ 69,000,942**	**$ 99,969,833**	**$ 132,302,316**	**$ 166,050,307**	**$ 201,264,729**	**$ 238,001,647**	**$ 276,318,019**	**$ 316,272,658**	**$ 357,924,475**

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)
Project Distance: 57.3 Mi
CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 7,890,727	$ 7,975,502	$ 8,060,638	$ 8,145,281	$ 8,226,734	$ 8,309,001	$ 8,392,091	$ 8,476,012	$ 8,560,772	$ 8,646,380	$ 8,732,843	$ -
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 449,745	$ 454,577	$ 459,430	$ 464,254	$ 468,896	$ 473,585	$ 478,321	$ 483,105	$ 487,936	$ 492,815	$ 497,743	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ 17,046,000	$ 17,904,000	$ 18,800,000	$ 19,733,000	$ 20,706,000	$ 21,720,000	$ 22,777,000	$ 23,878,000	$ 25,025,000	$ 26,219,000	$ 27,462,000	$ -
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ 31,562,000	$ 33,043,000	$ 34,582,000	$ 36,180,000	$ 37,839,000	$ 39,561,000	$ 41,348,000	$ 43,203,000	$ 45,128,000	$ 47,125,000	$ 49,197,000	$ -
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 56,948,472	$ 59,377,079	$ 61,902,068	$ 64,522,535	$ 67,240,630	$ 70,063,586	$ 72,995,412	$ 76,040,116	$ 79,201,708	$ 82,483,195	$ 85,889,587	$ -
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ (4,191,579)	$ (31,480,097)	$ (4,448,464)	$ (4,679,066)	$ (4,920,854)	$ (5,174,004)	$ (5,439,362)	$ (5,717,483)	$ (6,008,580)	$ (6,313,221)	$ (6,632,782)	$ -
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ (7,737,166)	$ (52,895,459)	$ (8,214,659)	$ (8,622,279)	$ (9,048,563)	$ (9,493,985)	$ (9,959,014)	$ (10,444,823)	$ (10,951,926)	$ (11,481,965)	$ (12,035,150)	$ -
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (1,606,000)	$ (1,606,000)	$ (1,606,000)	$ (1,606,000)	$ (1,606,000)	$ (1,606,000)	$ (1,606,000)	$ (1,606,000)	$ (1,606,000)	$ (1,606,000)	$ (1,606,000)	$ -
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (13,534,746)	$ (85,981,556)	$ (14,269,122)	$ (14,907,345)	$ (15,575,417)	$ (16,273,989)	$ (17,004,376)	$ (17,768,306)	$ (18,566,506)	$ (19,401,187)	$ (20,273,932)	$ -
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 56,948,472	$ 59,377,079	$ 61,902,068	$ 64,522,535	$ 67,240,630	$ 70,063,586	$ 72,995,412	$ 76,040,116	$ 79,201,708	$ 82,483,195	$ 85,889,587	$ -
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (13,534,746)	$ (85,981,556)	$ (14,269,122)	$ (14,907,345)	$ (15,575,417)	$ (16,273,989)	$ (17,004,376)	$ (17,768,306)	$ (18,566,506)	$ (19,401,187)	$ (20,273,932)	$ -
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ 43,413,726	$ (26,604,476)	$ 47,632,945	$ 49,615,190	$ 51,665,213	$ 53,789,597	$ 55,991,036	$ 58,271,810	$ 60,635,202	$ 63,082,008	$ 65,615,654	$ -
Projected Cummulative Cashflow																
Cummulative Revenues					$ 1,102,564,346	$ 1,161,941,425	$ 1,223,843,492	$ 1,288,366,027	$ 1,355,606,657	$ 1,425,670,244	$ 1,498,665,656	$ 1,574,705,772	$ 1,653,907,480	$ 1,736,390,674	$ 1,822,280,261	$ 1,822,280,261
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (701,226,144)	$ (787,207,699)	$ (801,476,822)	$ (816,384,166)	$ (831,959,584)	$ (848,233,573)	$ (865,237,949)	$ (883,006,255)	$ (901,572,761)	$ (920,973,948)	$ (941,247,880)	$ (941,247,880)
Subtotal		10/2013	12/2057	531	**$ 401,338,202**	**$ 374,733,726**	**$ 422,366,671**	**$ 471,981,861**	**$ 523,647,073**	**$ 577,436,671**	**$ 633,427,707**	**$ 691,699,517**	**$ 752,334,718**	**$ 815,416,727**	**$ 881,032,381**	**$ 881,032,381**

Preliminary and
Subject to Revision

HCRMA
HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY
DANNENBAUM - PROGRAM MANAGER

Strategic Plan Update – Monthly Cashflow

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)

Project Distance: 57.3 Mi

CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2011 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Projected Cummulative Cashflow																
Cummulative Revenues					$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal		10/2013	12/2057	531	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)
Project Distance: 57.3 Mi
CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2012 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Projected Cummulative Cashflow																
Cummulative Revenues					$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal		10/2013	12/2057	531	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)
Project Distance: 57.3 Mi
CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2013 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	(56,583)	$ (56,583)	$ (56,583)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	(56,583)	$ (56,583)	$ (56,583)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	(56,583)	$ (56,583)	$ (56,583)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	(56,583)	$ (56,583)	$ (56,583)
Projected Cummulative Cashflow																
Cummulative Revenues					$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	(56,583)	$ (113,167)	$ (169,750)
Subtotal		10/2013	12/2057	531	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**(56,583)**	**$ (113,167)**	**$ (169,750)**

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)

Project Distance: 57.3 Mi

CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2014 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 432,413	$ 432,413	$ 432,413	$ 432,413	$ 432,413	$ 432,413	$ 432,413	$ 432,413	$ 432,413	$ 432,413	$ 432,413	$ 432,413
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 295,754	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ 491,964	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,001,475	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 728,167	$ 432,413	$ 432,413	$ 432,413	$ 432,413	$ 432,413	$ 1,925,852	$ 432,413	$ 432,413	$ 432,413	$ 432,413	$ 432,413
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ (139,609)	$ (362,934)	$ (1,255,221)	$ (1,255,221)	$ (1,225,221)	$ (4,296,531)	$ (4,296,531)	$ (4,296,531)	$ (4,296,531)	$ (4,185,706)	$ (4,185,706)	$ (4,203,706)
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ (1,141,982)	$ (1,014,360)	$ (4,050,003)	$ (4,068,753)	$ (4,068,753)	$ (4,068,753)	$ (4,068,753)	$ (4,068,753)	$ (3,986,990)	$ (3,986,990)	$ (3,810,522)	$ (3,809,772)
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ (378,039)	$ (634,802)	$ (797,635)	$ (780,345)	$ (780,345)	$ (326,980)	$ (326,980)	$ (165,176)	$ (165,176)	$ (165,176)	$ (2,344)	$ (978,489)
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ (49,290)	$ (49,290)	$ (49,290)	$ (49,290)	$ (49,290)	$ (49,290)	$ (49,290)	$ (49,290)	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ (1,708,921)	$ (2,061,387)	$ (6,152,149)	$ (6,153,609)	$ (6,123,609)	$ (8,741,554)	$ (8,741,554)	$ (8,579,750)	$ (8,448,697)	$ (8,337,872)	$ (7,998,571)	$ (8,991,966)
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (56,583)	$ (56,583)	$ (56,583)	$ (56,583)	$ (56,583)	$ (56,583)	$ (56,583)	$ (56,583)	$ (56,583)	$ (56,583)	$ (56,583)	$ (56,583)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (56,583)	$ (56,583)	$ (56,583)	$ (56,583)	$ (56,583)	$ (56,583)	$ (56,583)	$ (56,583)	$ (56,583)	$ (56,583)	$ (56,583)	$ (56,583)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 728,167	$ 432,413	$ 432,413	$ 432,413	$ 432,413	$ 432,413	$ 1,925,852	$ 432,413	$ 432,413	$ 432,413	$ 432,413	$ 432,413
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (1,765,504)	$ (2,117,970)	$ (6,208,732)	$ (6,210,192)	$ (6,180,192)	$ (8,798,137)	$ (8,798,137)	$ (8,636,333)	$ (8,505,281)	$ (8,394,456)	$ (8,055,155)	$ (9,048,550)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ (1,037,337)	$ (1,685,557)	$ (5,776,319)	$ (5,777,779)	$ (5,747,779)	$ (8,365,724)	$ (6,872,285)	$ (8,203,920)	$ (8,072,867)	$ (7,962,042)	$ (7,622,741)	$ (8,616,136)
Projected Cummulative Cashflow																
Cummulative Revenues					$ 728,167	$ 1,160,581	$ 1,592,994	$ 2,025,408	$ 2,457,821	$ 2,890,235	$ 4,816,087	$ 5,248,501	$ 5,680,914	$ 6,113,328	$ 6,545,741	$ 6,978,155
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (1,935,254)	$ (4,053,224)	$ (10,261,956)	$ (16,472,149)	$ (22,652,341)	$ (31,450,478)	$ (40,248,615)	$ (48,884,948)	$ (57,390,229)	$ (65,784,685)	$ (73,839,839)	$ (82,888,389)
Subtotal		10/2013	12/2057	531	**$ (1,207,087)**	**$ (2,892,644)**	**$ (8,668,962)**	**$ (14,446,741)**	**$ (20,194,520)**	**$ (28,560,244)**	**$ (35,432,528)**	**$ (43,636,448)**	**$ (51,709,315)**	**$ (59,671,357)**	**$ (67,294,098)**	**$ (75,910,234)**

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)

Project Distance: 57.3 Mi

CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2015 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 438,647	$ 438,647	$ 438,647	$ 438,647	$ 438,647	$ 438,647	$ 438,647	$ 438,647	$ 438,647	$ 438,647	$ 438,647	$ 438,647
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 300,017	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 738,663	$ 438,647	$ 438,647	$ 438,647	$ 438,647	$ 438,647	$ 438,647	$ 438,647	$ 438,647	$ 438,647	$ 438,647	$ 438,647
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ (4,203,706)	$ (3,341,419)	$ (3,324,753)	$ (3,324,753)	$ (3,306,753)	$ (3,194,253)	$ (3,194,253)	$ (880,289)	$ (880,289)	$ (880,289)	$ (139,609)	$ (139,609)
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ (3,809,772)	$ (3,192,303)	$ (3,192,303)	$ (3,192,303)	$ (3,174,303)	$ (3,174,303)	$ (895,311)	$ (895,311)	$ (895,311)	$ (895,311)	$ (138,660)	$ (138,660)
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ (978,489)	$ (978,489)	$ (978,489)	$ (978,489)	$ (978,489)	$ (978,489)	$ (978,489)	$ (978,489)	$ (978,489)	$ (978,489)	$ (978,489)	$ (978,489)
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ (8,991,966)	$ (7,512,211)	$ (7,495,544)	$ (7,495,544)	$ (7,459,544)	$ (7,347,044)	$ (5,068,052)	$ (2,754,089)	$ (2,754,089)	$ (2,754,089)	$ (1,256,758)	$ (1,256,758)
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (96,833)	$ (96,833)	$ (96,833)	$ (96,833)	$ (96,833)	$ (128,833)	$ (128,833)	$ (128,833)	$ (128,833)	$ (128,833)	$ (128,833)	$ (133,833)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (96,833)	$ (96,833)	$ (96,833)	$ (96,833)	$ (96,833)	$ (128,833)	$ (128,833)	$ (128,833)	$ (128,833)	$ (128,833)	$ (128,833)	$ (133,833)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 738,663	$ 438,647	$ 438,647	$ 438,647	$ 438,647	$ 438,647	$ 438,647	$ 438,647	$ 438,647	$ 438,647	$ 438,647	$ 438,647
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (9,088,800)	$ (7,609,044)	$ (7,592,377)	$ (7,592,377)	$ (7,556,377)	$ (7,475,877)	$ (5,196,886)	$ (2,882,922)	$ (2,882,922)	$ (2,882,922)	$ (1,385,591)	$ (1,390,591)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ (8,350,136)	$ (7,170,398)	$ (7,153,731)	$ (7,153,731)	$ (7,117,731)	$ (7,037,231)	$ (4,758,239)	$ (2,444,275)	$ (2,444,275)	$ (2,444,275)	$ (946,945)	$ (951,945)
Projected Cummulative Cashflow																
Cummulative Revenues					$ 7,716,818	$ 8,155,465	$ 8,594,111	$ 9,032,758	$ 9,471,405	$ 9,910,051	$ 10,348,698	$ 10,787,345	$ 11,225,991	$ 11,664,638	$ 12,103,285	$ 12,541,931
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (91,977,189)	$ (99,586,233)	$ (107,178,610)	$ (114,770,988)	$ (122,327,365)	$ (129,803,243)	$ (135,000,128)	$ (137,883,050)	$ (140,765,972)	$ (143,648,894)	$ (145,034,486)	$ (146,425,077)
Subtotal		10/2013	12/2057	531	**$ (84,260,371)**	**$ (91,430,768)**	**$ (98,584,499)**	**$ (105,738,230)**	**$ (112,855,961)**	**$ (119,893,191)**	**$ (124,651,431)**	**$ (127,095,706)**	**$ (129,539,981)**	**$ (131,984,256)**	**$ (132,931,201)**	**$ (133,883,146)**

Preliminary and
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Strategic Plan (Updated 02/04/2013)

Project Distance: 57.3 Mi

CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2016 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 445,055	$ 445,055	$ 445,055	$ 445,055	$ 445,055	$ 445,055	$ 445,055	$ 445,055	$ 445,055	$ 445,055	$ 445,055	$ 445,055
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 304,400	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 749,455	$ 445,055	$ 445,055	$ 445,055	$ 445,055	$ 445,055	$ 445,055	$ 445,055	$ 445,055	$ 445,055	$ 445,055	$ 445,055
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ (3,792,019)	$ (3,792,019)	$ (3,792,019)	$ (3,792,019)	$ (3,792,019)	$ (3,792,019)	$ (3,792,019)	$ (3,792,019)	$ (3,792,019)	$ (3,792,019)	$ (3,792,019)	$ (3,792,019)
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ (4,913,020)	$ (4,913,020)	$ (4,913,020)	$ (4,913,020)	$ (4,913,020)	$ (4,913,020)	$ (4,913,020)	$ (4,913,020)	$ (4,913,020)	$ (4,913,020)	$ (4,913,020)	$ (4,913,020)
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ (978,489)	$ (978,489)	$ (978,489)	$ (978,489)	$ (978,489)	$ (978,489)	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ (9,683,528)	$ (9,683,528)	$ (9,683,528)	$ (9,683,528)	$ (9,683,528)	$ (9,683,528)	$ (8,705,039)	$ (8,705,039)	$ (8,705,039)	$ (8,705,039)	$ (8,705,039)	$ (8,705,039)
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 749,455	$ 445,055	$ 445,055	$ 445,055	$ 445,055	$ 445,055	$ 445,055	$ 445,055	$ 445,055	$ 445,055	$ 445,055	$ 445,055
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (9,817,361)	$ (9,817,361)	$ (9,817,361)	$ (9,817,361)	$ (9,817,361)	$ (9,817,361)	$ (8,838,872)	$ (8,838,872)	$ (8,838,872)	$ (8,838,872)	$ (8,838,872)	$ (8,838,872)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ (9,067,906)	$ (9,372,306)	$ (9,372,306)	$ (9,372,306)	$ (9,372,306)	$ (9,372,306)	$ (8,393,817)	$ (8,393,817)	$ (8,393,817)	$ (8,393,817)	$ (8,393,817)	$ (8,393,817)
Projected Cummulative Cashflow																
Cummulative Revenues					$ 13,291,386	$ 13,736,442	$ 14,181,497	$ 14,626,552	$ 15,071,607	$ 15,516,662	$ 15,961,717	$ 16,406,772	$ 16,851,828	$ 17,296,883	$ 17,741,938	$ 18,186,993
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (156,242,438)	$ (166,059,799)	$ (175,877,160)	$ (185,694,521)	$ (195,511,882)	$ (205,329,243)	$ (214,168,115)	$ (223,006,987)	$ (231,845,860)	$ (240,684,732)	$ (249,523,605)	$ (258,362,477)
Subtotal		10/2013	12/2057	531	**$ (142,951,052)**	**$ (152,323,357)**	**$ (161,695,663)**	**$ (171,067,969)**	**$ (180,440,275)**	**$ (189,812,581)**	**$ (198,206,398)**	**$ (206,600,215)**	**$ (214,994,032)**	**$ (223,387,849)**	**$ (231,781,667)**	**$ (240,175,484)**

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)

Project Distance: 57.3 Mi

CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2017 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 451,512	$ 451,512	$ 451,512	$ 451,512	$ 451,512	$ 451,512	$ 451,512	$ 451,512	$ 451,512	$ 451,512	$ 451,512	$ 451,512
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 308,816	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ 5,600,000	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 760,328	$ 451,512	$ 451,512	$ 451,512	$ 451,512	$ 451,512	$ 6,051,512	$ 451,512	$ 451,512	$ 451,512	$ 451,512	$ 451,512
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ (3,792,019)	$ (3,792,019)	$ (3,792,019)	$ (3,792,019)	$ (3,792,019)	$ (3,792,019)	$ (3,792,019)	$ (3,792,019)	$ (3,792,019)	$ (3,792,019)	$ (3,792,019)	$ (3,792,019)
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ (4,913,020)	$ (4,913,020)	$ (4,913,020)	$ (4,913,020)	$ (4,913,020)	$ (4,913,020)	$ (4,913,020)	$ (4,913,020)	$ (4,913,020)	$ (4,913,020)	$ (4,913,020)	$ (4,913,020)
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ (8,705,039)	$ (8,705,039)	$ (8,705,039)	$ (8,705,039)	$ (8,705,039)	$ (8,705,039)	$ (8,705,039)	$ (8,705,039)	$ (8,705,039)	$ (8,705,039)	$ (8,705,039)	$ (8,705,039)
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 760,328	$ 451,512	$ 451,512	$ 451,512	$ 451,512	$ 451,512	$ 6,051,512	$ 451,512	$ 451,512	$ 451,512	$ 451,512	$ 451,512
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (8,838,872)	$ (8,838,872)	$ (8,838,872)	$ (8,838,872)	$ (8,838,872)	$ (8,838,872)	$ (8,838,872)	$ (8,838,872)	$ (8,838,872)	$ (8,838,872)	$ (8,838,872)	$ (8,838,872)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ (8,078,545)	$ (8,387,361)	$ (8,387,361)	$ (8,387,361)	$ (8,387,361)	$ (8,387,361)	$ (2,787,361)	$ (8,387,361)	$ (8,387,361)	$ (8,387,361)	$ (8,387,361)	$ (8,387,361)
Projected Cummulative Cashflow																
Cummulative Revenues					$ 18,947,321	$ 19,398,832	$ 19,850,344	$ 20,301,855	$ 20,753,367	$ 21,204,879	$ 27,256,390	$ 27,707,902	$ 28,159,413	$ 28,610,925	$ 29,062,436	$ 29,513,948
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (267,201,349)	$ (276,040,222)	$ (284,879,094)	$ (293,717,966)	$ (302,556,839)	$ (311,395,711)	$ (320,234,584)	$ (329,073,456)	$ (337,912,328)	$ (346,751,201)	$ (355,590,073)	$ (364,428,945)
Subtotal		10/2013	12/2057	531	**$ (248,254,029)**	**$ (256,641,390)**	**$ (265,028,750)**	**$ (273,416,111)**	**$ (281,803,472)**	**$ (290,190,833)**	**$ (292,978,193)**	**$ (301,365,554)**	**$ (309,752,915)**	**$ (318,140,276)**	**$ (326,527,637)**	**$ (334,914,997)**

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)
Project Distance: 57.3 Mi
CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2018 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 458,059	$ 458,059	$ 458,059	$ 458,059	$ 458,059	$ 458,059	$ 458,059	$ 458,059	$ 458,059	$ 458,059	$ 458,059	$ 458,059
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 313,294	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ -	$ -	$ -	$ -	$ -	$ -	$ 60,667	$ 60,667	$ 60,667	$ 60,667	$ 60,667	$ 60,667
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ -	$ -	$ -	$ -	$ -	$ -	$ 130,833	$ 130,833	$ 130,833	$ 130,833	$ 130,833	$ 130,833
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 771,353	$ 458,059	$ 458,059	$ 458,059	$ 458,059	$ 458,059	$ 649,559	$ 649,559	$ 649,559	$ 649,559	$ 649,559	$ 649,559
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ (3,792,019)	$ (3,792,019)	$ (3,792,019)	$ (3,792,019)	$ (3,792,019)	$ (3,792,019)	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ (4,913,020)	$ (4,913,020)	$ (4,913,020)	$ (4,913,020)	$ (4,913,020)	$ (4,913,020)	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ (8,705,039)	$ (8,705,039)	$ (8,705,039)	$ (8,705,039)	$ (8,705,039)	$ (8,705,039)	$ -	$ -	$ -	$ -	$ -	$ -
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ -	$ -	$ -	$ -	$ -	$ -	$ (56,200)	$ (56,200)	$ (56,200)	$ (56,200)	$ (56,200)	$ (56,200)
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ -	$ -	$ -	$ -	$ -	$ -	$ (85,945)	$ (85,945)	$ (85,945)	$ (85,945)	$ (85,945)	$ (85,945)
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (275,978)	$ (275,978)	$ (275,978)	$ (275,978)	$ (275,978)	$ (275,978)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 771,353	$ 458,059	$ 458,059	$ 458,059	$ 458,059	$ 458,059	$ 649,559	$ 649,559	$ 649,559	$ 649,559	$ 649,559	$ 649,559
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (8,838,872)	$ (8,838,872)	$ (8,838,872)	$ (8,838,872)	$ (8,838,872)	$ (8,838,872)	$ (275,978)	$ (275,978)	$ (275,978)	$ (275,978)	$ (275,978)	$ (275,978)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ (8,067,519)	$ (8,380,813)	$ (8,380,813)	$ (8,380,813)	$ (8,380,813)	$ (8,380,813)	$ 373,581	$ 373,581	$ 373,581	$ 373,581	$ 373,581	$ 373,581
Projected Cummulative Cashflow																
Cummulative Revenues					$ 30,285,301	$ 30,743,360	$ 31,201,419	$ 31,659,479	$ 32,117,538	$ 32,575,597	$ 33,225,156	$ 33,874,715	$ 34,524,274	$ 35,173,833	$ 35,823,392	$ 36,472,951
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (373,267,818)	$ (382,106,690)	$ (390,945,563)	$ (399,784,435)	$ (408,623,307)	$ (417,462,180)	$ (417,738,158)	$ (418,014,136)	$ (418,290,114)	$ (418,566,092)	$ (418,842,070)	$ (419,118,048)
Subtotal		10/2013	12/2057	531	**$ (342,982,517)**	**$ (351,363,330)**	**$ (359,744,143)**	**$ (368,124,956)**	**$ (376,505,770)**	**$ (384,886,583)**	**$ (384,513,002)**	**$ (384,139,421)**	**$ (383,765,840)**	**$ (383,392,259)**	**$ (383,018,678)**	**$ (382,645,097)**

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)

Project Distance: 57.3 Mi

CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2019 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 464,702	$ 464,702	$ 464,702	$ 464,702	$ 464,702	$ 464,702	$ 464,702	$ 464,702	$ 464,702	$ 464,702	$ 464,702	$ 464,702
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 317,838	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ 94,917	$ 94,917	$ 94,917	$ 94,917	$ 94,917	$ 94,917	$ 94,917	$ 94,917	$ 94,917	$ 94,917	$ 94,917	$ 94,917
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ 208,583	$ 208,583	$ 208,583	$ 208,583	$ 208,583	$ 208,583	$ 208,583	$ 208,583	$ 208,583	$ 208,583	$ 208,583	$ 208,583
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 13,705,574	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 680,141	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 1,086,040	$ 768,202	$ 768,202	$ 768,202	$ 768,202	$ 768,202	$ 768,202	$ 15,153,916	$ 768,202	$ 768,202	$ 768,202	$ 768,202
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ (63,460)	$ (63,460)	$ (63,460)	$ (63,460)	$ (63,460)	$ (63,460)	$ (63,460)	$ (63,460)	$ (63,460)	$ (63,460)	$ (63,460)	$ (63,460)
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ (100,587)	$ (100,587)	$ (100,587)	$ (100,587)	$ (100,587)	$ (100,587)	$ (100,587)	$ (100,587)	$ (100,587)	$ (100,587)	$ (100,587)	$ (100,587)
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (297,881)	$ (297,881)	$ (297,881)	$ (297,881)	$ (297,881)	$ (297,881)	$ (297,881)	$ (297,881)	$ (297,881)	$ (297,881)	$ (297,881)	$ (297,881)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 1,086,040	$ 768,202	$ 768,202	$ 768,202	$ 768,202	$ 768,202	$ 768,202	$ 15,153,916	$ 768,202	$ 768,202	$ 768,202	$ 768,202
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (297,881)	$ (297,881)	$ (297,881)	$ (297,881)	$ (297,881)	$ (297,881)	$ (297,881)	$ (297,881)	$ (297,881)	$ (297,881)	$ (297,881)	$ (297,881)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ 788,159	$ 470,321	$ 470,321	$ 470,321	$ 470,321	$ 470,321	$ 470,321	$ 14,856,035	$ 470,321	$ 470,321	$ 470,321	$ 470,321
Projected Cummulative Cashflow																
Cummulative Revenues					$ 37,558,991	$ 38,327,193	$ 39,095,395	$ 39,863,597	$ 40,631,799	$ 41,400,001	$ 42,168,203	$ 57,322,119	$ 58,090,321	$ 58,858,523	$ 59,626,724	$ 60,394,926
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (419,415,929)	$ (419,713,810)	$ (420,011,690)	$ (420,309,571)	$ (420,607,452)	$ (420,905,333)	$ (421,203,213)	$ (421,501,094)	$ (421,798,975)	$ (422,096,856)	$ (422,394,737)	$ (422,692,617)
Subtotal		10/2013	12/2057	531	**$ (381,856,938)**	**$ (381,386,617)**	**$ (380,916,296)**	**$ (380,445,974)**	**$ (379,975,653)**	**$ (379,505,332)**	**$ (379,035,011)**	**$ (364,178,976)**	**$ (363,708,654)**	**$ (363,238,333)**	**$ (362,768,012)**	**$ (362,297,691)**

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)

Project Distance: 57.3 Mi

CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2020 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 471,427	$ 471,427	$ 471,427	$ 471,427	$ 471,427	$ 471,427	$ 471,427	$ 471,427	$ 471,427	$ 471,427	$ 471,427	$ 471,427
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 322,438	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ 159,500	$ 159,500	$ 159,500	$ 159,500	$ 159,500	$ 159,500	$ 159,500	$ 159,500	$ 159,500	$ 159,500	$ 159,500	$ 159,500
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ 301,333	$ 301,333	$ 301,333	$ 301,333	$ 301,333	$ 301,333	$ 301,333	$ 301,333	$ 301,333	$ 301,333	$ 301,333	$ 301,333
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 13,705,574	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 680,141	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 1,254,698	$ 932,261	$ 932,261	$ 932,261	$ 932,261	$ 932,261	$ 932,261	$ 15,317,975	$ 932,261	$ 932,261	$ 932,261	$ 932,261
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ (76,270)	$ (76,270)	$ (76,270)	$ (76,270)	$ (76,270)	$ (76,270)	$ (76,270)	$ (76,270)	$ (76,270)	$ (76,270)	$ (76,270)	$ (76,270)
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ (114,818)	$ (114,818)	$ (114,818)	$ (114,818)	$ (114,818)	$ (114,818)	$ (114,818)	$ (114,818)	$ (114,818)	$ (114,818)	$ (114,818)	$ (114,818)
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (324,921)	$ (324,921)	$ (324,921)	$ (324,921)	$ (324,921)	$ (324,921)	$ (324,921)	$ (324,921)	$ (324,921)	$ (324,921)	$ (324,921)	$ (324,921)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 1,254,698	$ 932,261	$ 932,261	$ 932,261	$ 932,261	$ 932,261	$ 932,261	$ 15,317,975	$ 932,261	$ 932,261	$ 932,261	$ 932,261
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (324,921)	$ (324,921)	$ (324,921)	$ (324,921)	$ (324,921)	$ (324,921)	$ (324,921)	$ (324,921)	$ (324,921)	$ (324,921)	$ (324,921)	$ (324,921)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ 929,777	$ 607,339	$ 607,339	$ 607,339	$ 607,339	$ 607,339	$ 607,339	$ 14,993,054	$ 607,339	$ 607,339	$ 607,339	$ 607,339
Projected Cummulative Cashflow																
Cummulative Revenues					$ 61,649,625	$ 62,581,886	$ 63,514,146	$ 64,446,407	$ 65,378,668	$ 66,310,929	$ 67,243,189	$ 82,561,164	$ 83,493,425	$ 84,425,686	$ 85,357,947	$ 86,290,208
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (423,017,539)	$ (423,342,460)	$ (423,667,381)	$ (423,992,303)	$ (424,317,224)	$ (424,642,145)	$ (424,967,067)	$ (425,291,988)	$ (425,616,909)	$ (425,941,831)	$ (426,266,752)	$ (426,591,673)
Subtotal		10/2013	12/2057	531	**$ (361,367,914)**	**$ (360,760,574)**	**$ (360,153,235)**	**$ (359,545,896)**	**$ (358,938,556)**	**$ (358,331,217)**	**$ (357,723,877)**	**$ (342,730,824)**	**$ (342,123,484)**	**$ (341,516,145)**	**$ (340,908,805)**	**$ (340,301,466)**

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)
Project Distance: 57.3 Mi
CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2021 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 478,104	$ 478,104	$ 478,104	$ 478,104	$ 478,104	$ 478,104	$ 478,104	$ 478,104	$ 478,104	$ 478,104	$ 478,104	$ 478,104
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 327,004	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ 203,333	$ 203,333	$ 203,333	$ 203,333	$ 203,333	$ 203,333	$ 203,333	$ 203,333	$ 203,333	$ 203,333	$ 203,333	$ 203,333
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ 374,250	$ 374,250	$ 374,250	$ 374,250	$ 374,250	$ 374,250	$ 374,250	$ 374,250	$ 374,250	$ 374,250	$ 374,250	$ 374,250
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 13,705,574	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 680,141	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 1,382,691	$ 1,055,687	$ 1,055,687	$ 1,055,687	$ 1,055,687	$ 1,055,687	$ 1,055,687	$ 15,441,401	$ 1,055,687	$ 1,055,687	$ 1,055,687	$ 1,055,687
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ (84,260)	$ (84,260)	$ (84,260)	$ (84,260)	$ (84,260)	$ (84,260)	$ (84,260)	$ (84,260)	$ (84,260)	$ (84,260)	$ (84,260)	$ (84,260)
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ (126,983)	$ (126,983)	$ (126,983)	$ (126,983)	$ (126,983)	$ (126,983)	$ (126,983)	$ (126,983)	$ (126,983)	$ (126,983)	$ (126,983)	$ (126,983)
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (345,076)	$ (345,076)	$ (345,076)	$ (345,076)	$ (345,076)	$ (345,076)	$ (345,076)	$ (345,076)	$ (345,076)	$ (345,076)	$ (345,076)	$ (345,076)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 1,382,691	$ 1,055,687	$ 1,055,687	$ 1,055,687	$ 1,055,687	$ 1,055,687	$ 1,055,687	$ 15,441,401	$ 1,055,687	$ 1,055,687	$ 1,055,687	$ 1,055,687
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (345,076)	$ (345,076)	$ (345,076)	$ (345,076)	$ (345,076)	$ (345,076)	$ (345,076)	$ (345,076)	$ (345,076)	$ (345,076)	$ (345,076)	$ (345,076)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ 1,037,615	$ 710,611	$ 710,611	$ 710,611	$ 710,611	$ 710,611	$ 710,611	$ 15,096,325	$ 710,611	$ 710,611	$ 710,611	$ 710,611
Projected Cummulative Cashflow																
Cummulative Revenues					$ 87,672,899	$ 88,728,586	$ 89,784,274	$ 90,839,961	$ 91,895,648	$ 92,951,335	$ 94,007,023	$ 109,448,424	$ 110,504,112	$ 111,559,799	$ 112,615,486	$ 113,671,173
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (426,936,749)	$ (427,281,825)	$ (427,626,901)	$ (427,971,977)	$ (428,317,053)	$ (428,662,129)	$ (429,007,205)	$ (429,352,281)	$ (429,697,357)	$ (430,042,433)	$ (430,387,509)	$ (430,732,585)
Subtotal		10/2013	12/2057	531	**$ (339,263,850)**	**$ (338,553,239)**	**$ (337,842,628)**	**$ (337,132,016)**	**$ (336,421,405)**	**$ (335,710,794)**	**$ (335,000,182)**	**$ (319,903,857)**	**$ (319,193,246)**	**$ (318,482,634)**	**$ (317,772,023)**	**$ (317,061,412)**

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)
Project Distance: 57.3 Mi
CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2022 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 484,888	$ 484,888	$ 484,888	$ 484,888	$ 484,888	$ 484,888	$ 484,888	$ 484,888	$ 484,888	$ 484,888	$ 484,888	$ 484,888
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 331,644	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ 253,333	$ 253,333	$ 253,333	$ 253,333	$ 253,333	$ 253,333	$ 253,333	$ 253,333	$ 253,333	$ 253,333	$ 253,333	$ 253,333
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ 443,167	$ 443,167	$ 443,167	$ 443,167	$ 443,167	$ 443,167	$ 443,167	$ 443,167	$ 443,167	$ 443,167	$ 443,167	$ 443,167
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 13,705,574	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 680,141	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 1,513,033	$ 1,181,388	$ 1,181,388	$ 1,181,388	$ 1,181,388	$ 1,181,388	$ 1,181,388	$ 15,567,103	$ 1,181,388	$ 1,181,388	$ 1,181,388	$ 1,181,388
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ (91,986)	$ (91,986)	$ (91,986)	$ (91,986)	$ (91,986)	$ (91,986)	$ (91,986)
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ -	$ -	$ -	$ -	$ -	$ (91,986)	$ (91,986)	$ (91,986)	$ (91,986)	$ (91,986)	$ (91,986)	$ (91,986)
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ (92,995)	$ (92,995)	$ (92,995)	$ (92,995)	$ (92,995)	$ (92,995)	$ (92,995)	$ (92,995)	$ (92,995)	$ (92,995)	$ (92,995)	$ (92,995)
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ (137,899)	$ (137,899)	$ (137,899)	$ (137,899)	$ (137,899)	$ (137,899)	$ (137,899)	$ (137,899)	$ (137,899)	$ (137,899)	$ (137,899)	$ (137,899)
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (364,728)	$ (364,728)	$ (364,728)	$ (364,728)	$ (364,728)	$ (364,728)	$ (364,728)	$ (364,728)	$ (364,728)	$ (364,728)	$ (364,728)	$ (364,728)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 1,513,033	$ 1,181,388	$ 1,181,388	$ 1,181,388	$ 1,181,388	$ 1,181,388	$ 1,181,388	$ 15,567,103	$ 1,181,388	$ 1,181,388	$ 1,181,388	$ 1,181,388
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (364,728)	$ (364,728)	$ (364,728)	$ (364,728)	$ (364,728)	$ (456,714)	$ (456,714)	$ (456,714)	$ (456,714)	$ (456,714)	$ (456,714)	$ (456,714)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ 1,148,305	$ 816,660	$ 816,660	$ 816,660	$ 816,660	$ 724,675	$ 724,675	$ 15,110,389	$ 724,675	$ 724,675	$ 724,675	$ 724,675
Projected Cummulative Cashflow																
Cummulative Revenues					$ 115,184,206	$ 116,365,595	$ 117,546,983	$ 118,728,372	$ 119,909,760	$ 121,091,149	$ 122,272,537	$ 137,839,640	$ 139,021,028	$ 140,202,417	$ 141,383,805	$ 142,565,194
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (431,097,313)	$ (431,462,041)	$ (431,826,769)	$ (432,191,497)	$ (432,556,225)	$ (433,012,939)	$ (433,469,653)	$ (433,926,366)	$ (434,383,080)	$ (434,839,794)	$ (435,296,507)	$ (435,753,221)
Subtotal		10/2013	12/2057	531	**$ (315,913,107)**	**$ (315,096,446)**	**$ (314,279,786)**	**$ (313,463,125)**	**$ (312,646,465)**	**$ (311,921,790)**	**$ (311,197,115)**	**$ (296,086,726)**	**$ (295,362,052)**	**$ (294,637,377)**	**$ (293,912,702)**	**$ (293,188,028)**

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)
Project Distance: 57.3 Mi
CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2023 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 491,702	$ 491,702	$ 491,702	$ 491,702	$ 491,702	$ 491,702	$ 491,702	$ 491,702	$ 491,702	$ 491,702	$ 491,702	$ 491,702
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 336,305	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ 301,583	$ 301,583	$ 301,583	$ 301,583	$ 301,583	$ 301,583	$ 301,583	$ 301,583	$ 301,583	$ 301,583	$ 301,583	$ 301,583
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ 518,417	$ 518,417	$ 518,417	$ 518,417	$ 518,417	$ 518,417	$ 518,417	$ 518,417	$ 518,417	$ 518,417	$ 518,417	$ 518,417
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 13,705,574	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 680,141	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 1,648,007	$ 1,311,702	$ 1,311,702	$ 1,311,702	$ 1,311,702	$ 1,311,702	$ 1,311,702	$ 15,697,417	$ 1,311,702	$ 1,311,702	$ 1,311,702	$ 1,311,702
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ (91,986)	$ (91,986)	$ (91,986)	$ (91,986)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ (91,986)	$ (91,986)	$ (91,986)	$ (91,986)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ (101,004)	$ (101,004)	$ (101,004)	$ (101,004)	$ (101,004)	$ (101,004)	$ (101,004)	$ (101,004)	$ (101,004)	$ (101,004)	$ (101,004)	$ (101,004)
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ (149,636)	$ (149,636)	$ (149,636)	$ (149,636)	$ (149,636)	$ (149,636)	$ (149,636)	$ (149,636)	$ (149,636)	$ (149,636)	$ (149,636)	$ (149,636)
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (384,472)	$ (384,472)	$ (384,472)	$ (384,472)	$ (384,472)	$ (384,472)	$ (384,472)	$ (384,472)	$ (384,472)	$ (384,472)	$ (384,472)	$ (384,472)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 1,648,007	$ 1,311,702	$ 1,311,702	$ 1,311,702	$ 1,311,702	$ 1,311,702	$ 1,311,702	$ 15,697,417	$ 1,311,702	$ 1,311,702	$ 1,311,702	$ 1,311,702
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (476,458)	$ (476,458)	$ (476,458)	$ (476,458)	$ (384,472)	$ (384,472)	$ (384,472)	$ (384,472)	$ (384,472)	$ (384,472)	$ (384,472)	$ (384,472)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ 1,171,549	$ 835,244	$ 835,244	$ 835,244	$ 927,230	$ 927,230	$ 927,230	$ 15,312,944	$ 927,230	$ 927,230	$ 927,230	$ 927,230
Projected Cummulative Cashflow																
Cummulative Revenues					$ 144,213,201	$ 145,524,903	$ 146,836,606	$ 148,148,308	$ 149,460,011	$ 150,771,713	$ 152,083,416	$ 167,780,832	$ 169,092,535	$ 170,404,237	$ 171,715,939	$ 173,027,642
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (436,229,679)	$ (436,706,137)	$ (437,182,596)	$ (437,659,054)	$ (438,043,526)	$ (438,427,999)	$ (438,812,471)	$ (439,196,944)	$ (439,581,416)	$ (439,965,888)	$ (440,350,361)	$ (440,734,833)
Subtotal		10/2013	12/2057	531	**$ (292,016,478)**	**$ (291,181,234)**	**$ (290,345,990)**	**$ (289,510,746)**	**$ (288,583,516)**	**$ (287,656,286)**	**$ (286,729,056)**	**$ (271,416,111)**	**$ (270,488,881)**	**$ (269,561,651)**	**$ (268,634,421)**	**$ (267,707,191)**

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)
Project Distance: 57.3 Mi
CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2024 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 498,616	$ 498,616	$ 498,616	$ 498,616	$ 498,616	$ 498,616	$ 498,616	$ 498,616	$ 498,616	$ 498,616	$ 498,616	$ 498,616
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 341,034	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ 354,333	$ 354,333	$ 354,333	$ 354,333	$ 354,333	$ 354,333	$ 354,333	$ 354,333	$ 354,333	$ 354,333	$ 354,333	$ 354,333
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ 578,083	$ 578,083	$ 578,083	$ 578,083	$ 578,083	$ 578,083	$ 578,083	$ 578,083	$ 578,083	$ 578,083	$ 578,083	$ 578,083
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 13,705,574	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 680,141	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 1,772,067	$ 1,431,033	$ 1,431,033	$ 1,431,033	$ 1,431,033	$ 1,431,033	$ 1,431,033	$ 15,816,747	$ 1,431,033	$ 1,431,033	$ 1,431,033	$ 1,431,033
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ (109,654)	$ (109,654)	$ (109,654)	$ (109,654)	$ (109,654)	$ (109,654)	$ (109,654)	$ (109,654)	$ (109,654)	$ (109,654)	$ (109,654)	$ (109,654)
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ (160,856)	$ (160,856)	$ (160,856)	$ (160,856)	$ (160,856)	$ (160,856)	$ (160,856)	$ (160,856)	$ (160,856)	$ (160,856)	$ (160,856)	$ (160,856)
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (404,344)	$ (404,344)	$ (404,344)	$ (404,344)	$ (404,344)	$ (404,344)	$ (404,344)	$ (404,344)	$ (404,344)	$ (404,344)	$ (404,344)	$ (404,344)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 1,772,067	$ 1,431,033	$ 1,431,033	$ 1,431,033	$ 1,431,033	$ 1,431,033	$ 1,431,033	$ 15,816,747	$ 1,431,033	$ 1,431,033	$ 1,431,033	$ 1,431,033
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (404,344)	$ (404,344)	$ (404,344)	$ (404,344)	$ (404,344)	$ (404,344)	$ (404,344)	$ (404,344)	$ (404,344)	$ (404,344)	$ (404,344)	$ (404,344)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ 1,367,723	$ 1,026,689	$ 1,026,689	$ 1,026,689	$ 1,026,689	$ 1,026,689	$ 1,026,689	$ 15,412,403	$ 1,026,689	$ 1,026,689	$ 1,026,689	$ 1,026,689
Projected Cummulative Cashflow																
Cummulative Revenues					$ 174,799,709	$ 176,230,742	$ 177,661,775	$ 179,092,808	$ 180,523,841	$ 181,954,874	$ 183,385,908	$ 199,202,655	$ 200,633,688	$ 202,064,721	$ 203,495,754	$ 204,926,787
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (441,139,177)	$ (441,543,522)	$ (441,947,866)	$ (442,352,210)	$ (442,756,554)	$ (443,160,898)	$ (443,565,242)	$ (443,969,587)	$ (444,373,931)	$ (444,778,275)	$ (445,182,619)	$ (445,586,963)
Subtotal		10/2013	12/2057	531	**$ (266,339,469)**	**$ (265,312,780)**	**$ (264,286,091)**	**$ (263,259,402)**	**$ (262,232,713)**	**$ (261,206,024)**	**$ (260,179,335)**	**$ (244,766,932)**	**$ (243,740,243)**	**$ (242,713,554)**	**$ (241,686,865)**	**$ (240,660,176)**

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)
Project Distance: 57.3 Mi
CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2025 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 505,601	$ 505,601	$ 505,601	$ 505,601	$ 505,601	$ 505,601	$ 505,601	$ 505,601	$ 505,601	$ 505,601	$ 505,601	$ 505,601
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 345,811	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ 394,667	$ 394,667	$ 394,667	$ 394,667	$ 394,667	$ 394,667	$ 394,667	$ 394,667	$ 394,667	$ 394,667	$ 394,667	$ 394,667
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ 642,583	$ 642,583	$ 642,583	$ 642,583	$ 642,583	$ 642,583	$ 642,583	$ 642,583	$ 642,583	$ 642,583	$ 642,583	$ 642,583
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 13,705,574	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 680,141	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 1,888,661	$ 1,542,851	$ 1,542,851	$ 1,542,851	$ 1,542,851	$ 1,542,851	$ 1,542,851	$ 15,928,565	$ 1,542,851	$ 1,542,851	$ 1,542,851	$ 1,542,851
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ (117,890)	$ (117,890)	$ (117,890)	$ (117,890)	$ (117,890)	$ (117,890)	$ (117,890)	$ (117,890)	$ (117,890)	$ (117,890)	$ (117,890)	$ (117,890)
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ (172,812)	$ (172,812)	$ (172,812)	$ (172,812)	$ (172,812)	$ (172,812)	$ (172,812)	$ (172,812)	$ (172,812)	$ (172,812)	$ (172,812)	$ (172,812)
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (424,535)	$ (424,535)	$ (424,535)	$ (424,535)	$ (424,535)	$ (424,535)	$ (424,535)	$ (424,535)	$ (424,535)	$ (424,535)	$ (424,535)	$ (424,535)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 1,888,661	$ 1,542,851	$ 1,542,851	$ 1,542,851	$ 1,542,851	$ 1,542,851	$ 1,542,851	$ 15,928,565	$ 1,542,851	$ 1,542,851	$ 1,542,851	$ 1,542,851
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (424,535)	$ (424,535)	$ (424,535)	$ (424,535)	$ (424,535)	$ (424,535)	$ (424,535)	$ (424,535)	$ (424,535)	$ (424,535)	$ (424,535)	$ (424,535)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ 1,464,126	$ 1,118,316	$ 1,118,316	$ 1,118,316	$ 1,118,316	$ 1,118,316	$ 1,118,316	$ 15,504,030	$ 1,118,316	$ 1,118,316	$ 1,118,316	$ 1,118,316
Projected Cummulative Cashflow																
Cummulative Revenues					$ 206,815,449	$ 208,358,299	$ 209,901,150	$ 211,444,000	$ 212,986,851	$ 214,529,701	$ 216,072,552	$ 232,001,116	$ 233,543,967	$ 235,086,817	$ 236,629,668	$ 238,172,518
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (446,011,498)	$ (446,436,033)	$ (446,860,568)	$ (447,285,103)	$ (447,709,638)	$ (448,134,173)	$ (448,558,708)	$ (448,983,242)	$ (449,407,777)	$ (449,832,312)	$ (450,256,847)	$ (450,681,382)
Subtotal		10/2013	12/2057	531	**$ (239,196,050)**	**$ (238,077,734)**	**$ (236,959,418)**	**$ (235,841,103)**	**$ (234,722,787)**	**$ (233,604,472)**	**$ (232,486,156)**	**$ (216,982,126)**	**$ (215,863,811)**	**$ (214,745,495)**	**$ (213,627,179)**	**$ (212,508,864)**

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)
Project Distance: 57.3 Mi
CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2026 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 512,546	$ 512,546	$ 512,546	$ 512,546	$ 512,546	$ 512,546	$ 512,546	$ 512,546	$ 512,546	$ 512,546	$ 512,546	$ 512,546
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 350,561	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ 438,500	$ 438,500	$ 438,500	$ 438,500	$ 438,500	$ 438,500	$ 438,500	$ 438,500	$ 438,500	$ 438,500	$ 438,500	$ 438,500
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ 694,750	$ 694,750	$ 694,750	$ 694,750	$ 694,750	$ 694,750	$ 694,750	$ 694,750	$ 694,750	$ 694,750	$ 694,750	$ 694,750
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 13,705,574	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 680,141	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 1,996,357	$ 1,645,796	$ 1,645,796	$ 1,645,796	$ 1,645,796	$ 1,645,796	$ 1,645,796	$ 16,031,510	$ 1,645,796	$ 1,645,796	$ 1,645,796	$ 1,645,796
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ (126,678)	$ (126,678)	$ (126,678)	$ (126,678)	$ (126,678)	$ (126,678)	$ (126,678)	$ (126,678)	$ (126,678)	$ (126,678)	$ (126,678)	$ (126,678)
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ (182,620)	$ (182,620)	$ (182,620)	$ (182,620)	$ (182,620)	$ (182,620)	$ (182,620)	$ (182,620)	$ (182,620)	$ (182,620)	$ (182,620)	$ (182,620)
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (443,131)	$ (443,131)	$ (443,131)	$ (443,131)	$ (443,131)	$ (443,131)	$ (443,131)	$ (443,131)	$ (443,131)	$ (443,131)	$ (443,131)	$ (443,131)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 1,996,357	$ 1,645,796	$ 1,645,796	$ 1,645,796	$ 1,645,796	$ 1,645,796	$ 1,645,796	$ 16,031,510	$ 1,645,796	$ 1,645,796	$ 1,645,796	$ 1,645,796
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (443,131)	$ (443,131)	$ (443,131)	$ (443,131)	$ (443,131)	$ (443,131)	$ (443,131)	$ (443,131)	$ (443,131)	$ (443,131)	$ (443,131)	$ (443,131)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ 1,553,226	$ 1,202,665	$ 1,202,665	$ 1,202,665	$ 1,202,665	$ 1,202,665	$ 1,202,665	$ 15,588,379	$ 1,202,665	$ 1,202,665	$ 1,202,665	$ 1,202,665
Projected Cummulative Cashflow																
Cummulative Revenues					$ 240,168,876	$ 241,814,672	$ 243,460,468	$ 245,106,264	$ 246,752,060	$ 248,397,856	$ 250,043,653	$ 266,075,163	$ 267,720,959	$ 269,366,755	$ 271,012,551	$ 272,658,347
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (451,124,514)	$ (451,567,645)	$ (452,010,777)	$ (452,453,908)	$ (452,897,040)	$ (453,340,171)	$ (453,783,303)	$ (454,226,434)	$ (454,669,566)	$ (455,112,697)	$ (455,555,829)	$ (455,998,960)
Subtotal		10/2013	12/2057	531	**$ (210,955,638)**	**$ (209,752,973)**	**$ (208,550,309)**	**$ (207,347,644)**	**$ (206,144,979)**	**$ (204,942,315)**	**$ (203,739,650)**	**$ (188,151,271)**	**$ (186,948,607)**	**$ (185,745,942)**	**$ (184,543,277)**	**$ (183,340,613)**

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)
Project Distance: 57.3 Mi
CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2027 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 519,526	$ 519,526	$ 519,526	$ 519,526	$ 519,526	$ 519,526	$ 519,526	$ 519,526	$ 519,526	$ 519,526	$ 519,526	$ 519,526
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 355,335	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ 475,083	$ 475,083	$ 475,083	$ 475,083	$ 475,083	$ 475,083	$ 475,083	$ 475,083	$ 475,083	$ 475,083	$ 475,083	$ 475,083
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ 736,750	$ 736,750	$ 736,750	$ 736,750	$ 736,750	$ 736,750	$ 736,750	$ 736,750	$ 736,750	$ 736,750	$ 736,750	$ 736,750
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 13,705,574	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 680,141	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 2,086,694	$ 1,731,359	$ 1,731,359	$ 1,731,359	$ 1,731,359	$ 1,731,359	$ 1,731,359	$ 16,117,073	$ 1,731,359	$ 1,731,359	$ 1,731,359	$ 1,731,359
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ (134,111)	$ (134,111)	$ (134,111)	$ (134,111)	$ (134,111)	$ (134,111)	$ (134,111)	$ (134,111)	$ (134,111)	$ (134,111)	$ (134,111)	$ (134,111)
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ (192,895)	$ (192,895)	$ (192,895)	$ (192,895)	$ (192,895)	$ (192,895)	$ (192,895)	$ (192,895)	$ (192,895)	$ (192,895)	$ (192,895)	$ (192,895)
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (460,840)	$ (460,840)	$ (460,840)	$ (460,840)	$ (460,840)	$ (460,840)	$ (460,840)	$ (460,840)	$ (460,840)	$ (460,840)	$ (460,840)	$ (460,840)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 2,086,694	$ 1,731,359	$ 1,731,359	$ 1,731,359	$ 1,731,359	$ 1,731,359	$ 1,731,359	$ 16,117,073	$ 1,731,359	$ 1,731,359	$ 1,731,359	$ 1,731,359
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (460,840)	$ (460,840)	$ (460,840)	$ (460,840)	$ (460,840)	$ (460,840)	$ (460,840)	$ (460,840)	$ (460,840)	$ (460,840)	$ (460,840)	$ (460,840)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ 1,625,855	$ 1,270,520	$ 1,270,520	$ 1,270,520	$ 1,270,520	$ 1,270,520	$ 1,270,520	$ 15,656,234	$ 1,270,520	$ 1,270,520	$ 1,270,520	$ 1,270,520
Projected Cummulative Cashflow																
Cummulative Revenues					$ 274,745,042	$ 276,476,401	$ 278,207,760	$ 279,939,120	$ 281,670,479	$ 283,401,838	$ 285,133,198	$ 301,250,271	$ 302,981,631	$ 304,712,990	$ 306,444,349	$ 308,175,708
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (456,459,800)	$ (456,920,640)	$ (457,381,479)	$ (457,842,319)	$ (458,303,159)	$ (458,763,999)	$ (459,224,838)	$ (459,685,678)	$ (460,146,518)	$ (460,607,358)	$ (461,068,197)	$ (461,529,037)
Subtotal		10/2013	12/2057	531	**$ (181,714,758)**	**$ (180,444,238)**	**$ (179,173,719)**	**$ (177,903,199)**	**$ (176,632,680)**	**$ (175,362,160)**	**$ (174,091,641)**	**$ (158,435,407)**	**$ (157,164,887)**	**$ (155,894,368)**	**$ (154,623,848)**	**$ (153,353,329)**

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)
Project Distance: 57.3 Mi
CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2028 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 526,491	$ 526,491	$ 526,491	$ 526,491	$ 526,491	$ 526,491	$ 526,491	$ 526,491	$ 526,491	$ 526,491	$ 526,491	$ 526,491
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 360,099	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ 509,417	$ 509,417	$ 509,417	$ 509,417	$ 509,417	$ 509,417	$ 509,417	$ 509,417	$ 509,417	$ 509,417	$ 509,417	$ 509,417
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ 887,167	$ 887,167	$ 887,167	$ 887,167	$ 887,167	$ 887,167	$ 887,167	$ 887,167	$ 887,167	$ 887,167	$ 887,167	$ 887,167
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 13,705,574	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 680,141	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 2,283,172	$ 1,923,074	$ 1,923,074	$ 1,923,074	$ 1,923,074	$ 1,923,074	$ 1,923,074	$ 16,308,788	$ 1,923,074	$ 1,923,074	$ 1,923,074	$ 1,923,074
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ (860,308)	$ (860,308)	$ (860,308)	$ (860,308)	$ (860,308)	$ (860,308)	$ (860,308)	$ (860,308)	$ (860,308)	$ (860,308)	$ (860,308)	$ (860,308)
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ (213,561)	$ (213,561)	$ (213,561)	$ (213,561)	$ (213,561)	$ (213,561)	$ (213,561)	$ (213,561)	$ (213,561)	$ (213,561)	$ (213,561)	$ (213,561)
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (1,207,703)	$ (1,207,703)	$ (1,207,703)	$ (1,207,703)	$ (1,207,703)	$ (1,207,703)	$ (1,207,703)	$ (1,207,703)	$ (1,207,703)	$ (1,207,703)	$ (1,207,703)	$ (1,207,703)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 2,283,172	$ 1,923,074	$ 1,923,074	$ 1,923,074	$ 1,923,074	$ 1,923,074	$ 1,923,074	$ 16,308,788	$ 1,923,074	$ 1,923,074	$ 1,923,074	$ 1,923,074
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (1,207,703)	$ (1,207,703)	$ (1,207,703)	$ (1,207,703)	$ (1,207,703)	$ (1,207,703)	$ (1,207,703)	$ (1,207,703)	$ (1,207,703)	$ (1,207,703)	$ (1,207,703)	$ (1,207,703)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ 1,075,470	$ 715,371	$ 715,371	$ 715,371	$ 715,371	$ 715,371	$ 715,371	$ 15,101,085	$ 715,371	$ 715,371	$ 715,371	$ 715,371
Projected Cummulative Cashflow																
Cummulative Revenues					$ 310,458,881	$ 312,381,955	$ 314,305,029	$ 316,228,103	$ 318,151,177	$ 320,074,250	$ 321,997,324	$ 338,306,112	$ 340,229,186	$ 342,152,260	$ 344,075,334	$ 345,998,408
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (462,736,740)	$ (463,944,442)	$ (465,152,145)	$ (466,359,848)	$ (467,567,551)	$ (468,775,253)	$ (469,982,956)	$ (471,190,659)	$ (472,398,362)	$ (473,606,064)	$ (474,813,767)	$ (476,021,470)
Subtotal		10/2013	12/2057	531	**$ (152,277,859)**	**$ (151,562,488)**	**$ (150,847,116)**	**$ (150,131,745)**	**$ (149,416,374)**	**$ (148,701,003)**	**$ (147,985,632)**	**$ (132,884,546)**	**$ (132,169,175)**	**$ (131,453,804)**	**$ (130,738,433)**	**$ (130,023,062)**

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)
Project Distance: 57.3 Mi
CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2029 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 533,460	$ 533,460	$ 533,460	$ 533,460	$ 533,460	$ 533,460	$ 533,460	$ 533,460	$ 533,460	$ 533,460	$ 533,460	$ 533,460
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 364,865	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ 545,833	$ 545,833	$ 545,833	$ 545,833	$ 545,833	$ 545,833	$ 545,833	$ 545,833	$ 545,833	$ 545,833	$ 545,833	$ 545,833
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ 1,060,250	$ 1,060,250	$ 1,060,250	$ 1,060,250	$ 1,060,250	$ 1,060,250	$ 1,060,250	$ 1,060,250	$ 1,060,250	$ 1,060,250	$ 1,060,250	$ 1,060,250
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 2,504,409	$ 2,139,543	$ 2,139,543	$ 2,139,543	$ 2,139,543	$ 2,139,543	$ 2,139,543	$ 2,139,543	$ 2,139,543	$ 2,139,543	$ 2,139,543	$ 2,139,543
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ (142,643)	$ (142,643)	$ (142,643)	$ (142,643)	$ (142,643)	$ (142,643)	$ (142,643)	$ (142,643)	$ (142,643)	$ (142,643)	$ (142,643)	$ (142,643)
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ (267,433)	$ (267,433)	$ (267,433)	$ (267,433)	$ (267,433)	$ (267,433)	$ (267,433)	$ (267,433)	$ (267,433)	$ (267,433)	$ (267,433)	$ (267,433)
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (543,910)	$ (543,910)	$ (543,910)	$ (543,910)	$ (543,910)	$ (543,910)	$ (543,910)	$ (543,910)	$ (543,910)	$ (543,910)	$ (543,910)	$ (543,910)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 2,504,409	$ 2,139,543	$ 2,139,543	$ 2,139,543	$ 2,139,543	$ 2,139,543	$ 2,139,543	$ 2,139,543	$ 2,139,543	$ 2,139,543	$ 2,139,543	$ 2,139,543
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (543,910)	$ (543,910)	$ (543,910)	$ (543,910)	$ (543,910)	$ (543,910)	$ (543,910)	$ (543,910)	$ (543,910)	$ (543,910)	$ (543,910)	$ (543,910)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ 1,960,499	$ 1,595,633	$ 1,595,633	$ 1,595,633	$ 1,595,633	$ 1,595,633	$ 1,595,633	$ 1,595,633	$ 1,595,633	$ 1,595,633	$ 1,595,633	$ 1,595,633
Projected Cummulative Cashflow																
Cummulative Revenues					$ 348,502,816	$ 350,642,360	$ 352,781,903	$ 354,921,446	$ 357,060,989	$ 359,200,533	$ 361,340,076	$ 363,479,619	$ 365,619,162	$ 367,758,705	$ 369,898,249	$ 372,037,792
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (476,565,380)	$ (477,109,289)	$ (477,653,199)	$ (478,197,109)	$ (478,741,019)	$ (479,284,929)	$ (479,828,839)	$ (480,372,749)	$ (480,916,658)	$ (481,460,568)	$ (482,004,478)	$ (482,548,388)
Subtotal		10/2013	12/2057	531	**$ (128,062,563)**	**$ (126,466,930)**	**$ (124,871,296)**	**$ (123,275,663)**	**$ (121,680,030)**	**$ (120,084,396)**	**$ (118,488,763)**	**$ (116,893,130)**	**$ (115,297,496)**	**$ (113,701,863)**	**$ (112,106,230)**	**$ (110,510,596)**

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)
Project Distance: 57.3 Mi
CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2030 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 540,401	$ 540,401	$ 540,401	$ 540,401	$ 540,401	$ 540,401	$ 540,401	$ 540,401	$ 540,401	$ 540,401	$ 540,401	$ 540,401
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 369,613	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ 579,500	$ 579,500	$ 579,500	$ 579,500	$ 579,500	$ 579,500	$ 579,500	$ 579,500	$ 579,500	$ 579,500	$ 579,500	$ 579,500
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ 1,123,750	$ 1,123,750	$ 1,123,750	$ 1,123,750	$ 1,123,750	$ 1,123,750	$ 1,123,750	$ 1,123,750	$ 1,123,750	$ 1,123,750	$ 1,123,750	$ 1,123,750
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 2,613,264	$ 2,243,651	$ 2,243,651	$ 2,243,651	$ 2,243,651	$ 2,243,651	$ 2,243,651	$ 2,243,651	$ 2,243,651	$ 2,243,651	$ 2,243,651	$ 2,243,651
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ (150,584)	$ (150,584)	$ (150,584)	$ (150,584)	$ (150,584)	$ (150,584)	$ (150,584)	$ (150,584)	$ (150,584)	$ (150,584)	$ (150,584)	$ (150,584)
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ (282,270)	$ (282,270)	$ (282,270)	$ (282,270)	$ (282,270)	$ (282,270)	$ (282,270)	$ (282,270)	$ (282,270)	$ (282,270)	$ (282,270)	$ (282,270)
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (566,687)	$ (566,687)	$ (566,687)	$ (566,687)	$ (566,687)	$ (566,687)	$ (566,687)	$ (566,687)	$ (566,687)	$ (566,687)	$ (566,687)	$ (566,687)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 2,613,264	$ 2,243,651	$ 2,243,651	$ 2,243,651	$ 2,243,651	$ 2,243,651	$ 2,243,651	$ 2,243,651	$ 2,243,651	$ 2,243,651	$ 2,243,651	$ 2,243,651
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (566,687)	$ (566,687)	$ (566,687)	$ (566,687)	$ (566,687)	$ (566,687)	$ (566,687)	$ (566,687)	$ (566,687)	$ (566,687)	$ (566,687)	$ (566,687)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ 2,046,577	$ 1,676,964	$ 1,676,964	$ 1,676,964	$ 1,676,964	$ 1,676,964	$ 1,676,964	$ 1,676,964	$ 1,676,964	$ 1,676,964	$ 1,676,964	$ 1,676,964
Projected Cummulative Cashflow																
Cummulative Revenues					$ 374,651,056	$ 376,894,707	$ 379,138,359	$ 381,382,010	$ 383,625,661	$ 385,869,313	$ 388,112,964	$ 390,356,615	$ 392,600,266	$ 394,843,918	$ 397,087,569	$ 399,331,220
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (483,115,075)	$ (483,681,762)	$ (484,248,449)	$ (484,815,135)	$ (485,381,822)	$ (485,948,509)	$ (486,515,196)	$ (487,081,883)	$ (487,648,570)	$ (488,215,256)	$ (488,781,943)	$ (489,348,630)
Subtotal		10/2013	12/2057	531	**$ (108,464,019)**	**$ (106,787,054)**	**$ (105,110,090)**	**$ (103,433,125)**	**$ (101,756,161)**	**$ (100,079,196)**	**$ (98,402,232)**	**$ (96,725,268)**	**$ (95,048,303)**	**$ (93,371,339)**	**$ (91,694,374)**	**$ (90,017,410)**

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)
Project Distance: 57.3 Mi
CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2031 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 547,353	$ 547,353	$ 547,353	$ 547,353	$ 547,353	$ 547,353	$ 547,353	$ 547,353	$ 547,353	$ 547,353	$ 547,353	$ 547,353
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 374,367	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ 613,167	$ 613,167	$ 613,167	$ 613,167	$ 613,167	$ 613,167	$ 613,167	$ 613,167	$ 613,167	$ 613,167	$ 613,167	$ 613,167
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ 1,186,917	$ 1,186,917	$ 1,186,917	$ 1,186,917	$ 1,186,917	$ 1,186,917	$ 1,186,917	$ 1,186,917	$ 1,186,917	$ 1,186,917	$ 1,186,917	$ 1,186,917
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 2,721,803	$ 2,347,436	$ 2,347,436	$ 2,347,436	$ 2,347,436	$ 2,347,436	$ 2,347,436	$ 2,347,436	$ 2,347,436	$ 2,347,436	$ 2,347,436	$ 2,347,436
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ (158,918)	$ (158,918)	$ (158,918)	$ (158,918)	$ (158,918)	$ (158,918)	$ (158,918)	$ (158,918)	$ (158,918)	$ (158,918)	$ (158,918)	$ (158,918)
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ (297,798)	$ (297,798)	$ (297,798)	$ (297,798)	$ (297,798)	$ (297,798)	$ (297,798)	$ (297,798)	$ (297,798)	$ (297,798)	$ (297,798)	$ (297,798)
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (590,549)	$ (590,549)	$ (590,549)	$ (590,549)	$ (590,549)	$ (590,549)	$ (590,549)	$ (590,549)	$ (590,549)	$ (590,549)	$ (590,549)	$ (590,549)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 2,721,803	$ 2,347,436	$ 2,347,436	$ 2,347,436	$ 2,347,436	$ 2,347,436	$ 2,347,436	$ 2,347,436	$ 2,347,436	$ 2,347,436	$ 2,347,436	$ 2,347,436
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (590,549)	$ (590,549)	$ (590,549)	$ (590,549)	$ (590,549)	$ (590,549)	$ (590,549)	$ (590,549)	$ (590,549)	$ (590,549)	$ (590,549)	$ (590,549)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ 2,131,254	$ 1,756,887	$ 1,756,887	$ 1,756,887	$ 1,756,887	$ 1,756,887	$ 1,756,887	$ 1,756,887	$ 1,756,887	$ 1,756,887	$ 1,756,887	$ 1,756,887
Projected Cummulative Cashflow																
Cummulative Revenues					$ 402,053,024	$ 404,400,460	$ 406,747,896	$ 409,095,332	$ 411,442,768	$ 413,790,204	$ 416,137,640	$ 418,485,076	$ 420,832,512	$ 423,179,948	$ 425,527,384	$ 427,874,820
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (489,939,179)	$ (490,529,729)	$ (491,120,278)	$ (491,710,828)	$ (492,301,377)	$ (492,891,926)	$ (493,482,476)	$ (494,073,025)	$ (494,663,574)	$ (495,254,124)	$ (495,844,673)	$ (496,435,223)
Subtotal		10/2013	12/2057	531	**$ (87,886,156)**	**$ (86,129,269)**	**$ (84,372,382)**	**$ (82,615,496)**	**$ (80,858,609)**	**$ (79,101,722)**	**$ (77,344,836)**	**$ (75,587,949)**	**$ (73,831,062)**	**$ (72,074,176)**	**$ (70,317,289)**	**$ (68,560,402)**

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)

Project Distance: 57.3 Mi

CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2032 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 554,277	$ 554,277	$ 554,277	$ 554,277	$ 554,277	$ 554,277	$ 554,277	$ 554,277	$ 554,277	$ 554,277	$ 554,277	$ 554,277
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 379,103	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ 648,417	$ 648,417	$ 648,417	$ 648,417	$ 648,417	$ 648,417	$ 648,417	$ 648,417	$ 648,417	$ 648,417	$ 648,417	$ 648,417
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ 1,252,750	$ 1,252,750	$ 1,252,750	$ 1,252,750	$ 1,252,750	$ 1,252,750	$ 1,252,750	$ 1,252,750	$ 1,252,750	$ 1,252,750	$ 1,252,750	$ 1,252,750
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 2,834,547	$ 2,455,443	$ 2,455,443	$ 2,455,443	$ 2,455,443	$ 2,455,443	$ 2,455,443	$ 2,455,443	$ 2,455,443	$ 2,455,443	$ 2,455,443	$ 2,455,443
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ (167,680)	$ (167,680)	$ (167,680)	$ (167,680)	$ (167,680)	$ (167,680)	$ (167,680)	$ (167,680)	$ (167,680)	$ (167,680)	$ (167,680)	$ (167,680)
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ (314,063)	$ (314,063)	$ (314,063)	$ (314,063)	$ (314,063)	$ (314,063)	$ (314,063)	$ (314,063)	$ (314,063)	$ (314,063)	$ (314,063)	$ (314,063)
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (615,576)	$ (615,576)	$ (615,576)	$ (615,576)	$ (615,576)	$ (615,576)	$ (615,576)	$ (615,576)	$ (615,576)	$ (615,576)	$ (615,576)	$ (615,576)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 2,834,547	$ 2,455,443	$ 2,455,443	$ 2,455,443	$ 2,455,443	$ 2,455,443	$ 2,455,443	$ 2,455,443	$ 2,455,443	$ 2,455,443	$ 2,455,443	$ 2,455,443
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (615,576)	$ (615,576)	$ (615,576)	$ (615,576)	$ (615,576)	$ (615,576)	$ (615,576)	$ (615,576)	$ (615,576)	$ (615,576)	$ (615,576)	$ (615,576)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ 2,218,970	$ 1,839,867	$ 1,839,867	$ 1,839,867	$ 1,839,867	$ 1,839,867	$ 1,839,867	$ 1,839,867	$ 1,839,867	$ 1,839,867	$ 1,839,867	$ 1,839,867
Projected Cummulative Cashflow																
Cummulative Revenues					$ 430,709,367	$ 433,164,810	$ 435,620,253	$ 438,075,697	$ 440,531,140	$ 442,986,584	$ 445,442,027	$ 447,897,470	$ 450,352,914	$ 452,808,357	$ 455,263,801	$ 457,719,244
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (497,050,799)	$ (497,666,375)	$ (498,281,952)	$ (498,897,528)	$ (499,513,105)	$ (500,128,681)	$ (500,744,257)	$ (501,359,834)	$ (501,975,410)	$ (502,590,987)	$ (503,206,563)	$ (503,822,140)
Subtotal		10/2013	12/2057	531	**$ (66,341,432)**	**$ (64,501,565)**	**$ (62,661,698)**	**$ (60,821,831)**	**$ (58,981,964)**	**$ (57,142,097)**	**$ (55,302,230)**	**$ (53,462,363)**	**$ (51,622,496)**	**$ (49,782,630)**	**$ (47,942,763)**	**$ (46,102,896)**

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)
Project Distance: 57.3 Mi
CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2033 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 561,179	$ 561,179	$ 561,179	$ 561,179	$ 561,179	$ 561,179	$ 561,179	$ 561,179	$ 561,179	$ 561,179	$ 561,179	$ 561,179
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 383,824	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ 685,333	$ 685,333	$ 685,333	$ 685,333	$ 685,333	$ 685,333	$ 685,333	$ 685,333	$ 685,333	$ 685,333	$ 685,333	$ 685,333
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ 1,321,250	$ 1,321,250	$ 1,321,250	$ 1,321,250	$ 1,321,250	$ 1,321,250	$ 1,321,250	$ 1,321,250	$ 1,321,250	$ 1,321,250	$ 1,321,250	$ 1,321,250
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 2,951,587	$ 2,567,763	$ 2,567,763	$ 2,567,763	$ 2,567,763	$ 2,567,763	$ 2,567,763	$ 2,567,763	$ 2,567,763	$ 2,567,763	$ 2,567,763	$ 2,567,763
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ (793,238)	$ (793,238)	$ (793,238)	$ (793,238)	$ (793,238)	$ (793,238)	$ (793,238)	$ (793,238)	$ (793,238)	$ (793,238)	$ (793,238)	$ (793,238)
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ (2,341,625)	$ (2,341,625)	$ (2,341,625)	$ (2,341,625)	$ (2,341,625)	$ (2,341,625)	$ (2,341,625)	$ (2,341,625)	$ (2,341,625)	$ (2,341,625)	$ (2,341,625)	$ (2,341,625)
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (3,268,696)	$ (3,268,696)	$ (3,268,696)	$ (3,268,696)	$ (3,268,696)	$ (3,268,696)	$ (3,268,696)	$ (3,268,696)	$ (3,268,696)	$ (3,268,696)	$ (3,268,696)	$ (3,268,696)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 2,951,587	$ 2,567,763	$ 2,567,763	$ 2,567,763	$ 2,567,763	$ 2,567,763	$ 2,567,763	$ 2,567,763	$ 2,567,763	$ 2,567,763	$ 2,567,763	$ 2,567,763
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (3,268,696)	$ (3,268,696)	$ (3,268,696)	$ (3,268,696)	$ (3,268,696)	$ (3,268,696)	$ (3,268,696)	$ (3,268,696)	$ (3,268,696)	$ (3,268,696)	$ (3,268,696)	$ (3,268,696)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ (317,110)	$ (700,934)	$ (700,934)	$ (700,934)	$ (700,934)	$ (700,934)	$ (700,934)	$ (700,934)	$ (700,934)	$ (700,934)	$ (700,934)	$ (700,934)
Projected Cummulative Cashflow																
Cummulative Revenues					$ 460,670,831	$ 463,238,593	$ 465,806,356	$ 468,374,118	$ 470,941,881	$ 473,509,643	$ 476,077,406	$ 478,645,168	$ 481,212,931	$ 483,780,693	$ 486,348,456	$ 488,916,218
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (507,090,836)	$ (510,359,532)	$ (513,628,228)	$ (516,896,925)	$ (520,165,621)	$ (523,434,317)	$ (526,703,014)	$ (529,971,710)	$ (533,240,406)	$ (536,509,103)	$ (539,777,799)	$ (543,046,495)
Subtotal		10/2013	12/2057	531	**$ (46,420,005)**	**$ (47,120,939)**	**$ (47,821,873)**	**$ (48,522,807)**	**$ (49,223,740)**	**$ (49,924,674)**	**$ (50,625,608)**	**$ (51,326,542)**	**$ (52,027,476)**	**$ (52,728,409)**	**$ (53,429,343)**	**$ (54,130,277)**

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)

Project Distance: 57.3 Mi

CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2034 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 568,036	$ 568,036	$ 568,036	$ 568,036	$ 568,036	$ 568,036	$ 568,036	$ 568,036	$ 568,036	$ 568,036	$ 568,036	$ 568,036
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 388,514	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ 724,083	$ 724,083	$ 724,083	$ 724,083	$ 724,083	$ 724,083	$ 724,083	$ 724,083	$ 724,083	$ 724,083	$ 724,083	$ 724,083
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ 1,392,667	$ 1,392,667	$ 1,392,667	$ 1,392,667	$ 1,392,667	$ 1,392,667	$ 1,392,667	$ 1,392,667	$ 1,392,667	$ 1,392,667	$ 1,392,667	$ 1,392,667
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 3,073,301	$ 2,684,786	$ 2,684,786	$ 2,684,786	$ 2,684,786	$ 2,684,786	$ 2,684,786	$ 2,684,786	$ 2,684,786	$ 2,684,786	$ 2,684,786	$ 2,684,786
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ (186,555)	$ (186,555)	$ (186,555)	$ (186,555)	$ (186,555)	$ (186,555)	$ (186,555)	$ (186,555)	$ (186,555)	$ (186,555)	$ (186,555)	$ (186,555)
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ (348,933)	$ (348,933)	$ (348,933)	$ (348,933)	$ (348,933)	$ (348,933)	$ (348,933)	$ (348,933)	$ (348,933)	$ (348,933)	$ (348,933)	$ (348,933)
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (669,321)	$ (669,321)	$ (669,321)	$ (669,321)	$ (669,321)	$ (669,321)	$ (669,321)	$ (669,321)	$ (669,321)	$ (669,321)	$ (669,321)	$ (669,321)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 3,073,301	$ 2,684,786	$ 2,684,786	$ 2,684,786	$ 2,684,786	$ 2,684,786	$ 2,684,786	$ 2,684,786	$ 2,684,786	$ 2,684,786	$ 2,684,786	$ 2,684,786
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (669,321)	$ (669,321)	$ (669,321)	$ (669,321)	$ (669,321)	$ (669,321)	$ (669,321)	$ (669,321)	$ (669,321)	$ (669,321)	$ (669,321)	$ (669,321)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ 2,403,980	$ 2,015,465	$ 2,015,465	$ 2,015,465	$ 2,015,465	$ 2,015,465	$ 2,015,465	$ 2,015,465	$ 2,015,465	$ 2,015,465	$ 2,015,465	$ 2,015,465
Projected Cummulative Cashflow																
Cummulative Revenues					$ 491,989,519	$ 494,674,305	$ 497,359,091	$ 500,043,878	$ 502,728,664	$ 505,413,450	$ 508,098,237	$ 510,783,023	$ 513,467,809	$ 516,152,596	$ 518,837,382	$ 521,522,168
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (543,715,816)	$ (544,385,137)	$ (545,054,458)	$ (545,723,779)	$ (546,393,099)	$ (547,062,420)	$ (547,731,741)	$ (548,401,062)	$ (549,070,383)	$ (549,739,704)	$ (550,409,025)	$ (551,078,346)
Subtotal		10/2013	12/2057	531	**$ (51,726,297)**	**$ (49,710,832)**	**$ (47,695,366)**	**$ (45,679,901)**	**$ (43,664,435)**	**$ (41,648,970)**	**$ (39,633,505)**	**$ (37,618,039)**	**$ (35,602,574)**	**$ (33,587,108)**	**$ (31,571,643)**	**$ (29,556,177)**

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)

Project Distance: 57.3 Mi

CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2035 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 574,868	$ 574,868	$ 574,868	$ 574,868	$ 574,868	$ 574,868	$ 574,868	$ 574,868	$ 574,868	$ 574,868	$ 574,868	$ 574,868
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 393,187	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ 764,583	$ 764,583	$ 764,583	$ 764,583	$ 764,583	$ 764,583	$ 764,583	$ 764,583	$ 764,583	$ 764,583	$ 764,583	$ 764,583
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ 1,467,000	$ 1,467,000	$ 1,467,000	$ 1,467,000	$ 1,467,000	$ 1,467,000	$ 1,467,000	$ 1,467,000	$ 1,467,000	$ 1,467,000	$ 1,467,000	$ 1,467,000
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 3,199,638	$ 2,806,452	$ 2,806,452	$ 2,806,452	$ 2,806,452	$ 2,806,452	$ 2,806,452	$ 2,806,452	$ 2,806,452	$ 2,806,452	$ 2,806,452	$ 2,806,452
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ (196,709)	$ (196,709)	$ (196,709)	$ (196,709)	$ (196,709)	$ (196,709)	$ (196,709)	$ (196,709)	$ (196,709)	$ (196,709)	$ (196,709)	$ (196,709)
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ (367,607)	$ (367,607)	$ (367,607)	$ (367,607)	$ (367,607)	$ (367,607)	$ (367,607)	$ (367,607)	$ (367,607)	$ (367,607)	$ (367,607)	$ (367,607)
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (698,150)	$ (698,150)	$ (698,150)	$ (698,150)	$ (698,150)	$ (698,150)	$ (698,150)	$ (698,150)	$ (698,150)	$ (698,150)	$ (698,150)	$ (698,150)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 3,199,638	$ 2,806,452	$ 2,806,452	$ 2,806,452	$ 2,806,452	$ 2,806,452	$ 2,806,452	$ 2,806,452	$ 2,806,452	$ 2,806,452	$ 2,806,452	$ 2,806,452
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (698,150)	$ (698,150)	$ (698,150)	$ (698,150)	$ (698,150)	$ (698,150)	$ (698,150)	$ (698,150)	$ (698,150)	$ (698,150)	$ (698,150)	$ (698,150)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ 2,501,489	$ 2,108,302	$ 2,108,302	$ 2,108,302	$ 2,108,302	$ 2,108,302	$ 2,108,302	$ 2,108,302	$ 2,108,302	$ 2,108,302	$ 2,108,302	$ 2,108,302
Projected Cummulative Cashflow																
Cummulative Revenues					$ 524,721,807	$ 527,528,258	$ 530,334,710	$ 533,141,161	$ 535,947,613	$ 538,754,064	$ 541,560,516	$ 544,366,967	$ 547,173,419	$ 549,979,871	$ 552,786,322	$ 555,592,774
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (551,776,495)	$ (552,474,645)	$ (553,172,795)	$ (553,870,944)	$ (554,569,094)	$ (555,267,244)	$ (555,965,394)	$ (556,663,543)	$ (557,361,693)	$ (558,059,843)	$ (558,757,992)	$ (559,456,142)
Subtotal		10/2013	12/2057	531	**$ (27,054,688)**	**$ (24,946,387)**	**$ (22,838,085)**	**$ (20,729,783)**	**$ (18,621,481)**	**$ (16,513,179)**	**$ (14,404,878)**	**$ (12,296,576)**	**$ (10,188,274)**	**$ (8,079,972)**	**$ (5,971,670)**	**$ (3,863,369)**

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)
Project Distance: 57.3 Mi
CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2036 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 581,671	$ 581,671	$ 581,671	$ 581,671	$ 581,671	$ 581,671	$ 581,671	$ 581,671	$ 581,671	$ 581,671	$ 581,671	$ 581,671
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 397,840	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ 807,000	$ 807,000	$ 807,000	$ 807,000	$ 807,000	$ 807,000	$ 807,000	$ 807,000	$ 807,000	$ 807,000	$ 807,000	$ 807,000
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ 1,544,333	$ 1,544,333	$ 1,544,333	$ 1,544,333	$ 1,544,333	$ 1,544,333	$ 1,544,333	$ 1,544,333	$ 1,544,333	$ 1,544,333	$ 1,544,333	$ 1,544,333
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 3,330,844	$ 2,933,004	$ 2,933,004	$ 2,933,004	$ 2,933,004	$ 2,933,004	$ 2,933,004	$ 2,933,004	$ 2,933,004	$ 2,933,004	$ 2,933,004	$ 2,933,004
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ (207,360)	$ (207,360)	$ (207,360)	$ (207,360)	$ (207,360)	$ (207,360)	$ (207,360)	$ (207,360)	$ (207,360)	$ (207,360)	$ (207,360)	$ (207,360)
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ (387,139)	$ (387,139)	$ (387,139)	$ (387,139)	$ (387,139)	$ (387,139)	$ (387,139)	$ (387,139)	$ (387,139)	$ (387,139)	$ (387,139)	$ (387,139)
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (728,332)	$ (728,332)	$ (728,332)	$ (728,332)	$ (728,332)	$ (728,332)	$ (728,332)	$ (728,332)	$ (728,332)	$ (728,332)	$ (728,332)	$ (728,332)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 3,330,844	$ 2,933,004	$ 2,933,004	$ 2,933,004	$ 2,933,004	$ 2,933,004	$ 2,933,004	$ 2,933,004	$ 2,933,004	$ 2,933,004	$ 2,933,004	$ 2,933,004
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (728,332)	$ (728,332)	$ (728,332)	$ (728,332)	$ (728,332)	$ (728,332)	$ (728,332)	$ (728,332)	$ (728,332)	$ (728,332)	$ (728,332)	$ (728,332)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ 2,602,512	$ 2,204,672	$ 2,204,672	$ 2,204,672	$ 2,204,672	$ 2,204,672	$ 2,204,672	$ 2,204,672	$ 2,204,672	$ 2,204,672	$ 2,204,672	$ 2,204,672
Projected Cummulative Cashflow																
Cummulative Revenues					$ 558,923,618	$ 561,856,622	$ 564,789,627	$ 567,722,631	$ 570,655,636	$ 573,588,640	$ 576,521,645	$ 579,454,649	$ 582,387,654	$ 585,320,658	$ 588,253,662	$ 591,186,667
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (560,184,474)	$ (560,912,807)	$ (561,641,139)	$ (562,369,471)	$ (563,097,803)	$ (563,826,136)	$ (564,554,468)	$ (565,282,800)	$ (566,011,132)	$ (566,739,465)	$ (567,467,797)	$ (568,196,129)
Subtotal		10/2013	12/2057	531	**$ (1,260,856)**	**$ 943,816**	**$ 3,148,488**	**$ 5,353,160**	**$ 7,557,832**	**$ 9,762,505**	**$ 11,967,177**	**$ 14,171,849**	**$ 16,376,521**	**$ 18,581,193**	**$ 20,785,866**	**$ 22,990,538**

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)
Project Distance: 57.3 Mi
CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2037 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 588,476	$ 588,476	$ 588,476	$ 588,476	$ 588,476	$ 588,476	$ 588,476	$ 588,476	$ 588,476	$ 588,476	$ 588,476	$ 588,476
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 402,494	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ 851,333	$ 851,333	$ 851,333	$ 851,333	$ 851,333	$ 851,333	$ 851,333	$ 851,333	$ 851,333	$ 851,333	$ 851,333	$ 851,333
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ 1,624,833	$ 1,624,833	$ 1,624,833	$ 1,624,833	$ 1,624,833	$ 1,624,833	$ 1,624,833	$ 1,624,833	$ 1,624,833	$ 1,624,833	$ 1,624,833	$ 1,624,833
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 3,467,137	$ 3,064,643	$ 3,064,643	$ 3,064,643	$ 3,064,643	$ 3,064,643	$ 3,064,643	$ 3,064,643	$ 3,064,643	$ 3,064,643	$ 3,064,643	$ 3,064,643
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ (218,548)	$ (218,548)	$ (218,548)	$ (218,548)	$ (218,548)	$ (218,548)	$ (218,548)	$ (218,548)	$ (218,548)	$ (218,548)	$ (218,548)	$ (218,548)
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ (407,582)	$ (407,582)	$ (407,582)	$ (407,582)	$ (407,582)	$ (407,582)	$ (407,582)	$ (407,582)	$ (407,582)	$ (407,582)	$ (407,582)	$ (407,582)
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (759,964)	$ (759,964)	$ (759,964)	$ (759,964)	$ (759,964)	$ (759,964)	$ (759,964)	$ (759,964)	$ (759,964)	$ (759,964)	$ (759,964)	$ (759,964)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 3,467,137	$ 3,064,643	$ 3,064,643	$ 3,064,643	$ 3,064,643	$ 3,064,643	$ 3,064,643	$ 3,064,643	$ 3,064,643	$ 3,064,643	$ 3,064,643	$ 3,064,643
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (759,964)	$ (759,964)	$ (759,964)	$ (759,964)	$ (759,964)	$ (759,964)	$ (759,964)	$ (759,964)	$ (759,964)	$ (759,964)	$ (759,964)	$ (759,964)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ 2,707,173	$ 2,304,679	$ 2,304,679	$ 2,304,679	$ 2,304,679	$ 2,304,679	$ 2,304,679	$ 2,304,679	$ 2,304,679	$ 2,304,679	$ 2,304,679	$ 2,304,679
Projected Cummulative Cashflow																
Cummulative Revenues					$ 594,653,804	$ 597,718,447	$ 600,783,089	$ 603,847,732	$ 606,912,375	$ 609,977,018	$ 613,041,661	$ 616,106,304	$ 619,170,946	$ 622,235,589	$ 625,300,232	$ 628,364,875
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (568,956,093)	$ (569,716,056)	$ (570,476,020)	$ (571,235,984)	$ (571,995,947)	$ (572,755,911)	$ (573,515,874)	$ (574,275,838)	$ (575,035,802)	$ (575,795,765)	$ (576,555,729)	$ (577,315,693)
Subtotal		10/2013	12/2057	531	**$ 25,697,711**	**$ 28,002,390**	**$ 30,307,070**	**$ 32,611,749**	**$ 34,916,428**	**$ 37,221,107**	**$ 39,525,786**	**$ 41,830,465**	**$ 44,135,145**	**$ 46,439,824**	**$ 48,744,503**	**$ 51,049,182**

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)
Project Distance: 57.3 Mi
CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2038 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 595,339	$ 595,339	$ 595,339	$ 595,339	$ 595,339	$ 595,339	$ 595,339	$ 595,339	$ 595,339	$ 595,339	$ 595,339	$ 595,339
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 407,188	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ 897,667	$ 897,667	$ 897,667	$ 897,667	$ 897,667	$ 897,667	$ 897,667	$ 897,667	$ 897,667	$ 897,667	$ 897,667	$ 897,667
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ 1,708,667	$ 1,708,667	$ 1,708,667	$ 1,708,667	$ 1,708,667	$ 1,708,667	$ 1,708,667	$ 1,708,667	$ 1,708,667	$ 1,708,667	$ 1,708,667	$ 1,708,667
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 3,608,860	$ 3,201,672	$ 3,201,672	$ 3,201,672	$ 3,201,672	$ 3,201,672	$ 3,201,672	$ 3,201,672	$ 3,201,672	$ 3,201,672	$ 3,201,672	$ 3,201,672
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ (1,194,748)	$ (1,194,748)	$ (1,194,748)	$ (1,194,748)	$ (1,194,748)	$ (1,194,748)	$ (1,194,748)	$ (1,194,748)	$ (1,194,748)	$ (1,194,748)	$ (1,194,748)	$ (1,194,748)
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ (411,043)	$ (411,043)	$ (411,043)	$ (411,043)	$ (411,043)	$ (411,043)	$ (411,043)	$ (411,043)	$ (411,043)	$ (411,043)	$ (411,043)	$ (411,043)
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (1,739,624)	$ (1,739,624)	$ (1,739,624)	$ (1,739,624)	$ (1,739,624)	$ (1,739,624)	$ (1,739,624)	$ (1,739,624)	$ (1,739,624)	$ (1,739,624)	$ (1,739,624)	$ (1,739,624)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 3,608,860	$ 3,201,672	$ 3,201,672	$ 3,201,672	$ 3,201,672	$ 3,201,672	$ 3,201,672	$ 3,201,672	$ 3,201,672	$ 3,201,672	$ 3,201,672	$ 3,201,672
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (1,739,624)	$ (1,739,624)	$ (1,739,624)	$ (1,739,624)	$ (1,739,624)	$ (1,739,624)	$ (1,739,624)	$ (1,739,624)	$ (1,739,624)	$ (1,739,624)	$ (1,739,624)	$ (1,739,624)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ 1,869,235	$ 1,462,048	$ 1,462,048	$ 1,462,048	$ 1,462,048	$ 1,462,048	$ 1,462,048	$ 1,462,048	$ 1,462,048	$ 1,462,048	$ 1,462,048	$ 1,462,048
Projected Cummulative Cashflow																
Cummulative Revenues					$ 631,973,734	$ 635,175,406	$ 638,377,078	$ 641,578,750	$ 644,780,422	$ 647,982,094	$ 651,183,766	$ 654,385,438	$ 657,587,110	$ 660,788,781	$ 663,990,453	$ 667,192,125
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (579,055,317)	$ (580,794,941)	$ (582,534,565)	$ (584,274,190)	$ (586,013,814)	$ (587,753,438)	$ (589,493,062)	$ (591,232,687)	$ (592,972,311)	$ (594,711,935)	$ (596,451,559)	$ (598,191,183)
Subtotal		10/2013	12/2057	531	**$ 52,918,418**	**$ 54,380,465**	**$ 55,842,513**	**$ 57,304,561**	**$ 58,766,608**	**$ 60,228,656**	**$ 61,690,703**	**$ 63,152,751**	**$ 64,614,799**	**$ 66,076,846**	**$ 67,538,894**	**$ 69,000,942**

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)

Project Distance: 57.3 Mi

CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2039 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 602,133	$ 602,133	$ 602,133	$ 602,133	$ 602,133	$ 602,133	$ 602,133	$ 602,133	$ 602,133	$ 602,133	$ 602,133	$ 602,133
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 411,835	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ 946,167	$ 946,167	$ 946,167	$ 946,167	$ 946,167	$ 946,167	$ 946,167	$ 946,167	$ 946,167	$ 946,167	$ 946,167	$ 946,167
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ 1,795,833	$ 1,795,833	$ 1,795,833	$ 1,795,833	$ 1,795,833	$ 1,795,833	$ 1,795,833	$ 1,795,833	$ 1,795,833	$ 1,795,833	$ 1,795,833	$ 1,795,833
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 3,755,967	$ 3,344,133	$ 3,344,133	$ 3,344,133	$ 3,344,133	$ 3,344,133	$ 3,344,133	$ 3,344,133	$ 3,344,133	$ 3,344,133	$ 3,344,133	$ 3,344,133
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ (231,262)	$ (231,262)	$ (231,262)	$ (231,262)	$ (231,262)	$ (231,262)	$ (231,262)	$ (231,262)	$ (231,262)	$ (231,262)	$ (231,262)	$ (231,262)
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ (432,616)	$ (432,616)	$ (432,616)	$ (432,616)	$ (432,616)	$ (432,616)	$ (432,616)	$ (432,616)	$ (432,616)	$ (432,616)	$ (432,616)	$ (432,616)
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (797,711)	$ (797,711)	$ (797,711)	$ (797,711)	$ (797,711)	$ (797,711)	$ (797,711)	$ (797,711)	$ (797,711)	$ (797,711)	$ (797,711)	$ (797,711)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 3,755,967	$ 3,344,133	$ 3,344,133	$ 3,344,133	$ 3,344,133	$ 3,344,133	$ 3,344,133	$ 3,344,133	$ 3,344,133	$ 3,344,133	$ 3,344,133	$ 3,344,133
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (797,711)	$ (797,711)	$ (797,711)	$ (797,711)	$ (797,711)	$ (797,711)	$ (797,711)	$ (797,711)	$ (797,711)	$ (797,711)	$ (797,711)	$ (797,711)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ 2,958,256	$ 2,546,421	$ 2,546,421	$ 2,546,421	$ 2,546,421	$ 2,546,421	$ 2,546,421	$ 2,546,421	$ 2,546,421	$ 2,546,421	$ 2,546,421	$ 2,546,421
Projected Cummulative Cashflow																
Cummulative Revenues					$ 670,948,092	$ 674,292,225	$ 677,636,357	$ 680,980,490	$ 684,324,622	$ 687,668,755	$ 691,012,887	$ 694,357,020	$ 697,701,153	$ 701,045,285	$ 704,389,418	$ 707,733,550
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (598,988,895)	$ (599,786,606)	$ (600,584,317)	$ (601,382,028)	$ (602,179,739)	$ (602,977,450)	$ (603,775,161)	$ (604,572,872)	$ (605,370,584)	$ (606,168,295)	$ (606,966,006)	$ (607,763,717)
Subtotal		10/2013	12/2057	531	**$ 71,959,198**	**$ 74,505,619**	**$ 77,052,041**	**$ 79,598,462**	**$ 82,144,883**	**$ 84,691,305**	**$ 87,237,726**	**$ 89,784,148**	**$ 92,330,569**	**$ 94,876,990**	**$ 97,423,412**	**$ 99,969,833**

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)
Project Distance: 57.3 Mi
CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2040 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 609,011	$ 609,011	$ 609,011	$ 609,011	$ 609,011	$ 609,011	$ 609,011	$ 609,011	$ 609,011	$ 609,011	$ 609,011	$ 609,011
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 416,539	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ 996,833	$ 996,833	$ 996,833	$ 996,833	$ 996,833	$ 996,833	$ 996,833	$ 996,833	$ 996,833	$ 996,833	$ 996,833	$ 996,833
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ 1,886,500	$ 1,886,500	$ 1,886,500	$ 1,886,500	$ 1,886,500	$ 1,886,500	$ 1,886,500	$ 1,886,500	$ 1,886,500	$ 1,886,500	$ 1,886,500	$ 1,886,500
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 3,908,884	$ 3,492,345	$ 3,492,345	$ 3,492,345	$ 3,492,345	$ 3,492,345	$ 3,492,345	$ 3,492,345	$ 3,492,345	$ 3,492,345	$ 3,492,345	$ 3,492,345
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ (243,680)	$ (243,680)	$ (243,680)	$ (243,680)	$ (243,680)	$ (243,680)	$ (243,680)	$ (243,680)	$ (243,680)	$ (243,680)	$ (243,680)	$ (243,680)
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ (455,169)	$ (455,169)	$ (455,169)	$ (455,169)	$ (455,169)	$ (455,169)	$ (455,169)	$ (455,169)	$ (455,169)	$ (455,169)	$ (455,169)	$ (455,169)
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (832,683)	$ (832,683)	$ (832,683)	$ (832,683)	$ (832,683)	$ (832,683)	$ (832,683)	$ (832,683)	$ (832,683)	$ (832,683)	$ (832,683)	$ (832,683)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 3,908,884	$ 3,492,345	$ 3,492,345	$ 3,492,345	$ 3,492,345	$ 3,492,345	$ 3,492,345	$ 3,492,345	$ 3,492,345	$ 3,492,345	$ 3,492,345	$ 3,492,345
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (832,683)	$ (832,683)	$ (832,683)	$ (832,683)	$ (832,683)	$ (832,683)	$ (832,683)	$ (832,683)	$ (832,683)	$ (832,683)	$ (832,683)	$ (832,683)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ 3,076,201	$ 2,659,662	$ 2,659,662	$ 2,659,662	$ 2,659,662	$ 2,659,662	$ 2,659,662	$ 2,659,662	$ 2,659,662	$ 2,659,662	$ 2,659,662	$ 2,659,662
Projected Cummulative Cashflow																
Cummulative Revenues					$ 711,642,434	$ 715,134,779	$ 718,627,123	$ 722,119,468	$ 725,611,812	$ 729,104,157	$ 732,596,502	$ 736,088,846	$ 739,581,191	$ 743,073,535	$ 746,565,880	$ 750,058,225
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (608,596,400)	$ (609,429,082)	$ (610,261,765)	$ (611,094,447)	$ (611,927,130)	$ (612,759,813)	$ (613,592,495)	$ (614,425,178)	$ (615,257,861)	$ (616,090,543)	$ (616,923,226)	$ (617,755,908)
Subtotal		10/2013	12/2057	531	**$ 103,046,035**	**$ 105,705,697**	**$ 108,365,358**	**$ 111,025,020**	**$ 113,684,682**	**$ 116,344,344**	**$ 119,004,006**	**$ 121,663,668**	**$ 124,323,330**	**$ 126,982,992**	**$ 129,642,654**	**$ 132,302,316**

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)
Project Distance: 57.3 Mi
CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2041 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 615,859	$ 615,859	$ 615,859	$ 615,859	$ 615,859	$ 615,859	$ 615,859	$ 615,859	$ 615,859	$ 615,859	$ 615,859	$ 615,859
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 421,223	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ 1,049,833	$ 1,049,833	$ 1,049,833	$ 1,049,833	$ 1,049,833	$ 1,049,833	$ 1,049,833	$ 1,049,833	$ 1,049,833	$ 1,049,833	$ 1,049,833	$ 1,049,833
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ 1,980,833	$ 1,980,833	$ 1,980,833	$ 1,980,833	$ 1,980,833	$ 1,980,833	$ 1,980,833	$ 1,980,833	$ 1,980,833	$ 1,980,833	$ 1,980,833	$ 1,980,833
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 4,067,749	$ 3,646,526	$ 3,646,526	$ 3,646,526	$ 3,646,526	$ 3,646,526	$ 3,646,526	$ 3,646,526	$ 3,646,526	$ 3,646,526	$ 3,646,526	$ 3,646,526
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ (256,699)	$ (256,699)	$ (256,699)	$ (256,699)	$ (256,699)	$ (256,699)	$ (256,699)	$ (256,699)	$ (256,699)	$ (256,699)	$ (256,699)	$ (256,699)
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ (478,763)	$ (478,763)	$ (478,763)	$ (478,763)	$ (478,763)	$ (478,763)	$ (478,763)	$ (478,763)	$ (478,763)	$ (478,763)	$ (478,763)	$ (478,763)
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (869,296)	$ (869,296)	$ (869,296)	$ (869,296)	$ (869,296)	$ (869,296)	$ (869,296)	$ (869,296)	$ (869,296)	$ (869,296)	$ (869,296)	$ (869,296)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 4,067,749	$ 3,646,526	$ 3,646,526	$ 3,646,526	$ 3,646,526	$ 3,646,526	$ 3,646,526	$ 3,646,526	$ 3,646,526	$ 3,646,526	$ 3,646,526	$ 3,646,526
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (869,296)	$ (869,296)	$ (869,296)	$ (869,296)	$ (869,296)	$ (869,296)	$ (869,296)	$ (869,296)	$ (869,296)	$ (869,296)	$ (869,296)	$ (869,296)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ 3,198,454	$ 2,777,231	$ 2,777,231	$ 2,777,231	$ 2,777,231	$ 2,777,231	$ 2,777,231	$ 2,777,231	$ 2,777,231	$ 2,777,231	$ 2,777,231	$ 2,777,231
Projected Cummulative Cashflow																
Cummulative Revenues					$ 754,125,974	$ 757,772,500	$ 761,419,026	$ 765,065,553	$ 768,712,079	$ 772,358,605	$ 776,005,131	$ 779,651,657	$ 783,298,183	$ 786,944,709	$ 790,591,235	$ 794,237,762
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (618,625,204)	$ (619,494,500)	$ (620,363,795)	$ (621,233,091)	$ (622,102,386)	$ (622,971,682)	$ (623,840,977)	$ (624,710,273)	$ (625,579,568)	$ (626,448,864)	$ (627,318,159)	$ (628,187,455)
Subtotal		10/2013	12/2057	531	**$ 135,500,770**	**$ 138,278,001**	**$ 141,055,231**	**$ 143,832,462**	**$ 146,609,693**	**$ 149,386,923**	**$ 152,164,154**	**$ 154,941,384**	**$ 157,718,615**	**$ 160,495,846**	**$ 163,273,076**	**$ 166,050,307**

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)
Project Distance: 57.3 Mi
CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2042 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 622,667	$ 622,667	$ 622,667	$ 622,667	$ 622,667	$ 622,667	$ 622,667	$ 622,667	$ 622,667	$ 622,667	$ 622,667	$ 622,667
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 425,879	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ 1,105,167	$ 1,105,167	$ 1,105,167	$ 1,105,167	$ 1,105,167	$ 1,105,167	$ 1,105,167	$ 1,105,167	$ 1,105,167	$ 1,105,167	$ 1,105,167	$ 1,105,167
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ 2,078,833	$ 2,078,833	$ 2,078,833	$ 2,078,833	$ 2,078,833	$ 2,078,833	$ 2,078,833	$ 2,078,833	$ 2,078,833	$ 2,078,833	$ 2,078,833	$ 2,078,833
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 4,232,547	$ 3,806,667	$ 3,806,667	$ 3,806,667	$ 3,806,667	$ 3,806,667	$ 3,806,667	$ 3,806,667	$ 3,806,667	$ 3,806,667	$ 3,806,667	$ 3,806,667
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ (270,345)	$ (270,345)	$ (270,345)	$ (270,345)	$ (270,345)	$ (270,345)	$ (270,345)	$ (270,345)	$ (270,345)	$ (270,345)	$ (270,345)	$ (270,345)
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ (503,444)	$ (503,444)	$ (503,444)	$ (503,444)	$ (503,444)	$ (503,444)	$ (503,444)	$ (503,444)	$ (503,444)	$ (503,444)	$ (503,444)	$ (503,444)
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (907,622)	$ (907,622)	$ (907,622)	$ (907,622)	$ (907,622)	$ (907,622)	$ (907,622)	$ (907,622)	$ (907,622)	$ (907,622)	$ (907,622)	$ (907,622)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 4,232,547	$ 3,806,667	$ 3,806,667	$ 3,806,667	$ 3,806,667	$ 3,806,667	$ 3,806,667	$ 3,806,667	$ 3,806,667	$ 3,806,667	$ 3,806,667	$ 3,806,667
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (907,622)	$ (907,622)	$ (907,622)	$ (907,622)	$ (907,622)	$ (907,622)	$ (907,622)	$ (907,622)	$ (907,622)	$ (907,622)	$ (907,622)	$ (907,622)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ 3,324,925	$ 2,899,045	$ 2,899,045	$ 2,899,045	$ 2,899,045	$ 2,899,045	$ 2,899,045	$ 2,899,045	$ 2,899,045	$ 2,899,045	$ 2,899,045	$ 2,899,045
Projected Cummulative Cashflow																
Cummulative Revenues					$ 798,470,308	$ 802,276,975	$ 806,083,642	$ 809,890,310	$ 813,696,977	$ 817,503,644	$ 821,310,311	$ 825,116,978	$ 828,923,645	$ 832,730,312	$ 836,536,979	$ 840,343,646
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (629,095,076)	$ (630,002,698)	$ (630,910,320)	$ (631,817,942)	$ (632,725,564)	$ (633,633,186)	$ (634,540,808)	$ (635,448,430)	$ (636,356,052)	$ (637,263,674)	$ (638,171,295)	$ (639,078,917)
Subtotal		10/2013	12/2057	531	**$ 169,375,232**	**$ 172,274,277**	**$ 175,173,322**	**$ 178,072,367**	**$ 180,971,413**	**$ 183,870,458**	**$ 186,769,503**	**$ 189,668,548**	**$ 192,567,593**	**$ 195,466,639**	**$ 198,365,684**	**$ 201,264,729**

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)
Project Distance: 57.3 Mi
CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2043 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 629,636	$ 629,636	$ 629,636	$ 629,636	$ 629,636	$ 629,636	$ 629,636	$ 629,636	$ 629,636	$ 629,636	$ 629,636	$ 629,636
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 430,646	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ 1,162,917	$ 1,162,917	$ 1,162,917	$ 1,162,917	$ 1,162,917	$ 1,162,917	$ 1,162,917	$ 1,162,917	$ 1,162,917	$ 1,162,917	$ 1,162,917	$ 1,162,917
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ 2,180,750	$ 2,180,750	$ 2,180,750	$ 2,180,750	$ 2,180,750	$ 2,180,750	$ 2,180,750	$ 2,180,750	$ 2,180,750	$ 2,180,750	$ 2,180,750	$ 2,180,750
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 4,403,948	$ 3,973,303	$ 3,973,303	$ 3,973,303	$ 3,973,303	$ 3,973,303	$ 3,973,303	$ 3,973,303	$ 3,973,303	$ 3,973,303	$ 3,973,303	$ 3,973,303
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ (284,688)	$ (284,688)	$ (284,688)	$ (284,688)	$ (284,688)	$ (284,688)	$ (284,688)	$ (284,688)	$ (284,688)	$ (284,688)	$ (284,688)	$ (284,688)
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ (529,258)	$ (529,258)	$ (529,258)	$ (529,258)	$ (529,258)	$ (529,258)	$ (529,258)	$ (529,258)	$ (529,258)	$ (529,258)	$ (529,258)	$ (529,258)
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (947,780)	$ (947,780)	$ (947,780)	$ (947,780)	$ (947,780)	$ (947,780)	$ (947,780)	$ (947,780)	$ (947,780)	$ (947,780)	$ (947,780)	$ (947,780)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 4,403,948	$ 3,973,303	$ 3,973,303	$ 3,973,303	$ 3,973,303	$ 3,973,303	$ 3,973,303	$ 3,973,303	$ 3,973,303	$ 3,973,303	$ 3,973,303	$ 3,973,303
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (947,780)	$ (947,780)	$ (947,780)	$ (947,780)	$ (947,780)	$ (947,780)	$ (947,780)	$ (947,780)	$ (947,780)	$ (947,780)	$ (947,780)	$ (947,780)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ 3,456,169	$ 3,025,523	$ 3,025,523	$ 3,025,523	$ 3,025,523	$ 3,025,523	$ 3,025,523	$ 3,025,523	$ 3,025,523	$ 3,025,523	$ 3,025,523	$ 3,025,523
Projected Cummulative Cashflow																
Cummulative Revenues					$ 844,747,595	$ 848,720,897	$ 852,694,200	$ 856,667,503	$ 860,640,805	$ 864,614,108	$ 868,587,410	$ 872,560,713	$ 876,534,015	$ 880,507,318	$ 884,480,621	$ 888,453,923
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (640,026,697)	$ (640,974,477)	$ (641,922,257)	$ (642,870,037)	$ (643,817,817)	$ (644,765,597)	$ (645,713,377)	$ (646,661,157)	$ (647,608,937)	$ (648,556,717)	$ (649,504,496)	$ (650,452,276)
Subtotal		10/2013	12/2057	531	**$ 204,720,898**	**$ 207,746,420**	**$ 210,771,943**	**$ 213,797,466**	**$ 216,822,988**	**$ 219,848,511**	**$ 222,874,034**	**$ 225,899,556**	**$ 228,925,079**	**$ 231,950,602**	**$ 234,976,124**	**$ 238,001,647**

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)

Project Distance: 57.3 Mi

CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2044 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 636,515	$ 636,515	$ 636,515	$ 636,515	$ 636,515	$ 636,515	$ 636,515	$ 636,515	$ 636,515	$ 636,515	$ 636,515	$ 636,515
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 435,351	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ 1,223,250	$ 1,223,250	$ 1,223,250	$ 1,223,250	$ 1,223,250	$ 1,223,250	$ 1,223,250	$ 1,223,250	$ 1,223,250	$ 1,223,250	$ 1,223,250	$ 1,223,250
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ 2,286,750	$ 2,286,750	$ 2,286,750	$ 2,286,750	$ 2,286,750	$ 2,286,750	$ 2,286,750	$ 2,286,750	$ 2,286,750	$ 2,286,750	$ 2,286,750	$ 2,286,750
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 4,581,866	$ 4,146,515	$ 4,146,515	$ 4,146,515	$ 4,146,515	$ 4,146,515	$ 4,146,515	$ 4,146,515	$ 4,146,515	$ 4,146,515	$ 4,146,515	$ 4,146,515
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ (299,697)	$ (299,697)	$ (299,697)	$ (299,697)	$ (299,697)	$ (299,697)	$ (299,697)	$ (299,697)	$ (299,697)	$ (299,697)	$ (299,697)	$ (299,697)
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ (556,233)	$ (556,233)	$ (556,233)	$ (556,233)	$ (556,233)	$ (556,233)	$ (556,233)	$ (556,233)	$ (556,233)	$ (556,233)	$ (556,233)	$ (556,233)
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (989,763)	$ (989,763)	$ (989,763)	$ (989,763)	$ (989,763)	$ (989,763)	$ (989,763)	$ (989,763)	$ (989,763)	$ (989,763)	$ (989,763)	$ (989,763)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 4,581,866	$ 4,146,515	$ 4,146,515	$ 4,146,515	$ 4,146,515	$ 4,146,515	$ 4,146,515	$ 4,146,515	$ 4,146,515	$ 4,146,515	$ 4,146,515	$ 4,146,515
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (989,763)	$ (989,763)	$ (989,763)	$ (989,763)	$ (989,763)	$ (989,763)	$ (989,763)	$ (989,763)	$ (989,763)	$ (989,763)	$ (989,763)	$ (989,763)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ 3,592,103	$ 3,156,752	$ 3,156,752	$ 3,156,752	$ 3,156,752	$ 3,156,752	$ 3,156,752	$ 3,156,752	$ 3,156,752	$ 3,156,752	$ 3,156,752	$ 3,156,752
Projected Cummulative Cashflow																
Cummulative Revenues					$ 893,035,789	$ 897,182,305	$ 901,328,820	$ 905,475,335	$ 909,621,850	$ 913,768,365	$ 917,914,880	$ 922,061,396	$ 926,207,911	$ 930,354,426	$ 934,500,941	$ 938,647,456
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (651,442,040)	$ (652,431,803)	$ (653,421,567)	$ (654,411,330)	$ (655,401,093)	$ (656,390,857)	$ (657,380,620)	$ (658,370,383)	$ (659,360,147)	$ (660,349,910)	$ (661,339,674)	$ (662,329,437)
Subtotal		10/2013	12/2057	531	**$ 241,593,750**	**$ 244,750,501**	**$ 247,907,253**	**$ 251,064,005**	**$ 254,220,757**	**$ 257,377,509**	**$ 260,534,260**	**$ 263,691,012**	**$ 266,847,764**	**$ 270,004,516**	**$ 273,161,268**	**$ 276,318,019**

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)

Project Distance: 57.3 Mi

CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2045 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 643,532	$ 643,532	$ 643,532	$ 643,532	$ 643,532	$ 643,532	$ 643,532	$ 643,532	$ 643,532	$ 643,532	$ 643,532	$ 643,532
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 440,150	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ 1,286,250	$ 1,286,250	$ 1,286,250	$ 1,286,250	$ 1,286,250	$ 1,286,250	$ 1,286,250	$ 1,286,250	$ 1,286,250	$ 1,286,250	$ 1,286,250	$ 1,286,250
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ 2,396,833	$ 2,396,833	$ 2,396,833	$ 2,396,833	$ 2,396,833	$ 2,396,833	$ 2,396,833	$ 2,396,833	$ 2,396,833	$ 2,396,833	$ 2,396,833	$ 2,396,833
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 4,766,765	$ 4,326,615	$ 4,326,615	$ 4,326,615	$ 4,326,615	$ 4,326,615	$ 4,326,615	$ 4,326,615	$ 4,326,615	$ 4,326,615	$ 4,326,615	$ 4,326,615
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ (315,468)	$ (315,468)	$ (315,468)	$ (315,468)	$ (315,468)	$ (315,468)	$ (315,468)	$ (315,468)	$ (315,468)	$ (315,468)	$ (315,468)	$ (315,468)
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ (584,440)	$ (584,440)	$ (584,440)	$ (584,440)	$ (584,440)	$ (584,440)	$ (584,440)	$ (584,440)	$ (584,440)	$ (584,440)	$ (584,440)	$ (584,440)
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (1,033,741)	$ (1,033,741)	$ (1,033,741)	$ (1,033,741)	$ (1,033,741)	$ (1,033,741)	$ (1,033,741)	$ (1,033,741)	$ (1,033,741)	$ (1,033,741)	$ (1,033,741)	$ (1,033,741)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 4,766,765	$ 4,326,615	$ 4,326,615	$ 4,326,615	$ 4,326,615	$ 4,326,615	$ 4,326,615	$ 4,326,615	$ 4,326,615	$ 4,326,615	$ 4,326,615	$ 4,326,615
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (1,033,741)	$ (1,033,741)	$ (1,033,741)	$ (1,033,741)	$ (1,033,741)	$ (1,033,741)	$ (1,033,741)	$ (1,033,741)	$ (1,033,741)	$ (1,033,741)	$ (1,033,741)	$ (1,033,741)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ 3,733,024	$ 3,292,874	$ 3,292,874	$ 3,292,874	$ 3,292,874	$ 3,292,874	$ 3,292,874	$ 3,292,874	$ 3,292,874	$ 3,292,874	$ 3,292,874	$ 3,292,874
Projected Cummulative Cashflow																
Cummulative Revenues					$ 943,414,222	$ 947,740,837	$ 952,067,452	$ 956,394,067	$ 960,720,683	$ 965,047,298	$ 969,373,913	$ 973,700,528	$ 978,027,143	$ 982,353,759	$ 986,680,374	$ 991,006,989
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (663,363,178)	$ (664,396,919)	$ (665,430,661)	$ (666,464,402)	$ (667,498,143)	$ (668,531,884)	$ (669,565,625)	$ (670,599,366)	$ (671,633,108)	$ (672,666,849)	$ (673,700,590)	$ (674,734,331)
Subtotal		10/2013	12/2057	531	**$ 280,051,044**	**$ 283,343,918**	**$ 286,636,792**	**$ 289,929,666**	**$ 293,222,540**	**$ 296,515,414**	**$ 299,808,288**	**$ 303,101,162**	**$ 306,394,036**	**$ 309,686,910**	**$ 312,979,784**	**$ 316,272,658**

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)

Project Distance: 57.3 Mi

CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2046 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 650,498	$ 650,498	$ 650,498	$ 650,498	$ 650,498	$ 650,498	$ 650,498	$ 650,498	$ 650,498	$ 650,498	$ 650,498	$ 650,498
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 444,914	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ 1,351,917	$ 1,351,917	$ 1,351,917	$ 1,351,917	$ 1,351,917	$ 1,351,917	$ 1,351,917	$ 1,351,917	$ 1,351,917	$ 1,351,917	$ 1,351,917	$ 1,351,917
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ 2,511,250	$ 2,511,250	$ 2,511,250	$ 2,511,250	$ 2,511,250	$ 2,511,250	$ 2,511,250	$ 2,511,250	$ 2,511,250	$ 2,511,250	$ 2,511,250	$ 2,511,250
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 4,958,579	$ 4,513,664	$ 4,513,664	$ 4,513,664	$ 4,513,664	$ 4,513,664	$ 4,513,664	$ 4,513,664	$ 4,513,664	$ 4,513,664	$ 4,513,664	$ 4,513,664
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ (331,991)	$ (331,991)	$ (331,991)	$ (331,991)	$ (331,991)	$ (331,991)	$ (331,991)	$ (331,991)	$ (331,991)	$ (331,991)	$ (331,991)	$ (331,991)
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ (613,932)	$ (613,932)	$ (613,932)	$ (613,932)	$ (613,932)	$ (613,932)	$ (613,932)	$ (613,932)	$ (613,932)	$ (613,932)	$ (613,932)	$ (613,932)
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (1,079,756)	$ (1,079,756)	$ (1,079,756)	$ (1,079,756)	$ (1,079,756)	$ (1,079,756)	$ (1,079,756)	$ (1,079,756)	$ (1,079,756)	$ (1,079,756)	$ (1,079,756)	$ (1,079,756)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 4,958,579	$ 4,513,664	$ 4,513,664	$ 4,513,664	$ 4,513,664	$ 4,513,664	$ 4,513,664	$ 4,513,664	$ 4,513,664	$ 4,513,664	$ 4,513,664	$ 4,513,664
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (1,079,756)	$ (1,079,756)	$ (1,079,756)	$ (1,079,756)	$ (1,079,756)	$ (1,079,756)	$ (1,079,756)	$ (1,079,756)	$ (1,079,756)	$ (1,079,756)	$ (1,079,756)	$ (1,079,756)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ 3,878,823	$ 3,433,909	$ 3,433,909	$ 3,433,909	$ 3,433,909	$ 3,433,909	$ 3,433,909	$ 3,433,909	$ 3,433,909	$ 3,433,909	$ 3,433,909	$ 3,433,909
Projected Cummulative Cashflow																
Cummulative Revenues					$ 995,965,568	$ 1,000,479,232	$ 1,004,992,896	$ 1,009,506,560	$ 1,014,020,224	$ 1,018,533,889	$ 1,023,047,553	$ 1,027,561,217	$ 1,032,074,881	$ 1,036,588,545	$ 1,041,102,209	$ 1,045,615,874
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (675,814,087)	$ (676,893,842)	$ (677,973,598)	$ (679,053,353)	$ (680,133,109)	$ (681,212,865)	$ (682,292,620)	$ (683,372,376)	$ (684,452,131)	$ (685,531,887)	$ (686,611,643)	$ (687,691,398)
Subtotal		10/2013	12/2057	531	**$ 320,151,481**	**$ 323,585,390**	**$ 327,019,298**	**$ 330,453,207**	**$ 333,887,115**	**$ 337,321,024**	**$ 340,754,932**	**$ 344,188,841**	**$ 347,622,750**	**$ 351,056,658**	**$ 354,490,567**	**$ 357,924,475**

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)
Project Distance: 57.3 Mi
CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2047 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 657,561	$ 657,561	$ 657,561	$ 657,561	$ 657,561	$ 657,561	$ 657,561	$ 657,561	$ 657,561	$ 657,561	$ 657,561	$ 657,561
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 449,745	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ 1,420,500	$ 1,420,500	$ 1,420,500	$ 1,420,500	$ 1,420,500	$ 1,420,500	$ 1,420,500	$ 1,420,500	$ 1,420,500	$ 1,420,500	$ 1,420,500	$ 1,420,500
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ 2,630,167	$ 2,630,167	$ 2,630,167	$ 2,630,167	$ 2,630,167	$ 2,630,167	$ 2,630,167	$ 2,630,167	$ 2,630,167	$ 2,630,167	$ 2,630,167	$ 2,630,167
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 5,157,972	$ 4,708,227	$ 4,708,227	$ 4,708,227	$ 4,708,227	$ 4,708,227	$ 4,708,227	$ 4,708,227	$ 4,708,227	$ 4,708,227	$ 4,708,227	$ 4,708,227
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ (349,298)	$ (349,298)	$ (349,298)	$ (349,298)	$ (349,298)	$ (349,298)	$ (349,298)	$ (349,298)	$ (349,298)	$ (349,298)	$ (349,298)	$ (349,298)
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ (644,764)	$ (644,764)	$ (644,764)	$ (644,764)	$ (644,764)	$ (644,764)	$ (644,764)	$ (644,764)	$ (644,764)	$ (644,764)	$ (644,764)	$ (644,764)
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (1,127,895)	$ (1,127,895)	$ (1,127,895)	$ (1,127,895)	$ (1,127,895)	$ (1,127,895)	$ (1,127,895)	$ (1,127,895)	$ (1,127,895)	$ (1,127,895)	$ (1,127,895)	$ (1,127,895)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 5,157,972	$ 4,708,227	$ 4,708,227	$ 4,708,227	$ 4,708,227	$ 4,708,227	$ 4,708,227	$ 4,708,227	$ 4,708,227	$ 4,708,227	$ 4,708,227	$ 4,708,227
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (1,127,895)	$ (1,127,895)	$ (1,127,895)	$ (1,127,895)	$ (1,127,895)	$ (1,127,895)	$ (1,127,895)	$ (1,127,895)	$ (1,127,895)	$ (1,127,895)	$ (1,127,895)	$ (1,127,895)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ 4,030,077	$ 3,580,332	$ 3,580,332	$ 3,580,332	$ 3,580,332	$ 3,580,332	$ 3,580,332	$ 3,580,332	$ 3,580,332	$ 3,580,332	$ 3,580,332	$ 3,580,332
Projected Cummulative Cashflow																
Cummulative Revenues					$ 1,050,773,846	$ 1,055,482,073	$ 1,060,190,301	$ 1,064,898,528	$ 1,069,606,755	$ 1,074,314,982	$ 1,079,023,209	$ 1,083,731,437	$ 1,088,439,664	$ 1,093,147,891	$ 1,097,856,118	$ 1,102,564,346
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (688,819,294)	$ (689,947,189)	$ (691,075,085)	$ (692,202,980)	$ (693,330,876)	$ (694,458,771)	$ (695,586,666)	$ (696,714,562)	$ (697,842,457)	$ (698,970,353)	$ (700,098,248)	$ (701,226,144)
Subtotal		10/2013	12/2057	531	**$ 361,954,552**	**$ 365,534,884**	**$ 369,115,216**	**$ 372,695,548**	**$ 376,275,879**	**$ 379,856,211**	**$ 383,436,543**	**$ 387,016,875**	**$ 390,597,206**	**$ 394,177,538**	**$ 397,757,870**	**$ 401,338,202**

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)
Project Distance: 57.3 Mi
CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2048 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 664,625	$ 664,625	$ 664,625	$ 664,625	$ 664,625	$ 664,625	$ 664,625	$ 664,625	$ 664,625	$ 664,625	$ 664,625	$ 664,625
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 454,577	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ 1,492,000	$ 1,492,000	$ 1,492,000	$ 1,492,000	$ 1,492,000	$ 1,492,000	$ 1,492,000	$ 1,492,000	$ 1,492,000	$ 1,492,000	$ 1,492,000	$ 1,492,000
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ 2,753,583	$ 2,753,583	$ 2,753,583	$ 2,753,583	$ 2,753,583	$ 2,753,583	$ 2,753,583	$ 2,753,583	$ 2,753,583	$ 2,753,583	$ 2,753,583	$ 2,753,583
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 5,364,786	$ 4,910,209	$ 4,910,209	$ 4,910,209	$ 4,910,209	$ 4,910,209	$ 4,910,209	$ 4,910,209	$ 4,910,209	$ 4,910,209	$ 4,910,209	$ 4,910,209
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ (2,623,341)	$ (2,623,341)	$ (2,623,341)	$ (2,623,341)	$ (2,623,341)	$ (2,623,341)	$ (2,623,341)	$ (2,623,341)	$ (2,623,341)	$ (2,623,341)	$ (2,623,341)	$ (2,623,341)
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ (4,407,955)	$ (4,407,955)	$ (4,407,955)	$ (4,407,955)	$ (4,407,955)	$ (4,407,955)	$ (4,407,955)	$ (4,407,955)	$ (4,407,955)	$ (4,407,955)	$ (4,407,955)	$ (4,407,955)
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (7,165,130)	$ (7,165,130)	$ (7,165,130)	$ (7,165,130)	$ (7,165,130)	$ (7,165,130)	$ (7,165,130)	$ (7,165,130)	$ (7,165,130)	$ (7,165,130)	$ (7,165,130)	$ (7,165,130)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 5,364,786	$ 4,910,209	$ 4,910,209	$ 4,910,209	$ 4,910,209	$ 4,910,209	$ 4,910,209	$ 4,910,209	$ 4,910,209	$ 4,910,209	$ 4,910,209	$ 4,910,209
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (7,165,130)	$ (7,165,130)	$ (7,165,130)	$ (7,165,130)	$ (7,165,130)	$ (7,165,130)	$ (7,165,130)	$ (7,165,130)	$ (7,165,130)	$ (7,165,130)	$ (7,165,130)	$ (7,165,130)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ (1,800,344)	$ (2,254,921)	$ (2,254,921)	$ (2,254,921)	$ (2,254,921)	$ (2,254,921)	$ (2,254,921)	$ (2,254,921)	$ (2,254,921)	$ (2,254,921)	$ (2,254,921)	$ (2,254,921)
Projected Cummulative Cashflow																
Cummulative Revenues					$ 1,107,929,131	$ 1,112,839,340	$ 1,117,749,548	$ 1,122,659,757	$ 1,127,569,965	$ 1,132,480,174	$ 1,137,390,382	$ 1,142,300,591	$ 1,147,210,799	$ 1,152,121,008	$ 1,157,031,216	$ 1,161,941,425
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (708,391,273)	$ (715,556,403)	$ (722,721,533)	$ (729,886,662)	$ (737,051,792)	$ (744,216,922)	$ (751,382,051)	$ (758,547,181)	$ (765,712,310)	$ (772,877,440)	$ (780,042,570)	$ (787,207,699)
Subtotal		10/2013	12/2057	531	**$ 399,537,858**	**$ 397,282,937**	**$ 395,028,016**	**$ 392,773,094**	**$ 390,518,173**	**$ 388,263,252**	**$ 386,008,331**	**$ 383,753,410**	**$ 381,498,489**	**$ 379,243,568**	**$ 376,988,647**	**$ 374,733,726**

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)
Project Distance: 57.3 Mi
CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2049 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 671,720	$ 671,720	$ 671,720	$ 671,720	$ 671,720	$ 671,720	$ 671,720	$ 671,720	$ 671,720	$ 671,720	$ 671,720	$ 671,720
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 459,430	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ 1,566,667	$ 1,566,667	$ 1,566,667	$ 1,566,667	$ 1,566,667	$ 1,566,667	$ 1,566,667	$ 1,566,667	$ 1,566,667	$ 1,566,667	$ 1,566,667	$ 1,566,667
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ 2,881,833	$ 2,881,833	$ 2,881,833	$ 2,881,833	$ 2,881,833	$ 2,881,833	$ 2,881,833	$ 2,881,833	$ 2,881,833	$ 2,881,833	$ 2,881,833	$ 2,881,833
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 5,579,649	$ 5,120,220	$ 5,120,220	$ 5,120,220	$ 5,120,220	$ 5,120,220	$ 5,120,220	$ 5,120,220	$ 5,120,220	$ 5,120,220	$ 5,120,220	$ 5,120,220
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ (370,705)	$ (370,705)	$ (370,705)	$ (370,705)	$ (370,705)	$ (370,705)	$ (370,705)	$ (370,705)	$ (370,705)	$ (370,705)	$ (370,705)	$ (370,705)
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ (684,555)	$ (684,555)	$ (684,555)	$ (684,555)	$ (684,555)	$ (684,555)	$ (684,555)	$ (684,555)	$ (684,555)	$ (684,555)	$ (684,555)	$ (684,555)
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (1,189,094)	$ (1,189,094)	$ (1,189,094)	$ (1,189,094)	$ (1,189,094)	$ (1,189,094)	$ (1,189,094)	$ (1,189,094)	$ (1,189,094)	$ (1,189,094)	$ (1,189,094)	$ (1,189,094)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 5,579,649	$ 5,120,220	$ 5,120,220	$ 5,120,220	$ 5,120,220	$ 5,120,220	$ 5,120,220	$ 5,120,220	$ 5,120,220	$ 5,120,220	$ 5,120,220	$ 5,120,220
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (1,189,094)	$ (1,189,094)	$ (1,189,094)	$ (1,189,094)	$ (1,189,094)	$ (1,189,094)	$ (1,189,094)	$ (1,189,094)	$ (1,189,094)	$ (1,189,094)	$ (1,189,094)	$ (1,189,094)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ 4,390,556	$ 3,931,126	$ 3,931,126	$ 3,931,126	$ 3,931,126	$ 3,931,126	$ 3,931,126	$ 3,931,126	$ 3,931,126	$ 3,931,126	$ 3,931,126	$ 3,931,126
Projected Cummulative Cashflow																
Cummulative Revenues					$ 1,167,521,074	$ 1,172,641,294	$ 1,177,761,514	$ 1,182,881,734	$ 1,188,001,954	$ 1,193,122,174	$ 1,198,242,393	$ 1,203,362,613	$ 1,208,482,833	$ 1,213,603,053	$ 1,218,723,273	$ 1,223,843,492
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (788,396,793)	$ (789,585,886)	$ (790,774,980)	$ (791,964,074)	$ (793,153,167)	$ (794,342,261)	$ (795,531,354)	$ (796,720,448)	$ (797,909,541)	$ (799,098,635)	$ (800,287,728)	$ (801,476,822)
Subtotal		10/2013	12/2057	531	**$ 379,124,281**	**$ 383,055,408**	**$ 386,986,534**	**$ 390,917,660**	**$ 394,848,787**	**$ 398,779,913**	**$ 402,711,039**	**$ 406,642,166**	**$ 410,573,292**	**$ 414,504,418**	**$ 418,435,544**	**$ 422,366,671**

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)

Project Distance: 57.3 Mi

CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2050 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 678,773	$ 678,773	$ 678,773	$ 678,773	$ 678,773	$ 678,773	$ 678,773	$ 678,773	$ 678,773	$ 678,773	$ 678,773	$ 678,773
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 464,254	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ 1,644,417	$ 1,644,417	$ 1,644,417	$ 1,644,417	$ 1,644,417	$ 1,644,417	$ 1,644,417	$ 1,644,417	$ 1,644,417	$ 1,644,417	$ 1,644,417	$ 1,644,417
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ 3,015,000	$ 3,015,000	$ 3,015,000	$ 3,015,000	$ 3,015,000	$ 3,015,000	$ 3,015,000	$ 3,015,000	$ 3,015,000	$ 3,015,000	$ 3,015,000	$ 3,015,000
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 5,802,444	$ 5,338,190	$ 5,338,190	$ 5,338,190	$ 5,338,190	$ 5,338,190	$ 5,338,190	$ 5,338,190	$ 5,338,190	$ 5,338,190	$ 5,338,190	$ 5,338,190
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ (389,922)	$ (389,922)	$ (389,922)	$ (389,922)	$ (389,922)	$ (389,922)	$ (389,922)	$ (389,922)	$ (389,922)	$ (389,922)	$ (389,922)	$ (389,922)
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ (718,523)	$ (718,523)	$ (718,523)	$ (718,523)	$ (718,523)	$ (718,523)	$ (718,523)	$ (718,523)	$ (718,523)	$ (718,523)	$ (718,523)	$ (718,523)
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (1,242,279)	$ (1,242,279)	$ (1,242,279)	$ (1,242,279)	$ (1,242,279)	$ (1,242,279)	$ (1,242,279)	$ (1,242,279)	$ (1,242,279)	$ (1,242,279)	$ (1,242,279)	$ (1,242,279)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 5,802,444	$ 5,338,190	$ 5,338,190	$ 5,338,190	$ 5,338,190	$ 5,338,190	$ 5,338,190	$ 5,338,190	$ 5,338,190	$ 5,338,190	$ 5,338,190	$ 5,338,190
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (1,242,279)	$ (1,242,279)	$ (1,242,279)	$ (1,242,279)	$ (1,242,279)	$ (1,242,279)	$ (1,242,279)	$ (1,242,279)	$ (1,242,279)	$ (1,242,279)	$ (1,242,279)	$ (1,242,279)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ 4,560,165	$ 4,095,911	$ 4,095,911	$ 4,095,911	$ 4,095,911	$ 4,095,911	$ 4,095,911	$ 4,095,911	$ 4,095,911	$ 4,095,911	$ 4,095,911	$ 4,095,911
Projected Cummulative Cashflow																
Cummulative Revenues					$ 1,229,645,936	$ 1,234,984,127	$ 1,240,322,317	$ 1,245,660,507	$ 1,250,998,697	$ 1,256,336,887	$ 1,261,675,077	$ 1,267,013,267	$ 1,272,351,457	$ 1,277,689,647	$ 1,283,027,837	$ 1,288,366,027
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (802,719,101)	$ (803,961,379)	$ (805,203,658)	$ (806,445,937)	$ (807,688,215)	$ (808,930,494)	$ (810,172,773)	$ (811,415,052)	$ (812,657,330)	$ (813,899,609)	$ (815,141,888)	$ (816,384,166)
Subtotal		10/2013	12/2057	531	**$ 426,926,836**	**$ 431,022,747**	**$ 435,118,659**	**$ 439,214,570**	**$ 443,310,481**	**$ 447,406,393**	**$ 451,502,304**	**$ 455,598,215**	**$ 459,694,127**	**$ 463,790,038**	**$ 467,885,949**	**$ 471,981,861**

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)
Project Distance: 57.3 Mi
CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2051 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 685,561	$ 685,561	$ 685,561	$ 685,561	$ 685,561	$ 685,561	$ 685,561	$ 685,561	$ 685,561	$ 685,561	$ 685,561	$ 685,561
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 468,896	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ 1,725,500	$ 1,725,500	$ 1,725,500	$ 1,725,500	$ 1,725,500	$ 1,725,500	$ 1,725,500	$ 1,725,500	$ 1,725,500	$ 1,725,500	$ 1,725,500	$ 1,725,500
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ 3,153,250	$ 3,153,250	$ 3,153,250	$ 3,153,250	$ 3,153,250	$ 3,153,250	$ 3,153,250	$ 3,153,250	$ 3,153,250	$ 3,153,250	$ 3,153,250	$ 3,153,250
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 6,033,208	$ 5,564,311	$ 5,564,311	$ 5,564,311	$ 5,564,311	$ 5,564,311	$ 5,564,311	$ 5,564,311	$ 5,564,311	$ 5,564,311	$ 5,564,311	$ 5,564,311
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ (410,071)	$ (410,071)	$ (410,071)	$ (410,071)	$ (410,071)	$ (410,071)	$ (410,071)	$ (410,071)	$ (410,071)	$ (410,071)	$ (410,071)	$ (410,071)
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ (754,047)	$ (754,047)	$ (754,047)	$ (754,047)	$ (754,047)	$ (754,047)	$ (754,047)	$ (754,047)	$ (754,047)	$ (754,047)	$ (754,047)	$ (754,047)
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (1,297,951)	$ (1,297,951)	$ (1,297,951)	$ (1,297,951)	$ (1,297,951)	$ (1,297,951)	$ (1,297,951)	$ (1,297,951)	$ (1,297,951)	$ (1,297,951)	$ (1,297,951)	$ (1,297,951)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 6,033,208	$ 5,564,311	$ 5,564,311	$ 5,564,311	$ 5,564,311	$ 5,564,311	$ 5,564,311	$ 5,564,311	$ 5,564,311	$ 5,564,311	$ 5,564,311	$ 5,564,311
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (1,297,951)	$ (1,297,951)	$ (1,297,951)	$ (1,297,951)	$ (1,297,951)	$ (1,297,951)	$ (1,297,951)	$ (1,297,951)	$ (1,297,951)	$ (1,297,951)	$ (1,297,951)	$ (1,297,951)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ 4,735,256	$ 4,266,360	$ 4,266,360	$ 4,266,360	$ 4,266,360	$ 4,266,360	$ 4,266,360	$ 4,266,360	$ 4,266,360	$ 4,266,360	$ 4,266,360	$ 4,266,360
Projected Cummulative Cashflow																
Cummulative Revenues					$ 1,294,399,235	$ 1,299,963,546	$ 1,305,527,857	$ 1,311,092,168	$ 1,316,656,479	$ 1,322,220,790	$ 1,327,785,102	$ 1,333,349,413	$ 1,338,913,724	$ 1,344,478,035	$ 1,350,042,346	$ 1,355,606,657
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (817,682,118)	$ (818,980,069)	$ (820,278,021)	$ (821,575,972)	$ (822,873,924)	$ (824,171,875)	$ (825,469,827)	$ (826,767,778)	$ (828,065,730)	$ (829,363,681)	$ (830,661,632)	$ (831,959,584)
Subtotal		10/2013	12/2057	531	**$ 476,717,117**	**$ 480,983,477**	**$ 485,249,836**	**$ 489,516,196**	**$ 493,782,556**	**$ 498,048,915**	**$ 502,315,275**	**$ 506,581,635**	**$ 510,847,994**	**$ 515,114,354**	**$ 519,380,714**	**$ 523,647,073**

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)
Project Distance: 57.3 Mi
CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2052 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 692,417	$ 692,417	$ 692,417	$ 692,417	$ 692,417	$ 692,417	$ 692,417	$ 692,417	$ 692,417	$ 692,417	$ 692,417	$ 692,417
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 473,585	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ 1,810,000	$ 1,810,000	$ 1,810,000	$ 1,810,000	$ 1,810,000	$ 1,810,000	$ 1,810,000	$ 1,810,000	$ 1,810,000	$ 1,810,000	$ 1,810,000	$ 1,810,000
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ 3,296,750	$ 3,296,750	$ 3,296,750	$ 3,296,750	$ 3,296,750	$ 3,296,750	$ 3,296,750	$ 3,296,750	$ 3,296,750	$ 3,296,750	$ 3,296,750	$ 3,296,750
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 6,272,752	$ 5,799,167	$ 5,799,167	$ 5,799,167	$ 5,799,167	$ 5,799,167	$ 5,799,167	$ 5,799,167	$ 5,799,167	$ 5,799,167	$ 5,799,167	$ 5,799,167
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ (431,167)	$ (431,167)	$ (431,167)	$ (431,167)	$ (431,167)	$ (431,167)	$ (431,167)	$ (431,167)	$ (431,167)	$ (431,167)	$ (431,167)	$ (431,167)
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ (791,165)	$ (791,165)	$ (791,165)	$ (791,165)	$ (791,165)	$ (791,165)	$ (791,165)	$ (791,165)	$ (791,165)	$ (791,165)	$ (791,165)	$ (791,165)
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (1,356,166)	$ (1,356,166)	$ (1,356,166)	$ (1,356,166)	$ (1,356,166)	$ (1,356,166)	$ (1,356,166)	$ (1,356,166)	$ (1,356,166)	$ (1,356,166)	$ (1,356,166)	$ (1,356,166)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 6,272,752	$ 5,799,167	$ 5,799,167	$ 5,799,167	$ 5,799,167	$ 5,799,167	$ 5,799,167	$ 5,799,167	$ 5,799,167	$ 5,799,167	$ 5,799,167	$ 5,799,167
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (1,356,166)	$ (1,356,166)	$ (1,356,166)	$ (1,356,166)	$ (1,356,166)	$ (1,356,166)	$ (1,356,166)	$ (1,356,166)	$ (1,356,166)	$ (1,356,166)	$ (1,356,166)	$ (1,356,166)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ 4,916,586	$ 4,443,001	$ 4,443,001	$ 4,443,001	$ 4,443,001	$ 4,443,001	$ 4,443,001	$ 4,443,001	$ 4,443,001	$ 4,443,001	$ 4,443,001	$ 4,443,001
Projected Cummulative Cashflow																
Cummulative Revenues					$ 1,361,879,409	$ 1,367,678,576	$ 1,373,477,743	$ 1,379,276,910	$ 1,385,076,076	$ 1,390,875,243	$ 1,396,674,410	$ 1,402,473,577	$ 1,408,272,743	$ 1,414,071,910	$ 1,419,871,077	$ 1,425,670,244
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (833,315,750)	$ (834,671,915)	$ (836,028,081)	$ (837,384,247)	$ (838,740,413)	$ (840,096,578)	$ (841,452,744)	$ (842,808,910)	$ (844,165,076)	$ (845,521,241)	$ (846,877,407)	$ (848,233,573)
Subtotal		10/2013	12/2057	531	**$ 528,563,660**	**$ 533,006,661**	**$ 537,449,662**	**$ 541,892,663**	**$ 546,335,664**	**$ 550,778,665**	**$ 555,221,666**	**$ 559,664,667**	**$ 564,107,668**	**$ 568,550,669**	**$ 572,993,670**	**$ 577,436,671**

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)
Project Distance: 57.3 Mi
CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2053 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 699,341	$ 699,341	$ 699,341	$ 699,341	$ 699,341	$ 699,341	$ 699,341	$ 699,341	$ 699,341	$ 699,341	$ 699,341	$ 699,341
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 478,321	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ 1,898,083	$ 1,898,083	$ 1,898,083	$ 1,898,083	$ 1,898,083	$ 1,898,083	$ 1,898,083	$ 1,898,083	$ 1,898,083	$ 1,898,083	$ 1,898,083	$ 1,898,083
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ 3,445,667	$ 3,445,667	$ 3,445,667	$ 3,445,667	$ 3,445,667	$ 3,445,667	$ 3,445,667	$ 3,445,667	$ 3,445,667	$ 3,445,667	$ 3,445,667	$ 3,445,667
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 6,521,412	$ 6,043,091	$ 6,043,091	$ 6,043,091	$ 6,043,091	$ 6,043,091	$ 6,043,091	$ 6,043,091	$ 6,043,091	$ 6,043,091	$ 6,043,091	$ 6,043,091
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ (453,280)	$ (453,280)	$ (453,280)	$ (453,280)	$ (453,280)	$ (453,280)	$ (453,280)	$ (453,280)	$ (453,280)	$ (453,280)	$ (453,280)	$ (453,280)
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ (829,918)	$ (829,918)	$ (829,918)	$ (829,918)	$ (829,918)	$ (829,918)	$ (829,918)	$ (829,918)	$ (829,918)	$ (829,918)	$ (829,918)	$ (829,918)
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (1,417,031)	$ (1,417,031)	$ (1,417,031)	$ (1,417,031)	$ (1,417,031)	$ (1,417,031)	$ (1,417,031)	$ (1,417,031)	$ (1,417,031)	$ (1,417,031)	$ (1,417,031)	$ (1,417,031)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 6,521,412	$ 6,043,091	$ 6,043,091	$ 6,043,091	$ 6,043,091	$ 6,043,091	$ 6,043,091	$ 6,043,091	$ 6,043,091	$ 6,043,091	$ 6,043,091	$ 6,043,091
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (1,417,031)	$ (1,417,031)	$ (1,417,031)	$ (1,417,031)	$ (1,417,031)	$ (1,417,031)	$ (1,417,031)	$ (1,417,031)	$ (1,417,031)	$ (1,417,031)	$ (1,417,031)	$ (1,417,031)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ 5,104,381	$ 4,626,060	$ 4,626,060	$ 4,626,060	$ 4,626,060	$ 4,626,060	$ 4,626,060	$ 4,626,060	$ 4,626,060	$ 4,626,060	$ 4,626,060	$ 4,626,060
Projected Cummulative Cashflow																
Cummulative Revenues					$ 1,432,191,656	$ 1,438,234,747	$ 1,444,277,838	$ 1,450,320,929	$ 1,456,364,019	$ 1,462,407,110	$ 1,468,450,201	$ 1,474,493,292	$ 1,480,536,383	$ 1,486,579,474	$ 1,492,622,565	$ 1,498,665,656
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (849,650,604)	$ (851,067,636)	$ (852,484,667)	$ (853,901,698)	$ (855,318,730)	$ (856,735,761)	$ (858,152,792)	$ (859,569,824)	$ (860,986,855)	$ (862,403,886)	$ (863,820,918)	$ (865,237,949)
Subtotal		10/2013	12/2057	531	**$ 582,541,052**	**$ 587,167,111**	**$ 591,793,171**	**$ 596,419,230**	**$ 601,045,290**	**$ 605,671,349**	**$ 610,297,409**	**$ 614,923,468**	**$ 619,549,528**	**$ 624,175,588**	**$ 628,801,647**	**$ 633,427,707**

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)

Project Distance: 57.3 Mi

CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2054 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 706,334	$ 706,334	$ 706,334	$ 706,334	$ 706,334	$ 706,334	$ 706,334	$ 706,334	$ 706,334	$ 706,334	$ 706,334	$ 706,334
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 483,105	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ 1,989,833	$ 1,989,833	$ 1,989,833	$ 1,989,833	$ 1,989,833	$ 1,989,833	$ 1,989,833	$ 1,989,833	$ 1,989,833	$ 1,989,833	$ 1,989,833	$ 1,989,833
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ 3,600,250	$ 3,600,250	$ 3,600,250	$ 3,600,250	$ 3,600,250	$ 3,600,250	$ 3,600,250	$ 3,600,250	$ 3,600,250	$ 3,600,250	$ 3,600,250	$ 3,600,250
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 6,779,522	$ 6,296,418	$ 6,296,418	$ 6,296,418	$ 6,296,418	$ 6,296,418	$ 6,296,418	$ 6,296,418	$ 6,296,418	$ 6,296,418	$ 6,296,418	$ 6,296,418
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ (476,457)	$ (476,457)	$ (476,457)	$ (476,457)	$ (476,457)	$ (476,457)	$ (476,457)	$ (476,457)	$ (476,457)	$ (476,457)	$ (476,457)	$ (476,457)
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ (870,402)	$ (870,402)	$ (870,402)	$ (870,402)	$ (870,402)	$ (870,402)	$ (870,402)	$ (870,402)	$ (870,402)	$ (870,402)	$ (870,402)	$ (870,402)
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (1,480,692)	$ (1,480,692)	$ (1,480,692)	$ (1,480,692)	$ (1,480,692)	$ (1,480,692)	$ (1,480,692)	$ (1,480,692)	$ (1,480,692)	$ (1,480,692)	$ (1,480,692)	$ (1,480,692)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 6,779,522	$ 6,296,418	$ 6,296,418	$ 6,296,418	$ 6,296,418	$ 6,296,418	$ 6,296,418	$ 6,296,418	$ 6,296,418	$ 6,296,418	$ 6,296,418	$ 6,296,418
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (1,480,692)	$ (1,480,692)	$ (1,480,692)	$ (1,480,692)	$ (1,480,692)	$ (1,480,692)	$ (1,480,692)	$ (1,480,692)	$ (1,480,692)	$ (1,480,692)	$ (1,480,692)	$ (1,480,692)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ 5,298,830	$ 4,815,725	$ 4,815,725	$ 4,815,725	$ 4,815,725	$ 4,815,725	$ 4,815,725	$ 4,815,725	$ 4,815,725	$ 4,815,725	$ 4,815,725	$ 4,815,725
Projected Cummulative Cashflow																
Cummulative Revenues					$ 1,505,445,178	$ 1,511,741,596	$ 1,518,038,013	$ 1,524,334,431	$ 1,530,630,849	$ 1,536,927,266	$ 1,543,223,684	$ 1,549,520,102	$ 1,555,816,519	$ 1,562,112,937	$ 1,568,409,355	$ 1,574,705,772
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (866,718,641)	$ (868,199,334)	$ (869,680,026)	$ (871,160,718)	$ (872,641,410)	$ (874,122,102)	$ (875,602,795)	$ (877,083,487)	$ (878,564,179)	$ (880,044,871)	$ (881,525,563)	$ (883,006,255)
Subtotal		10/2013	12/2057	531	**$ 638,726,537**	**$ 643,542,262**	**$ 648,357,988**	**$ 653,173,713**	**$ 657,989,439**	**$ 662,805,164**	**$ 667,620,889**	**$ 672,436,615**	**$ 677,252,340**	**$ 682,068,066**	**$ 686,883,791**	**$ 691,699,517**

Preliminary and Subject to Revision

Strategic Plan (Updated 02/04/2013)

Project Distance: 57.3 Mi

CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2055 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 713,398	$ 713,398	$ 713,398	$ 713,398	$ 713,398	$ 713,398	$ 713,398	$ 713,398	$ 713,398	$ 713,398	$ 713,398	$ 713,398
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 487,936	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ 2,085,417	$ 2,085,417	$ 2,085,417	$ 2,085,417	$ 2,085,417	$ 2,085,417	$ 2,085,417	$ 2,085,417	$ 2,085,417	$ 2,085,417	$ 2,085,417	$ 2,085,417
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ 3,760,667	$ 3,760,667	$ 3,760,667	$ 3,760,667	$ 3,760,667	$ 3,760,667	$ 3,760,667	$ 3,760,667	$ 3,760,667	$ 3,760,667	$ 3,760,667	$ 3,760,667
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 7,047,417	$ 6,559,481	$ 6,559,481	$ 6,559,481	$ 6,559,481	$ 6,559,481	$ 6,559,481	$ 6,559,481	$ 6,559,481	$ 6,559,481	$ 6,559,481	$ 6,559,481
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ (500,715)	$ (500,715)	$ (500,715)	$ (500,715)	$ (500,715)	$ (500,715)	$ (500,715)	$ (500,715)	$ (500,715)	$ (500,715)	$ (500,715)	$ (500,715)
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ (912,660)	$ (912,660)	$ (912,660)	$ (912,660)	$ (912,660)	$ (912,660)	$ (912,660)	$ (912,660)	$ (912,660)	$ (912,660)	$ (912,660)	$ (912,660)
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (1,547,209)	$ (1,547,209)	$ (1,547,209)	$ (1,547,209)	$ (1,547,209)	$ (1,547,209)	$ (1,547,209)	$ (1,547,209)	$ (1,547,209)	$ (1,547,209)	$ (1,547,209)	$ (1,547,209)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 7,047,417	$ 6,559,481	$ 6,559,481	$ 6,559,481	$ 6,559,481	$ 6,559,481	$ 6,559,481	$ 6,559,481	$ 6,559,481	$ 6,559,481	$ 6,559,481	$ 6,559,481
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (1,547,209)	$ (1,547,209)	$ (1,547,209)	$ (1,547,209)	$ (1,547,209)	$ (1,547,209)	$ (1,547,209)	$ (1,547,209)	$ (1,547,209)	$ (1,547,209)	$ (1,547,209)	$ (1,547,209)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ 5,500,208	$ 5,012,272	$ 5,012,272	$ 5,012,272	$ 5,012,272	$ 5,012,272	$ 5,012,272	$ 5,012,272	$ 5,012,272	$ 5,012,272	$ 5,012,272	$ 5,012,272
Projected Cummulative Cashflow																
Cummulative Revenues					$ 1,581,753,189	$ 1,588,312,670	$ 1,594,872,151	$ 1,601,431,632	$ 1,607,991,113	$ 1,614,550,594	$ 1,621,110,075	$ 1,627,669,556	$ 1,634,229,037	$ 1,640,788,518	$ 1,647,347,999	$ 1,653,907,480
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (884,553,464)	$ (886,100,673)	$ (887,647,882)	$ (889,195,091)	$ (890,742,300)	$ (892,289,508)	$ (893,836,717)	$ (895,383,926)	$ (896,931,135)	$ (898,478,344)	$ (900,025,552)	$ (901,572,761)
Subtotal		10/2013	12/2057	531	**$ 697,199,724**	**$ 702,211,997**	**$ 707,224,269**	**$ 712,236,541**	**$ 717,248,813**	**$ 722,261,085**	**$ 727,273,358**	**$ 732,285,630**	**$ 737,297,902**	**$ 742,310,174**	**$ 747,322,446**	**$ 752,334,718**

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)

Project Distance: 57.3 Mi

CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2056 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 720,532	$ 720,532	$ 720,532	$ 720,532	$ 720,532	$ 720,532	$ 720,532	$ 720,532	$ 720,532	$ 720,532	$ 720,532	$ 720,532
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 492,815	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ 2,184,917	$ 2,184,917	$ 2,184,917	$ 2,184,917	$ 2,184,917	$ 2,184,917	$ 2,184,917	$ 2,184,917	$ 2,184,917	$ 2,184,917	$ 2,184,917	$ 2,184,917
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ 3,927,083	$ 3,927,083	$ 3,927,083	$ 3,927,083	$ 3,927,083	$ 3,927,083	$ 3,927,083	$ 3,927,083	$ 3,927,083	$ 3,927,083	$ 3,927,083	$ 3,927,083
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 7,325,347	$ 6,832,532	$ 6,832,532	$ 6,832,532	$ 6,832,532	$ 6,832,532	$ 6,832,532	$ 6,832,532	$ 6,832,532	$ 6,832,532	$ 6,832,532	$ 6,832,532
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ (526,102)	$ (526,102)	$ (526,102)	$ (526,102)	$ (526,102)	$ (526,102)	$ (526,102)	$ (526,102)	$ (526,102)	$ (526,102)	$ (526,102)	$ (526,102)
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ (956,830)	$ (956,830)	$ (956,830)	$ (956,830)	$ (956,830)	$ (956,830)	$ (956,830)	$ (956,830)	$ (956,830)	$ (956,830)	$ (956,830)	$ (956,830)
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (1,616,766)	$ (1,616,766)	$ (1,616,766)	$ (1,616,766)	$ (1,616,766)	$ (1,616,766)	$ (1,616,766)	$ (1,616,766)	$ (1,616,766)	$ (1,616,766)	$ (1,616,766)	$ (1,616,766)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 7,325,347	$ 6,832,532	$ 6,832,532	$ 6,832,532	$ 6,832,532	$ 6,832,532	$ 6,832,532	$ 6,832,532	$ 6,832,532	$ 6,832,532	$ 6,832,532	$ 6,832,532
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (1,616,766)	$ (1,616,766)	$ (1,616,766)	$ (1,616,766)	$ (1,616,766)	$ (1,616,766)	$ (1,616,766)	$ (1,616,766)	$ (1,616,766)	$ (1,616,766)	$ (1,616,766)	$ (1,616,766)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ 5,708,581	$ 5,215,766	$ 5,215,766	$ 5,215,766	$ 5,215,766	$ 5,215,766	$ 5,215,766	$ 5,215,766	$ 5,215,766	$ 5,215,766	$ 5,215,766	$ 5,215,766
Projected Cummulative Cashflow																
Cummulative Revenues					$ 1,661,232,826	$ 1,668,065,358	$ 1,674,897,890	$ 1,681,730,421	$ 1,688,562,953	$ 1,695,395,484	$ 1,702,228,016	$ 1,709,060,548	$ 1,715,893,079	$ 1,722,725,611	$ 1,729,558,143	$ 1,736,390,674
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (903,189,527)	$ (904,806,292)	$ (906,423,058)	$ (908,039,823)	$ (909,656,589)	$ (911,273,355)	$ (912,890,120)	$ (914,506,886)	$ (916,123,651)	$ (917,740,417)	$ (919,357,182)	$ (920,973,948)
Subtotal		10/2013	12/2057	531	**$ 758,043,299**	**$ 763,259,066**	**$ 768,474,832**	**$ 773,690,598**	**$ 778,906,364**	**$ 784,122,130**	**$ 789,337,896**	**$ 794,553,662**	**$ 799,769,428**	**$ 804,985,194**	**$ 810,200,960**	**$ 815,416,727**

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)
Project Distance: 57.3 Mi
CC at Letting : $726,124,096

Development Tasks	Total Cost	Start Date	End Date	Duration (Months)	2057 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue																
Veh. Reg. Fund (Hidalgo County)	$ 305,426,391	01/2014	12/2057	528	$ 727,737	$ 727,737	$ 727,737	$ 727,737	$ 727,737	$ 727,737	$ 727,737	$ 727,737	$ 727,737	$ 727,737	$ 727,737	$ 727,737
TRZ (Hidalgo County)	$ 17,408,290	01/2014	01/2057	517	$ 497,743	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Toll Revenue - IBTC	$ 474,721,000	07/2018	12/2057	474	$ 2,288,500	$ 2,288,500	$ 2,288,500	$ 2,288,500	$ 2,288,500	$ 2,288,500	$ 2,288,500	$ 2,288,500	$ 2,288,500	$ 2,288,500	$ 2,288,500	$ 2,288,500
Toll Revenue - SH 365 Ph I + Ph II	$ 873,774,000	07/2018	12/2057	474	$ 4,099,750	$ 4,099,750	$ 4,099,750	$ 4,099,750	$ 4,099,750	$ 4,099,750	$ 4,099,750	$ 4,099,750	$ 4,099,750	$ 4,099,750	$ 4,099,750	$ 4,099,750
Cat 10 Demo - Sh 365 Ph I	$ 491,964	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 High Priority - Sh 365 Ph I	$ 1,001,475	07/2014	07/2014	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 12 - Comm. Discretionary (SH365+IBTC)	$ 137,055,735	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cat 10 - CBI - US 281 Military Highway	$ 5,600,000	07/2017	07/2017	1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ETT Lease w/in IBTC (ROW+Utils.)	$ 6,801,406	08/2019	08/2028	109	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ 1,822,280,261	01/2014	12/2057	528	$ 7,613,730	$ 7,115,987	$ 7,115,987	$ 7,115,987	$ 7,115,987	$ 7,115,987	$ 7,115,987	$ 7,115,987	$ 7,115,987	$ 7,115,987	$ 7,115,987	$ 7,115,987
Capital Expenses																
IBTC (Segs. 1&2)	$ (174,569,985)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Segs. 1&2)	$ (213,128,842)	01/2014	06/2018	54	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ (23,114,282)	01/2014	06/2016	30	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
SH 365 Ph 2 (Seg. 4)	$ (394,320)	01/2014	08/2014	8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Section C	$ (1,011,843)	06/2022	04/2023	11	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subtotal	$ (412,219,273)	01/2014	04/2023	112	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Operational Expenses																
IBTC	$ (174,352,036)	07/2018	12/2057	474	$ (552,732)	$ (552,732)	$ (552,732)	$ (552,732)	$ (552,732)	$ (552,732)	$ (552,732)	$ (552,732)	$ (552,732)	$ (552,732)	$ (552,732)	$ (552,732)
SH 365 Ph I + Ph II	$ (284,984,821)	07/2018	12/2057	474	$ (1,002,929)	$ (1,002,929)	$ (1,002,929)	$ (1,002,929)	$ (1,002,929)	$ (1,002,929)	$ (1,002,929)	$ (1,002,929)	$ (1,002,929)	$ (1,002,929)	$ (1,002,929)	$ (1,002,929)
HCRMA G&A	$ (69,691,750)	10/2013	12/2057	531	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)	$ (133,833)
Subtotal	$ (529,028,607)	10/2013	12/2057	531	$ (1,689,494)	$ (1,689,494)	$ (1,689,494)	$ (1,689,494)	$ (1,689,494)	$ (1,689,494)	$ (1,689,494)	$ (1,689,494)	$ (1,689,494)	$ (1,689,494)	$ (1,689,494)	$ (1,689,494)
Projected Net Cashflow																
Projected Revenues	$ 1,822,280,261				$ 7,613,730	$ 7,115,987	$ 7,115,987	$ 7,115,987	$ 7,115,987	$ 7,115,987	$ 7,115,987	$ 7,115,987	$ 7,115,987	$ 7,115,987	$ 7,115,987	$ 7,115,987
Projected Capital & Operating Costs	$ (941,247,880)	10/2013	12/2057	531	$ (1,689,494)	$ (1,689,494)	$ (1,689,494)	$ (1,689,494)	$ (1,689,494)	$ (1,689,494)	$ (1,689,494)	$ (1,689,494)	$ (1,689,494)	$ (1,689,494)	$ (1,689,494)	$ (1,689,494)
Subtotal	$ 881,032,381	10/2013	12/2057	531	$ 5,924,236	$ 5,426,493	$ 5,426,493	$ 5,426,493	$ 5,426,493	$ 5,426,493	$ 5,426,493	$ 5,426,493	$ 5,426,493	$ 5,426,493	$ 5,426,493	$ 5,426,493
Projected Cummulative Cashflow																
Cummulative Revenues					$ 1,744,004,404	$ 1,751,120,391	$ 1,758,236,378	$ 1,765,352,365	$ 1,772,468,352	$ 1,779,584,339	$ 1,786,700,326	$ 1,793,816,313	$ 1,800,932,300	$ 1,808,048,287	$ 1,815,164,274	$ 1,822,280,261
Cummulative Capital & Operating Costs		10/2013	12/2057	531	$ (922,663,442)	$ (924,352,937)	$ (926,042,431)	$ (927,731,925)	$ (929,421,420)	$ (931,110,914)	$ (932,800,408)	$ (934,489,903)	$ (936,179,397)	$ (937,868,891)	$ (939,558,386)	$ (941,247,880)
Subtotal		10/2013	12/2057	531	**$ 821,340,962**	**$ 826,767,455**	**$ 832,193,947**	**$ 837,620,440**	**$ 843,046,933**	**$ 848,473,425**	**$ 853,899,918**	**$ 859,326,410**	**$ 864,752,903**	**$ 870,179,395**	**$ 875,605,888**	**$ 881,032,381**

Preliminary and
Subject to Revision

HCRMA
HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY
DANNENBAUM - PROGRAM MANAGER

Strategic Plan Update – Project Detail/Assumptions

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)
Project Assumptions (IBTC (Segs. 1&2))

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DANNENBAUM - PROGRAM MANAGER

I.	Construction Cost (CC):	Cost (2013 Dollars)	Distance (Miles)	Cost (At Letting)[1]	Constr. Start (date)	Constr. End (date)
0010	IBTC (Segs. 1&2)	$ 101,112,463	9.65	$ 108,252,538	1/2/2016	6/29/2018

Note(s): 1. All construction costs are escalated from Base Constr Cost Estimate Date to the midpoint of the construction period at 2.125% per year.
2. Total Construction Costs include additional 7% for toll facilities for Projects 0040 - 0090.
3. IBTC Phase 1 from SH 365 to I-2 based on peliminary Value Engineering findings and savings of $62M. Phase 2 would consist of the "Donna Leg" fromFM 493 to the IBTC Valley View interchange.
4. IBTC will be environmentally cleared, and HCRMA would intend to conduct advanced planning, PS&E, and utility relocations for the entire footprint (Phase 1+2).

II.	Development Tasks:	Cost as % of CC	Start Date	End Date	Months	Cost per Mile	Basis of Cost	Total Cost	Based on $163.9M CC
Task	**Advanced Planning**								
03	Environmental Clearance (incld. mitigation as ne	1.780%	02/10/14	05/29/15	16	$ 186,528	n/a	$ 1,800,000	<< 1.5M Mitigation
04	Schem. Update (complete)	0.000%	01/01/14	01/01/14	1	$ -	percent	$ -	
06	Survey (aerial+ctrl+topo+corners)	0.059%	03/01/14	04/30/14	2	$ 6,218	percent	$ 60,000	
07	Survey (ROW strip+parcel maps)	0.877%	02/03/14	09/30/14	8	$ 91,876	percent	$ 886,600	
05	Permits	0.148%	06/30/14	02/01/15	9	$ 15,544	percent	$ 150,000	
10	T&R Studies/Projections	0.089%	12/01/14	04/30/15	5	$ 9,326	percent	$ 90,000	
	Subtotal							*$ 2,986,600*	
Task	**Design**								
15	PS&E / Geotech. (incld. drain.+util. research)	5.519%	03/01/14	01/30/15	11	$ 937,270	percent	$ 9,044,653	
23	Toll Consultant	0.269%	03/01/14	01/30/15	11	$ 45,648	percent	$ 440,500	
22	Comp. Utils. & Drn Outfalls (Design+ROW+CC)	7.683%	06/02/14	10/30/15	17	$ 1,304,824	percent	$ 12,591,551	<< 2.1M in Outfall Dev.
	Subtotal							*$ 22,076,704*	
Task	**Property Purchase**								
09	ROW Acquisition Svcs (title commit.+appraisal+a	3.772%	06/02/14	07/31/15	14	$ 395,262	percent	$ 3,814,274	
09	Purchase ROW	28.267%	06/02/14	07/31/15	14	$ 2,331,258	n/a	$ 28,581,219	
	Subtotal							*$ 32,395,493*	
Task	**Construction Cost**								
00	Bid Phase (incld. in mgt.)		09/01/15	12/31/15	4	$ -	n/a	$ -	
18	Construction (incld. escalation)		01/02/16	06/29/18	30	$ 11,217,880	n/a	$ 108,252,538	
	Subtotal							*$ 108,252,538*	
Task	**Management**								
00	PMC/GEC (Adv Plan./Des./ROW thru Bid Ph)	3.095%	01/02/14	12/31/15	24	$ 347,215	percent	$ 3,350,623	
00	PMC/GEC (Constr to Closeout)	0.834%	01/02/16	06/29/18	30	$ 93,535	percent	$ 902,615	
17	Constr Mgt (Constr to Closeout) (by PMC+HCRM	1.962%	01/02/16	06/29/18	30	$ 220,065	percent	$ 2,123,624	
18	Inspection (by HCRMA)	0.793%	01/02/16	06/29/18	30	$ 88,912	percent	$ 858,000	
18	Material Testing (by Others)	1.500%	01/02/16	06/29/18	30	$ 168,268	percent	$ 1,623,788	
	Subtotal							*$ 8,858,650*	
	Total Development Cost	**56.646%**	**01/01/14**	**06/29/18**	**54**			**$ 174,569,985**	

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III.	Advanced Planning Services:		Cost per Mile
1	Schematics (incld. drain. study / util. reloc.)	$	-
2	Survey (aerial+topo)	$	6,218
3	Survey (ROW mapping)	$	91,876
4	ROW Acquisition Documents	$	395,262

IV.	Land Cost:			
1	R.O.W. area		580.7	acres
2	Cost / acre =	$	49,223	/ acre
3	Cost / mile =	$	2,331,258	/ mile

(a) Based on latest 4-lane schematic (01/2014) for the entire project (Segs. 1-3).
(b) Parcel count = 286.

V.	Other Assumptions:				
1	Land cost (per square foot)	$	1.13	/ft^2	
2	Ave Parcels per Mile		22	parcels/mile	
3	Right of Entry (research, parcel map, corresp.	$	500	/ parcel	
4	Survey (Topo) - Infill + low level flight	$	29,665	/ mile	Includes low level flight
5	Survey (R.O.W.) - stripmap + parcel plats	$	3,100	/ parcel	
6	R.O.W. acquisition svcs incld. title reports / a	$	13,337	/ parcel	
7	Tollroad Construction Cost	$	10,477,975	/ mile	

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)
Project Assumptions (SH 365 Ph 1 (Segs. 1&2))

HCRMA
DANNENBAUM - PROGRAM MANAGER

I.	Construction Cost (CC):	Cost (2013 Dollars)	Distance (Miles)	Cost (At Letting)[1]	Constr. Start (date)	Constr. End (date)
0030	SH 365 Ph 1 (Segs. 1&2)	$ 131,744,306	13.31	$ 141,047,455	1/2/2016	6/29/2018

Note(s): 1. All construction costs are escalated from Base Constr Cost Estimate Date to the midpoint of the construction period at 2.125% per year.
2. Total Construction Costs include additional 7% for toll facilities for Projects 0040 - 0090.

II.	Development Tasks:	Cost as % of CC	Start Date	End Date	Months	Cost per Mile	Basis of Cost	Total Cost	
Task	**Advanced Planning**								
03	Environmental Clearance (incld. mitigation as ne	1.339%	01/20/14	10/01/14	10	$ 132,583	n/a	$ 1,764,685	<< 1.5M Mitigation
04	Schem. (+engineering for drain. & util. research)	0.097%	01/01/14	01/20/14	1	$ 9,588	percent	$ 127,622	
06	Survey (aerial+ctrl+topo+corners)	0.000%	01/01/14	01/20/14	1	$ -	percent	$ -	
07	Survey (ROW strip+parcel maps)	0.496%	01/20/14	08/20/14	8	$ 49,144	percent	$ 654,100	
05	Permits	0.114%	04/01/14	11/30/14	8	$ 11,270	percent	$ 150,000	
10	T&R Studies/Projections (investment grade)	0.068%	12/01/14	04/30/15	5	$ 6,762	percent	$ 90,000	
	Subtotal							*$ 2,786,407*	
Task	**Design**								
15	PS&E / Geotech. (less drain.+util. research)	5.759%	01/20/14	01/20/15	13	$ 569,992	percent	$ 7,586,595	
23	Toll Consultant	0.334%	01/20/14	01/20/15	13	$ 33,095	percent	$ 440,500	
22	Comp. Utils. & Drn Outfalls (Design+ROW+CC)	11.487%	03/03/14	10/01/15	20	$ 1,136,966	percent	$ 15,133,023	<< 9.5M in Outfall Dev.
	Subtotal							*$ 23,160,118*	
Task	**Property Purchase**								
09	ROW Acquisition Svcs (title commit.+appraisal+a	2.043%	03/17/14	06/15/15	16	$ 202,262	percent	$ 2,692,101	
09	Purchase ROW	25.634%	03/17/14	06/15/15	16	$ 2,537,323	area	$ 33,771,767	
	Subtotal							*$ 36,463,868*	
Task	**Construction Cost**								
00	Bid Phase (incld. in mgt.)		09/01/15	12/31/15	4	$ -	n/a	$ -	
18	Construction (incld. escalation)		01/02/16	06/29/18	30	$ 10,597,104	n/a	$ 141,047,455	
	Subtotal							*$ 141,047,455*	
Task	**Management**								
00	PMC/GEC (Adv Plan./Des./ROW thru Bid Ph)	2.359%	01/01/14	12/31/15	24	$ 250,026	percent	$ 3,327,843	
00	PMC/GEC (Constr to Closeout)	0.640%	01/02/16	06/29/18	30	$ 67,815	percent	$ 902,615	
17	Constr Mgt (Constr to Closeout) (by PMC+HCRM	1.506%	01/02/16	06/29/18	30	$ 159,551	percent	$ 2,123,624	
18	Inspection (by HCRMA)	0.852%	01/02/16	06/29/18	30	$ 90,248	percent	$ 1,201,200	
18	Material Testing (by Others)	1.500%	01/02/16	06/29/18	30	$ 158,957	percent	$ 2,115,712	
	Subtotal							*$ 9,670,994*	
	Total Development Cost	**54.229%**	**01/01/14**	**06/29/18**	**54**			**$ 213,128,842**	

Preliminary and
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HCRMA
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DANNENBAUM - PROGRAM MANAGER

III.	Advanced Planning Services:		Cost per Mile
1	Schematics (incld. drain. study / util. reloc.)	$	9,588
2	Survey (aerial+topo)	$	-
3	Survey (ROW mapping)	$	49,144
4	ROW Acquisition Documents	$	202,262

IV.	Land Cost:			
1	R.O.W. area		549.5	acres
2	Cost / acre =	$	61,463	/ acre
3	Cost / mile =	$	2,537,323	/ mile

(a) Based on latest 4-lane schematic (01/2014) for Segs 1+2.
(b) Parcel count = 211.

V.	Other Assumptions:			
1	Land cost (per square foot)	$	1.41	/ft^2
2	Ave Parcels per Mile		16	parcels/mile
3	Right of Entry (research, parcel map, corresp.	$	500	/ parcel
4	Survey (Topo) - Infill + low level flight	$	5,000	/ mile
5	Survey (R.O.W.) - stripmap + parcel plats	$	3,100	/ parcel
6	R.O.W. acquisition svcs incld. title reports / a	$	12,759	/ parcel
7	Tollroad Construction Cost	$	9,898,145	/ mile

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)
Project Assumptions (SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP)

HCRMA
HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY
DANNENBAUM - PROGRAM MANAGER

I.	Construction Cost (CC):	Cost (2011 Dollars)	Distance (Miles)	Cost (At Letting)[1]	Constr. Start (date)	Constr. End (date)
0033	SH 365 Ph 1 (Seg. 3) US 281 Mil/Hwy + OP	$ 17,043,412	1.84	$ 17,665,442	12/1/2014	6/30/2016

Note(s): 1. All construction costs are escalated from Base Constr Cost Estimate Date to the midpoint of the construction period at 2.125% per year.
2. Total Construction Costs include additional 7% for toll facilities for Projects 0040 - 0090.

II.	Development Tasks:	Cost as % of CC	Start Date	End Date	Months	Cost per Mile	Basis of Cost	Total Cost
Task	**Advanced Planning**							
03	Environmental Clearance (incld. mitigation as ne	0.000%	01/20/14	10/01/14	10	$ -	n/a	$ -
04	Schem. (+engineering for drain. & util. research)	1.154%	01/01/14	01/20/14	1	$ 106,849	percent	$ 196,602
06	Survey (ctrl+topo+corners)	0.300%	01/01/14	01/20/14	1	$ -	percent	$ -
07	Survey (ROW strip+parcel maps)	0.346%	01/20/14	03/03/14	3	$ 32,011	percent	$ 58,900
05	Permits	0.110%	04/01/14	11/30/14	8	$ 10,189	percent	$ 18,748
10	T&R Studies/Projections	0.000%				$ -	percent	$ -
	Subtotal							*$ 274,250*
Task	**Design**							
15	PS&E / Geotech. (less drain.+util. research)	6.646%	01/20/14	07/18/14	7	$ 615,558	percent	$ 1,132,627
23	Toll Consultant	0.000%				$ -	percent	$ -
22	Comp. Utils. & Drn Outfalls (Design+ROW+CC)	7.643%	03/03/14	10/01/14	8	$ 707,968	percent	$ 1,302,661
	Subtotal							*$ 2,435,288*
Task	**Property Purchase**							
09	ROW Acquisition Svcs (title commit.+appraisal+a	1.325%	02/24/14	05/30/14	4	$ 122,757	percent	$ 225,872
09	Purchase ROW	9.315%	02/24/14	05/30/14	4	$ 862,820	area	$ 1,587,589
	Subtotal							*$ 1,813,461*
Task	**Construction Cost**							
00	Bid Phase (incld. in mgt.)		09/01/14	11/28/14	3	$ -	n/a	$ -
18	Construction (incld. escalation)		12/01/14	06/30/16	19	$ 9,600,784	n/a	$ 17,665,442
	Subtotal							*$ 17,665,442*
Task	**Management**							
00	PMC/GEC (Adv Plan./Des./ROW thru Bid Ph)	0.000%	01/01/14	11/28/14	11	$ -	percent	$ -
00	PMC/GEC (Constr to Closeout)	0.000%	12/01/14	06/30/16	19	$ -	percent	$ -
17	Constr Mgt (Constr to Closeout) (by PMC+HCRM	2.203%	12/01/14	06/30/16	19	$ 211,499	percent	$ 389,159
18	Inspection (by HCRMA)	1.538%	12/01/14	06/30/16	19	$ 147,663	percent	$ 271,700
18	Material Testing (by Others)	1.500%	12/01/14	06/30/16	19	$ 144,012	percent	$ 264,982
	Subtotal							*$ 925,841*
	Total Development Cost	**32.079%**	**01/01/14**	**06/30/16**	**30**			**$ 23,114,282**

Paid by Local Funds Includ. in SH 365 Ph I Budget

Preliminary and Subject to Revision

HCRMA
HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY
DANNENBAUM - PROGRAM MANAGER

III.	Advanced Planning Services:		Cost per Mile
1	Schematics (incld. drain. study / util. reloc.)	$	106,849
2	Survey (aerial+topo)	$	-
3	Survey (ROW mapping)	$	32,011
4	ROW Acquisition Documents	$	122,757

IV.	Land Cost:			
1	R.O.W. area		25.8	acres
2	Cost / acre =	$	61,463	/ acre
3	Cost / mile =	$	862,820	/ mile

(a) Based on latest 4-lane schematic (01/2014) for Seg 3.
(b) Parcel count = 19.

V.	Other Assumptions:			
1	Land cost (per square foot)	$	1.41	/ft^2
2	Ave Parcels per Mile		10	parcels/mile
3	Right of Entry (research, parcel map, corresp.	$	500	/ parcel
4	Survey (Topo) - Infill + low level flight	$	5,000	/ mile
5	Survey (R.O.W.) - stripmap + parcel plats	$	3,100	/ parcel
6	R.O.W. acquisition svcs incld. title reports / a	$	11,888	/ parcel
7	Tollroad Construction Cost	$	9,262,724	/ mile

Preliminary and
Subject to Revision

Strategic Plan (Updated 02/04/2013)
Project Assumptions (SH 365 Ph 2 (Seg. 4))

HCRMA
HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY
DANNENBAUM - PROGRAM MANAGER

I.	Construction Cost (CC):	Cost (2011 Dollars)	Distance (Miles)	Cost (At Letting)[1]	Constr. Start (date)	Constr. End (date)
0034	SH 365 Ph 2 (Seg. 4)	$ 28,756,847	2.65	$ 38,837,733	12/1/2025	7/3/2028

Note(s): 1. All construction costs are escalated from Base Constr Cost Estimate Date to the midpoint of the construction period at 2.125% per year.
2. Total Construction Costs include additional 7% for toll facilities for Projects 0040 - 0090.

II.	Development Tasks:	Cost as % of CC	Start Date	End Date	Months	Cost per Mile	Basis of Cost	Total Cost
Task	**Advanced Planning**							
03	Environmental Clearance (incld. mitigation as ne	0.185%	01/20/14	10/01/14	10	$ -	n/a	
04	Schem. (+engineering for drain. & util. research)	1.500%	01/01/14	01/20/14	1	$ -	percent	
06	Survey (aerial+ctrl+topo+corners)	0.125%	01/01/14	01/20/14	1	$ -	percent	
07	Survey (ROW strip+parcel maps)	1.371%	01/20/14	08/20/14	8	$ 148,800	percent	$ 394,320
05	Permits	0.125%	08/01/23	10/01/24	15	$ 13,586	percent	$ 36,004
10	T&R Studies/Projections	0.150%	01/02/25	05/01/25	5	$ 16,277	percent	$ 43,135
	Subtotal							*$ 473,459*
Task	**Design**							
15	PS&E / Geotech. (less drain.+util. research)	5.500%	02/01/23	02/01/24	13	$ 596,840	percent	$ 1,581,627
23	Toll Consultant	0.300%	02/01/23	02/01/24	13	$ 32,555	percent	$ 86,271
22	Comp. Utils. & Drn Outfalls (Design+ROW+CC)	5.000%	03/31/23	09/01/25	31	$ 542,582	percent	$ 1,437,842
	Subtotal							*$ 3,105,740*
Task	**Property Purchase**							
09	ROW Acquisition Svcs (title commit.+appraisal+a	2.130%	05/01/23	10/24/24	18	$ 231,102	percent	$ 612,421
09	Purchase ROW	11.670%	05/01/23	10/24/24	18	$ 1,266,370	area	$ 3,355,880
	Subtotal							*$ 3,968,301*
Task	**Construction Cost**							
00	Bid Phase (incld. in mgt.)		09/01/25	12/01/25	4	$ -	n/a	$ -
18	Construction (incld. escalation)		12/01/25	07/03/28	32	$ 14,655,748	n/a	$ 38,837,733
	Subtotal							*$ 38,837,733*
Task	**Management**							
00	PMC/GEC (Adv Plan./Des./ROW thru Bid Ph)	2.50%	01/02/23	12/01/25	36	$ 366,394	percent	$ 970,943
00	PMC/GEC (Constr to Closeout)	1.00%	12/01/25	07/03/28	32	$ 146,557	percent	$ 388,377
17	Constr Mgt (Constr to Closeout) (by PMC+HCRM	2.00%	12/01/25	07/03/28	32	$ 293,115	percent	$ 776,755
18	Inspection (by HCRMA)	1.00%	12/01/25	07/03/28	32	$ 146,557	percent	$ 388,377
18	Material Testing (by Others)	1.50%	12/01/25	07/03/28	32	$ 219,836	percent	$ 582,566
	Subtotal							*$ 3,107,018*
	Total Development Cost	**36.056%**	**01/01/14**	**07/03/28**	**175**			**$ 49,492,251**

Paid by Local Funds Incld. in SH 365 Ph I Budget

Preliminary and Subject to Revision

HCRMA
HARRIS COUNTY REGIONAL MOBILITY AUTHORITY
DANNENBAUM - PROGRAM MANAGER

III.	Advanced Planning Services:		Cost per Mile
1	Schematics (incld. drain. study / util. reloc.)	$	-
2	Survey (aerial+topo)	$	-
3	Survey (ROW mapping)	$	148,800
4	ROW Acquisition Documents	$	231,102

V.	Other Assumptions:			
1	Land cost (per square foot)	$	1.41	/ft^2
2	Ave Parcels per Mile		16	parcels/mile
3	Right of Entry (research, parcel map, corresp.	$	500	/ parcel
4	Survey (Topo) - Infill + low level flight	$	5,000	/ mile
5	Survey (R.O.W.) - stripmap + parcel plats	$	3,100	/ parcel
6	R.O.W. acquisition svcs incld. title reports / a	$	12,759	/ parcel
7	Tollroad Construction Cost	$	10,851,640	/ mile

IV.	Land Cost:			
1	R.O.W. area		54.6	acres
2	Cost / acre =	$	61,463	/ acre
3	Cost / mile =	$	1,266,370	/ mile

(a) Based on 300-ft R.O.W. x 5280-ft/mile ÷ 43560 ft2/acre for 80% of the project and a 400-ft R.O.W. x 5280-ft/mile ÷ 43560 ft2/acre for 20% to account for bridge areas.
(b) Parcel count = 48.

Preliminary and
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Strategic Plan (Updated 02/04/2013)
Project Assumptions (Section C)

HCRMA
HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY
DANNENBAUM - PROGRAM MANAGER

I.	Construction Cost (CC):	Cost (2011 Dollars)	Distance (Miles)	Cost (At Letting)[1]	Constr. Start (date)	Constr. End (date)
0060	Section C	$ 306,619,200	29.85	$ 420,320,928	6/1/2025	6/1/2028

Note(s): 1. All construction costs are escalated from Base Constr Cost Estimate Date to the midpoint of the construction period at 2.125% per year.
2. Total Construction Costs include additional 7% for toll facilities for Projects 0040 - 0090.

II.	Development Tasks:	Cost as % of CC	Start Date	End Date	Months	Cost per Mile	Basis of Cost	Total Cost
Task	**Advanced Planning**							
03	Environmental Clearance (incld. mitigation as ne	0.500%	10/01/20	05/01/22	20	$ 51,360	n/a	$ 1,533,096
04	Schem. (+engineering for drain. & util. research)	1.000%	10/01/20	11/01/21	14	$ 102,720	percent	$ 3,066,192
06	Survey (aerial+ctrl+topo+corners)	0.400%	10/01/20	04/01/21	7	$ 41,088	percent	$ 1,226,477
07	Survey (ROW strip+parcel maps)	0.330%	06/02/22	04/01/23	11	$ 33,898	percent	$ 1,011,843
05	Permits	0.074%	01/02/24	09/01/24	9	$ 7,601	percent	$ 226,898
10	T&R Studies/Projections	0.175%	10/01/23	03/01/24	6	$ 17,976	percent	$ 536,584
	Subtotal							*$ 7,601,090*
Task	**Design**							
15	PS&E / Geotech. (less drain.+util. research)	5.500%	01/02/24	09/01/24	9	$ 564,960	percent	$ 16,864,056
23	Toll Consultant	0.300%	10/01/23	05/01/24	8	$ 30,816	percent	$ 919,858
22	Comp. Utils. & Drn Outfalls (Design+ROW+CC)	5.000%	06/01/22	10/01/24	29	$ 513,600	percent	$ 15,330,960
	Subtotal							*$ 33,114,874*
Task	**Property Purchase**							
09	ROW Acquisition Svcs (title commit.+appraisal+a	2.570%	06/02/22	01/02/24	20	$ 264,000	percent	$ 7,880,400
09	Purchase ROW	18.593%	03/02/22	10/01/24	32	$ 1,909,845	area	$ 57,008,873
	Subtotal							*$ 64,889,273*
Task	**Construction Cost**							
00	Bid Phase (incld. in mgt.)		02/01/25	06/01/25	5	$ -	n/a	$ -
18	Construction (incld. escalation)		06/01/25	06/01/28	37	$ 14,081,103	n/a	$ 420,320,928
	Subtotal							*$ 420,320,928*
Task	**Management**							
00	PMC/GEC (Adv Plan./Des./ROW thru Bid Ph)	2.50%	10/01/20	06/01/25	57	$ 352,028	percent	$ 10,508,023
00	PMC/GEC (Constr to Closeout)	1.00%	06/01/25	06/01/28	37	$ 140,811	percent	$ 4,203,209
17	Constr Mgt (Constr to Closeout) (by PMC+HCRM	2.00%	06/01/25	06/01/28	37	$ 281,622	percent	$ 8,406,419
18	Inspection (by HCRMA)	1.00%	06/01/25	06/01/28	37	$ 140,811	percent	$ 4,203,209
18	Material Testing (by Others)	1.50%	06/01/25	06/01/28	37	$ 211,217	percent	$ 6,304,814
	Subtotal							*$ 33,625,674*
	Total Development Cost	**42.442%**	**10/01/20**	**06/01/28**	**93**			**$ 559,551,839**

Preliminary and
Subject to Revision

HCRMA
DANNENBAUM - PROGRAM MANAGER

III.	Advanced Planning Services:		Cost per Mile
1	Schematics (incld. drain. study / util. reloc.)	$	102,720
2	Survey (aerial+topo)	$	41,088
3	Survey (ROW mapping)	$	33,898
4	ROW Acquisition Documents	$	264,000

IV.	Land Cost:			
1	R.O.W. area		38.8	acres/mile
2	Cost / acre =	$	49,223	/ acre
3	Cost / mile =	$	1,909,845	/ mile

(a) Based on 300-ft R.O.W. x 5280-ft/mile ÷ 43560 ft2/acre for 80% of the project and a 400-ft R.O.W. x 5280-ft/mile ÷ 43560 ft2/acre for 20% to account for bridge areas.

V.	Other Assumptions:			
1	Land cost (per square foot)	$	1.13	/ft^2
2	Ave Parcels per Mile		22	parcels/mile
3	Right of Entry (research, parcel map, corresp.	$	500	/ parcel
4	Survey (Topo) - Infill + low level flight	$	29,665	/ mile
5	Survey (R.O.W.) - stripmap + parcel plats	$	3,100	/ parcel
6	R.O.W. acquisition svcs incld. title reports / a	$	12,000	/ parcel
7	Tollroad Construction Cost	$	10,272,000	/ mile

Preliminary and
Subject to Revision

HCRMA
HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY
DANNENBAUM - PROGRAM MANAGER

Strategic Plan Update – Financial Analysis

Preliminary and
Subject to Revision

Under Development

Preliminary and
Subject to Revision

Item 3B

HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY

AGENDA RECOMMENDATION FORM

BOARD OF DIRECTORS	**X**	**AGENDA ITEM**	**3B**
PLANNING COMMITTEE		**DATE SUBMITTED**	**2/11/14**
FINANCE COMMITTEE		**MEETING DATE**	**2/24/14**
TECHNICAL COMMITTEE			

1. Agenda Item: **RESOLUTION 2014-09 – APPROVAL OF SUPPLEMENTAL NUMBER 1 TO WORK AUTHORIZATION NUMBER 8 TO PROFESSIONAL SERVICE AGREEMENT WITH DANNENBAUM ENGINEERING FOR PROGRAM MANAGEMENT OF THE STATE HIGHWAY 365, INTERNATIONAL BRIDGE TRADE CORRIDOR AND OVERWEIGHT TRUCK CORRIDOR PROJECTS.**

2. Nature of Request: (Brief Overview) Attachments: X Yes ___No

   Approval of Supplemental 1 to Work Authorization No. 8 to Professional Service Agreementwith Dannanbaum Engineering to deduct program management work for SH 365, International Bridge Trade Corridor and Overweight Corridor Projects in the amount of $114,851.59 and to close out Work Authorization Number 8.

3. Policy Implication: Board Policy, Local Government, Texas Government Code, Texas Transportation Code, TxDOT Policy

4. Budgeted: X Yes ___No ___N/A Funding Source: VRF Bond

Approved maximum payable fee	$5,827,389.25
Approved Work Authorizations 1, 3, 4, 5, 6 w/ S1-6 & 8 *	$5,827,389.25
Maximum fee balance	($ 0.00)
Total authorized for WA 1, 3, 4, 5, 6 w/ S1-6 & 8	$5,827,389.25
Payments to date for WA 1, 3, 4, 5, 6 w/ S1-6 & 8	($5,395,381.37)
Work Authorization balance	$ 432,007.88

   *Proposed Work Authorization No. 7 with City of Pharr canceled

   Proposed Supplemental 1 to Work Authorization No. 8:

Continued Program Management SH 365, IBTC & OWV Permits	**($114,581.59)**
Total deduct proposed Supplemental 1 to Work Authorization No. 8	**($114,581.59)**

5. Staff Recommendation**: Motion to approve Resolution 2014-09 - Approval of Supplemental Number 1 to Work Authorization Number 8 to the Professional Service Agreement with Dannenbaum Engineering in the deduct amount of $114,581.59, subject to a deduct in the maximum payable fee in the amount of $114,581.59 for a revised amount of $5,712,807.66.**

6. Program Manager's Recommendation: ___Approved ___Disapproved **X** None

7. Planning Committee's Recommendation: ___Approved ___Disapproved **X** None

8. Board Attorney's Recommendation: ___Approved ___Disapproved **X** None

9. Chief Financial Officer's Recommendation: ___Approved ___Disapproved **X** None

10. Executive Director's Recommendation: **X** Approved ___Disapproved ___None

HCRMA
HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY

Memorandum

To: Dennis Burleson, Chairman

From: Pilar Rodriguez, PE, Executive Director

Date: February 11, 2014

Re: **Approval of Supplemental Number 1 to Work Authorization Number 8 to Professional Service Agreement with Dannenbaum Engineering**

Background

At the October 27, 2011, regular meeting, the Board of Directors awarded a professional service agreement for general engineering and program management services to Dannenbaum Engineering for a maximum payable amount of $5,000,000. Subsequently, the Board approved Work Authorizations No. 1, 3, 4, 5, 6, Supplemental 1, 2, 3, 4, 5 & 6 to Work Authorization No. 6 and Work Authorization Number 8 in the amounts of $909,960.63, $57,750.00, $891,814.61, $832,369.93, $689,834.33, $81,309.04, $149,120.30, $346,720.31, $1,437,465.41, $117,054.83 and $574,581.59 (Supplemental 6 to Work Authorization 6 was for no increase) respectively as discussed below.

Work Authorization No. 1 - was to review prior engineering, surveying, environmental and permitting work provided to the Hidalgo County Regional Mobility Authority (HCRMA).
Work Authorization No. 2 - was cancelled by the HCRMA Board.
Work Authorization No. 3 - was to provide title reports for the State Highway 365 (SH 365) Project.
Work Authorization No. 4 - was to update the new Executive Director, oversee the update of the Traffic & Revenue study, oversee environmental clearance/preliminary design of SH 365 and oversee various other tasks related to SH 365 and IBTC Projects.
Work Authorizations No. 5 & 6 - are to continue Program Management for SH 365 and International Bridge Trade Corridor (IBTC) Projects.
Supplemental No. 1 to Work Authorization No. 6 - was to provide a sketch level Traffic & Revenue Study for overweight trucks at the Pharr International Bridge and SH 365.
Supplemental No. 2 to Work Authorization No. 6 - was to provide a Value Engineering Study for the SH 365 Project.
Supplemental No. 3 to Work Authorization No. 6 - was to provide a low level aerial flight and topographic survey for the IBTC Project.
Supplemental No. 4 to Work Authorization No. 6 – was to provide updated TRZ parcels, implementation of overweight truck corridor, manage Engineers/Surveyors/Geotech for IBTC, local environment clearance of IBTC, negotiate final PS&E for SH 365, implement ProjectWise, evaluate Toll Integrator, manage Appraisers/Title Companies/ROW Agents, implement GIS for ROW Acquisition and perform value engineering for IBTC.
Supplemental No. 5 to Work Authorization No. 6 – was to provide non-destructive vertical utility locations for design of final PS&E for the SH 365 Project.
Supplemental No. 6 to Work Authorization No. 6 – was to revise the scope of services to include additional environmental coordination meeting required by TxDOT, as well as, analysis, meetings, exhibits and estimates for intervention in the Cross Valley Project.
Work Authorization No. 8 – was to provide continued program management for the SH 365 and Overweight Corridor Projects only.

Goal

Staff is proposing Supplemental Number 1 to Work Authorization No. 8 to the Professional Service Agreement with Dannenbuam Engineering to revise the scope of work to include efforts on the International Bridge Trade Corridor Project, with the balance of work of Work Authorization Number 8 deducted for the months of April, May and June 2014 in the amount of $114,581.59. Work Authorization 8 would also be closed out.

Attached you will find a detail for Supplemental 1 to Work Authorization No. 8 that deducts the remaining work.

Options

Supplemental 1 to Work Authorization No. 8 may be disapproved.

Recommendation

Based on review by this office, **approval of Resolution 2014-09 – Approval of Supplemental Number 1 to Work Authorization No. 8 to the Professional Service agreement with Dannenbaum Engineering in the deduct amount of $114,581.59 is recommended, subject to an decrease in the maximum payable fee in the amount of $114,581.59 for a revised amount of $5,712,807.66.**

If you should have any questions or require additional information, please advise.

HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY

BOARD RESOLUTION No. 2014 – 09

APPROVAL OF SUPPLEMENTAL NUMBER 1 TO WORK AUTHORIZATION NUMBER 8 OF PROFESSIONAL SERVICES AGREEMENT WITH DANNENBAUM ENGINEERING CORPORATION TO CONTINUE PROGRAM MANAGEMENT OF THE STATE HIGHWAY 365 AND INTERNATIONAL BRIDGE TRADE CORRIDOR PROJECTS

THIS RESOLUTION is adopted this 24th day of February, 2014, by the Board of Directors of the Hidalgo County Regional Mobility Authority at a regular meeting.

WHEREAS, the Hidalgo County Regional Mobility Authority (the "Authority"), acting through its Board of Directors (the "Board"), is a regional mobility authority created pursuant to Chapter 370, Texas Transportation Code, as amended (the "Act"); and

WHEREAS, the Authority is authorized by the Act to address mobility issues in and around Hidalgo County; and

WHEREAS, on October 27, 2011 the Authority awarded a professional service agreement for general engineering and program management services to Dannenbaum Engineering Corporation in the maximum payable amount of $5,000,000; and

WHEREAS, the Authority has subsequently approved Work Authorizations Numbers 1, 3, 4, 5 and 6, including Supplemental Number 1 to Work Authorization Number 4, Supplemental Numbers 1 & 2 to Work Authorization Number 5, and Supplemental Numbers 1, 2, 3,4, 5 & 6 to Work Authorization Number 6, in the amounts of $909,960.63, $57,750.00, $694,355.85, $769,236.96, $920,263.67, $346,720.31, $1,437,465.41 and 117,054.83 respectively; and

WHEREAS, on December 18, 2013, the Authority approved Supplemental Number 6 to Work Authorization Number 6 to the Professional Service Agreement with Dannenbaum Engineering to revise the scope of service with no increase in the Work Authorization Number 6 amount; and

WHEREAS, on January 22, 2014, the Authority approved Work Authorization Number 8 to the Professional Service Agreement with Dannenbaum Engineering to continue program management for the State Highway 365 and International Bridge Trade Corridor Projects in the amount of $574,581.59; and

WHEREAS, Supplemental Number 1 to Work Authorization Number 8 to the Professional Service Agreement with Dannenbaum Engineering deducts work in the amount of $114,851.59 for a revised Work Authorization amount of $459,730.00 and closes out Work Authorization Number 8;

NOW THEREFORE, BE IT RESOLVED, BY THE BOARD OF DIRECTORS OF THE HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY THAT:

Section 1. The recital clauses are incorporated in the text of this Resolution as if fully restated.

Section 2. The Board hereby approves Supplemental Number 1 to Work Authorization Number 8 to the Professional Services Agreement with Dannenbaum Engineering Corporation hereto attached as Exhibit A.

Section 3. The Board authorizes the Executive Director to execute Supplemental Number 1 to Work Authorization Number 8 as approved.

*****

PASSED AND APPROVED AS TO BE EFFECTIVE IMMEDIATELY BY THE BOARD OF DIRECTORS OF THE HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY AT A REGULAR MEETING, duly posted and noticed, on the 24th day of February, 2014, at which meeting a quorum was present.

_____

Dennis Burleson, Chairman

_____

Ricardo Perez, Secretary/Treasurer

EXHIBIT A

SUPPLEMENTAL NUMBER 1 TO WORK AUTHORIZTION NUMBER 8
OF
PROFESSIONAL SERVICE AGREEMENT WITH DANNENBAUM ENGINEERING
CORPORATION DATED OCTOBER 27, 2011

♦Contract♦

Hidalgo County
Regional Mobility Authority
(HCRMA)(Authority)

PROGRAM MANAGEMENT
CONSULTANT PROJECT

Engineering Services for any and all Services Required for the Development of all Projects undertaken by the Authority including the Entire Loop Project

SWA 1 to WA No. 8

February 17, 2014

DANNENBAUM

SUPPLEMENTAL WORK AUTHORIZATION NO. 1
TO WORK AUTHORIZATION NO. 8

SUPPLEMENTAL WORK AUTHORIZATION NO. 1
TO WORK AUTHORIZATION NO. 8

ATTACHMENT D-2
SUPPLEMENTAL WORK AUTHORIZATION NO. 1
TO WORK AUTHORIZATION NO. 8
AGREEMENT FOR ENGINEERING SERVICES

THIS SUPPLEMENTAL WORK AUTHORIZATION is made pursuant to the terms and conditions of "Article V of that certain Professional Services Agreement for Program Management Engineering Services" hereinafter identified as the "Agreement," entered into by and between the Hidalgo County Regional Mobility Authority (Authority), and Dannenbaum Engineering Corporation (the Engineer).

The following terms and conditions of Work Authorization No. 8 are hereby amended as follows:

Part I The scope of services as outlined in Work Authorization No. 8 will include Exhibit 'B' Revised Scope of Services to be Provided by the Engineer (Supplemental Agreement No. 1 to Work Authorization No. 8).

Part II The schedule as outlined in Work Authorization No. 8 will be amended to include Exhibit 'C' Revised Work Schedule (Supplemental Agreement No. 1 to Work Authorization No. 8).

Part III The maximum amount payable under this Work Authorization No. 8 will be modified to **$460,000.00** reducing the original Work Authorization No. 8 by **$114,581.59**. The Engineer's Estimated Work Authorization No. 8 costs have been revised in accordance with the attached Exhibit 'D' Revised Fee Schedule/Budget (Supplemental Agreement No. 1 to Work Authorization No. 8).

This Supplemental Work Authorization shall become effective on the date of final execution of the parties hereto. All other terms and conditions of Work Authorization No. 8 not hereby amended are to remain in full force and effect.

IN WITNESS WHEREOF, this Supplemental Work Authorization is executed in duplicate counterparts and hereby accepted and acknowledged below.

THE ENGINEER	**THE AUTHORITY**
(Signature)	(Signature)
Louis H. Jones, Jr., P.E.	Pilar Rodriguez, P.E.
(Printed Name)	(Printed Name)
Principal	Executive Director
(Title)	(Title)
2/17/12	
(Date)	**(Date)**

EXHIBIT B - Revised
Scope of Services to be Provided by the Engineer
Supplemental Work Authorization No. 1 for Work Authorization No. 8

General Engineering Consultant / Program Management Consultant services for:

I. Systemwide Management tasks for: cost and scheduling controls, ROW and utility tool operations, toll integration, and coordination with HCRMA Staff / Stakeholders

II. Project Management tasks for: State Highway 365 (SH 365) and International Bridge Trade Corridor (IBTC) including ROW acquisition and utility relocations

I. Systemwide Management

1. Systemwide General Administrative Support (including coordination with HCRMA Executive Director's Office)
   A. Briefings on consultant activity, stakeholder coordination, and general RMA business matters
   B. Briefings on ideas to mitigate risks or issues that arise during plan design, ROW acquisition, and utility relocations
   C. Support for consultant invoice reviews (monthly)(6 Engrs.; 5 Surveyors; 1 Environmental)
      1) SH 365 – Environmental (0030 Atkins)
      2) SH 365 – Survey (0031 QHA)
      3) SH 365 – Survey (0032/0034 DLS)
      4) SH 365 – Survey (0033 TEDSI)
      5) SH 365 – Engineering (0031 S&B)
      6) SH 365 – Engineering (0032/0034 L&G)
      7) SH 365 – Engineering (0033 TEDSI)
   D. Support for Board packet preparation (planning, finance, and full Board) (monthly)
   E. Support for contract management (create contracts, work authorizations, and supplemental agreements)
   F. Technical review of legal documents
2. Cost and Scheduling Controls
   A. Maintain document control efforts to record all HCRMA files (via ProjectWise) (weekly)
   B. Keep cost accounting up to date (input cost data)
   C. Develop monthly operating cashflows
   D. Update of Project Development Strategic Plan for construction cost updates, scheduling updates, revenue sources updates, etc.
   E. Provide updated cashflows to financial advisor
   F. Review financial plan update results with HCRMA Staff
3. Coordination with TxDOT Staff (All Projects)
4. HCMPO Coordination

5. Meetings with stakeholders (All Projects)
   A. HCRMA
   B. State
   C. Hidalgo County
   D. Municipalities
6. Public Outreach
7. Offsite Drainage Coordination
   A. Implement conditions of the Inter Local Agreement
   B. Coordinate outfall locations
   C. Participate in review for reimbursement agreements and verify scope of work and cost estimates for each outfall project to be funded by HCRMA local funding
8. Overweight/Oversize (OW/OS) Corridor Implementation
   A. Assist in online permitting implementation
   B. Attend meetings with OW/OS Corridor stakeholders
      1) City of Pharr International Bridge Staff (3 Mtgs. @ 2 hrs./mtg.)
      2) DPS Regional Office (2 Mtgs. @ 2 hrs./mtg.)
      3) TxDOT Pharr District (2 Mtgs. @ 2 hrs./mtg.)
      4) City of McAllen International Bridge Staff (2 Mtgs. @ 2 hrs./mtg.)
      5) Industry Associations in Mexico (2 Mtgs. @ 2 hrs./mtg.)
      6) Industry Associations in the U.S. (2 Mtgs. @ 2 hrs./mtg.)
   C. Manage communications between certified scales and permitting office

II. Project Management

1. Project Management SH 365 (Segment 1: from US 281 to McColl Rd; Segment 2: from McColl Rd to FM 396; Segment 3: Along US 281 to BSIF; and Segment 4: FM 396 to FM 1016)
   A. Manage Federal Environmental Document efforts leading to FONSI (1 consultant) (Segment 1 through 4)(Assisted by Blanton and Associates)
      1) Review draft documents
      2) Respond to RFI's to complete environmental documents
      3) Coordination with TxDOT Pharr District and Austin ENV
   B. Manage ROW Strip Map and parcel plats (Segment 1: 0031 QHA)
      1) Final Review of Strip Map (Assisted by Aranda and Associates)
      2) Manage Preparation of Parcel Maps (Assisted by Aranda and Associates)
   C. Manage ROW Strip Map and parcel plats (Segment 2 & Segment 4: 0032 & 0034 DLS)
      1) Final Review of Strip Map (Assisted by Aranda and Associates)
      2) Manage Preparation of Parcel Maps (Assisted by Aranda and Associates)

D. Manage ROW Strip Map and parcel plats (Segment 3: 0033 TEDSI)
   1) Final Review of Strip Map (Assisted by Aranda and Associates)
   2) Manage Preparation of Parcel Maps (Assisted by Aranda and Associates)

E. Coordinate submittal and processing of final schematic (All Segments)
   1) To TxDOT-Austin for approval

F. Manage PS&E (Segment 1: 0031 S&B)
   1) Coordination with project managers

G. Manage PS&E (Segment 2 & Segment 4: 0032 & 0034 L&G)
   1) Coordination with project managers

H. Manage PS&E (Segment 3: 0033 TEDSI)
   1) Coordination with project managers

I. Coordinate ROW Acquisition (Segments 1, 2, and 3)
   1) Coordinate data input into web-based interface server
   2) Coordinate with HCRMA Legal Team Title Reports, Appraisals on ROW acquisition
   3) Coordinate with ROW-Agent Title Reports, Appraisals on ROW acquisition

J. Coordinate Utility Relocations (Segments 1, 2, 3, and 4)
   1) Manage Subsurface utility exposures SUE (RODS SUE as subconsultant to PMC)

2. Project Management IBTC (Segments 1: Interchange with SH 365 to Floodway Bridge; Segment 2: Floodway Bridge to Valley View Interchange to I-2; and Segment 3: Valley View Interchange to FM 493)
   A. Manage Federal Environmental Document efforts leading to FONSI (1 consultant) (Segments 1 through 3)(Assisted by Blanton and Associates)
      1) Review draft documents including development of Classification Letter
      2) Respond to RFI's to complete environmental documents
      3) Coordination with TxDOT Pharr District and Austin ENV including development of Classification Letter

EXHIBIT C-Revised
Work Schedule for
Supplemental Work Authorization No. 1 to Work Authorization No. 8

ID	Task Name	Start	Finish
0	**PMC WA No. 8**	**Wed 1/1/14**	**Fri 2/28/14**
1	**I. Systemwide Management**	**Wed 1/1/14**	**Fri 2/28/14**
2	1. Systemwide General Administrative Support (including coordination with HCRMA Executive Director's Office)	Wed 1/1/14	Fri 2/28/14
3	A. Briefings on consultant activity, stakeholder coordination, and general RMA business matters	Wed 1/1/14	Fri 2/28/14
4	B. Briefings on ideas to mitigate risks or issues that arise during plan design, ROW acquisition, and utility relocations	Wed 1/1/14	Fri 2/28/14
5	**C. Support for consultant invoice reviews (monthly)(6 Engrs.; 5 Surveyors; 1 Environmental)(12 Months)**	**Wed 1/1/14**	**Fri 2/28/14**
6	1) SH 365 – Environmental (0030 Atkins)	Wed 1/1/14	Fri 2/28/14
7	2) SH 365 – Survey (0031 QHA)	Wed 1/1/14	Fri 2/28/14
8	3) SH 365 – Survey (0032/0034 DLS)	Wed 1/1/14	Fri 2/28/14
9	4) SH 365 – Survey (0033 TEDSI)	Wed 1/1/14	Fri 2/28/14
10	5) SH 365 – Engineering (0031 S&B)	Wed 1/1/14	Fri 2/28/14
11	6) SH 365 – Engineering (0032/0034 L&G)	Wed 1/1/14	Fri 2/28/14
12	7) SH 365 – Engineering (0033 TEDSI)	Wed 1/1/14	Fri 2/28/14
13	D. Support for Board packet preparation (planning,	Wed 1/1/14	Fri 2/28/14
14	E. Support for contract management (create contracts, work authorizations, and supplemental agreements)	Wed 1/1/14	Fri 2/28/14
15	F. Technical review of legal documents	Wed 1/1/14	Fri 2/28/14
16	**2. Cost and Scheduling Controls**	**Wed 1/1/14**	**Fri 2/28/14**
17	A. Maintain document control efforts to record all HCRMA files (via ProjectWise) (weekly)	Wed 1/1/14	Fri 2/28/14
18	B. Keep cost accounting up to date (input cost data)	Wed 1/1/14	Fri 2/28/14
19	C. Develop monthly operating cashflows	Wed 1/1/14	Fri 2/28/14
20	D. Update of Project Development Strategic Plan for construction cost updates, scheduling updates, revenue sources updates, etc.	Wed 1/1/14	Fri 2/28/14
21	E. Provide updated cashflows to financial advisor	Wed 1/1/14	Fri 2/28/14
22	F. Review financial plan update results with HCRMA Staff	Wed 1/1/14	Fri 2/28/14
23	H. Review financial plan update results with HCRMA	Wed 1/1/14	Fri 2/28/14
24	3. Coordination with TxDOT Staff (IBTC and SH 365 environmental clearances, strategic planning, and early ROW acquisition)	Wed 1/1/14	Fri 2/28/14

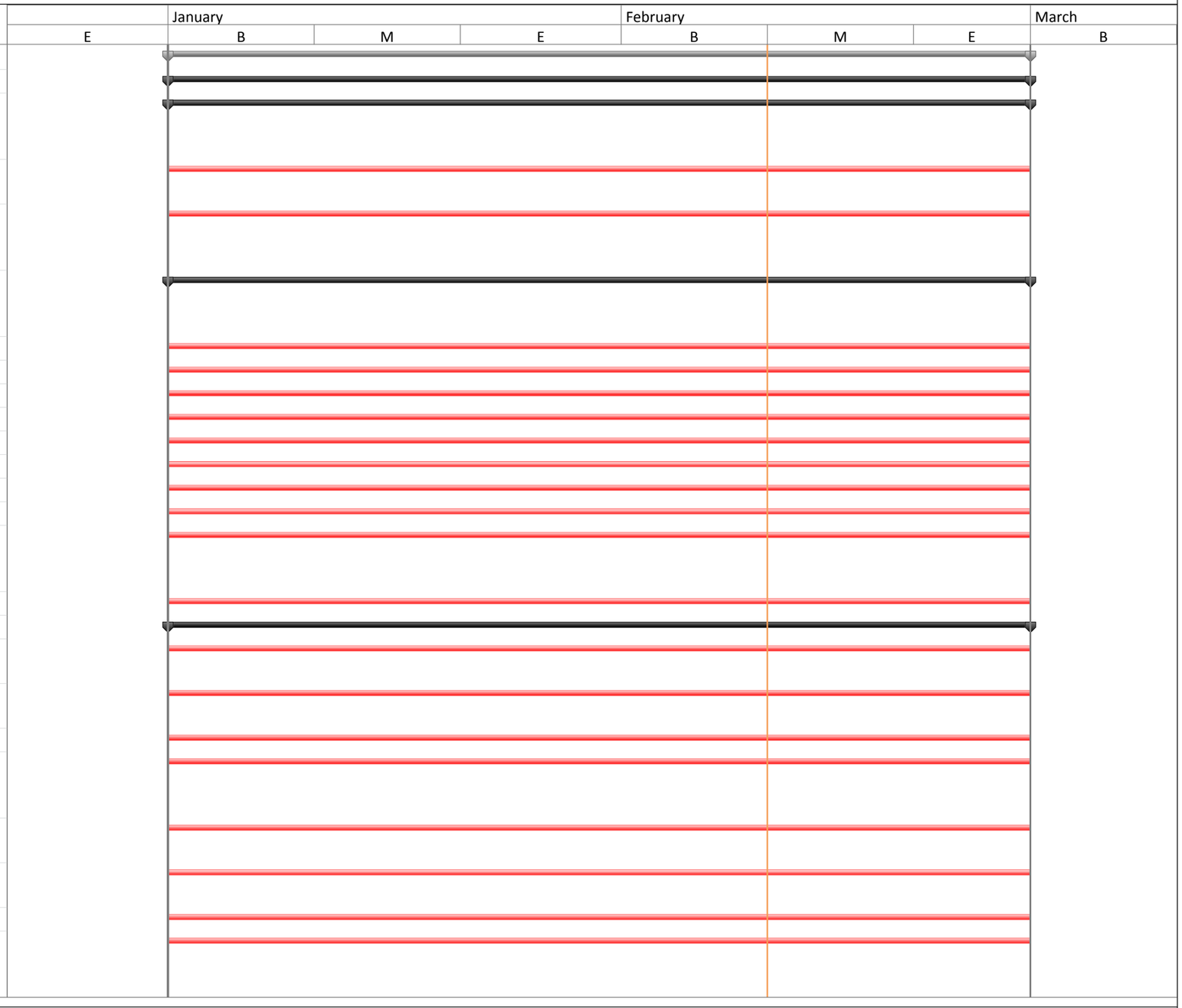

EXHIBIT C-Revised
Work Schedule for
Supplemental Work Authorization No. 1 to Work Authorization No. 8

ID	Task Name	Start	Finish
25	4. HCMPO Coordination (Coordinate updates to STIP/MTP for SH 365 and IBTC)	Wed 1/1/14	Fri 2/28/14
26	**5. Meetings with stakeholders (All Projects)**	**Wed 1/1/14**	**Fri 2/28/14**
27	A. HCRMA	Wed 1/1/14	Fri 2/28/14
28	B. State	Wed 1/1/14	Fri 2/28/14
29	C. Hidalgo County	Wed 1/1/14	Fri 2/28/14
30	D. Municipalities	Wed 1/1/14	Fri 2/28/14
31	6. Public Outreach	Wed 1/1/14	Fri 2/28/14
32	**7. Offsite Drainage Coordination**	**Wed 1/1/14**	**Fri 2/28/14**
33	A. Implement conditions of the Inter Local Agreeme	Wed 1/1/14	Fri 2/28/14
34	B. Coordinate outfall locations	Wed 1/1/14	Fri 2/28/14
35	C. Participate in review for reimbursement agreem	Wed 1/1/14	Fri 2/28/14
36	**8. Overweight/Oversize (OW/OS) Corridor Implementation**	**Wed 1/1/14**	**Fri 2/28/14**
37	A. Assist in online permitting implementation	Wed 1/1/14	Fri 2/28/14
38	**B. Attend meetings with OW/OS Corridor stakehol**	**Wed 1/1/14**	**Fri 2/28/14**
39	1) City of Pharr International Bridge Staff (3 Mtgs	Wed 1/1/14	Fri 2/28/14
40	2) DPS Regional Office (2 Mtgs. @ 2 hrs./mtg.)	Wed 1/1/14	Fri 2/28/14
41	3) TxDOT Pharr District (2 Mtgs. @ 2 hrs./mtg.)	Wed 1/1/14	Fri 2/28/14
42	4) City of McAllen International Bridge Staff (2 M	Wed 1/1/14	Fri 2/28/14
43	5) Industry Associations in Mexico (2 Mtgs. @ 2 h	Wed 1/1/14	Fri 2/28/14
44	6) Industry Associations in the U.S. (2 Mtgs. @ 2	Wed 1/1/14	Fri 2/28/14
45	C. Manage communications between certified scale	Wed 1/1/14	Fri 2/28/14
46	**II. Project Management**	**Wed 1/1/14**	**Fri 2/28/14**
47	**1. Project Management SH 365 (Segment 1: from US**	**Wed 1/1/14**	**Fri 2/28/14**
48	**A. Manage Federal Environmental Document efforts leading to FONSI (1 consultant) (Segment 1 through 4)(Assisted by Blanton and Associates)**	**Wed 1/1/14**	**Fri 2/28/14**
49	1) Review draft documents	Wed 1/1/14	Fri 2/28/14
50	2) Respond to RFI's to complete environmental d	Wed 1/1/14	Fri 2/28/14
51	3) Coordination with TxDOT Pharr District and Au	Wed 1/1/14	Fri 2/28/14
52	**B. Manage ROW Strip Map and parcel plats (Segment 1: 0031 QHA)**	**Wed 1/1/14**	**Fri 2/28/14**
53	1) Final Review of Strip Map (Assisted by Aranda	Wed 1/1/14	Fri 2/28/14
54	2) Manage Preparation of Parcel Maps (Assisted	Wed 1/1/14	Fri 2/28/14
55	**C. Manage ROW Strip Map and parcel plats (Segment 2 & Segment 4: 0032 & 0034 DLS)**	**Wed 1/1/14**	**Fri 2/28/14**
56	1) Final Review of Strip Map (Assisted by Aranda	Wed 1/1/14	Fri 2/28/14
57	2) Manage Preparation of Parcel Maps (Assisted	Wed 1/1/14	Fri 2/28/14
58	**D. Manage ROW Strip Map and parcel plats (Segment 3: 0033 TEDSI)**	**Wed 1/1/14**	**Fri 2/28/14**

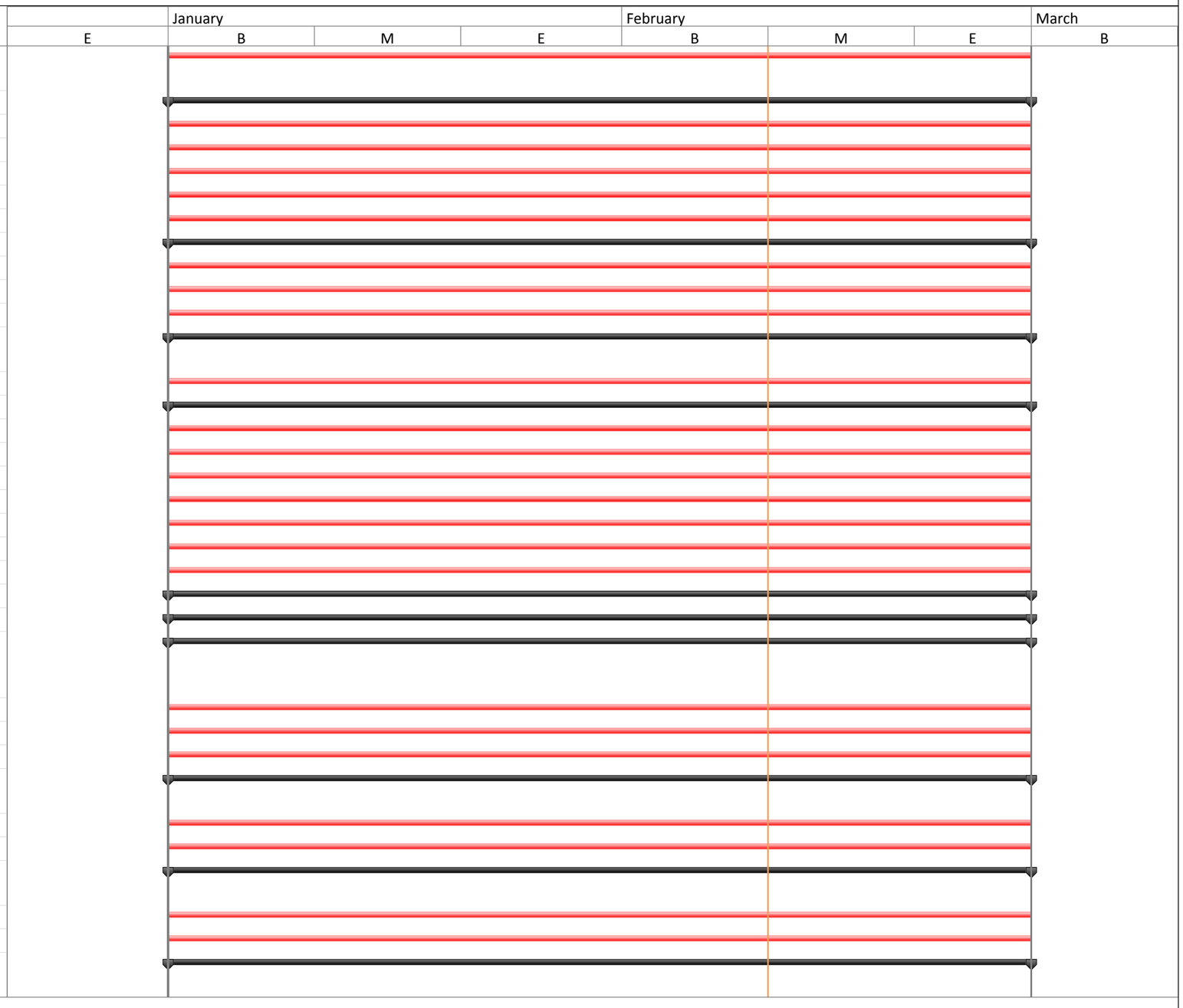

EXHIBIT C-Revised
Work Schedule for
Supplemental Work Authorization No. 1 to Work Authorization No. 8

ID	Task Name	Start	Finish
59	1) Final Review of Strip Map (Assisted by Aranda	Wed 1/1/14	Fri 2/28/14
60	2) Manage Preparation of Parcel Maps (Assisted	Wed 1/1/14	Fri 2/28/14
61	**E. Coordinate submittal and processing of final sch**	**Wed 1/1/14**	**Fri 2/28/14**
62	1) To TxDOT-Austin for approval	Wed 1/1/14	Fri 2/28/14
63	**F. Manage PS&E (Segment 1: 0031 S&B)**	**Wed 1/1/14**	**Fri 2/28/14**
64	1) Coordination meetings with project managers	Wed 1/1/14	Fri 2/28/14
65	**G. Manage PS&E (Segment 2 & Segment 4: 0032 & 0034 L&G)**	**Wed 1/1/14**	**Fri 2/28/14**
66	1) Coordination meetings with project managers	Wed 1/1/14	Fri 2/28/14
67	**H. Manage PS&E (Segment 3: 0033 TEDSI)**	**Wed 1/1/14**	**Fri 2/28/14**
68	1) Coordination meetings with project managers	Wed 1/1/14	Fri 2/28/14
69	**I. Coordinate ROW Acquisition (Segments 1, 2, and 3)**	**Wed 1/1/14**	**Fri 2/28/14**
70	1) Coordinate data input into web-based interfac	Wed 1/1/14	Fri 2/28/14
71	2) Coordinate with HCRMA Legal Team Title Rep	Wed 1/1/14	Fri 2/28/14
72	3) Coordinate with ROW-Agent Title Reports, Ap	Wed 1/1/14	Fri 2/28/14
73	**J. Coordinate Utility Relocations (Segments 1, 2, 3, and 4)**	**Wed 1/1/14**	**Fri 2/28/14**
74	1) Manage Subsurface utility exposures SUE (RODS SUE as subconsultant to PMC)	Wed 1/1/14	Fri 2/28/14
75	**2. Project Management IBTC (Segments 1: Interchan**	**Wed 1/1/14**	**Fri 2/28/14**
76	**A. Manage Federal Environmental Document efforts leading to FONSI (1 consultant) (Segments 1 through 3)(Assisted by Blanton and Associates)**	**Wed 1/1/14**	**Fri 2/28/14**
77	1) Review draft documents	Wed 1/1/14	Fri 2/28/14
78	2) Respond to RFI's to complete environmental d	Wed 1/1/14	Fri 2/28/14
79	3) Coordination with TxDOT Pharr District and Au	Wed 1/1/14	Fri 2/28/14

EXHIBIT D - REVISED FEE SCHEDULE / BUDGET
Supplemental Work Authorization No. 1 to Work Authorization No. 8

General Engineering Consultant / Program Management Consultant services for:

Systemwide Management tasks for: cost and scheduling controls, ROW and utility tool operations, toll integration, and coordination with HCRMA Staff / Stakeholders

Project Management tasks for: State Highway 365 (SH 365) and International Bridge Trade Corridor (IBTC) including ROW acquisition and utility relocations

Prime: Dannenbaum Engineering Corporation ***Work Authorization No. 1 to Work Authorization No. 8***

Program Management Services for the HCRMA Roadway System ***Schedule Duration: 01/01/2014 to 02/28/2014***

PROGRAM MANAGEMENT SERVICES DESCRIPTION OF WORK / TASKS	Original WA No. 8	Revised Cost per Task on SWA1 to WA8	Reduction in Cost per Task on SWA1 to WA8
Systemwide Management			
1. Systemwide General Administrative Support (including coordination with HCRMA Executive Director's Office)			
A. Briefings on consultant activity, stakeholder coordination, and general RMA business matter	$ 2,750.00	$ 2,250.00	$ 500.00
B. Briefings on ideas to mitigate risks or issues that arise during plan design, ROW acquisition, and utility relocations	$ 2,750.00	$ 2,250.00	$ 500.00
C. Support for consultant invoice reviews (monthly)(6 Engrs.; 5 Surveyors; 1 Environmental)			
1) SH 365 – Environmental (0030 Atkins)	$ 1,600.00	$ 1,325.00	$ 275.00
2) SH 365 – Survey (0031 QHA)	$ 1,600.00	$ 1,325.00	$ 275.00
3) SH 365 – Survey (0032/0034 DLS)	$ 1,600.00	$ 1,325.00	$ 275.00
4) SH 365 – Survey (0033 TEDSI)	$ 1,600.00	$ 1,325.00	$ 275.00
5) SH 365 – Engineering (0031 S&B)	$ 3,000.00	$ 2,500.00	$ 500.00
6) SH 365 – Engineering (0032/0034 L&G)	$ 3,000.00	$ 2,500.00	$ 500.00
7) SH 365 – Engineering (0033 TEDSI)	$ 3,000.00	$ 2,500.00	$ 500.00
D. Support for Board packet preparation (planning, finance, and full Board) (monthly)	$ 4,500.00	$ 3,600.00	$ 900.00
E. Support for contract management (create contracts, work authorizations, and supplemental agreements)	$ 4,500.00	$ 3,600.00	$ 900.00
F. Technical review of legal documents	$ 3,200.00	$ 2,750.00	$ 450.00
Subtotal	**$ 33,100.00**	**$ 27,250.00**	**$ 5,850.00**
2. Cost and Scheduling Controls			
A. Maintain document control efforts to record all HCRMA files (via ProjectWise) (weekly)	$ 5,000.00	$ 4,350.00	$ 650.00
B. Keep cost accounting up to date (input cost data)	$ 5,000.00	$ 4,350.00	$ 650.00
C. Develop monthly operating cashflows	$ 3,600.00	$ 2,800.00	$ 800.00
D. Update of Project Development Strategic Plan for construction cost updates, scheduling updates, revenue sources updates, etc.	$ 3,600.00	$ 2,800.00	$ 800.00
E. Provide updated cashflows to financial advisor	$ 3,600.00	$ 1,600.00	$ 2,000.00
F. Review financial plan update results with HCRMA Staff	$ 3,600.00	$ 1,600.00	$ 2,000.00
Subtotal	**$ 24,400.00**	**$ 17,500.00**	**$ 6,900.00**
3. Coordination with TxDOT Staff (All Projects)			
	$ 22,000.00	$ 14,000.00	$ 8,000.00
Subtotal	**$ 22,000.00**	**$ 14,000.00**	**$ 8,000.00**

EXHIBIT D - REVISED FEE SCHEDULE / BUDGET
Supplemental Work Authorization No. 1 to Work Authorization No. 8

General Engineering Consultant / Program Management Consultant services for:

Systemwide Management tasks for: cost and scheduling controls, ROW and utility tool operations, toll integration, and coordination with HCRMA Staff / Stakeholders

Project Management tasks for: State Highway 365 (SH 365) and International Bridge Trade Corridor (IBTC) including ROW acquisition and utility relocations

Prime: Dannenbaum Engineering Corporation ***Work Authorization No. 1 to Work Authorization No. 8***

Program Management Services for the HCRMA Roadway System ***Schedule Duration: 01/01/2014 to 02/28/2014***

PROGRAM MANAGEMENT SERVICES **DESCRIPTION OF WORK / TASKS**	**Original WA No. 8**	**Revised Cost per Task on SWA1 to WA8**	**Reduction in Cost per Task on SWA1 to WA8**
4. HCMPO Coordination			
	$ 6,500.00	$ 2,000.00	$ 4,500.00
Subtotal	**$ 6,500.00**	**$ 2,000.00**	**$ 4,500.00**
5. Meetings with stakeholders (All Projects)			
A. HCRMA	$ 9,000.00	$ 6,000.00	$ 3,000.00
B. State	$ 12,000.00	$ 9,500.00	$ 2,500.00
C. Hidalgo County	$ 9,000.00	$ 8,500.00	$ 500.00
D. Municipalitie	$ 9,000.00	$ 8,000.00	$ 1,000.00
Subtotal	**$ 39,000.00**	**$ 32,000.00**	**$ 7,000.00**
6. Public Outreach			
	$ 12,000.00	$ 8,000.00	$ 4,000.00
Subtotal	**$ 12,000.00**	**$ 8,000.00**	**$ 4,000.00**
7. Offsite Drainage Coordination			
A. Implement conditions of the Inter Local Agreement	$ 5,345.00	$ 5,345.00	$ -
B. Coordinate outfall locations	$ 10,125.00	$ 10,125.00	$ -
C. Participate in review for reimbursement agreements and verify scope of work and cost estimates for each outfall project to be funded by HCRMA local funding	$ 19,500.00	$ 19,500.00	$ -
Subtotal	**$ 34,970.00**	**$ 34,970.00**	**$ -**
8. Overweight/Oversize (OW/OS) Corridor Implementation			
A. Assist in online permitting implementation	$ 3,600.00	$ 3,600.00	$ -
B. Attend meetings with OW/OS Corridor stakeholders	$ -	$ -	
1) City of Pharr International Bridge Staff (3 Mtgs. @ 2 hrs./mtg.)	$ 4,000.00	$ 3,000.00	$ 1,000.00
2) DPS Regional Office (2 Mtgs. @ 2 hrs./mtg.)	$ 3,600.00	$ 2,500.00	$ 1,100.00
3) TxDOT Pharr District (2 Mtgs. @ 2 hrs./mtg.)	$ 3,600.00	$ 2,500.00	$ 1,100.00
4) City of McAllen International Bridge Staff (2 Mtgs. @ 2 hrs./mtg.)	$ 3,600.00	$ 2,500.00	$ 1,100.00
5) Industry Associations in Mexico (2 Mtgs. @ 2 hrs./mtg.)	$ 3,600.00	$ 2,500.00	$ 1,100.00
6) Industry Associations in the U.S. (2 Mtgs. @ 2 hrs./mtg.)	$ 3,600.00	$ 2,500.00	$ 1,100.00
C. Manage communications between certified scales and permitting office	$ 7,200.00	$ 5,500.00	$ 1,700.00
Subtotal	**$ 32,800.00**	**$ 24,600.00**	**$ 8,200.00**

EXHIBIT D - REVISED FEE SCHEDULE / BUDGET
Supplemental Work Authorization No. 1 to Work Authorization No. 8

General Engineering Consultant / Program Management Consultant services for:

Systemwide Management tasks for: cost and scheduling controls, ROW and utility tool operations, toll integration, and coordination with HCRMA Staff / Stakeholders

Project Management tasks for: State Highway 365 (SH 365) and International Bridge Trade Corridor (IBTC) including ROW acquisition and utility relocations

Prime: Dannenbaum Engineering Corporation ***Work Authorization No. 1 to Work Authorization No. 8***

Program Management Services for the HCRMA Roadway System ***Schedule Duration: 01/01/2014 to 02/28/2014***

PROGRAM MANAGEMENT SERVICES DESCRIPTION OF WORK / TASKS	Original WA No. 8	Revised Cost per Task on SWA1 to WA8	Reduction in Cost per Task on SWA1 to WA8
Project Management			
1. Project Management SH 365 (Segment 1: from US 281 to McColl Rd; Segment 2: from McColl Rd to FM 396; Segment 3: Along US 281 to BSIF; and Segment 4: FM 396 to FM 1016)			
A. Manage Federal Environmental Document efforts leading to FONSI (1 consultant @ 6 months) (Segment 1 through 4)(Assisted by Blanton and Associates)			
1) Review draft documents	$ 18,000.00	$ 18,000.00	$ -
2) Respond to RFI's to complete environmental documents	$ 18,000.00	$ 18,000.00	$ -
3) Coordination with TxDOT Pharr District and Austin ENV	$ 15,000.00	$ 15,000.00	$ -
B. Manage ROW Strip Map and parcel plats (Segment 1: 0031 QHA @ 6 months)			
1) Final Review of Strip Map (Assisted by Aranda and Associates)	$ 18,000.00	$ 14,400.00	$ 3,600.00
2) Manage Preparation of Parcel Maps (Assisted by Aranda and Associates)	$ 18,000.00	$ 14,400.00	$ 3,600.00
C. Manage ROW Strip Map and parcel plats (Segment 2 & Segment 4: 0032 & 0034 DLS @ 6 months)			
1) Final Review of Strip Map (Assisted by Aranda and Associates)	$ 18,000.00	$ 14,400.00	$ 3,600.00
2) Manage Preparation of Parcel Maps (Assisted by Aranda and Associates)	$ 18,000.00	$ 14,400.00	$ 3,600.00
D. Manage ROW Strip Map and parcel plats (Segment 3: 0033 TEDSI)			
1) Final Review of Strip Map (Assisted by Aranda and Associates)	$ 15,000.00	$ 12,000.00	$ 3,000.00
2) Manage Preparation of Parcel Maps (Assisted by Aranda and Associates)	$ 15,000.00	$ 12,000.00	$ 3,000.00
E. Coordinate submittal and processing of final schematic (All Segments)			
1) To TxDOT-Austin for approval	$ 12,000.00	$ 9,600.00	$ 2,400.00
F. Manage PS&E (Segment 1: 0031 S&B)			
1) Coordination meetings with project managers	$ 6,000.00	$ 4,800.00	$ 1,200.00
G. Manage PS&E (Segment 2 & Segment 4: 0032 & 0034 L&G)			
1) Coordination meetings with project managers	$ 6,000.00	$ 4,800.00	$ 1,200.00
H. Manage PS&E (Segment 3: 0033 TEDSI)			
1) Coordination meetings with project managers	$ 4,000.00	$ 3,200.00	$ 800.00
I. Coordinate ROW Acquisition (Segments 1, 2, and 3)			
1) Coordinate data input into web-based interface server	$ 6,000.00	$ 4,800.00	$ 1,200.00
2) Coordinate with HCRMA Legal Team Title Reports, Appraisals on ROW acquisition	$ 6,500.00	$ 5,200.00	$ 1,300.00
3) Coordinate with ROW-Agent Title Reports, Appraisals on ROW acquisition	$ 4,500.00	$ 3,600.00	$ 900.00
J. Coordinate Utility Relocations (Segments 1, 2, 3, and 4)			
1) Manage Subsurface utility exposures SUE (RODS SUE as subconsultant to PMC)	$ 8,200.00	$ 6,560.00	$ 1,640.00
Subtotal	**$ 206,200.00**	**$ 175,160.00**	**$ 31,040.00**

EXHIBIT D - REVISED FEE SCHEDULE / BUDGET
Supplemental Work Authorization No. 1 to Work Authorization No. 8

General Engineering Consultant / Program Management Consultant services for:

Systemwide Management tasks for: cost and scheduling controls, ROW and utility tool operations, toll integration, and coordination with HCRMA Staff / Stakeholders

Project Management tasks for: State Highway 365 (SH 365) and International Bridge Trade Corridor (IBTC) including ROW acquisition and utility relocations

Prime: Dannenbaum Engineering Corporation ***Work Authorization No. 1 to Work Authorization No. 8***

Program Management Services for the HCRMA Roadway System ***Schedule Duration: 01/01/2014 to 02/28/2014***

PROGRAM MANAGEMENT SERVICES **DESCRIPTION OF WORK / TASKS**	**Original WA No. 8**	**Revised Cost per Task on SWA1 to WA8**	**Reduction in Cost per Task on SWA1 to WA8**
2. Project Management IBTC (Segments 1: Interchange with SH 365 to Floodway Bridge; Segment 2: Floodway Bridge to Valley View Interchange to I-2; and Segment 3: Valley View Interchange to FM 493)			
A. Manage Federal Environmental Document efforts leading to FONSI (1 consultant) (Segments 1 through 3)(Assisted by Blanton and Associates)			
1) Review draft documents **including development of classification letter**	$ 28,500.00	$ 23,500.00	$ 5,000.00
2) Respond to RFI's to complete environmental documents	$ 28,500.00	$ 22,500.00	$ 6,000.00
3) Coordination with TxDOT Pharr District and Austin ENV **including development of classification letter**	$ 20,500.00	$ 18,000.00	$ 2,500.00
Subtotal	**$ 77,500.00**	**$ 64,000.00**	**$ 13,500.00**
DIRECT EXPENSES			$ -
Lodging / Hotel ($100.00 / DAY)	$ 400.00	$ 250.00	$ 150.00
Meals ($30.00 / DAY)	$ 149.00	$ 100.00	$ 49.00
Rental Car	$ 400.00	$ 218.00	$ 182.00
Air Travel	$ 2,500.00		$ 2,500.00
Parking	$ 62.59	$ 62.00	$ 0.59
Overnight Mail - letter size	$ 1,500.00	$ 1,490.00	$ 10.00
Courier Services	$ 2,000.00	$ 2,000.00	$ -
Photocopies B/W (8.5 X 11)	$ 1,800.00	$ 1,800.00	$ -
Photocopies B/W (11 X 17)	$ 300.00	$ 300.00	$ -
Photocopies Color (8.5 X 11)	$ 900.00	$ 900.00	$ -
Photocopies Color (11 X 17)	$ 1,250.00	$ 1,250.00	$ -
Color Graphics on Foam Board	$ 1,250.00	$ 1,250.00	$ -
Newspaper Advertisement	$ -	$ -	$ -
Court Reporter (Public Hearings & Transcription)	$ -	$ -	$ -
Translator (English to Spanish or Sign Language)	$ -	$ -	$ -
Public Involvement Facilty Rental	$ -	$ -	$ -
Public Outreach Laison	$ 10,500.00	$ 10,500.00	$ -
Accounting Support Services	$ 7,500.00	$ 7,500.00	$ -
IT / Support Services	$ 8,400.00	$ 8,400.00	$ -
Management Support Services	$ 16,000.00	$ -	$ 16,000.00
Community Action Support / **Special Projects**	$ 31,200.00	$ 24,500.00	$ 6,700.00
TOTAL DIRECT EXPENSES	**$ 86,111.59**	**$ 60,520.00**	**$ 25,591.59**
GRAND TOTAL	**$ 574,581.59**	**$ 460,000.00**	**$ 114,581.59**

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Item 3C

HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY

AGENDA RECOMMENDATION FORM

BOARD OF DIRECTORS	**X**	**AGENDA ITEM**	**3C**
PLANNING COMMITTEE		**DATE SUBMITTED**	**2/11/14**
FINANCE COMMITTEE		**MEETING DATE**	**2/24/14**
TECHNICAL COMMITTEE			

2. Agenda Item: **RESOLUTION 2014-10 – APPROVAL OF WORK AUTHORIZATION NUMBER 9 TO PROFESSIONAL SERVICE AGREEMENT WITH DANNENBAUM ENGINEERING FOR PROGRAM MANAGEMENT OF THE STATE HIGHWAY 365, INTERNATIONAL BRIDGE TRADE CORRIDOR AND OVERWEIGHT TRUCK CORRIDOR PROJECTS.**

2. Nature of Request: (Brief Overview) Attachments: X Yes ___No

Approval of Work Authorization No. 9 to Professional Service Agreement with Dannanbaum Engineering for Program and Construction Management work for SH 365, International Bridge Trade Corridor and Overweight Corridor Projects in the amount of $10,340,781.60. Program and Construction Management work will be performed over the next 4 years (2014-2018).

3. Policy Implication: Board Policy, Local Government, Texas Government Code, Texas Transportation Code, TxDOT Policy

4. Budgeted: X Yes ___No ___N/A Funding Source: VRF Bond

Approved maximum payable fee	$5,827,389.25
Approved Work Authorizations 1, 3, 4, 5, 6 w/ S1-6 & 8 w/S1 *	$5,712,807.66
Maximum fee balance	$ 114,581.59
Total authorized for WA 1, 3, 4, 5, 6 w/ S1-6 & 8 w/S1 *	$5,712,807.66
Payments to date for WA 1, 3, 4, 5, 6 w/ S1-6 & 8	($5,395,381.37)
Work authorization balance	$ 317,426.29

*Proposed Work Authorization No. 7 with City of Pharr canceled

Proposed Work Authorization No. 9:	
Continued Program & Construction Management SH 365 & IBTC	$10,340,781.60
Total proposed Work Authorization No. 9	**$10,340,781.60**

5. Staff Recommendation**: Motion to approve Resolution 2014-10 - Approval of Work Authorization Number 9 to the Professional Service Agreement with Dannenbaum Engineering in the amount of $10,340,781.60, subject to an increase in the maximum payable fee in the amount of $10,340,781.60 for a revised amount of $16,053,589.26.**

6. Program Manager's Recommendation: ___Approved ___Disapproved **X** None

7. Planning Committee's Recommendation: ___Approved ___Disapproved **X** None

8. Board Attorney's Recommendation: ___Approved ___Disapproved **X** None

9. Chief Financial Officer's Recommendation: ___Approved ___Disapproved **X** None

10. Executive Director's Recommendation: **X** Approved ___Disapproved ___None

HCRMA
HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY

Memorandum

To: Dennis Burleson, Chairman

From: Pilar Rodriguez, PE, Executive Director

Date: February 11, 2014

Re: **Approval of Work Authorization Number 9 to Professional Service Agreement with Dannenbaum Engineering**

Background

At the October 27, 2011, regular meeting, the Board of Directors awarded a professional service agreement for general engineering and program management services to Dannenbaum Engineering (DEC) for a maximum payable amount of $5,000,000. Subsequently, the Board approved Work Authorizations No. 1, 3, 4, 5, 6, Supplemental 1, 2, 3, 4, 5 & 6 to Work Authorization No. 6, Work Authorization Number 8 and Supplemental 1 to Work Authorization 8 in the amounts of $909,960.63, $57,750.00, $891,814.61, $832,369.93, $689,834.33, $81,309.04, $149,120.30, $346,720.31, $1,437,465.41, $117,054.83 and $460,000.00 (Supplemental 6 to Work Authorization 6 was for no increase) respectively as discussed below.

Work Authorization No. 1 - was to review prior engineering, surveying, environmental and permitting work provided to the Hidalgo County Regional Mobility Authority (HCRMA).
Work Authorization No. 2 - was cancelled by the HCRMA Board.
Work Authorization No. 3 - was to provide title reports for the State Highway 365 (SH 365) Project.
Work Authorization No. 4 - was to update the new Executive Director, oversee the update of the Traffic & Revenue study, oversee environmental clearance/preliminary design of SH 365 and oversee various other tasks related to SH 365 and IBTC Projects.
Work Authorizations No. 5 & 6 - are to continue Program Management for SH 365 and International Bridge Trade Corridor (IBTC) Projects.
Supplemental No. 1 to Work Authorization No. 6 - was to provide a sketch level Traffic & Revenue Study for overweight trucks at the Pharr International Bridge and SH 365.
Supplemental No. 2 to Work Authorization No. 6 - was to provide a Value Engineering Study for the SH 365 Project.
Supplemental No. 3 to Work Authorization No. 6 - was to provide a low level aerial flight and topographic survey for the IBTC Project.
Supplemental No. 4 to Work Authorization No. 6 – was to provide updated TRZ parcels, implementation of overweight truck corridor, manage Engineers/Surveyors/Geotech for IBTC, local environment clearance of IBTC, negotiate final PS&E for SH 365, implement ProjectWise, evaluate Toll Integrator, manage Appraisers/Title Companies/ROW Agents, implement GIS for ROW Acquisition and perform value engineering for IBTC.
Supplemental No. 5 to Work Authorization No. 6 – was to provide non-destructive vertical utility locations for design of final PS&E for the SH 365 Project.
Supplemental No. 6 to Work Authorization No. 6 – was to revise the scope of services to include additional environmental coordination meeting required by TxDOT, as well as, analysis, meetings, exhibits and estimates for intervention in the Cross Valley Project.
Work Authorization No. 8 – was to provide continued program management for the SH 365 and Overweight Corridor Projects only.
Supplemental 1 to Work Authorization No. 8 – is proposed to revise the scope of work to include the IBTC Project and to deduct balance of work and close out the Work Authorization No. 8.

Goal

Staff is proposing Work Authorization No. 9 for Program and Construction Management for the SH 365 and IBTC Projects through 2018, when both projects are scheduled to open to motoring vehicles and be operational.

Work Authorization No. 9 takes into consideration a ramp up in effort to environmentally clear, design, acquire right of way, adjust utilities and bid both projects in 2014 and 2015. In 2016, 2017 and 2018 efforts are for Construction Management for both roadway segments. The effort is listed by year and is delineated by Program Management and Construction Management.

DEC Program Management efforts will ramp up this year and taper down in 2016, but will continue in a limited capacity until 2018. The attached spreadsheets detail the work, which will equal to $6,770,272.00 over the next four years.

DEC Construction Management efforts will ramp up at the end of 2014 and end in 2018. The attached spreadsheets also detail the work, which will equal to $3,570,509.60 between 2014 and 2018.

The HCRMA will hire an in-house Construction Engineer, Secretary and 8 Inspectors as part of the total Construction Management expense in the amount of $2,736,670.00, which equals to 0.93% of the total construction cost for SH 365 and IBTC. The total Construction Management (DEC + HCRMA) from 2014 to 2018 for both projects will equal to $6,307,179.60.

The proposed aggregate expense for Work Authorization Number 9 is $10,340,781,60 for both Program and Construction Management. DEC Program Management from 2011 to 2018 ($9,505,172.66) equals to 2.41% of the total development cost for both SH 365 and IBTC of $394,072,257.00. DEC Construction Management ($3,570,509.60) from 2014 to 2018 equals to 1.22% of total construction cost for SH 365 and IBTC of $293,789,355.00.

Additionally, it is proposed that staff be authorized to issue annual notice to proceed for Program Management and/or Construction Management as part of the approval. The Authority will still have the ability to issue a “Stop Work” on any portion of the professional service agreement in the event circumstances warrant such action.

Options

Work Authorization No. 9 may be disapproved, however, delaying the work may place the project schedule in jeopardy.

Recommendation

Based on review by this office, **approval of Resolution 2014-10 – Approval of Work Authorization No. 9 to the Professional Service agreement with Dannenbaum Engineering in the amount of $10,340,781.60 is recommended, subject to an increase in the maximum payable fee in the amount of $10,340,781.60 for a revised amount of $16,053,589.26.**

If you should have any questions or require additional information, please advise.

HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY

BOARD RESOLUTION No. 2014 – 10

APPROVAL OF WORK AUTHORIZATION NUMBER 9 OF PROFESSIONAL SERVICES AGREEMENT WITH DANNENBAUM ENGINEERING CORPORATION FOR PROGRAM AND CONSTRUCTION MANAGEMENT OF THE STATE HIGHWAY 365 AND INTERNATIONAL BRIDGE TRADE CORRIDOR PROJECTS

THIS RESOLUTION is adopted this 24th day of February, 2014, by the Board of Directors of the Hidalgo County Regional Mobility Authority at a regular meeting.

WHEREAS, the Hidalgo County Regional Mobility Authority (the "Authority"), acting through its Board of Directors (the "Board"), is a regional mobility authority created pursuant to Chapter 370, Texas Transportation Code, as amended (the "Act"); and

WHEREAS, the Authority is authorized by the Act to address mobility issues in and around Hidalgo County; and

WHEREAS, on October 27, 2011 the Authority awarded a professional service agreement for general engineering and program management services to Dannenbaum Engineering Corporation in the maximum payable amount of $5,000,000; and

WHEREAS, the Authority has subsequently approved Work Authorizations Numbers 1, 3, 4, 5 and 6, including Supplemental Number 1 to Work Authorization Number 4, Supplemental Numbers 1 & 2 to Work Authorization Number 5, and Supplemental Numbers 1, 2, 3,4, 5 & 6 to Work Authorization Number 6, in the amounts of $909,960.63, $57,750.00, $694,355.85, $769,236.96, $920,263.67, $346,720.31, $1,437,465.41 and 117,054.83 respectively; and

WHEREAS, on December 18, 2013, the Authority approved Supplemental Number 6 to Work Authorization Number 6 to the Professional Service Agreement with Dannenbaum Engineering to revise the scope of service with no increase in the Work Authorization Number 6 amount; and

WHEREAS, on January 22, 2014, the Authority approved Work Authorization Number 8 to the Professional Service Agreement with Dannenbaum Engineering to continue program management for the State Highway 365 and International Bridge Trade Corridor Projects in the amount of $574,581.59 and increased the maximum payable amount to $5,827,389.25; and

WHEREAS, on February 24, 2014, the Authority approved Supplemental Number 1 to Work Authorization Number 8 to the Professional Service Agreement with Dannenbaum Engineering that deducted work in the amount of $114,851.59 for a revised Work Authorization amount of $459,730.00 and closed out Work Authorization Number 8; and

WHEREAS, HCRMA staff has negotiated Work Authorization Number 9 for Program and Construction Management for the State Highway 365 and International Bridge Trade Corridor Projects from 2014 to 2018 in the amount of $10,340,781.60; and

WHEREAS, the Authority has determined it is necessary to approve Work Authorization Number 9 for Program and Construction Management of the State Highway 365 and International Bridge Trade Corridor Projects from 2014 to 2018 in the amount of $10,340,781.60;

NOW THEREFORE, BE IT RESOLVED, BY THE BOARD OF DIRECTORS OF THE HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY THAT:

Section 1. The recital clauses are incorporated in the text of this Resolution as if fully restated.

Section 2. The Board hereby approves Work Authorization Number 9 to the Professional Services Agreement with Dannenbaum Engineering Corporation hereto attached as Exhibit A.

Section 3. The Board authorizes the Executive Director to execute Work Authorization Number 9 as approved.

*****

PASSED AND APPROVED AS TO BE EFFECTIVE IMMEDIATELY BY THE BOARD OF DIRECTORS OF THE HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY AT A REGULAR MEETING, duly posted and noticed, on the 24th day of February, 2014, at which meeting a quorum was present.

Dennis Burleson, Chairman

Ricardo Perez, Secretary/Treasurer

EXHIBIT A

WORK AUTHORIZTION NUMBER 9
OF
PROFESSIONAL SERVICE AGREEMENT WITH DANNENBAUM ENGINEERING CORPORATION DATED OCTOBER 27, 2011

♦Contract♦

Hidalgo County
Regional Mobility Authority
(HCRMA)(Authority)

PROGRAM MANAGEMENT
CONSULTANT PROJECT

Engineering Services for any and all Services Required for the Development of all Projects undertaken by the Authority including the Entire Loop Project

WA No. 9

February 17, 2014

DANNENBAUM

ATTACHMENT D
WORK AUTHORIZATION
D-1
WORK AUTHORIZATION NO. 9
AGREEMENT FOR ENGINEERING SERVICES

THIS WORK AUTHORIZATION is made pursuant to the terms and conditions of "Article V of that certain Professional Services Agreement for Program Management Engineering Services" (the Agreement) entered into by and between the Hidalgo County Regional Mobility Authority (Authority), and Dannenbaum Engineering Corporation (the Engineer).

PART I. The Engineer will perform engineering services generally described and in accordance with the project description attached hereto and made a part of this Work Authorization. The responsibilities of the Authority and the Engineer as well as the work schedule are further detailed in Exhibits A, B and C which are attached hereto and made a part of the Work Authorization.

PART II. The maximum amount payable under this Work Authorization is **$10,340,781.60** and the method of payment is Lump Sum as set forth in Attachment E of the Agreement. This amount is based upon fees set forth in Attachment E, Fee Schedule, of the Agreement and the Engineer's Estimated Work Authorization Costs included in Exhibit D, Fee Schedule, which is attached and made a part of this Work Authorization.

PART III. Payment to the Engineer for the services established under this Work Authorization shall be made in accordance with Articles III thru V of the Agreement, and Attachment A, Section 1.

PART IV. This Work Authorization shall become effective on the date of final acceptance of the parties hereto and shall terminate on **June 30, 2018**, unless extended by a supplemental Work Authorization as provided in Attachment A, Section 1.

PART V. This Work Authorization does not waive the parties' responsibilities and obligations provided under the Agreement.

IN WITNESS WHEREOF, this Work Authorization is executed in duplicate counterparts and hereby accepted and acknowledged below.

THE ENGINEER	**THE AUTHORITY**
(Signature)	(Signature)
Louis H. Jones Jr., P.E.	Pilar Rodriguez
(Printed Name)	(Printed Name)
Principal	Executive Director
(Title)	(Title)
2/17/14	
(Date)	(Date)

LIST OF EXHIBITS

Exhibit A	Services to be provided by the Authority
Exhibit B	Services to be provided by the Engineer
Exhibit C	Work Schedule
Exhibit D	Fee Schedule/Budget
Exhibit H-2	Subprovider Monitoring System Commitment Agreement

EXHIBIT A
SERVICES TO BE PROVIDED BY THE AUTHORITY

The Authority shall furnish the following items to the Engineer:

1. The Authority shall provide the name(s) of the Authority's authorized representative(s) for this Agreement.
2. The Authority shall provide prompt review of all submittals; process monthly invoices and review monthly progress reports within forty-five (45) days of receiving such documents.
3. The Authority; where available; will provide copies of official correspondence to date.
4. The Authority shall authorize the Engineer to access and obtain all deliverables from Authority consultants on all projects undertaken by Authority to date. Including any applicable meeting minutes, correspondence and agency comments.
5. The Authority shall provide a copy of all Authority Agreements with other agencies. (i.e., TxDOT, City of Pharr, Hidalgo County, etc.).
6. To the extent possible, the Authority shall provide copies of correspondence and/or reports to TxDOT reporting on the Authority's DBE Program as outlined in the Memorandum of Understanding (MOU) Between the Authority and TxDOT executed on March 13, 2008. Also, the Authority shall provide the name of the designated DBE liaison officer with TxDOT; if not the Engineer, which is required under the above MOU.

The following assumptions have been made regarding the development of Exhibit "D"- Fee Schedule. If any of these assumptions prove to be invalid; then the Engineer reserves the right to request a change in scope.

<u>Assumptions for Work Authorization No. 9</u>

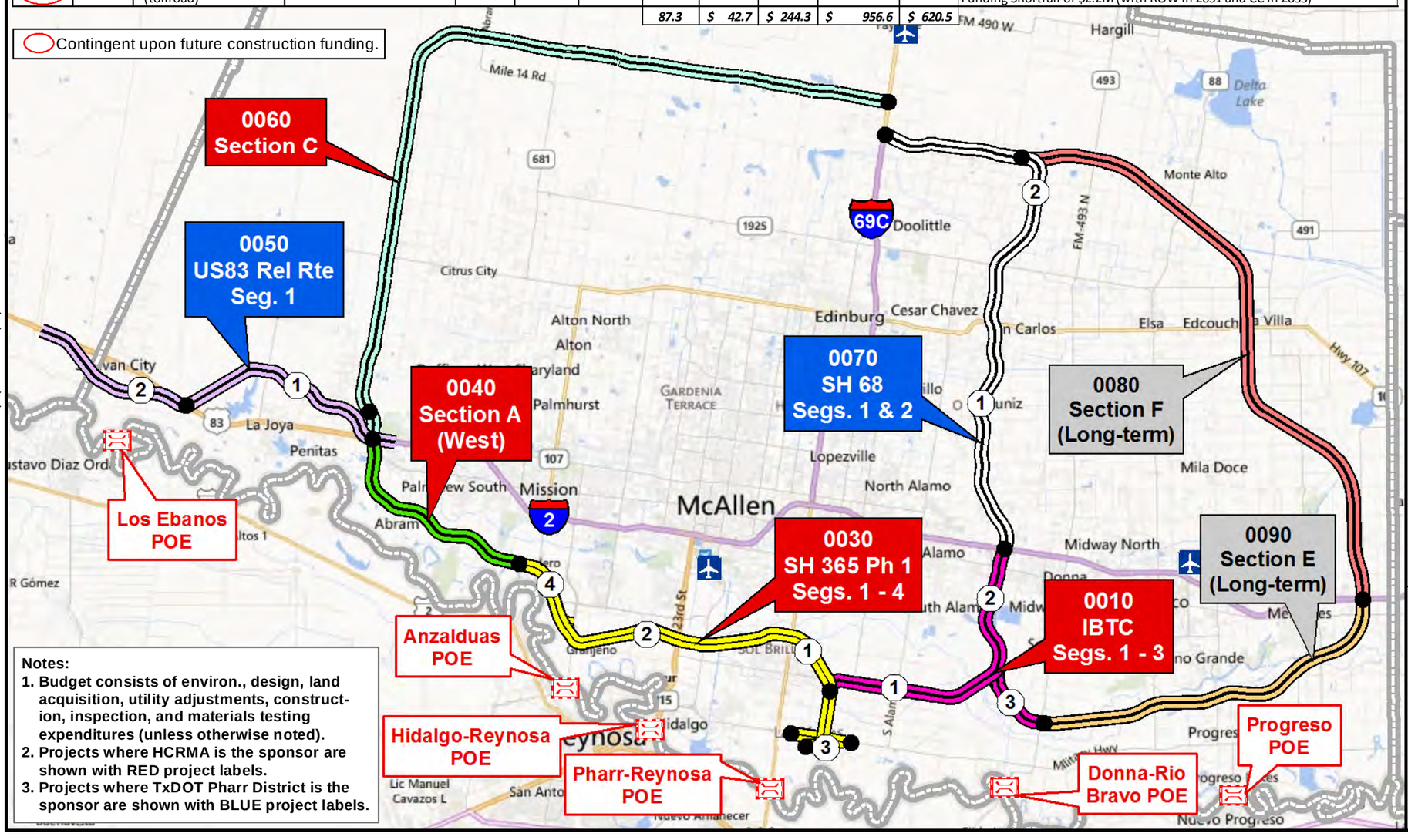
1. The Authority will provide all known existing studies affecting this project.

2. To its best efforts, the Authority will provide all available and applicable existing detailed construction cost estimates for all existing schematics.

3. Include all assumptions identified in task descriptions within Exhibit "D" Fee Schedule for this Work Authorization.

Project Letting	Project Sponsor	Project Name	Project Limits	Project Number	Env. Clearance	Constr. Ends	Length (Miles)	ENG ($M)	ROW ($M)	CC at Letting ($M)	Budget ($M)	Project Funding / Other Notes
09/2014	HCRMA	SH 365 Ph 1 (Seg. 3) (nontoll)	0.45mi E of Spur 600 to FM 2557 incld MilHwy OP	0033	10/2014	06/2016	1.84	$ 1.4	$ 3.0	$ 17.4	$ 22.7	Fed. $6.6; Local $16.2M (VRF); Fully Funded
04/2015	TxDOT	US83 Rel. Rte. Seg. 1 (nontoll frontage	0.85 Mi East of FM 886 to 0.28 Mi W. of Showers Rd	0050	06/2014	07/2018	8.30	TxDOT In-house	$ 18.0	$ 65.5	$ 83.5	State $60M; Fed. $23.5M; Fully Funded
09/2015	HCRMA	SH 365 Ph 1 (Segs. 1&2) (tollroad)	FM 396 to US 281	0030	10/2014	06/2018	13.31	$ 10.8	$ 51.6	$ 137.4	$ 209.4	Env. Clearance Segs. 1-4; State $112M; Local $97.4M (VRF/Toll Rev. Bonds); Fully Funded for Segs. 1-3
09/2015	HCRMA	SH 365 Ph 2 (Seg. 4) (tollroad)	FM 1016 to FM 396	0034	10/2014	06/2018	2.65	$ 2.1	$ 5.4	$ 30.7	$ 40.7	Funding Shortfall $40.7M for Seg. 4
09/2015	HCRMA	IBTC (Segs. 1-3) (tollroad)	FM 3072 to IH-2 (mainlanes), to FM 493 (connector rd)	0010	05/2015	06/2018	13.06	$ 12.5	$ 40.2	$ 108.3	$ 169.8	Env. Clearance Segs. 1-3; State Match $25M; Local Funds $42.8M (VRF/Toll Rev. bonds); Funding Shortfall $102M (incld. $3M for Seg. 3 connector rd, per VE Study); Can meet letting date if fully funded
04/2016	TxDOT	SH 68 (nontoll frontage roads)	Env: I-69C to IH-2; Constr: FM 1925 to IH-2	0070	12/2015	04/2019	10.00	$ 6.5	$ 23.5	$ 55.0	$ 85.0	Env. Clearance Segs. 1+2 or all 19.9Mi; 10 Mi of Frontage Roads Fully Funded
02/2025	HCRMA	Section C (tollroad)	IH-2 to IH-69C	0060	05/2019	06/2028	29.85	$ 7.2	$ 80.2	$ 407.3	$ 7.2	Eng. covers Advance Planning Only (Env./Schem./Topo); Local Funds; Funding Shortfall of $7.27M (with ROW in 2022 and CC in 2025)
09/2033	HCRMA	Section A (West) (tollroad)	FM 1016 to IH-2	0040	05/2019	12/2036	8.26	$ 2.2	$ 22.4	$ 135.0	$ 2.2	Eng. covers Advance Planning Only (Env./Schem./Topo); Local Funds; Funding Shortfall of $2.2M (with ROW in 2031 and CC in 2033)
							87.3	***$ 42.7***	***$ 244.3***	***$ 956.6***	***$ 620.5***	

Contingent upon future construction funding.



Notes:
1. Budget consists of environ., design, land acquisition, utility adjustments, construct-ion, inspection, and materials testing expenditures (unless otherwise noted).
2. Projects where HCRMA is the sponsor are shown with RED project labels.
3. Projects where TxDOT Pharr District is the sponsor are shown with BLUE project labels.

Path: G:\1540\4652\PM\GIS\EXHIBITS\2014-02-13 StratPln Map (WA9 Scope).mxd

HCRMA
HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY
DANNENBAUM - PROGRAM MANAGER
1109 NOLANA LOOP, STE 208 McALLEN, TX 78504 (956)682-3677

EXHIBIT B - SCOPE OF SERVICES FOR THE ENGINEER (PMC) SHORT TERM STRATEGIC PLAN 2014-2022

ALIGNMENT
- 0010 IBTC
- 0030 SH365
- 0040 Section A West
- 0050 US 83 Rel Rte
- 0060 Section C
- 0070 SH 68 (Section D)
- 0080 Section F
- 0090 Section E

TRANSPORTATION
- Airport
- International Bridge

ENVIRONMENTAL
- HAZMAT
- Oil & Gas Well (Hrz-Top)
- Oil & Gas Well (Vrt-Top)
- Oil & Gas Pipeline
- Wetland

DRAINAGE
- HCDD1 Boundary
- HCDD1 Drainage Sys.

WATERWAY
- Elevation Contour (2 Ft)
- Waterway
- Floodway
- 100 Year Floodplain

IRRIGATION
- LRGV Diversion Pnt.
- LRGV Irrigation Canal
- LRGV Water Storage
- LRGV Irrigation Dist. (Ex. Colors)

BOUNDARY
- LRGV County
- Other County
- City (Ex. Colors)
- Parcel
- Park - Hidalgo Bus.
- Park - TX StratMap
- Cultural - TX StratMap
- TRZ
- LU/LC (Ex. Colors)
- School Dist. (Ex. Colors)

HIDALGO DISTRICT
- District 1
- District 2
- District 3
- District 4

BING-BASEMAP
- Bing Maps Hybrid
- Bing Maps Aerial
- Bing Maps Road

SUBJECT TO BOARD REVIEW & APPROVAL 02/26/2014

Disclaimer: This product is for informational purposes only and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. It does not represent an on-the-ground survey and represents only the approximate relative location of boundaries. No claims are made to the accuracy or completeness of the information shown herein nor to its suitability for a particular use. The scale and location of all mapped data are approximate.

Scale: 0 2.5 5 10 Miles

Author: E. Davila **Date Saved: 2/13/2014**

EXHIBIT B
Scope of Services to be Provided by the Engineer
for Work Authorization No. 9

The scope outlined below is contingent upon Board Approval of the 2014 Strategic Plan made part of this scope of services.

Program Management Consultant services for:

1. Systemwide Management tasks for: cost and scheduling controls, ROW and utility tool operations, toll integration, and coordination with HCRMA Staff / Stakeholders
2. Project Management tasks for: State Highway 365 (SH 365) and International Bridge Trade Corridor (IBTC) including ROW acquisition and utility relocations, and bid phase.
3. Construction Management tasks for: State Highway 365 (SH 365) and International Bridge Trade Corridor (IBTC).

I. Systemwide Management

1. Systemwide General Administrative Support (including coordination with HCRMA Executive Director's Office)
   A. Briefings on consultant activity, stakeholder coordination, and general RMA business matters (monthly @ 1 hr./mtg.)
   B. Briefings on ideas to mitigate risks or issues that arise during plan design, ROW acquisition, and utility relocations (monthly @ 1 hr./mtg.)
   C. Support for consultant invoice reviews (monthly)(6 Engrs.; 6 Surveyors; 1 Environmental)
      1) SH 365 – Environmental (0030 Atkins)
      2) SH 365 – Survey (0031 QHA)
      3) SH 365 – Survey (0032/0034 DLS)
      4) SH 365 – Survey (0033 TEDSI)
      5) SH 365 – Engineering (0031 S&B)
      6) SH 365 – Engineering (0032/0034 L&G)
      7) SH 365 – Engineering (0033 TEDSI)
      8) SH 365 – ROW Acquisition (5 Agents HCRMA + County Precincts)
      9) SH 365 – ROW Acquisition (2 Appraisers Primary/Secondary + Review)
      10) SH 365 – ROW Acquisition (1 Title Company)
      11) IBTC – Environmental (0010 Atkins)
      12) IBTC – Survey (0011 Surveyor 1)
      13) IBTC – Survey (0012 Surveyor 2)
      14) IBTC – Survey (0013 Surveyor 3)
      15) IBTC – Engineering (0011 Engineer 1)

16) IBTC – Engineering (0012 Engineer 2)
17) IBTC – Engineering (0013 Engineer 3)
18) IBTC – ROW Acquisition (5 Agents HCRMA + County Precincts)
19) IBTC – ROW Acquisition (2 Appraisers Primary/Secondary + Review)
20) IBTC – ROW Acquisition (1 Title Company)

D. Support for Board packet preparation (planning, finance, and full Board) (monthly)
E. Support for contract management (create contracts, work authorizations, and supplemental agreements) (monthly)
F. Technical review of legal documents
G. Prepare Annual Report (yearly)

2. Cost and Scheduling Controls
   A. Maintain document control efforts to record all HCRMA files (via ProjectWise) (daily)
   B. Implement and maintain cost and scheduling controls for: invoicing, submittals, monthly reports, and schedule updates) (weekly)
   C. Keep cost accounting up to date (input cost data) (weekly)
   D. Develop monthly operating cashflows (monthly)
   E. Update of Project Development Strategic Plan for construction cost updates, scheduling updates, revenue sources updates, etc. (semi-yearly)
   F. Incorporate New T&R Numbers into updated Strategic Plan (semi-yearly)
   G. Provide updated cashflows to financial advisor (semi-yearly)
   H. Review financial plan update results with HCRMA Staff (semi-yearly)
3. Coordination with TxDOT Staff (All Projects)
   A. Provide updated schedules and cost estimates (Monthly)
   B. Provide other information regarding project progress or strategic plan development
   C. Coordinate funding and reimbursement agreements (e.g. AFA for SH 365)
   D. Develop DBE Report and submit for approval to TxDOT (quarterly)
   E. Coordinate / obtain approval of state designation for IBTC
   F. Coordinate / funding and reimbursement agreement (e.g. AFA for IBTC)
4. HCMPO Coordination
   A. Coordinate updates to STIP/MTP for SH 365 and IBTC
5. Meetings with stakeholders (All Projects)
   A. HCRMA
      1) Board Meetings (monthly, including presentation)
      2) Planning Committee Meetings (monthly)
      3) Finance Committee Meetings (monthly)
      4) Meet individual Board Members (monthly)
      5) Special Board Meetings (quarterly)
      6) HCRMA Meetings with Legal Advisor (bi-annual)
   B. Federal

1) Congress in D.C. (every 6 months, including travel) Including Preparation

C. State
   1) Senator(s) (quarterly) Including Preparation
   2) Representative(s) (every 2 months w/ Sergio Muñoz/Bobby Guerra/Armando Martinez) Including Preparation
   3) TxDOT-Pharr District Engineer (monthly) Including Preparation
   4) TxDOT-Austin (quarterly) Including Preparation

D. Hidalgo County
   1) County Judge (1) (every 2 months) Including Preparation
   2) Commissioners (4) (every 3 months) Including Preparation
   3) Commissioner's court (every 2 months) Including Preparation
   4) Metropolitan Planning Organization (monthly TAC meetings)

E. Municipalities (quarterly, including preparation)
   1) City of Mission
   2) City of Granjeno
   3) City of McAllen
   4) City of Pharr
   5) City of San Juan
   6) City of Alamo
   7) City of Donna
   8) City of Edinburg
   9) City of Weslaco
   10) City of Mercedes
   11) City of Edcouch
   12) City of La Joya
   13) City of Peñitas
   14) City of Palmview

6. Public Outreach
   A. Implement Public Outreach Plan (monthly)
   B. Assist / Develop Support Resolution From All Cities for Strategic Plan (every six months)
   C. Meet With Large Property Owners (SH 365 & IBTC) (quarterly) (total 4 mtgs/quarter @ 2 hr/mtg) Including Preparation
   D. Meet With EDC for the Cities of McAllen / Mission (quarterly) (2 hr/mtg)Including Preparation
   E. Meet With Trade Association / Civic Association (US / Mexico) (quarterly) (2 hr/mtg)
7. Offsite Drainage Coordination (18 outfalls for SH 365 and 13 outfalls for IBTC) (6 months) (Assume each outfall 90 days for design and 120 days for construction) (Assume all SH 365 / IBTC design / ROW completed in 2014 with 8 outfalls on SH 365 constructed in 2014 and 3 outfalls constructed on IBTC in 2014) (Remaining to be constructed in 2015)
   A. Implement conditions of the Inter Local Agreement

B. Coordinate outfall locations
C. Participate in review for reimbursement agreements and verify scope of work and cost estimates for each outfall project to be funded by HCRMA local funding
D. SH 365 Outfalls (18 total) (coordinate w/ HCDD#1 RFI's during prelim. Eng., PS&E, ROW, and construction)
    1) Review consultant/contractor/HCDD#1 requests for Information (RFI's)
    2) 30% Review of PS&E developed by HCDD#1's consultants
    3) 60% Review of PS&E developed by HCDD#1's consultants
    4) 90% Review of PS&E developed by HCDD#1's consultants
    5) 100% Review of PS&E developed by HCDD#1's consultants
    6) Monthly visit to jobsite to review progress
    7) Review monthly contractor pay estimates
    8) Final field walk thru after construction
    9) Final reconciliation of engineering contract costs
    10) Final reconciliation of R.O.W. costs
    11) Final reconciliation of construction cost
E. IBTC Outfalls (13 total) (coordinate w/ HCDD#1 RFI's during prelim. Eng., PS&E, ROW, and construction)
    1) Review consultant/contractor/HCDD#1 requests for Information (RFI's)
    2) 30% Review of PS&E developed by HCDD#1's consultants
    3) 60% Review of PS&E developed by HCDD#1's consultants
    4) 90% Review of PS&E developed by HCDD#1's consultants
    5) 100% Review of PS&E developed by HCDD#1's consultants
    6) Monthly visit to jobsite to review progress
    7) Review monthly contractor pay estimates
    8) Final field walk thru after construction
    9) Final reconciliation of engineering contract costs
    10) Final reconciliation of R.O.W. costs
    11) Final reconciliation of construction cost

8. Overweight/Oversize (OW/OS) Corridor Implementation
    A. Assist in online permitting implementation
    B. Attend meetings with OW/OS Corridor stakeholders
        1) City of Pharr International Bridge Staff (3 Mtgs. @ 2 hrs./mtg.)
        2) DPS Regional Office (2 Mtgs. @ 2 hrs./mtg.)
        3) TxDOT Pharr District (2 Mtgs. @ 2 hrs./mtg.)
        4) City of McAllen International Bridge Staff (2 Mtgs. @ 2 hrs./mtg.)
        5) Industry Associations in Mexico (2 Mtgs. @ 2 hrs./mtg.)
        6) Industry Associations in the U.S. (2 Mtgs. @ 2 hrs./mtg.)
    C. Manage communications between certified scales and permitting office
    D. Develop Project Roadway Map (based on what is state din the 83rd Legislature H.B. No. 474) (include Project Roads, Road Mile Marker Segments, and Symbolized by Pavement Type and Condition Rating (by TxDOT/TTI))

1) U.S. Highway 281 between its intersection with the Pharr-Reynosa International Bridge and its intersection with State Highway 336;
2) State Highway 336 between its intersection with U.S. Highway 281 and its intersection with Farm-to-Market Road 1016;
3) Farm-to-Market Road 1016 between its intersection with State Highway 336 and its intersection with Trinity Road;
4) Trinity Road between its intersection with Farm-to-Market Road 1016 and its intersection with Farm-to-Market Road 396;
5) Farm-to-Market Road 396 between its intersection with Trinity Road and its intersection with the Anzalduas International Bridge;
6) Farm-to-Market Road 2061 between its intersection with Farm-to-Market Road 3072 and its intersection with U.S. Highway 281;
7) U.S. Highway 281 between its intersection with the Pharr-Reynosa International Bridge and its intersection with Spur 29;
8) Spur 29 between its intersection with U.S. Highway 281 and its intersection with Doffin Canal Road; and
9) Doffin Canal Road between its intersection with the Pharr-Reynosa International Bridge and its intersection;

9. Toll Integration (Toll Consultant)
   A. Manage one consultant for loop toll integration scope and coordination with local ports of entry, municipalities, and County on toll collection technology and policies for entire loop concept.
   B. Manage the integration of toll equipment and processes into SH 365 PS&E
   C. Manage the integration of toll equipment and processes into IBTC PS&E
   D. Manage the integration of equipment for violation collections at each port of entry to minimize leakage in T&R Revenue Projections
10. Traffic and Revenue (by C&M, Managed by Dannenbaum in a Future WA)
11. Coordinate / obtain approval from USIBWC on SH 365 (all segments) and IBTC (all segments)
   A. Coordinate / obtain approval from USIBWC / CILA (Mexico USIBWC) for Environmental for SH 365
   B. Coordinate / obtain approval from USIBWC / CILA for Environmental IBTC
   C. Coordinate / obtain approval of Hydraulic Impact Statement from USIBWC/CILA for SH 365
   D. Coordinate / obtain approval of Hydraulic Impact Statement from USIBWC /CILA for IBTC
   E. Prepare / obtain approval from USIBWC / CILA for construction license for SH 365
   F. Prepare / obtain approval from USIBWC / CILA for construction license for IBTC
   G. Meeting with USIBWC (El Paso) (4 Mtgs. @ 24 hr./mtg. including travel time)Including preparation
12. Coordinate railroad permits submittal and processing through TxDOT (Include Preparation of Permits) (One permit for SH 365, One permit for IBTC)

EXHIBIT B
Scope of Services to be Provided by the Engineer
for Work Authorization No. 9

II. Project Management

1. Project Management SH 365 (Segment 1: from US 281 to McColl Rd; Segment 2: from McColl Rd to FM 396; Segment 3: Along US 281 to BSIF; and Segment 4: FM 396 to FM 1016)
   A. Manage Federal Environmental Document efforts leading to FONSI (1 consultant) (Segments 1 – 4: 0031-0034) (Assisted by Blanton and Associates)
      1) Review draft documents
      2) Respond to RFI's to complete environmental documents
      3) Coordination with TxDOT Pharr District and Austin ENV
      4) Conduct and organize a public hearing (prior to issuance of FONSI) Including preparation of exhibits
   B. Manage ROW Strip Map and parcel plats (Segment 1: 0031 QHA) (Assisted by Aranda and Associates)
      1) Final Review of Strip Map
      2) Manage Preparation of Parcel Maps
      3) Final Review of Individual Parcel Maps
   C. Manage ROW Strip Map and parcel plats (Segment 2 & Segment 4: 0032 & 0034 DLS) (Assisted by Aranda and Associates)
      1) Final Review of Strip Map
      2) Manage Preparation of Parcel Maps
      3) Final Review of Individual Parcel Maps
   D. Manage ROW Strip Map and parcel plats (Segment 3: 0033 TEDSI) (Assisted by Aranda and Associates)
      1) Final Review of Strip Map
      2) Manage Preparation of Parcel Maps
      3) Final Review of Individual Parcel Maps
   E. Coordinate submittal and processing of final schematic (Segments 1 – 4: 0031-0034)
      1) To TxDOT-Austin for approval
      2) To FHWA for approval
   F. Manage PS&E (Segment 1: 0031 S&B)
      1) Coordination meetings with project managers (monthly) (2 hrs. / mtg.)
      2) 30% PS&E Plan Review
      3) 60% PS&E Plan Review (2 mtgs. @ 2 hrs. / mtg.)
      4) 90% PS&E Plan Review (1 mtg. @ 4 hrs. / mtg.) Including preparation
      5) 100% PS&E Plan Review
   G. Manage PS&E (Segment 2 & Segment 4: 0032 & 0034 L&G)
      1) Coordination meetings with project managers (monthly) (2 hrs. / mtg.)
      2) 30% PS&E Plan Review
      3) 60% PS&E Plan Review (2 mtgs. @ 2 hrs. / mtg.)
      4) 90% PS&E Plan Review (1 mtg. @ 4 hrs. / mtg.) Including preparation
      5) 100% PS&E Plan Review

H. Manage PS&E (Segment 3: 0033 TEDSI)
   1) Coordination meetings with project managers (monthly)
   2) 30% PS&E Plan Review
   3) 60% PS&E Plan Review (2 mtgs. @ 2 hrs. / mtg.)
   4) 90% PS&E Plan Review (1 mtg. @ 4 hrs. / mtg.) Including preparation
   5) 100% PS&E Plan Review

I. Manage the integration of toll equipment and processes into PS&E (Segments 1 – 4: 0031-0034) (1 consultant)
   1) Coordination meetings with project managers (monthly)
   2) 30% PS&E Plan Review
   3) 60% PS&E Plan Review (2 mtgs. @ 2 hrs. / mtg.)
   4) 90% PS&E Plan Review (1 mtg. @ 4 hrs. / mtg.) Including preparation
   5) 100% PS&E Plan Review

J. Coordinate ROW Acquisition (Segments 1 – 4: 0031-0034) (Assisted by Aranda and Associates)
   1) Coordinate data input into web-based interface server
   2) Coordinate with HCRMA Legal Team Title Reports, Appraisals on ROW acquisition
   3) Coordinate with ROW-Agent Title Reports, Appraisals on ROW acquisition
   4) Document / Track ROW acquisition of Individual Parcels
   5) Monthly Coordination Meetings with HCRMA Legal Team on ROW Acquisition (2 hrs./mtg.) Including Preparation

K. Coordinate Utility Relocations (Segments 1 – 4: 0031-0034)
   1) Manage Subsurface utility exposures SUE
   2) Utility coordination meetings to develop utility relocation plans (monthly) (4 mtgs./month @ 2 hrs./mtg.)
   3) Follow up coordination with utilities to develop utility agreements (assume 56 compensable and 37 non-compensable potential relocations, actual number of utility owners is smaller but may require separate agreements to move each portion of their system) Including Agreement Preparation
   4) Negotiate / prepare proposed supplemental with S&B Infrastructure on PS&E additions for utility relocation plans (Segment 1: 0031 S&B)
   5) Negotiate / prepare proposed supplemental with L&G on PS&E additions for utility relocation plans (Segment 2 & Segment 4: 0032 & 0034 L&G)
   6) Negotiate / prepare proposed supplemental with TEDSI on PS&E additions for utility relocation plans (Segment 3: 0033 TEDSI)

L. Bid Phase Management Services (Segment 3: 0033 @ 3 months) PMC services include assisting HCRMA staff with the procurement/negotiation/contracting of: General Contractor; materials testing services provider; construction inspector(s) services provider (09/2014 – 11/2014)
   1) Manage assemble all documents for Final Bid Package (plans, specifications, and estimate).
   2) Prepare draft copy of Final Bid Package.
   3) Coordinate and conduct meetings with TxDOT for review of Draft Bid Package.
   4) Prepare Final Bid Package.
   5) Prepare online Bid Package (Bid Package solution selected by HCRMA).

6) Advertise Notice to Bid.
7) Coordinate and conduct "Pre-Bid Meeting".
8) Document the "Pre-Bid Meeting".
9) Field Contractor questions (RFI'S) regarding Bid Documents.
10) Prepare and Distribute responses (Addendums) to Contractor RFI's.
11) Assist HCRMA staff in conducting the Bid Opening.
12) Review and submit recommended shortlist of best value bid(s) to HCRMA staff.
13) Prepare and Issue Notice of Award Document.
14) Negotiation of the Contract, PMC services include:
    a) Pre-negotiation meeting.
    b) Review of Scope of Services and Manhour and Fee Estimates
15) Issuance of the Contract, PMC services include:
    a) Preparation of Contract Document and Exhibits.
    b) Obtaining Contractor signature and supporting documents, bonds, insurance certificate, etc.
    c) Submitting to HCRMA board for approval.
    d) Issuance of Final board approved contract to General Contractor/Service Provider.

M. Bid Phase Management Services (Segments 1, 2, & 4: 0031/0032/0034 @ 4 months) PMC services include assisting HCRMA staff with the procurement/negotiation/contracting of: General Contractor; materials testing services provider; construction inspector(s) services provider (09/2015 – 12/2015)

1) Manage assemble all documents for Final Bid Package (plans, specifications, and estimate).
2) Prepare draft copy of Final Bid Package.
3) Coordinate and conduct meetings with TxDOT for review of Draft Bid Package.
4) Prepare Final Bid Package.
5) Prepare online Bid Package (Bid Package solution selected by HCRMA).
6) Advertise Notice to Bid.
7) Coordinate and conduct "Pre-Bid Meeting".
8) Document the "Pre-Bid Meeting".
9) Field Contractor questions (RFI'S) regarding Bid Documents.
10) Prepare and Distribute responses (Addendums) to Contractor RFI's.
11) Assist HCRMA staff in conducting the Bid Opening.
12) Review and submit recommended shortlist of best value bid(s) to HCRMA staff.
13) Prepare and Issue Notice of Award Document.
14) Negotiation of the Contract, PMC services include:
    a) Pre-negotiation meeting.
    b) Review of Scope of Services and Manhour and Fee Estimates
15) Issuance of the Contract, PMC services include:
    a) Preparation of Contract Document and Exhibits.
    b) Obtaining Contractor signature and supporting documents, bonds, insurance certificate, etc.
    c) Submitting to HCRMA board for approval.

d) Issuance of Final board approved contract to General Contractor/Service Provider.

2. Project Management IBTC (Segments 1: Interchange with SH 365 to Floodway Bridge; Segment 2: Floodway Bridge to Valley View Interchange to I-2; and Segment 3: Valley View Interchange to FM 493)
   A. Manage Federal Environmental Document efforts leading to FONSI (1 consultant) (Segments 1-3: 0011-0013) (Assisted by Blanton and Associates)
      1) Review draft documents
      2) Respond to RFI's to complete environmental documents
      3) Coordination with TxDOT Pharr District and Austin ENV
      4) Conduct and organize a public meeting (prior to submittal of document to TxDOT ENV) Including Preparation of Exhibits
   B. Manage ROW Strip Map and parcel plats (Segment 1: 0011 Surv1) (Assisted by Aranda and Associates)
      1) Final Review of Strip Map
      2) Manage Preparation of Parcel Maps
      3) Final Review of Individual Parcel Maps
   C. Manage ROW Strip Map and parcel plats (Segment 2: 0012 Surv2) (Assisted by Aranda and Associates)
      1) Final Review of Strip Map
      2) Manage Preparation of Parcel Maps
      3) Final Review of Individual Parcel Maps
   D. Manage ROW Strip Map and parcel plats (Segment 3: 0013 Surv3) (Assisted by Aranda and Associates)
      1) Final Review of Strip Map
      2) Manage Preparation of Parcel Maps
      3) Final Review of Individual Parcel Maps
   E. Coordinate submittal and processing of final schematic (Segments 1-3: 0011-0013)
      1) To TxDOT-Austin for approval
      2) To FHWA for approval
   F. Manage PS&E (Segment 1: 0011 Eng1) (WA No. 1 including drainage study and utility reports)
      1) Coordination meetings with project managers (monthly) (2 hrs. / mtg.)
      2) 30% PS&E Plan Review
      3) 60% PS&E Plan Review (2 mtgs. @ 2 hrs. / mtg.)
      4) 90% PS&E Plan Review (1 mtg. @ 4 hrs. / mtg.) Including preparation
      5) 100% PS&E Plan Review
   G. Manage PS&E (Segment 2: 0012 Eng2) (WA No. 1 including drainage study and utility reports)
      1) Coordination meetings with project managers (monthly) (2 hrs. / mtg.)
      2) 30% PS&E Plan Review
      3) 60% PS&E Plan Review (2 mtgs. @ 2 hrs. / mtg.)
      4) 90% PS&E Plan Review (1 mtg. @ 4 hrs. / mtg.) Including preparation
      5) 100% PS&E Plan Review
   H. Manage PS&E (Segment 3: 0013 Eng3) (WA No. 1 including drainage study and utility reports)
      1) Coordination meetings with project managers (monthly) (2 hrs. / mtg.)

2) 30% PS&E Plan Review
3) 60% PS&E Plan Review (2 mtgs. @ 2 hrs. / mtg.)
4) 90% PS&E Plan Review (1 mtg. @ 4 hrs. / mtg.) Including preparation
5) 100% PS&E Plan Review

I. Manage the integration of toll equipment and processes into PS&E (Segments 1-3: 0011-0013) (1 consultant)
1) Coordination meetings with project managers (monthly)
2) 30% PS&E Plan Review
3) 60% PS&E Plan Review (2 mtgs. @ 2 hrs. / mtg.)
4) 90% PS&E Plan Review (1 mtg. @ 4 hrs. / mtg.) Including preparation
5) 100% PS&E Plan Review

J. Coordinate ROW Acquisition (Segments 1-3: 0011-0013 and Near I-2 / other strategic areas) (Assisted by Aranda and Associates)
1) Coordinate data input into web-based interface server
2) Coordinate with HCRMA Legal Team Title Reports, Appraisals on ROW acquisition
3) Coordinate with ROW-Agent Title Reports, Appraisals on ROW acquisition
4) Document / Track ROW acquisition of Individual Parcels
5) Monthly Coordination Meetings with HCRMA Legal Team on ROW Acquisition

K. Coordinate Utility Relocations (Segments 1-3: 0011-0013 and Near I-2 / other strategic areas)
1) Manage Subsurface utility exposures SUE
2) Utility coordination meetings to develop utility relocation plans (monthly) (4 mtgs./month @ 2 hrs./mtg.)
3) Follow up coordination with utilities to develop utility agreements (assume 56 compensable and 37 non-compensable agreements) Including Agreement Preparation
4) Negotiate / prepare proposed supplemental with Eng1 on PS&E additions for utility relocation plans
5) Negotiate / prepare proposed supplemental with Eng2 on PS&E additions for utility relocation plans
6) Negotiate / prepare proposed supplemental with Eng3 on PS&E additions for utility relocation plans

L. Bid Phase Management Services (Segments 1-3: 0011-0013 @ 4 months) PMC services include assisting HCRMA staff with the procurement/negotiation/contracting of: General Contractor; materials testing services provider; construction inspector(s) services provider (09/2015 – 12/2015)
1) Manage assemble all documents for Final Bid Package (plans, specifications, and estimate).
2) Prepare draft copy of Final Bid Package.
3) Coordinate and conduct meetings with TxDOT for review of Draft Bid Package.
4) Prepare Final Bid Package.
5) Prepare online Bid Package (Bid Package solution selected by HCRMA).
6) Advertise Notice to Bid.
7) Coordinate and conduct “Pre-Bid Meeting”.
8) Document the “Pre-Bid Meeting”.
9) Field Contractor questions (RFI’S) regarding Bid Documents.
10) Prepare and Distribute responses (Addendums) to Contractor RFI’s.
11) Assist HCRMA staff in conducting the Bid Opening.

12) Review and submit recommended shortlist of best value bid(s) to HCRMA staff.
13) Prepare and Issue Notice of Award Document.
14) Negotiation of the Contract, PMC services include:
    a) Pre-negotiation meeting.
    b) Review of Scope of Services and Manhour and Fee Estimates
15) Issuance of the Contract, PMC services include:
    a) Preparation of Contract Document and Exhibits.
    b) Obtaining Contractor signature and supporting documents, bonds, insurance certificate, etc.
    c) Submitting to HCRMA board for approval.
    d) Issuance of Final board approved contract to General Contractor/Service Provider.

III. Construction Management

1. Construction Management Services for SH 365 (Segments 1, 2, & 4: 0031/0032/0034 between 1/2016 - 06/2018 and Segment 3: 0033 between 12/2014 - 06/2016) and IBTC (Segments 1-3: 0011-0013 between 1/2016 - 06/2018)
   A. Program Management and Administration
      1) The PMC shall continue to provide a Program Manager, (part time); and one Project Operation/Controls Managers, and support administration to continue management of the daily aspects of the program during the Construction Phase and the scope of services listed herein.
      2) The PMC shall provide updates and amendments to the PMP as necessary to address Construction Phase Services.
      3) The PMC shall develop all sequencing and logic, as well as durations of activities and the interface logic between adjacent construction contracts. All construction schedules will be linked to the Master Program Schedule and summarized with the program's monthly program reports.
      4) The PMC shall develop initial construction time determination schedule, establish contract milestones for all construction lettings. The PMC shall develop incentive/disincentive strategies, lane rental strategies.
      5) The PMC shall provide recommendations on and develop scheduling related general notes, special provisions, and special specifications for design sections. These will be coordinated with the respective SDC(s).
      6) Prepare summary progress reports for each construction contract on a quarterly basis. The report will provide a progress curve that compares planned construction performance, expressed as percentage complete, with actual performance. It will also include a summary of amounts paid to date compared with contract value, a summary statement regarding accomplishments during the reporting period and a listing of major concerns and issues pertaining to construction performance. A summary performance curve will be developed and maintained that shows the overall status of the entire construction project for presentation on an as-needed basis.

7) Log of construction segments including time constructed, major elements, major sequencing, contractors involved, utilities and third parties involved, and record drawings.

B. Construction Scheduling Support: The PMC will provide construction scheduling support services for the HCRMA utilizing Primavera. Services for the following are included:

2) Schedule Review
   a) Review, analyze and provide recommendations and report on Contractors' Preliminary Schedule.
   b) Review, analyze and provide recommendations and report on Contractors' Detailed Schedule.
   c) Coordinate with HCRMA and contractor to modify preliminary and detailed schedule, if needed.
   d) Attend Preconstruction Meeting and any other meetings needed.
3) Monthly Schedule Update Analysis
   a) Review and analyze contractor's monthly schedule update. Include review of critical and near critical activities.
   b) Coordinate with field personnel, including site visits, to compare actual construction status with contractor's monthly update.
   c) Coordinate with adjacent project to determine possible conflicts or impacts.
   d) Provide monthly report documenting findings and identifying possible future conflicts.
   e) Attend monthly report documenting findings and identifying possible future conflicts.
4) Time Impact Analysis
   a) Review and analyze Time Impact Analysis from contractor
   b) Coordinate with HCRMA/field personnel personnel to determine reasoning for time impact.
   c) Provide report and recommendations to mitigate impact and justification for granting/rejecting time requested.
   d) Recommend scheduling alternatives to mitigate impact resulting from conflict.
5) Investigate, analyze and recommend resolution to mitigate schedule impacts between adjacent construction contracts.
6) Monitor and document construction progress in a manner approved by the HCRMA
7) Identify, track and assist in resolution of construction issues/conflicts and prepare draft responses to Requests for Information (RFIs) as directed by the HCRMA.
8) Identify, track and assist in resolution of utility conflicts impacting roadway construction.
9) When requested by the HCRMA, maintain and update the Action Item Agenda for Partnering Meetings.
10) Prepare summary progress reports for each construction contract on a quarterly basis. The report will provide a progress curve that compares planned construction performance, expressed as percentage complete, with actual performance. It will also include a summary of amounts paid to date compared with contract value, a summary statement regarding accomplishments during the reporting period and a listing of major concerns and issues pertaining to construction performance. A summary performance curve will be developed and maintained that shows the overall status of the entire construction project for presentation on an as-needed basis.

C. Shop Drawing/Submittals Review: The PMC will coordinate the distribution of information for, and provide technical support services to the HCRMA for shop drawing reviews, redesigns and Requests for Information (RFIs). The technical support activities for this task will include the following:
   1) The PMC will act as the single point of contact for the coordination and distribution of shop drawings submitted by the contractor(s). A status report will be maintained for submittals routed through the PMC. There is a maximum of 14 calendar days from receipt of the shop drawings to review and distribute the shop drawings. The shop drawings, if applicable, which are to be submitted for review are listed in the Program Management Plan.
   2) Review shop drawings for elements designed by the HCRMA design contractors.
   3) Review other contractor submittals as directed by the HCRMA.
   4) Coordinate and track schedule of reviews provided by others.

The contractor/fabricator shall forward the shop/working drawings to the PMC electronically in a PDF format. Each shop/working drawing submission will be limited to 10 megabytes in size (Larger submittals will be broken into 10 megabyte units and forwarded as Part 1, Part 2, etc.). The electronic submission will be as shown in the Program Management Plan Section: "Example Submittal and Reply". The review Items and the Fabricator/Detailer shall be abbreviated as shown in the Program Management Plan Section: "Item Abbreviations" and Section: "Fabricator and Detailer Abbreviations" respectively. For those elements designed by the PMC, it shall be their responsibility to review and annotate, if necessary, each page of the submittal. Upon completion of their review, the PMC will electronically stamp (all pages), flatten and secure the document prior to the electronic distribution of the drawings (Adobe 9.0 Pro will be required to electronically review the submitted drawings). For those shop/working drawings designed by others, the PMC upon their receipt of the package will route it electronically in PDF format to the appropriate parties.

D. Surveys for Construction Contracts-These Survey task during construction-phase are not included in this work order and if required will be paid for in future Work Authorization.
   1) Provide survey crews for "as requested" services to support the HCRMA in verification of field surveys and perform quality control in regards to surveying issues.
   2) After construction is complete, the PMC's surveyor will establish, set and/ or replace 5/8 inch rods with cap using TxDOT Type II markers for the right of way and control points at approximately 1000 feet intervals. These points will be set under the supervision of a Texas Registered Land Surveyor.
   3) On-call Subsurface Utility Engineering (SUE) services to provide field investigations of previously unknown utility conflicts or to verify critical utility locations in close proximity to proposed construction activities.

E. Review and Log Contractor RFI(s) and Submittals
   1) Identify, track and assist in resolution of construction issues/conflicts and prepare draft responses to Requests for Information (RFIs) as directed by the HCRMA.
   2) Identify, track and assist in resolution of utility conflicts impacting roadway construction.
   3) When requested by the HCRMA, maintain and update the Action Item Agenda for Partnering Meetings.

F. Maintenance of Traffic Reviews
   1) Review and comment on contractor's submittals related to Maintenance of Traffic submittals.

2) Review field implementation of Maintenance of Traffic for compliance with Plan Documents and Specifications.
3) Coordinate maintenance of traffic and major traffic shifts between adjacent contractors.
4) Advise Emergency Services, Schools, Communities, and other stakeholders of major traffic changes in accordance with the Public Involvement and Communications Plan.
5) Review and coordinate with local entities signal timing at all intersections. Facilitate signal timing adjustments within and adjacent to the construction vicinity to optimize flow of traffic during construction.

G. Design verification, change order support tasks: The PMC will coordinate the distribution of information for, and provide technical support services for the HCRMA for review of design changes and change orders as a result of unexpected field conditions and/or contractor/HCRMA requests. The technical support activities for this task will include the following:
1) The PMC will act as the single point-of-contact for the coordination and distribution of design changes to the corridor.
2) As requested by the HCRMA, provide design and CADD support services and field measurement services to the HCRMA. If required payment for these services will be considered additional services requiring a supplement to Work Order No. 9.
3) Coordinate and track design changes necessitated by associated field changes/conditions by construction contract.
4) Provide interface management to make sure that all changes are coordinated with adjoining and follow-on contracts.
5) Change Order Reviews and recommendations including:
   a) Review contractor submittals and proposed change orders as directed by the HCRMA.
   b) Provide recommendations to the HCRMA regarding requested change orders submitted by contractors.
   c) Provide interface management to make sure that all changes are coordinated with adjoining and follow-on contracts.
   d) Provide recommendations on proposed costs and support the HCRMA in negotiations with Contractor(s).
   e) Assemble all paperwork and supporting documentation for processing of Change Orders.
   f) Assist with updates of final plans for “as-built” records.

H. Construction monitoring support
1) The PMC will provide, as requested by the HCRMA, construction support personnel to support the HCRMA’s Construction Engineer including field inspection personnel. If required payment for these services will be considered additional services requiring a supplement to Work Order No. 9.
2) The PMC shall provide, on as requested by the HCRMA basis, construction support personnel to support the HCRMA’s Construction Engineer with storm water pollution prevention inspection (SWP3) and associated record keeping. Inspection records shall be provided to the HCRMA the same day as the inspection and shall be performed as outlined in the SWP3 documents.

3) The PMC shall identify, track and assist in resolution of construction issues/conflicts, act as liaison between the HCRMA and the Designers concerning construction issues/conflicts and plan revisions and maintain and update the Action Item Agenda for Partnering Meetings as directed by the HCRMA.
4) The PMC will provide support personnel to assist the HCRMA with field measuring, preparation of drawings, calculating quantities/estimates for resolving minor problems and/or information gathering as requested.
5) Review Quality Assurance testing and reporting as directed by the HCRMA.

I. Deliverables

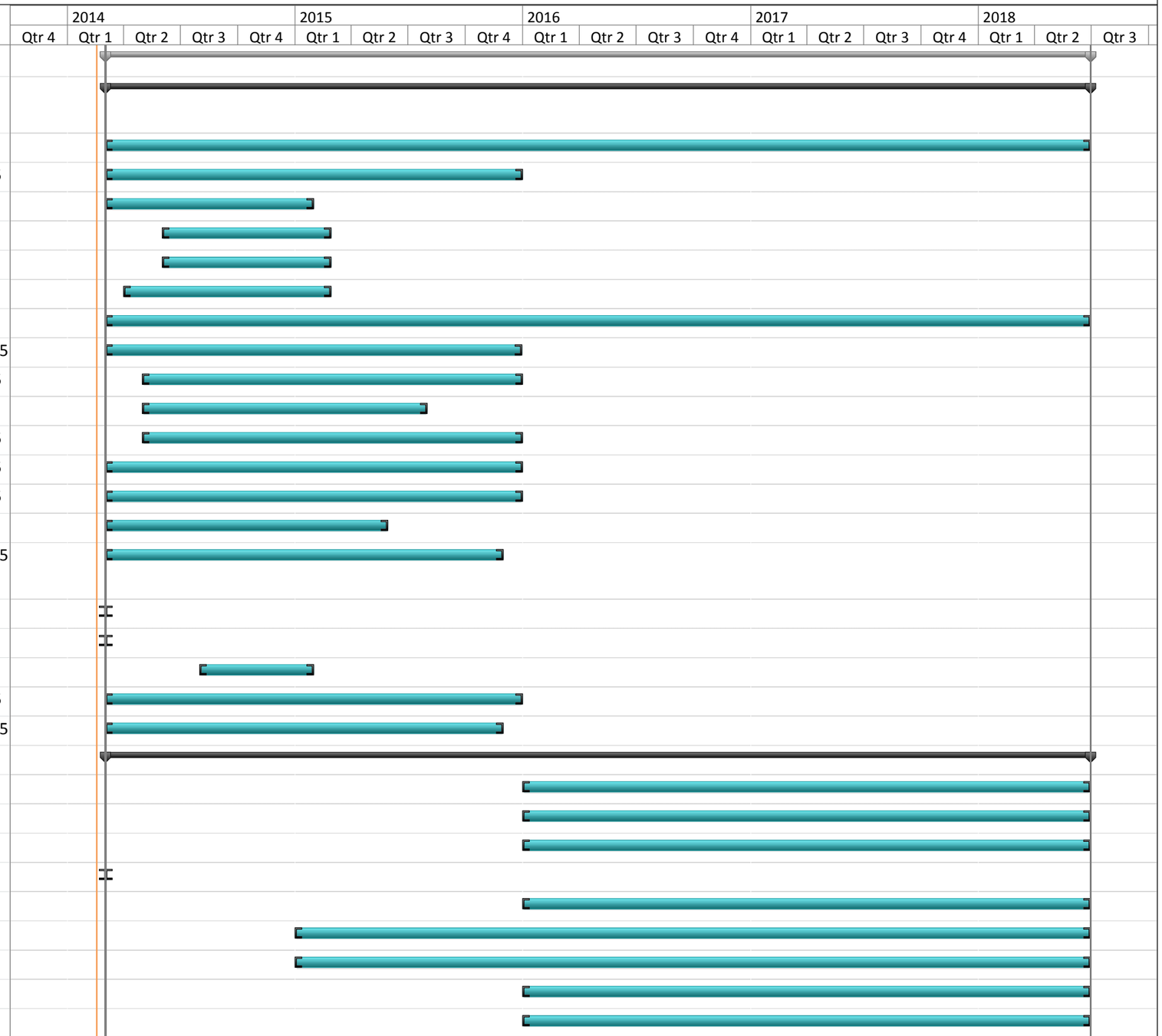
1) Monthly summary report of construction contract progress and status.
2) Construction schedule update showing overall progress of active construction contracts.
3) Log of Construction submittals and status by Construction CSJ and contract.
4) Log of RFIs submitted and status/resolution by Construction CSJ and contract.
5) Survey field data reports and SUE reports of any field investigations performed.
6) Construction Diaries and Reports for assigned construction inspection assignments.
7) SWP3 inspection reports delivered to HCRMA the same day as the inspection.
8) Attend SWP3 meetings with the HCRMA, as directed.
9) Log of change orders and documentation on submittal reviews for reason of change.
10) Report of Maintenance of Traffic Reviews and field checks.
11) Log of construction and record drawings.

SH 365 Project Development Schedule
from FM 1016/Conway Ave to US 281/Military Hwy
(including Improvements from Spur 600/Cage Blvd to FM 2557/Stewart Rd)

ID	Task Name	Start	Finish
0	**PMC WA No. 9**	**Mon 3/3/14**	**Fri 6/29/18**
1	**I. SH 365 (Segs 1- 4) Program Management (incld. Design Management)**	**Mon 3/3/14**	**Fri 6/29/18**
2	PMC: Program Manager (15%)	Mon 3/3/14	Fri 6/29/18
3	PMC: Deputy Project Manager (Varies)	Mon 3/3/14	Thu 12/31/15
4	PMC: QA/QC Officer (5%)	Tue 4/1/14	Fri 1/30/15
5	PMC: Senior Engineer (V) - Civil (Review)	Tue 4/1/14	Fri 2/27/15
6	PMC: Senior Engineer (V) - Bridge (Review)	Tue 4/1/14	Fri 2/27/15
7	PMC: Senior Engineer (V) - Hydro (Review)	Tue 4/1/14	Fri 2/27/15
8	PMC: Project Engineer IV - Project Coordination (50%)	Mon 3/3/14	Fri 6/29/18
9	PMC: Senior Designer (Varies)	Mon 3/3/14	Thu 12/31/15
10	PMC: Civil Engineer III - Scheduler/Proj. Ctrls. (50%)	Mon 3/3/14	Thu 12/31/15
11	PMC: Civil Engineer III - Utility Engineer (50%)	Mon 3/3/14	Fri 7/31/15
12	PMC: Engineer I (50%)	Thu 5/1/14	Thu 12/31/15
13	PMC: Administrative Assistant / Doc. Control (50%)	Mon 3/3/14	Thu 12/31/15
14	PMC: Administrative Assistant (Varies)	Mon 3/3/14	Thu 12/31/15
15	Sub: Blanton - (Env. Coordinator)	Mon 3/3/14	Fri 10/31/14
16	Sub: Aranda - (Survey/ROW Acq. Coord. & ROE/Landowner/Ut	Mon 3/3/14	Mon 11/30/15
17	Sub: C&M - (Investment T&R) (Future WA)	Mon 3/3/14	Mon 3/3/14
18	Sub: HDR (Not Utilized)	Mon 3/3/14	Mon 3/3/14
19	Sub: Unintech - (Floodway Br SH 365)	Fri 8/1/14	Sat 1/31/15
20	Sub: Pathfinder (Government Liaison)	Mon 3/3/14	Thu 12/31/15
21	Sub: George Ramon (OW Corridor/Toll Coord/Utility Coord.)	Mon 3/3/14	Mon 11/30/15
22	**II. SH 365 (Segs 1- 4) Construction Management**	**Mon 3/3/14**	**Fri 6/29/18**
23	PMC: Senior Construction Manager (50%)	Fri 1/1/16	Fri 6/29/18
24	PMC: Construction Engineer (Civil) (50%)	Fri 1/1/16	Fri 6/29/18
25	PMC: Const. Field Engineer - Scheduler/Proj. Ctrls. (50%)	Fri 1/1/16	Fri 6/29/18
26	PMC: Const. Field Engineer - Asst. Constr. Eng. (0%)	Mon 3/3/14	Mon 3/3/14
27	PMC: Administrative Assistant / Doc. Control (50%)	Fri 1/1/16	Fri 6/29/18
28	HCRMA: Construction Engineer (50%)	Mon 12/1/14	Fri 6/29/18
29	HCRMA: Administrative Assistant (50%)	Mon 12/1/14	Fri 6/29/18
30	HCRMA: Inspection Team #1 SH 365 Seg 3 (2 Inspectors) (100%	Mon 12/1/14	Thu 6/30/16
31	HCRMA: Inspection Team #2 SH 365 Segs 1-4 (4 Inspectors) (100%)	Fri 1/1/16	Fri 6/29/18
32	HCRMA: Inspection Team #1 Vehicle Allowance ($1,200/mo)	Mon 12/1/14	Fri 6/29/18
33	HCRMA: Inspection Team #2 Vehicle Allowance ($1,200/mo)	Fri 1/1/16	Fri 6/29/18

IBTC Project Development Schedule
from SH 365 Interchange to I-2 & Valley View Interchange to FM 493 (Segments 1 - 3)

ID	Task Name	Start	Finish
0	**PMC WA No. 9**	**Mon 3/3/14**	**Fri 6/29/18**
1	**I. IBTC (Segs. 1 - 3) Program Management (incld. Design Management)**	**Mon 3/3/14**	**Fri 6/29/18**
2	PMC: Program Manager (15%)	Mon 3/3/14	Fri 6/29/18
3	PMC: Deputy Project Manager (32.5%)	Mon 3/3/14	Thu 12/31/15
4	PMC: QA/QC Officer (5%)	Mon 3/3/14	Fri 1/30/15
5	PMC: Senior Engineer (V) - Civil (Review)	Mon 6/2/14	Fri 2/27/15
6	PMC: Senior Engineer (V) - Bridge (Review)	Mon 6/2/14	Fri 2/27/15
7	PMC: Senior Engineer (V) - Hydro (Review)	Tue 4/1/14	Fri 2/27/15
8	PMC: Project Engineer IV - Project Coordination (50%)	Mon 3/3/14	Fri 6/29/18
9	PMC: Senior Designer (Varies)	Mon 3/3/14	Wed 12/30/15
10	PMC: Civil Engineer III - Scheduler/Proj. Ctrls. (50%)	Thu 5/1/14	Thu 12/31/15
11	PMC: Civil Engineer III - Utility Engineer (50%)	Thu 5/1/14	Fri 7/31/15
12	PMC: Engineer I (50%)	Thu 5/1/14	Thu 12/31/15
13	PMC: Administrative Assistant / Doc. Control (50%)	Mon 3/3/14	Thu 12/31/15
14	PMC: Administrative Assistant (Varies)	Mon 3/3/14	Thu 12/31/15
15	Sub: Blanton - (Env. Coordinator)	Mon 3/3/14	Fri 5/29/15
16	Sub: Aranda - (Survey/ROW Acq. Coord. & ROE/Landowner/Utility Coord.)	Mon 3/3/14	Mon 11/30/15
17	Sub: C&M - (Investment T&R) (Future WA)	Mon 3/3/14	Mon 3/3/14
18	Sub: HDR (Not Utilized)	Mon 3/3/14	Mon 3/3/14
19	Sub: Unintech - (Floodway Br SH 365)	Fri 8/1/14	Fri 1/30/15
20	Sub: Pathfinder (Government Liaison)	Mon 3/3/14	Thu 12/31/15
21	Sub: George Ramon (OW Corridor/Toll Coord/Utility Coord.)	Mon 3/3/14	Mon 11/30/15
22	**II. IBTC (Segs. 1 - 3) Construction Management**	**Mon 3/3/14**	**Fri 6/29/18**
23	PMC: Senior Construction Manager (50%)	Fri 1/1/16	Fri 6/29/18
24	PMC: Construction Engineer (Civil) (50%)	Fri 1/1/16	Fri 6/29/18
25	PMC: Const. Field Engineer - Scheduler/Proj. Ctrls. (50%)	Fri 1/1/16	Fri 6/29/18
26	PMC: Const. Field Engineer - Asst. Constr. Eng. (0%)	Mon 3/3/14	Mon 3/3/14
27	PMC: Administrative Assistant / Doc. Control (50%)	Fri 1/1/16	Fri 6/29/18
28	HCRMA: Construction Engineer (50%)	Thu 1/1/15	Fri 6/29/18
29	HCRMA: Administrative Assistant (50%)	Thu 1/1/15	Fri 6/29/18
30	HCRMA: Inspection Team #3 IBTC Segs 1-3 (4 Inspectors) (100	Fri 1/1/16	Fri 6/29/18
31	HCRMA: Inspection Team #3 Vehicle Allowance ($1,200/mo)	Fri 1/1/16	Fri 6/29/18



2014
ALL PROJECTS UNDER PROGRAM
(1/1/14 TO 12/31/14)

HCRMA BOARD

CFO – JERRY DALE, CPA/CGFO

EXECUTIVE DIRECTOR – PILAR RODRIGUEZ, PE

ADMINISTRATOR – FLOR KOLL

LEGEND
HCRMA STAFF
DANNENBAUM PMC
DANNENBAUM PMC SUBCONSULTANT SUPPORT

QA/QC – RICHARD SEITZ, PE (10%)

PMC – PM – LOUIS JONES, JR, PE (30%)

PROJECT OPERATIONS/PROJECT CONTROLS – ERIC DAVILA, PE, CFM (100%)

DOCUMENT CONTROL – ANALY DIAZ (100%)

ADMINISTRATOR – CYNTHIA LUERA (46%)

PMC – DPM – GUSTAVO LOPEZ, PE (80%)

REVIEW ENGINEERS

SENIOR ENGINEER CIVIL (22%)

SENIOR ENGINEER BRIDGE (22%)

SENIOR ENGINEER HYDROLOGY (22%)

PROJECT INTERNAL SUPPORT

SCHEDULER & CIVIL ENGINEERING III COMBINED (100%)

CIVIL ENGINEER III UTILITIES (100%)

SENIOR DESIGNER (100%)

CIVIL ENGINEER SUPPORT (100%)

PROJECT EXTERNAL SUPPORT

ENVIRONMENTAL BLANTON & ASSOCIATES

R.O.W. / SURVEY / ROE/LAND OWNERS/UTILITY ARANDA & ASSOCIATES

OW/UTILITY/TOLL G. RAMON (100%)

POLITICAL LIAISON PATHFINDER

T&R SUPPORT C&M ASSOCIATES

FLOODWAY BRIDGE – SH 365 UNINTECH

ADDITIONAL SUPPORT – HDR IBTC – VE LEAD

FIRMS UNDER PMC MANAGEMENT		
SH 365	IBTC	SYSTEM WIDE
1) S&B (ENGINEER)	1) S&B (ENGINEER)	1) ATKINS (ENVIRONMENTAL)
2) L&G (ENGINEER)	2) HALFF (ENGINEER)	2) C&M (T&R)
3) TEDSI (ENGINEER)	3) TEDSI (ENGINEER)	3) FSH (FINANCIAL R.O.W. ADVISOR)
4) DLS (SURVEY)	4) L&G LABS (GEOTECH)	4) ARWS/HALFF (R.W.O. AGENTS)
5) QUINTANILLA HEADLEY & ASSOC. (SURVEY)	5) RABA KISTNER (GEOTECH)	5) TITLE CO. NO. 1
6) HCDD NO. 1 (OUTFALLS)	6) SURVEY NO. 1	6) APPRAISER NO. 1
7) CONSTRUCTION CO. FOR US281 OVERPASS	7) SURVEY NO. 2	7) APPRAISER NO. 2
	8) SURVEY NO. 3	8) HC PRECINCT NO. 1 (R.O.W.)
	9) SURVEY NO. 4	9) HC PRECINCT NO. 2 (R.O.W)
	10) SURVEY NO. 5	10) HC PRECINCT NO. 3 (R.O.W.)
	11) HCDD NO. 1 (OUTFALLS)	11) HC PRECINCT NO. 4 (R.O.W.)

2014	PROGRAM MANAGEMENT	CONSTRUCTION MANAGEMENT	TOTAL
PMC (DEC)	$ 2,130,891	$ -	$ 2,130,891
PMC (SUB SUPPORT)	$ 865,080	$ -	$ 865,080
HCRMA STAFF	$ -	$ 31,210	$ 31,210
TOTAL	$ 2,995,971	$ 31,210	$ 3,027,181

2015
ALL PROJECTS UNDER PROGRAM
(1/1/15 TO 12/31/15)

HCRMA BOARD

CFO – JERRY DALE, CPA/CGFO

EXECUTIVE DIRECTOR – PILAR RODRIGUEZ, PE

ADMINISTRATOR – FLOR KOLL

LEGEND
HCRMA STAFF
DANNENBAUM PMC
DANNENBAUM PMC SUBCONSULTANT SUPPORT

QA/QC – RICHARD SEITZ, PE (10%)

PMC – PM – LOUIS JONES, JR, PE (30%)

PROJECT OPERATIONS/PROJECT CONTROLS – ERIC DAVILA, PE, CFM (100%)

DOCUMENT CONTROL – ANALY DIAZ (100%)

ADMINISTRATOR – CYNTHIA LUERA (46%)

PMC – DPM – GUSTAVO LOPEZ, PE (65%)

HCRMA STAFF

HCRMA CONSTRUCTION SUPPORT

INSPECTOR NO. 1 (100%)

INSPECTOR NO. 2 (100%)

REVIEW ENGINEERS END: 3/1/15

SENIOR ENGINEER CIVIL (22%)

SENIOR ENGINEER BRIDGE (22%)

SENIOR ENGINEER HYDROLOGY (22%)

PROJECT INTERNAL SUPPORT

SCHEDULER & CIVIL ENGINEERING III COMBINED (100%)

CIVIL ENGINEER III UTILITIES (100%)

SENIOR DESIGNER (100%)

CIVIL ENGINEER SUPPORT (100%)

PROJECT EXTERNAL SUPPORT

R.O.W. / SURVEY / ROE/LAND OWNERS/UTILITY ARANDA & ASSOCIATES

OW/UTILITY/TOLL G. RAMON (100%)

POLITICAL LIAISON PATHFINDER

T&R SUPPORT C&M ASSOCIATES

FIRMS UNDER PMC MANAGEMENT		
SH 365	**IBTC**	**SYSTEM WIDE**
1) S&B (ENGINEER)	1) S&B (ENGINEER)	1) ATKINS (ENVIRONMENTAL)
2) L&G (ENGINEER)	2) HALFF (ENGINEER)	2) C&M (T&R)
3) TEDSI (ENGINEER)	3) TEDSI (ENGINEER)	3) FSH (FINANCIAL R.O.W. ADVISOR)
4) DLS (SURVEY)	4) L&G LABS (GEOTECH)	4) ARWS/HALFF (R.W.O. AGENTS)
5) QUINTANILLA HEADLEY & ASSOC. (SURVEY)	5) RABA KISTNER (GEOTECH)	5) TITLE CO. NO. 1
6) HCDD NO. 1 (OUTFALLS)	6) SURVEY NO. 1	6) APPRAISER NO. 1
7) CONSTRUCTION CO. FOR US281 OVERPASS	7) SURVEY NO. 2	7) APPRAISER NO. 2
	8) SURVEY NO. 3	8) HC PRECINCT NO. 1 (R.O.W.)
	9) SURVEY NO. 4	9) HC PRECINCT NO. 2 (R.O.W)
	10) SURVEY NO. 5	10) HC PRECINCT NO. 3 (R.O.W.)
	11) HCDD NO. 1 (OUTFALLS)	11) HC PRECINCT NO. 4 (R.O.W.)

2015	PROGRAM MANAGEMENT	CONSTRUCTION MANAGEMENT	TOTAL
PMC (DEC)	$ 2,008,132	$ -	$ 2,008,132
PMC (SUB SUPPORT)	$ 460,800	$ -	$ 460,800
HCRMA STAFF	$ -	$ 374,520	$ 374,520
TOTAL	$ 2,468,932	$ 374,520	$ 2,843,452

2016
ALL PROJECTS UNDER PROGRAM
(1/1/16 TO 12/31/16)

HCRMA BOARD

CFO – JERRY DALE, CPA/CGFO

EXECUTIVE DIRECTOR – PILAR RODRIGUEZ, PE

ADMINISTRATOR – FLOR KOLL

LEGEND
HCRMA STAFF
DANNENBAUM PMC
DANNENBAUM PMC SUBCONSULTANT SUPPORT

PMC – PM – LOUIS JONES, JR, PE (30%)

PROJECT OPERATIONS/PROJECT CONTROLS – ERIC DAVILA, PE, CFM (100%)

DOCUMENT CONTROL – ANALY DIAZ (100%)

DOCUMENT CONTROL – HCRMA (100%)

CONSTRUCTION ENGINEER SCHEDULER – PMC (100%)

SENIOR CONSTRUCTION MANAGER (100%)

CONSTRUCTION ENGINEER (100%)

- INSPECTOR NO. 1 (100%)
- INSPECTOR NO. 2 (100%)
- INSPECTOR NO. 3 (100%)
- INSPECTOR NO. 4 (100%)
- INSPECTOR NO. 5 (100%)

CONSTRUCTION ENGINEER (100%)

- INSPECTOR NO. 6 (100%)
- INSPECTOR NO. 7 (100%)
- INSPECTOR NO. 8 (100%)
- INSPECTOR NO. 9 (50%)
- INSPECTOR NO. 10 (50%)

PMC / CMI SH 365 SEGS. 1, 2 & 4	PCM / CMI SH 365 SEG. 3 (US 281)	PMC / CMI IBTC SEGS. 1-3
1) ONE GENERAL CONTRACTOR ($168M @ LETTING)	1) ONE GENERAL CONTRACTOR ($17.4M @ LETTING)	1) ONE GENERAL CONTRACTOR ($108M @ LETTING)
2) ONE MATERIAL TESTING COMPANY	2) ONE MATERIAL TESTING COMPANY	2) ONE MATERIAL TESTING COMPANY

2016	PROGRAM MANAGEMENT	CONSTRUCTION MANAGEMENT	TOTAL
PMC (DEC)	$ 722,148	$ 1,228,204	$ 1,950,352
PMC (SUB SUPPORT)	$ -	$ -	$ -
HCRMA STAFF	$ -	$ 984,360	$ 984,360
TOTAL	$ 722,148	$ 2,212,564	$ 2,934,712

2017
ALL PROJECTS UNDER PROGRAM
(1/1/17 TO 12/31/17)

HCRMA BOARD

CFO – JERRY DALE, CPA/CGFO

EXECUTIVE DIRECTOR – PILAR RODRIGUEZ, PE

ADMINISTRATOR – FLOR KOLL

LEGEND
HCRMA STAFF
DANNENBAUM PMC
DANNENBAUM PMC SUBCONSULTANT SUPPORT

PMC – PM – LOUIS JONES, JR,PE (30%)

PROJECT OPERATIONS/PROJECT CONTROLS – ERIC DAVILA, PE, CFM (100%)

DOCUMENT CONTROL – ANALY DIAZ (100%)

DOCUMENT CONTROL – HCRMA (100%)

SENIOR CONSTRUCTION MANAGER (100%)

CONSTRUCTION ENGINEER SCHEDULER – PMC (100%)

CONSTRUCTION ENGINEER (100%)

- INSPECTOR NO. 1 (100%)
- INSPECTOR NO. 2 (100%)
- INSPECTOR NO. 3 (100%)
- INSPECTOR NO. 4 (100%)

CONSTRUCTION ENGINEER (100%)

- INSPECTOR NO. 5 (100%)
- INSPECTOR NO. 6 (100%)
- INSPECTOR NO. 7 (100%)
- INSPECTOR NO. 8 (100%)

PMC / CMI SH 365 SEGS. 1, 2 & 4	PCM / CMI SH 365 SEG. 3 (US 281)	PMC / CMI IBTC SEGS. 1-3
1) ONE GENERAL CONTRACTOR ($168M @ LETTING)	1) ONE GENERAL CONTRACTOR ($17.4M @ LETTING)	1) ONE GENERAL CONTRACTOR ($108M @ LETTING)
2) ONE MATERIAL TESTING COMPANY	2) ONE MATERIAL TESTING COMPANY	2) ONE MATERIAL TESTING COMPANY

2017	PROGRAM MANAGEMENT	CONSTRUCTION MANAGEMENT	TOTAL
PMC (DEC)	$ 722,148	$ 1,228,204	$ 1,950,352
PMC (SUB SUPPORT)	$ -	$ -	$ -
HCRMA STAFF	$ -	$ 897,720	$ 897,720
TOTAL	$ 722,148	$ 2,125,924	$ 2,848,072

2018
ALL PROJECTS UNDER PROGRAM
(1/1/18 TO 12/31/18)

HCRMA BOARD

CFO – JERRY DALE, CPA/CGFO

EXECUTIVE DIRECTOR – PILAR RODRIGUEZ, PE

ADMINISTRATOR – FLOR KOLL

LEGEND
HCRMA STAFF
DANNENBAUM PMC
DANNENBAUM PMC SUBCONSULTANT SUPPORT

PMC – PM – LOUIS JONES, JR, PE (30%)

PROJECT OPERATIONS/PROJECT CONTROLS – ERIC DAVILA, PE, CFM (100%)

DOCUMENT CONTROL – ANALY DIAZ (100%)

DOCUMENT CONTROL – HCRMA (100%)

CONSTRUCTION ENGINEER SCHEDULER – PMC (100%)

SENIOR CONSTRUCTION MANAGER (100%)

CONSTRUCTION ENGINEER (100%)

INSPECTOR NO. 1 (100%)

INSPECTOR NO. 2 (100%)

INSPECTOR NO. 3 (100%)

INSPECTOR NO. 4 (100%)

CONSTRUCTION ENGINEER (100%)

INSPECTOR NO. 5 (100%)

INSPECTOR NO. 6 (100%)

INSPECTOR NO. 7 (100%)

INSPECTOR NO. 8 (100%)

PMC / CMI SH 365 SEGS. 1, 2 & 4	PCM / CMI SH 365 SEG. 3 (US 281)	PMC / CMI IBTC SEGS. 1-3
1) ONE GENERAL CONTRACTOR ($168M @ LETTING)	1) ONE GENERAL CONTRACTOR ($17.4M @ LETTING)	1) ONE GENERAL CONTRACTOR ($108M @ LETTING)
2) ONE MATERIAL TESTING COMPANY	2) ONE MATERIAL TESTING COMPANY	2) ONE MATERIAL TESTING COMPANY

2018	PROGRAM MANAGEMENT	CONSTRUCTION MANAGEMENT	TOTAL
PMC (DEC)	$ 361,074	$ 614,102	$ 975,176
PMC (SUB SUPPORT)	$ -	$ -	$ -
HCRMA STAFF	$ -	$ 448,860	$ 448,860
TOTAL	$ 361,074	$ 1,062,962	$ 1,424,036

EXHIBIT D - FEE SCHEDULE / BUDGET
Work Authorization No. 9

Program Management Consultant services for:
Systemwide Management tasks for: cost and scheduling controls, toll integration, and coordination with HCRMA Staff / Stakeholders
Project Management tasks for: State Highway 365 (SH 365) and International Bridge Trade Corridor (IBTC) including ROW acquisition and utility relocations
Construction Management tasks for: State Highway 365 (SH 365) and International Bridge Trade Corridor (IBTC)

Prime: Dannenbaum Engineering Corporation ***Work Authorization No. 9***
Program Management Services for the HCRMA Roadway System ***Schedule Duration: 03/01/2014 to 06/30/2018***

PROGRAM MANAGEMENT SERVICES DESCRIPTION	Principal/ Program Manager	QA/QC Officer/ Independent Engineer Officer	Deputy Program Manager (Engineer VI)	Senior Engineer (Engineer V)	Project Engineer (Engineer IV)	Civil Engineer (Engineer III)	Senior Designer	Eng. Tech/CADD	Administrative Assistant	Total Labor Hrs.	Remarks	Task Cost
PROGRAM MANAGEMENT CONSULTANT SERVICES FOR: ***- SYSTEMWIDE MANAGEMENT TASKS FOR: COST AND SCHEDULING CONTROLS, TOLL INTEGRATION, AND COORDINATION WITH HCRMA STAFF / STAKEHOLDERS (52 MONTHS)*** ***- PROJECT MANAGEMENT TASKS FOR: STATE HIGHWAY 365 (SH 365) AND INTERNATIONAL BRIDGE TRADE CORRIDOR (IBTC) INCLUDING ROW ACQUISITION AND UTILITY RELOCATIONS (24 MONTHS)*** ***- CONSTRUCTION MANAGEMENT TASKS FOR: STATE HIGHWAY 365 (SH 365) (42 MONTHS) AND INTERNATIONAL BRIDGE TRADE CORRIDOR (IBTC) (30 MONTHS)***											**Prime: Dannenbaum Engineering Corporation** **2014-2018**	
I. Program Management (incld. Design Management)												
PMC: Program Manager (30%)	2704									2704		$ 850,651.36
PMC: Deputy Project Manager (Varies)			2728							2728		$ 621,165.60
PMC: QA/QC Officer (10%)		198								198		$ 57,913.02
PMC: Senior Engineer (V) - Civil (Review)				860						860		$ 151,437.40
PMC: Senior Engineer (V) - Bridge (Review)				860						860		$ 151,437.40
PMC: Senior Engineer (V) - Hydro (Review)				314						314		$ 55,292.26
PMC: Project Engineer IV - Project Coordination (100%)					8944					8944		$ 1,411,989.28
PMC: Senior Designer (Varies)							2924			2924		$ 284,066.60
PMC: Civil Engineer III - Scheduler/Proj. Ctrls. (100%)						3784				3784		$ 494,001.20
PMC: Civil Engineer III - Utility Engineer (100%)						2752				2752		$ 359,273.60
PMC: Engineer I (100%)							3440			3440		$ 334,196.00
PMC: Administrative Assistant / Doc. Control (100%)									3784	3784		$ 229,764.48
PMC: Administrative Assistant (Varies)									1260	1260		$ 76,507.20
Subtotal	**2704**	**198**	**2728**	**2034**	**8944**	**6536**	**6364**	**0**	**5044**	**34552**		**$ 5,077,695.40**
II. Construction Management												
PMC: Senior Construction Manager (100%)			5160							5160		$ 1,174,932.00
PMC: Construction Engineer (Civil) (100%)				5160						5160		$ 908,624.40
PMC: Const. Field Engineer - Scheduler/Proj. Ctrls. (100%)						5160				5160		$ 673,638.00
PMC: Const. Field Engineer - Asst. Constr. Eng. (0%)										0		$ -
PMC: Administrative Assistant / Doc. Control (100%)									5160	5160		$ 313,315.20
Subtotal	**0**	**0**	**5160**	**5160**	**0**	**5160**	**0**	**0**	**5160**	**20640**		**$ 3,070,509.60**
LABOR MANHOURS TOTAL	**2704**	**198**	**7888**	**7194**	**8944**	**11696**	**6364**	**0**	**10204**	**55,192**	**CHECK (MHRs):**	
LABOR RATE PER HOUR	$ 314.59	$ 292.49	$ 227.70	$ 176.09	$ 157.87	$ 130.55	$ 97.15	$ 66.79	$ 60.72		**55,192**	
TOTAL DIRECT LABOR COSTS	$ 850,651.36	$ 57,913.02	$ 1,796,097.60	$ 1,266,791.46	$ 1,411,989.28	$ 1,526,912.80	$ 618,262.60	$ -	$ 619,586.88	$ 8,148,205.00		
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON FEE)	**10.4%**	**0.7%**	**22.0%**	**15.5%**	**17.3%**	**18.7%**	**7.6%**	**0.0%**	**7.6%**	**100.00%**	**CHECK (LABOR):**	
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON MANHOURS)	**4.9%**	**0.4%**	**14.3%**	**13.0%**	**16.2%**	**21.2%**	**11.5%**	**0.0%**	**18.5%**	**100.00%**	**$ 8,148,205.00**	
PERCENT LABOR UTILIZATION PER MONTH @ 170 MHR/MO (LABOR HOURS / 52 MO / 170 MHR/MO)	**30.6%**	**2.2%**	**89.2%**	**81.4%**	**101.2%**	**132.3%**	**72.0%**	**0.0%**	**115.4%**			
TOTAL DIRECT LABOR COST												**$ 8,148,205.00**

EXHIBIT D - FEE SCHEDULE / BUDGET
Work Authorization No. 9

Program Management Consultant services for:
Systemwide Management tasks for: cost and scheduling controls, toll integration, and coordination with HCRMA Staff / Stakeholders
Project Management tasks for: State Highway 365 (SH 365) and International Bridge Trade Corridor (IBTC) including ROW acquisition and utility relocations
Construction Management tasks for: State Highway 365 (SH 365) and International Bridge Trade Corridor (IBTC)

Prime: Dannenbaum Engineering Corporation ***Work Authorization No. 9***
Program Management Services for the HCRMA Roadway System ***Schedule Duration: 03/01/2014 to 06/30/2018***

PROGRAM MANAGEMENT SERVICES DESCRIPTION	Principal/ Program Manager	QA/QC Officer/ Independent Engineer Officer	Deputy Program Manager (Engineer VI)	Senior Engineer (Engineer V)	Project Engineer (Engineer IV)	Civil Engineer (Engineer III)	Senior Designer	Eng. Tech/CADD	Administrative Assistant	Total Labor Hrs.	Remarks	Task Cost
DIRECT EXPENSES	**Rate**	**Unit**	**Amount**	**Total**								
Lodging / Hotel ($100.00 / DAY)	$ 100.00	Each	312	$ 31,200.00							**$ 31,200.00**	
Meals ($30.00 / DAY)	$ 30.00	Each	312	$ 9,360.00							**$ 9,360.00**	
Rental Car	$ 90.00	Each	208	$ 18,720.00							**$ 18,720.00**	
Air Travel	$ 500.00	Each	52	$ 26,000.00							**$ 26,000.00**	
Parking	$ 14.00	Each	340	$ 4,760.00							**$ 4,760.00**	
Overnight Mail - letter size	$ 50.00	Each	1,770	$ 88,500.00							**$ 88,500.00**	
Courier Services	$ 50.00	Each	1,770	$ 88,500.00							**$ 88,500.00**	
Photocopies B/W (8.5 X 11)	$ 0.10	Each	100,480	$ 10,048.00							**$ 10,048.00**	
Photocopies B/W (11 X 17)	$ 0.20	Each	62,500	$ 12,500.00							**$ 12,500.00**	
Photocopies Color (8.5 X 11)	$ 0.70	Each	76,448	$ 53,513.60							**$ 53,513.60**	
Photocopies Color (11 X 17)	$ 1.25	Each	62,500	$ 78,125.00							**$ 78,125.00**	
Color Graphics on Foam Board	$ 5.00	Each	1,752	$ 8,760.00							**$ 8,760.00**	
Newspaper Advertisement	$ 3,000.00	Each	0	$ -							**$ -**	
Court Reporter (Public Hearings & Transcription)	$ 100.00	Each	0	$ -							**$ -**	
Translator (English to Spanish or Sign Language)	$ 150.00	Each	0	$ -							**$ -**	
Public Involvement Facilty Rental	$ 500.00	Each	0	$ -							**$ -**	
Public Outreach Laison	$ 10,000.00	Month	23	$ 230,000.00							**$ 230,000.00**	
Accounting Support Services	$ 100.00	Each	2,080	$ 208,000.00							**$ 208,000.00**	
IT / Support Services for: ProjectWise, ROW & Utility Tool Site Operation, Constr. Field Offices	$ 80.00	Each	2,860	$ 228,800.00							**$ 228,800.00**	
Community Action Support (ROE/Landowner Coord/Utility Coord.)	$ 80.00	Each	0	$ -							**$ -**	
Management Support Services (OW Corridor/Toll Coord/Utility Coord.)	$ 90.00	Each	3,639	$ 327,510.00							**$ 327,510.00**	
TOTAL DIRECT EXPENSES				$ 1,424,296.60							**$ 1,424,296.60**	**$ 1,424,296.60**
PROGRAM MANAGEMENT CONSULTANT (SUBCONSULTANTS)												
BLANTON & ASSOCIATES, INC. - FC 120 (DBE)	**ENVIRONMENTAL SERVICES OVERSIGHT ASSISTANCE (SH 365 & IBTC)**										**$ 238,400.00**	**2.31%**
ARANDA & ASSOCIATES, INC. - FC 130 (DBE)	**SURVEY/UTILITY OVERSIGHT ASSISTANCE (INCLUDING ROE/LANDOWNER COORDNATION & UTILITY COORDINATION ASSISTANCE) (SH 365 & IBTC)**										**$ 499,880.00**	**4.83%**
UNINTECH CONSULTING ENGINEERS (DBE)	**FLOODWAY BRIDGE REVIEW DURING PS&E (SH 365 & IBTC)**										**$ 30,000.00**	**0.29%**
SUBTOTAL - PROGRAM MANAGEMENT CONSULTANT (SUBCONSULTANTS)											**$ 768,280.00**	**$ 768,280.00**
GRAND TOTAL (2014-2018)												**$ 10,340,781.60**
										DBE UTILIZATION:	**$ 768,280.00**	**7.43%**

EXHIBIT D - FEE SCHEDULE / BUDGET
Work Authorization No. 9

Program Management Consultant services for:
Systemwide Management tasks for: cost and scheduling controls, toll integration, and coordination with HCRMA Staff / Stakeholders
Project Management tasks for: State Highway 365 (SH 365) and International Bridge Trade Corridor (IBTC) including ROW acquisition and utility relocations
Construction Management tasks for: State Highway 365 (SH 365) and International Bridge Trade Corridor (IBTC)

Prime: Dannenbaum Engineering Corporation ***Work Authorization No. 9***
Program Management Services for the HCRMA Roadway System ***Schedule Duration: 03/01/2014 to 12/31/2014***

PROGRAM MANAGEMENT SERVICES DESCRIPTION	Principal/ Program Manager	QA/QC Officer/ Independent Engineer Officer	Deputy Program Manager (Engineer VI)	Senior Engineer (Engineer V)	Project Engineer (Engineer IV)	Civil Engineer (Engineer III)	Senior Designer	Eng. Tech/CADD	Administrative Assistant	Total Labor Hrs.	Remarks	Task Cost
PROGRAM MANAGEMENT CONSULTANT SERVICES FOR: ***- SYSTEMWIDE MANAGEMENT TASKS FOR: COST AND SCHEDULING CONTROLS, TOLL INTEGRATION, AND COORDINATION WITH HCRMA STAFF / STAKEHOLDERS (52 MONTHS)*** ***- PROJECT MANAGEMENT TASKS FOR: STATE HIGHWAY 365 (SH 365) AND INTERNATIONAL BRIDGE TRADE CORRIDOR (IBTC) INCLUDING ROW ACQUISITION AND UTILITY RELOCATIONS (24 MONTHS)*** ***- CONSTRUCTION MANAGEMENT TASKS FOR: STATE HIGHWAY 365 (SH 365) (42 MONTHS) AND INTERNATIONAL BRIDGE TRADE CORRIDOR (IBTC) (30 MONTHS)***											**Prime: Dannenbaum Engineering Corporation** **2014**	
I. Program Management (incld. Design Management)												
PMC: Program Manager (30%)	520									520		$ 163,586.80
PMC: Deputy Project Manager (Varies)			1360							1360		$ 309,672.00
PMC: QA/QC Officer (10%)		180								180		$ 52,648.20
PMC: Senior Engineer (V) - Civil (Review)				680						680		$ 119,741.20
PMC: Senior Engineer (V) - Bridge (Review)				680						680		$ 119,741.20
PMC: Senior Engineer (V) - Hydro (Review)				266						266		$ 46,839.94
PMC: Project Engineer IV - Project Coordination (100%)					1720					1720		$ 271,536.40
PMC: Senior Designer (Varies)							1720			1720		$ 167,098.00
PMC: Civil Engineer III - Scheduler/Proj. Ctrls. (100%)						1720				1720		$ 224,546.00
PMC: Civil Engineer III - Utility Engineer (100%)						1548				1548		$ 202,091.40
PMC: Engineer I (100%)							1376			1376		$ 133,678.40
PMC: Administrative Assistant / Doc. Control (100%)									1720	1720		$ 104,438.40
PMC: Administrative Assistant (Varies)									800	800		$ 48,576.00
Subtotal	**520**	**180**	**1360**	**1626**	**1720**	**3268**	**3096**	**0**	**2520**	**14290**		**$ 1,964,193.94**
II. Construction Management												
PMC: Senior Construction Manager (100%)			0							0		$ -
PMC: Construction Engineer (Civil) (100%)				0						0		$ -
PMC: Const. Field Engineer - Scheduler/Proj. Ctrls. (100%)						0				0		$ -
PMC: Const. Field Engineer - Asst. Constr. Eng. (0%)						0				0		$ -
PMC: Administrative Assistant / Doc. Control (100%)									0	0		$ -
Subtotal	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**		**$ -**
LABOR MANHOURS TOTAL	**520**	**180**	**1360**	**1626**	**1720**	**3268**	**3096**	**0**	**2520**	**14,290**	**CHECK (MHRs):**	
LABOR RATE PER HOUR	$ 314.59	$ 292.49	$ 227.70	$ 176.09	$ 157.87	$ 130.55	$ 97.15	$ 66.79	$ 60.72		**14,290**	
TOTAL DIRECT LABOR COSTS	$ 163,586.80	$ 52,648.20	$ 309,672.00	$ 286,322.34	$ 271,536.40	$ 426,637.40	$ 300,776.40	$ -	$ 153,014.40	$ 1,964,193.94		
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON FEE)	**8.3%**	**2.7%**	**15.8%**	**14.6%**	**13.8%**	**21.7%**	**15.3%**	**0.0%**	**7.8%**	**100.00%**	**CHECK (LABOR):**	
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON MANHOURS)	**3.6%**	**1.3%**	**9.5%**	**11.4%**	**12.0%**	**22.9%**	**21.7%**	**0.0%**	**17.6%**	**100.00%**	**$ 1,964,193.94**	
PERCENT LABOR UTILIZATION PER MONTH @ 170 MHR/MO (LABOR HOURS / 12 MO / 170 MHR/MO)	**25.5%**	**8.8%**	**66.7%**	**79.7%**	**84.3%**	**160.2%**	**151.8%**	**0.0%**	**123.5%**			
TOTAL DIRECT LABOR COST												**$ 1,964,193.94**

EXHIBIT D - FEE SCHEDULE / BUDGET
Work Authorization No. 9

Program Management Consultant services for:
Systemwide Management tasks for: cost and scheduling controls, toll integration, and coordination with HCRMA Staff / Stakeholders
Project Management tasks for: State Highway 365 (SH 365) and International Bridge Trade Corridor (IBTC) including ROW acquisition and utility relocations
Construction Management tasks for: State Highway 365 (SH 365) and International Bridge Trade Corridor (IBTC)

Prime: Dannenbaum Engineering Corporation ***Work Authorization No. 9***
Program Management Services for the HCRMA Roadway System ***Schedule Duration: 03/01/2014 to 12/31/2014***

PROGRAM MANAGEMENT SERVICES DESCRIPTION	Principal/ Program Manager	QA/QC Officer/ Independent Engineer Officer	Deputy Program Manager (Engineer VI)	Senior Engineer (Engineer V)	Project Engineer (Engineer IV)	Civil Engineer (Engineer III)	Senior Designer	Eng. Tech/CADD	Administrative Assistant	Total Labor Hrs.	Remarks	Task Cost
DIRECT EXPENSES	**Rate**	**Unit**	**Amount**	**Total**								
Lodging / Hotel ($100.00 / DAY)	$ 100.00	Each	60	$ 6,000.00							**$ 6,000.00**	
Meals ($30.00 / DAY)	$ 30.00	Each	60	$ 1,800.00							**$ 1,800.00**	
Rental Car	$ 90.00	Each	40	$ 3,600.00							**$ 3,600.00**	
Air Travel	$ 500.00	Each	10	$ 5,000.00							**$ 5,000.00**	
Parking	$ 14.00	Each	60	$ 840.00							**$ 840.00**	
Overnight Mail - letter size	$ 50.00	Each	300	$ 15,000.00							**$ 15,000.00**	
Courier Services	$ 50.00	Each	300	$ 15,000.00							**$ 15,000.00**	
Photocopies B/W (8.5 X 11)	$ 0.10	Each	21,516	$ 2,151.60							**$ 2,151.60**	
Photocopies B/W (11 X 17)	$ 0.20	Each	13,500	$ 2,700.00							**$ 2,700.00**	
Photocopies Color (8.5 X 11)	$ 0.70	Each	16,800	$ 11,760.00							**$ 11,760.00**	
Photocopies Color (11 X 17)	$ 1.25	Each	13,500	$ 16,875.00							**$ 16,875.00**	
Color Graphics on Foam Board	$ 5.00	Each	400	$ 2,000.00							**$ 2,000.00**	
Newspaper Advertisement	$ 3,000.00	Each	0	$ -							**$ -**	
Court Reporter (Public Hearings & Transcription)	$ 100.00	Each	0	$ -							**$ -**	
Translator (English to Spanish or Sign Language)	$ 150.00	Each	0	$ -							**$ -**	
Public Involvement Facilty Rental	$ 500.00	Each	0	$ -							**$ -**	
Public Outreach Laison	$ 10,000.00	Month	11	$ 110,000.00							**$ 110,000.00**	
Accounting Support Services	$ 100.00	Each	400	$ 40,000.00							**$ 40,000.00**	
IT / Support Services for: ProjectWise, ROW & Utility Tool Site Operation, Constr. Field Offices	$ 80.00	Each	550	$ 44,000.00							**$ 44,000.00**	
Community Action Support (ROE/Landowner Coord/Utility Coord.)	$ 80.00	Each	0	$ -							**$ -**	
Management Support Services (OW Corridor/Toll Coord/Utility Coord.)	$ 90.00	Each	1,733	$ 155,970.00							**$ 155,970.00**	
TOTAL DIRECT EXPENSES				$ 432,696.60							**$ 432,696.60**	**$ 432,696.60**
PROGRAM MANAGEMENT CONSULTANT (SUBCONSULTANTS)												
BLANTON & ASSOCIATES, INC. - FC 120 (DBE)	**ENVIRONMENTAL SERVICES OVERSIGHT ASSISTANCE (SH 365 & IBTC)**										**$ 211,200.00**	**7.05%**
ARANDA & ASSOCIATES, INC. - FC 130 (DBE)	**SURVEY/UTILITY OVERSIGHT ASSISTANCE (SH 365 & IBTC)**										**$ 367,880.00**	**12.28%**
UNINTECH CONSULTING ENGINEERS (DBE)	**FLOODWAY BRIDGE REVIEW DURING PS&E (SH 365 & IBTC)**										**$ 20,000.00**	**0.67%**
SUBTOTAL - PROGRAM MANAGEMENT CONSULTANT (SUBCONSULTANTS)											**$ 599,080.00**	**$ 599,080.00**
GRAND TOTAL (2014)												**$ 2,995,970.54**
										DBE UTILIZATION:	**$ 599,080.00**	**20.00%**

EXHIBIT D - FEE SCHEDULE / BUDGET
Work Authorization No. 9

Program Management Consultant services for:
Systemwide Management tasks for: cost and scheduling controls, toll integration, and coordination with HCRMA Staff / Stakeholders
Project Management tasks for: State Highway 365 (SH 365) and International Bridge Trade Corridor (IBTC) including ROW acquisition and utility relocations

Sub: Aranda and Associates, Inc. — ***Work Authorization No. 9***
Program Management Services for the HCRMA Roadway System — ***Schedule Duration: 03/01/2014 to 12/31/2014***

PROGRAM MANAGEMENT SERVICES DESCRIPTION	Principal/ Sr. Manager	Surveyor (RPLS)	Engineer (PE)	Sr. Off/Fld Survey Ops Manager	GIS Manager	Certified ROW Specialist	Clerical	Survey / CADD / GIS Tech	Abstractor / Researcher	CAD / GIS Operator	3-man Survey Crew	2-Man Survey Crew	Total Labor Hrs.	Remarks	Task Cost
PROGRAM MANAGEMENT CONSULTANT SERVICES FOR: ***- SURVEY COORDINATION AND MANAGEMENT for SH 365 (INCLD. ROE/LANDOWNER & UTILITY COORD. ASST.)*** ***(20 MONTHS)*** ***- SURVEY COORDINATION AND MANAGEMENT for IBTC (INCLD. ROE/LANDOWNER & UTILITY COORD. ASST.)*** ***(20 MONTHS)***										**Sub: Aranda and Associates, Inc.**				**2014**	
I. Program Management (incld. Design Management)															
Principal / Sr. Manager	184												184		$ 38,676.80
Surveyor (RPLS)		440											440		$ 49,381.20
Engineer (PE)			120										120		$ 16,790.40
Sr. Off/Fld Survey Ops Manager				360									360		$ 25,185.60
GIS Manager					240								240		$ 16,790.40
Certified ROW Specialist						718							718		$ 80,581.14
Clerical							244						244		$ 8,535.12
Survey / CADD / GIS Tech								360					360		$ 20,988.00
Abstractor / Researcher									80				80		$ 5,596.80
CAD / GIS Operator										482			482		$ 25,290.54
ROE/Landowner/Utility Coordinator									1140				1140		$ 79,754.40
3-man Survey Crew													0		$ -
2-Man Survey Crew													0		$ -
Subtotal	**184**	**440**	**120**	**360**	**240**	**718**	**244**	**360**	**1220**	**482**	**0**	**0**	**4368**		**$ 367,570.40**
LABOR MANHOURS TOTAL	**184**	**440**	**120**	**360**	**240**	**718**	**244**	**360**	**1220**	**482**	**0**	**0**	**4,368**	**CHECK (MHRs):**	
LABOR RATE PER HOUR	$ 210.20	$ 112.23	$ 139.92	$ 69.96	$ 69.96	$ 112.23	$ 34.98	$ 58.30	$ 69.96	$ 52.47	$ 161.78	$ 129.72		**4,368**	
TOTAL DIRECT LABOR COSTS	$ 38,676.80	$ 49,381.20	$ 16,790.40	$ 25,185.60	$ 16,790.40	$ 80,581.14	$ 8,535.12	$ 20,988.00	$ 85,351.20	$ 25,290.54	$ -	$ -	$ 367,570.40		
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON FEE)	**10.52%**	**13.43%**	**4.57%**	**6.85%**	**4.57%**	**21.92%**	**2.32%**	**5.71%**	**23.22%**	**6.88%**	**0.00%**	**0.00%**	**100.00%**	**CHECK (LABOR):**	
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON MANHOURS)	**4.21%**	**10.07%**	**2.75%**	**8.24%**	**5.49%**	**16.44%**	**5.59%**	**8.24%**	**27.93%**	**11.03%**	**0.00%**	**0.00%**	**100.00%**	**$ 367,570.40**	
PERCENT LABOR UTILIZATION PER MONTH @ 170 MHR/MO (LABOR HOURS / 12.0 MO / 170 MHR/MO)	**9.02%**	**21.57%**	**5.88%**	**17.65%**	**11.76%**	**35.20%**	**11.96%**	**17.65%**	**59.80%**	**23.63%**	**0.00%**	**0.00%**			
TOTAL DIRECT LABOR COST															**$ 367,570.40**
DIRECT EXPENSES	**Rate**	**Unit**	**Amount**	**Total**											
Photocopies B/W (8.5 X 11)	$ 0.10	Each	0	$ -										**$ -**	
Photocopies B/W (11 X 17)	$ 0.20	Each	386	$ 77.20										**$ 77.20**	
Photocopies Color (8.5 X 11)	$ 0.70	Each	332	$ 232.40										**$ 232.40**	
Photocopies Color (11 X 17)	$ 1.25	Each	0	$ -										**$ -**	
TOTAL DIRECT EXPENSES				$ 309.60										**$ 309.60**	**$ 309.60**
GRAND TOTAL (2014)															**$ 367,880.00**

EXHIBIT D - FEE SCHEDULE / BUDGET
Work Authorization No. 9

Program Management Consultant services for:
Systemwide Management tasks for: cost and scheduling controls, toll integration, and coordination with HCRMA Staff / Stakeholders
Project Management tasks for: State Highway 365 (SH 365) and International Bridge Trade Corridor (IBTC) including ROW acquisition and utility relocations

Sub: Blanton and Associates, Inc. ***Work Authorization No. 9***
Program Management Services for the HCRMA Roadway System ***Schedule Duration: 03/01/2014 to 12/31/2014***

PROGRAM MANAGEMENT SERVICES DESCRIPTION	Project Principal	Sr. Project Manager	Project Manager	Sr. Env. Specialist	Env. Specialist III	Env. Planner II	Env. Specialist II	Env. Specialist I	Env. Tech II	Env. Tech I	GIS	GIS Tech	Clerical	Total Labor Hrs.	Remarks	Task Cost
PROGRAM MANAGEMENT CONSULTANT SERVICES FOR: ***- ENVIRONMENTAL COORDINATION AND MANAGEMENT FOR SH 365 (8 MONTHS)*** ***- ENVIRONMENTAL COORDINATION AND MANAGEMENT FOR IBTC (15 MONTHS)***											**Sub: Blanton and Associates, Inc.**					**2014**
I. Program Management (incld. Design Management)																
Project Principal	80													80		$ 15,119.20
Sr. Project Manager		160												160		$ 28,078.40
Project Manager			210											210		$ 31,182.90
Sr. Env. Specialist				120										120		$ 16,198.80
Env. Specialist III					160									160		$ 19,438.40
Env. Planner II						120								120		$ 12,958.80
Env. Specialist II							160							160		$ 15,118.40
Env. Specialist I								132						132		$ 10,692.00
Env. Tech II									96					96		$ 6,480.00
Env. Tech I										120				120		$ 7,452.00
GIS											240			240		$ 22,677.60
GIS Tech												180		180		$ 11,178.00
Clerical													160	160		$ 8,640.00
Subtotal	**80**	**160**	**210**	**120**	**160**	**120**	**160**	**132**	**96**	**120**	**240**	**180**	**160**	**1938**		**$ 205,214.50**
LABOR MANHOURS TOTAL	**80**	**160**	**210**	**120**	**160**	**120**	**160**	**132**	**96**	**120**	**240**	**180**	**160**	**1,938**	**CHECK (MHRs):**	
LABOR RATE PER HOUR	$ 188.99	$ 175.49	$ 148.49	$ 134.99	$ 121.49	$ 107.99	$ 94.49	$ 81.00	$ 67.50	$ 62.10	$ 94.49	$ 62.10	$ 54.00		**1,938**	
TOTAL DIRECT LABOR COSTS	$ 15,119.20	$ 28,078.40	$ 31,182.90	$ 16,198.80	$ 19,438.40	$ 12,958.80	$ 15,118.40	$ 10,692.00	$ 6,480.00	$ 7,452.00	$ 22,677.60	$ 11,178.00	$ 8,640.00	$ 205,214.50		
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON FEE)	**7.37%**	**13.68%**	**15.20%**	**7.89%**	**9.47%**	**6.31%**	**7.37%**	**5.21%**	**3.16%**	**3.63%**	**11.05%**	**5.45%**	**4.21%**	**100.00%**	**CHECK (LABOR):**	
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON MANHOURS)	**4.13%**	**8.26%**	**10.84%**	**6.19%**	**8.26%**	**6.19%**	**8.26%**	**6.81%**	**4.95%**	**6.19%**	**12.38%**	**9.29%**	**8.26%**	**100.00%**	**$ 205,214.50**	
PERCENT LABOR UTILIZATION PER MONTH @ 170 MHR/MO (LABOR HOURS / 12.0 MO / 170 MHR/MO)	**3.92%**	**7.84%**	**10.29%**	**5.88%**	**7.84%**	**5.88%**	**7.84%**	**6.47%**	**4.71%**	**5.88%**	**11.76%**	**8.82%**	**7.84%**			
TOTAL DIRECT LABOR COST																**$ 205,214.50**
DIRECT EXPENSES	**Rate**	**Unit**	**Amount**	**Total**												
Lodging / Hotel ($85 / DAY)	$ 85.00	Each	8	$ 680.00											**$ 680.00**	
Meals ($30.00 / DAY)	$ 30.00	Each	8	$ 240.00											**$ 240.00**	
Mileage	$ 0.510	Each	400	$ 204.00											**$ 204.00**	
Air Travel	$ 500.00	Each	6	$ 3,000.00											**$ 3,000.00**	
Parking	$ 14.00	Each	2	$ 28.00											**$ 28.00**	
Express Mail (Fed Ex)	$ 25.00	Each	12	$ 300.00											**$ 300.00**	
Courier Services	$ 50.00	Each	4	$ 200.00											**$ 200.00**	
Photocopies B/W (8.5 X 11)	$ 0.10	Each	525	$ 52.50											**$ 52.50**	
Photocopies B/W (11 X 17)	$ 0.20	Each	355	$ 71.00											**$ 71.00**	
Photocopies Color (11 X 17)	$ 1.25	Each	400	$ 500.00											**$ 500.00**	
Plots (B/W on Bond)	$ 1.00	Each	200	$ 200.00											**$ 200.00**	
Plots (Color on Bond)	$ 2.00	Each	240	$ 480.00											**$ 480.00**	
Color Graphics on Foam Board	$ 5.00	Each	6	$ 30.00											**$ 30.00**	
TOTAL DIRECT EXPENSES				$ 5,985.50											**$ 5,985.50**	**$ 5,985.50**
GRAND TOTAL (2014)																**$ 211,200.00**

EXHIBIT D - FEE SCHEDULE / BUDGET
Work Authorization No. 9

Program Management Consultant services for:
Systemwide Management tasks for: cost and scheduling controls, toll integration, and coordination with HCRMA Staff / Stakeholders
Project Management tasks for: State Highway 365 (SH 365) and International Bridge Trade Corridor (IBTC) including ROW acquisition and utility relocations

Sub: Unintech Consulting Engineers, Inc. — ***Work Authorization No. 9***
Program Management Services for the HCRMA Roadway System — ***Schedule Duration: 03/01/2014 to 12/31/2014***

PROGRAM MANAGEMENT SERVICES DESCRIPTION	Senior Project Manager	QA/QC Officer	Project Manager	Senior Engineer	Project Engineer	Engineering Intern (EIT)	Senior Designer	Engineering Tech/CADD	Total Labor Hrs.	Remarks	Task Cost
PROGRAM MANAGEMENT CONSULTANT SERVICES FOR: ***- STRUCTURAL REVIEW OF PS&E AT FLOODWAY BRIDGE FOR SH 365 (5 MONTHS)*** ***- STRUCTURAL REVIEW OF PS&E AT FLOODWAY BRIDGE FOR IBTC (5 MONTHS)***						**Sub: Unintech Consulting Engineers, Inc.**					**2014**
I. Program Management (incld. Design Management)											
Senior Project Manager	16								16		$ 3,117.12
QA/QC Officer		36							36		$ 7,013.52
Project Manager			16						16		$ 2,630.40
Senior Engineer				12					12		$ 1,875.72
Project Engineer					8				8		$ 1,121.12
Engineering Intern (EIT)						12			12		$ 1,034.88
Senior Designer							16		16		$ 1,379.84
Engineering Tech/CADD								30	30		$ 1,778.70
									0		$ -
Subtotal	**16**	**36**	**16**	**12**	**8**	**12**	**16**	**30**	**146**		**$ 19,951.30**
LABOR MANHOURS TOTAL	**16**	**36**	**16**	**12**	**8**	**12**	**16**	**30**	**146**	**CHECK (MHRs):**	
LABOR RATE PER HOUR	$ 194.82	$ 194.82	$ 164.40	$ 156.31	$ 140.14	$ 86.24	$ 86.24	$ 59.29		**146**	
TOTAL DIRECT LABOR COSTS	$ 3,117.12	$ 7,013.52	$ 2,630.40	$ 1,875.72	$ 1,121.12	$ 1,034.88	$ 1,379.84	$ 1,778.70	$ 19,951.30		
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON FEE)	**15.62%**	**35.15%**	**13.18%**	**9.40%**	**5.62%**	**5.19%**	**6.92%**	**8.92%**	**100.00%**	**CHECK (LABOR):**	
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON MANHOURS)	**10.96%**	**24.66%**	**10.96%**	**8.22%**	**5.48%**	**8.22%**	**10.96%**	**20.55%**	**100.00%**	**$ 19,951.30**	
PERCENT LABOR UTILIZATION PER MONTH @ 170 MHR/MO (LABOR HOURS / 12.0 MO / 170 MHR/MO)	**0.78%**	**1.76%**	**0.78%**	**0.59%**	**0.39%**	**0.59%**	**0.78%**	**1.47%**			
TOTAL DIRECT LABOR COST											**$ 19,951.30**
DIRECT EXPENSES	**Rate**	**Unit**	**Amount**	**Total**							
Lodging / Hotel ($100.00 / DAY)	$ 100.00	Each	0	$ -						**$ -**	
Meals ($30.00 / DAY)	$ 30.00	Each	0	$ -						**$ -**	
Rental Car	$ 90.00	Each	0	$ -						**$ -**	
Air Travel	$ 500.00	Each	0	$ -						**$ -**	
Overnight Mail - letter size	$ 50.00	Each	0	$ -						**$ -**	
Courier Services	$ 50.00	Each	0	$ -						**$ -**	
Photocopies B/W (8.5 X 11)	$ 0.10	Each	454	$ 45.40						**$ 45.40**	
Photocopies B/W (11 X 17)	$ 0.20	Each	4	$ 0.80						**$ 0.80**	
Photocopies Color (8.5 X 11)	$ 0.70	Each	0	$ -						**$ -**	
Photocopies Color (11 X 17)	$ 1.25	Each	2	$ 2.50						**$ 2.50**	
Plots (Color on Bond)	$ 2.00	Linear Foot	0	$ -						**$ -**	
TOTAL DIRECT EXPENSES				$ 48.70						**$ 48.70**	**$ 48.70**
GRAND TOTAL (2014)											**$ 20,000.00**

EXHIBIT D - FEE SCHEDULE / BUDGET
Work Authorization No. 9

Program Management Consultant services for:
Systemwide Management tasks for: cost and scheduling controls, toll integration, and coordination with HCRMA Staff / Stakeholders
Project Management tasks for: State Highway 365 (SH 365) and International Bridge Trade Corridor (IBTC) including ROW acquisition and utility relocations
Construction Management tasks for: State Highway 365 (SH 365) and International Bridge Trade Corridor (IBTC)

Prime: Dannenbaum Engineering Corporation ***Work Authorization No. 9***
Program Management Services for the HCRMA Roadway System ***Schedule Duration: 01/01/2015 to 12/31/2015***

PROGRAM MANAGEMENT SERVICES DESCRIPTION	Principal/ Program Manager	QA/QC Officer/ Independent Engineer Officer	Deputy Program Manager (Engineer VI)	Senior Engineer (Engineer V)	Project Engineer (Engineer IV)	Civil Engineer (Engineer III)	Senior Designer	Eng. Tech/CADD	Administrative Assistant	Total Labor Hrs.	Remarks	Task Cost
PROGRAM MANAGEMENT CONSULTANT SERVICES FOR: ***- SYSTEMWIDE MANAGEMENT TASKS FOR: COST AND SCHEDULING CONTROLS, TOLL INTEGRATION, AND COORDINATION WITH HCRMA STAFF / STAKEHOLDERS (52 MONTHS)*** ***- PROJECT MANAGEMENT TASKS FOR: STATE HIGHWAY 365 (SH 365) AND INTERNATIONAL BRIDGE TRADE CORRIDOR (IBTC) INCLUDING ROW ACQUISITION AND UTILITY RELOCATIONS (24 MONTHS)*** ***- CONSTRUCTION MANAGEMENT TASKS FOR: STATE HIGHWAY 365 (SH 365) (42 MONTHS) AND INTERNATIONAL BRIDGE TRADE CORRIDOR (IBTC) (30 MONTHS)***											**Prime: Dannenbaum Engineering Corporation** **2015**	
I. Program Management (incld. Design Management)												
PMC: Program Manager (30%)	624									624		$ 196,304.16
PMC: Deputy Project Manager (Varies)			1368							1368		$ 311,493.60
PMC: QA/QC Officer (10%)		18								18		$ 5,264.82
PMC: Senior Engineer (V) - Civil (Review)				180						180		$ 31,696.20
PMC: Senior Engineer (V) - Bridge (Review)				180						180		$ 31,696.20
PMC: Senior Engineer (V) - Hydro (Review)				48						48		$ 8,452.32
PMC: Project Engineer IV - Project Coordination (100%)					2064					2064		$ 325,843.68
PMC: Senior Designer (Varies)							1204			1204		$ 116,968.60
PMC: Civil Engineer III - Scheduler/Proj. Ctrls. (100%)						2064				2064		$ 269,455.20
PMC: Civil Engineer III - Utility Engineer (100%)						1204				1204		$ 157,182.20
PMC: Engineer I (100%)							2064			2064		$ 200,517.60
PMC: Administrative Assistant / Doc. Control (100%)									2064	2064		$ 125,326.08
PMC: Administrative Assistant (Varies)									460	460		$ 27,931.20
Subtotal	**624**	**18**	**1368**	**408**	**2064**	**3268**	**3268**	**0**	**2524**	**13542**		**$ 1,808,131.86**
II. Construction Management												
PMC: Senior Construction Manager (100%)			0							0		$ -
PMC: Construction Engineer (Civil) (100%)				0						0		$ -
PMC: Const. Field Engineer - Scheduler/Proj. Ctrls. (100%)						0				0		$ -
PMC: Const. Field Engineer - Asst. Constr. Eng. (0%)						0				0		$ -
PMC: Administrative Assistant / Doc. Control (100%)									0	0		$ -
Subtotal	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**		**$ -**
LABOR MANHOURS TOTAL	**624**	**18**	**1368**	**408**	**2064**	**3268**	**3268**	**0**	**2524**	**13,542**	**CHECK (MHRs):**	
LABOR RATE PER HOUR	$ 314.59	$ 292.49	$ 227.70	$ 176.09	$ 157.87	$ 130.55	$ 97.15	$ 66.79	$ 60.72		**13,542**	
TOTAL DIRECT LABOR COSTS	$ 196,304.16	$ 5,264.82	$ 311,493.60	$ 71,844.72	$ 325,843.68	$ 426,637.40	$ 317,486.20	$ -	$ 153,257.28	$ 1,808,131.86		
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON FEE)	**10.9%**	**0.3%**	**17.2%**	**4.0%**	**18.0%**	**23.6%**	**17.6%**	**0.0%**	**8.5%**	**100.00%**	**CHECK (LABOR):**	
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON MANHOURS)	**4.6%**	**0.1%**	**10.1%**	**3.0%**	**15.2%**	**24.1%**	**24.1%**	**0.0%**	**18.6%**	**100.00%**	**$ 1,808,131.86**	
PERCENT LABOR UTILIZATION PER MONTH @ 170 MHR/MO (LABOR HOURS / 12 MO / 170 MHR/MO)	**30.6%**	**0.9%**	**67.1%**	**20.0%**	**101.2%**	**160.2%**	**160.2%**	**0.0%**	**123.7%**			
TOTAL DIRECT LABOR COST												**$ 1,808,131.86**

EXHIBIT D - FEE SCHEDULE / BUDGET
Work Authorization No. 9

Program Management Consultant services for:
Systemwide Management tasks for: cost and scheduling controls, toll integration, and coordination with HCRMA Staff / Stakeholders
Project Management tasks for: State Highway 365 (SH 365) and International Bridge Trade Corridor (IBTC) including ROW acquisition and utility relocations
Construction Management tasks for: State Highway 365 (SH 365) and International Bridge Trade Corridor (IBTC)

Prime: Dannenbaum Engineering Corporation ***Work Authorization No. 9***
Program Management Services for the HCRMA Roadway System ***Schedule Duration: 01/01/2015 to 12/31/2015***

PROGRAM MANAGEMENT SERVICES DESCRIPTION	Principal/ Program Manager	QA/QC Officer/ Independent Engineer Officer	Deputy Program Manager (Engineer VI)	Senior Engineer (Engineer V)	Project Engineer (Engineer IV)	Civil Engineer (Engineer III)	Senior Designer	Eng. Tech/CADD	Administrative Assistant	Total Labor Hrs.	Remarks	Task Cost
DIRECT EXPENSES	**Rate**	**Unit**	**Amount**	**Total**								
Lodging / Hotel ($100.00 / DAY)	$ 100.00	Each	72	$ 7,200.00							**$ 7,200.00**	
Meals ($30.00 / DAY)	$ 30.00	Each	72	$ 2,160.00							**$ 2,160.00**	
Rental Car	$ 90.00	Each	48	$ 4,320.00							**$ 4,320.00**	
Air Travel	$ 500.00	Each	12	$ 6,000.00							**$ 6,000.00**	
Parking	$ 14.00	Each	80	$ 1,120.00							**$ 1,120.00**	
Overnight Mail - letter size	$ 50.00	Each	420	$ 21,000.00							**$ 21,000.00**	
Courier Services	$ 50.00	Each	420	$ 21,000.00							**$ 21,000.00**	
Photocopies B/W (8.5 X 11)	$ 0.10	Each	22,560	$ 2,256.00							**$ 2,256.00**	
Photocopies B/W (11 X 17)	$ 0.20	Each	14,000	$ 2,800.00							**$ 2,800.00**	
Photocopies Color (8.5 X 11)	$ 0.70	Each	16,920	$ 11,844.00							**$ 11,844.00**	
Photocopies Color (11 X 17)	$ 1.25	Each	14,000	$ 17,500.00							**$ 17,500.00**	
Color Graphics on Foam Board	$ 5.00	Each	412	$ 2,060.00							**$ 2,060.00**	
Newspaper Advertisement	$ 3,000.00	Each	0	$ -							**$ -**	
Court Reporter (Public Hearings & Transcription)	$ 100.00	Each	0	$ -							**$ -**	
Translator (English to Spanish or Sign Language)	$ 150.00	Each	0	$ -							**$ -**	
Public Involvement Facilty Rental	$ 500.00	Each	0	$ -							**$ -**	
Public Outreach Laison	$ 10,000.00	Month	12	$ 120,000.00							**$ 120,000.00**	
Accounting Support Services	$ 100.00	Each	480	$ 48,000.00							**$ 48,000.00**	
IT / Support Services for: ProjectWise, ROW & Utility Tool Site Operation, Constr. Field Offices	$ 80.00	Each	660	$ 52,800.00							**$ 52,800.00**	
Community Action Support (ROE/Landowner Coord/Utility Coord.)	$ 80.00	Each	0	$ -							**$ -**	
Management Support Services (OW Corridor/Toll Coord/Utility Coord.)	$ 90.00	Each	1,906	$ 171,540.00							**$ 171,540.00**	
TOTAL DIRECT EXPENSES				$ 491,600.00							**$ 491,600.00**	**$ 491,600.00**
PROGRAM MANAGEMENT CONSULTANT (SUBCONSULTANTS)												
BLANTON & ASSOCIATES, INC. - FC 120 (DBE)	**ENVIRONMENTAL SERVICES OVERSIGHT ASSISTANCE (SH 365 & IBTC)**										**$ 27,200.00**	**1.10%**
ARANDA & ASSOCIATES, INC. - FC 130 (DBE)	**SURVEY/UTILITY OVERSIGHT ASSISTANCE (SH 365 & IBTC)**										**$ 132,000.00**	**5.35%**
UNINTECH CONSULTING ENGINEERS (DBE)	**FLOODWAY BRIDGE REVIEW DURING PS&E (SH 365 & IBTC)**										**$ 10,000.00**	**0.41%**
SUBTOTAL - PROGRAM MANAGEMENT CONSULTANT (SUBCONSULTANTS)											**$ 169,200.00**	**$ 169,200.00**
GRAND TOTAL (2015)												**$ 2,468,931.86**
										DBE UTILIZATION:	**$ 169,200.00**	**6.85%**

EXHIBIT D - FEE SCHEDULE / BUDGET
Work Authorization No. 9

Program Management Consultant services for:
Systemwide Management tasks for: cost and scheduling controls, toll integration, and coordination with HCRMA Staff / Stakeholders
Project Management tasks for: State Highway 365 (SH 365) and International Bridge Trade Corridor (IBTC) including ROW acquisition and utility relocations

Sub: Aranda and Associates, Inc. — ***Work Authorization No. 9***
Program Management Services for the HCRMA Roadway System — ***Schedule Duration: 01/01/2015 to 12/31/2015***

PROGRAM MANAGEMENT SERVICES DESCRIPTION	Principal/ Sr. Manager	Surveyor (RPLS)	Engineer (PE)	Sr. Off/Fld Survey Ops Manager	GIS Manager	Certified ROW Specialist	Clerical	Survey / CADD / GIS Tech	Abstractor / Researcher	CAD / GIS Operator	3-man Survey Crew	2-Man Survey Crew	Total Labor Hrs.	Remarks	Task Cost
PROGRAM MANAGEMENT CONSULTANT SERVICES FOR: ***- SURVEY COORDINATION AND MANAGEMENT for SH 365 (INCLD. ROE/LANDOWNER & UTILITY COORD. ASST.)*** ***(20 MONTHS)*** ***- SURVEY COORDINATION AND MANAGEMENT for IBTC (INCLD. ROE/LANDOWNER & UTILITY COORD. ASST.)*** ***(20 MONTHS)***										**Sub: Aranda and Associates, Inc.**				**2015**	
I. Program Management (incld. Design Management)															
Principal / Sr. Manager	28												28		$ 5,885.60
Surveyor (RPLS)		64											64		$ 7,182.72
Engineer (PE)			18										18		$ 2,518.56
Sr. Off/Fld Survey Ops Manager				56									56		$ 3,917.76
GIS Manager					38								38		$ 2,658.48
Certified ROW Specialist						110							110		$ 12,345.30
Clerical							41						41		$ 1,434.18
Survey / CADD / GIS Tech								56					56		$ 3,264.80
Abstractor / Researcher									12				12		$ 839.52
CAD / GIS Operator										74			74		$ 3,882.78
ROE/Landowner/Utility Coordinator									1255				1255		$ 87,799.80
3-man Survey Crew													0		$ -
2-Man Survey Crew													0		$ -
Subtotal	**28**	**64**	**18**	**56**	**38**	**110**	**41**	**56**	**1267**	**74**	**0**	**0**	**1752**		**$ 131,729.50**
LABOR MANHOURS TOTAL	**28**	**64**	**18**	**56**	**38**	**110**	**41**	**56**	**1267**	**74**	**0**	**0**	**1,752**	**CHECK (MHRs):**	
LABOR RATE PER HOUR	$ 210.20	$ 112.23	$ 139.92	$ 69.96	$ 69.96	$ 112.23	$ 34.98	$ 58.30	$ 69.96	$ 52.47	$ 161.78	$ 129.72		**1,752**	
TOTAL DIRECT LABOR COSTS	$ 5,885.60	$ 7,182.72	$ 2,518.56	$ 3,917.76	$ 2,658.48	$ 12,345.30	$ 1,434.18	$ 3,264.80	$ 88,639.32	$ 3,882.78	$ -	$ -	$ 131,729.50		
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON FEE)	**4.47%**	**5.45%**	**1.91%**	**2.97%**	**2.02%**	**9.37%**	**1.09%**	**2.48%**	**67.29%**	**2.95%**	**0.00%**	**0.00%**	**100.00%**	**CHECK (LABOR):**	
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON MANHOURS)	**1.60%**	**3.65%**	**1.03%**	**3.20%**	**2.17%**	**6.28%**	**2.34%**	**3.20%**	**72.32%**	**4.22%**	**0.00%**	**0.00%**	**100.00%**	**$ 131,729.50**	
PERCENT LABOR UTILIZATION PER MONTH @ 170 MHR/MO (LABOR HOURS / 12.0 MO / 170 MHR/MO)	**1.37%**	**3.14%**	**0.88%**	**2.75%**	**1.86%**	**5.39%**	**2.01%**	**2.75%**	**62.11%**	**3.63%**	**0.00%**	**0.00%**			
TOTAL DIRECT LABOR COST															**$ 131,729.50**
DIRECT EXPENSES	**Rate**	**Unit**	**Amount**	**Total**											
Photocopies B/W (8.5 X 11)	$ 0.10	Each	0	$ -										**$ -**	
Photocopies B/W (11 X 17)	$ 0.20	Each	285	$ 57.00										**$ 57.00**	
Photocopies Color (8.5 X 11)	$ 0.70	Each	305	$ 213.50										**$ 213.50**	
Photocopies Color (11 X 17)	$ 1.25	Each	0	$ -										**$ -**	
TOTAL DIRECT EXPENSES				$ 270.50										**$ 270.50**	**$ 270.50**
GRAND TOTAL (2015)															**$ 132,000.00**

EXHIBIT D - FEE SCHEDULE / BUDGET
Work Authorization No. 9

Program Management Consultant services for:
Systemwide Management tasks for: cost and scheduling controls, toll integration, and coordination with HCRMA Staff / Stakeholders
Project Management tasks for: State Highway 365 (SH 365) and International Bridge Trade Corridor (IBTC) including ROW acquisition and utility relocations

Sub: Blanton and Associates, Inc. ***Work Authorization No. 9***
Program Management Services for the HCRMA Roadway System ***Schedule Duration: 01/01/2015 to 12/31/2015***

PROGRAM MANAGEMENT SERVICES DESCRIPTION	Project Principal	Sr. Project Manager	Project Manager	Sr. Env. Specialist	Env. Specialist III	Env. Planner II	Env. Specialist II	Env. Specialist I	Env. Tech II	Env. Tech I	GIS	GIS Tech	Clerical	Total Labor Hrs.	Remarks	Task Cost
PROGRAM MANAGEMENT CONSULTANT SERVICES FOR: ***- ENVIRONMENTAL COORDINATION AND MANAGEMENT FOR SH 365 (8 MONTHS)*** ***- ENVIRONMENTAL COORDINATION AND MANAGEMENT FOR IBTC (15 MONTHS)***											**Sub: Blanton and Associates, Inc.**					**2015**
I. Program Management (incld. Design Management)																
Project Principal	8													8		$ 1,511.92
Sr. Project Manager		24												24		$ 4,211.76
Project Manager			32											32		$ 4,751.68
Sr. Env. Specialist				24										24		$ 3,239.76
Env. Specialist III					16									16		$ 1,943.84
Env. Planner II						12								12		$ 1,295.88
Env. Specialist II							16							16		$ 1,511.84
Env. Specialist I								16						16		$ 1,296.00
Env. Tech II									12					12		$ 810.00
Env. Tech I										12				12		$ 745.20
GIS											24			24		$ 2,267.76
GIS Tech												18		18		$ 1,117.80
Clerical													24	24		$ 1,296.00
Subtotal	**8**	**24**	**32**	**24**	**16**	**12**	**16**	**16**	**12**	**12**	**24**	**18**	**24**	**238**		**$ 25,999.44**
LABOR MANHOURS TOTAL	**8**	**24**	**32**	**24**	**16**	**12**	**16**	**16**	**12**	**12**	**24**	**18**	**24**	**238**	**CHECK (MHRs):**	
LABOR RATE PER HOUR	$ 188.99	$ 175.49	$ 148.49	$ 134.99	$ 121.49	$ 107.99	$ 94.49	$ 81.00	$ 67.50	$ 62.10	$ 94.49	$ 62.10	$ 54.00		**238**	
TOTAL DIRECT LABOR COSTS	$ 1,511.92	$ 4,211.76	$ 4,751.68	$ 3,239.76	$ 1,943.84	$ 1,295.88	$ 1,511.84	$ 1,296.00	$ 810.00	$ 745.20	$ 2,267.76	$ 1,117.80	$ 1,296.00	$ 25,999.44		
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON FEE)	**5.82%**	**16.20%**	**18.28%**	**12.46%**	**7.48%**	**4.98%**	**5.81%**	**4.98%**	**3.12%**	**2.87%**	**8.72%**	**4.30%**	**4.98%**	**100.00%**	**CHECK (LABOR):**	
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON MANHOURS)	**3.36%**	**10.08%**	**13.45%**	**10.08%**	**6.72%**	**5.04%**	**6.72%**	**6.72%**	**5.04%**	**5.04%**	**10.08%**	**7.56%**	**10.08%**	**100.00%**	**$ 25,999.44**	
PERCENT LABOR UTILIZATION PER MONTH @ 170 MHR/MO (LABOR HOURS / 12.0 MO / 170 MHR/MO)	**0.39%**	**1.18%**	**1.57%**	**1.18%**	**0.78%**	**0.59%**	**0.78%**	**0.78%**	**0.59%**	**0.59%**	**1.18%**	**0.88%**	**1.18%**			
TOTAL DIRECT LABOR COST																**$ 25,999.44**
DIRECT EXPENSES	**Rate**	**Unit**	**Amount**	**Total**												
Lodging / Hotel ($85 / DAY)	$ 85.00	Each	2	$ 170.00											**$ 170.00**	
Meals ($30.00 / DAY)	$ 30.00	Each	2	$ 60.00											**$ 60.00**	
Mileage	$ 0.510	Each	196	$ 99.96											**$ 99.96**	
Air Travel	$ 500.00	Each	0	$ -											**$ -**	
Parking	$ 14.00	Each	1	$ 14.00											**$ 14.00**	
Express Mail (Fed Ex)	$ 25.00	Each	2	$ 50.00											**$ 50.00**	
Courier Services	$ 50.00	Each	2	$ 100.00											**$ 100.00**	
Photocopies B/W (8.5 X 11)	$ 0.10	Each	216	$ 21.60											**$ 21.60**	
Photocopies B/W (11 X 17)	$ 0.20	Each	200	$ 40.00											**$ 40.00**	
Photocopies Color (11 X 17)	$ 1.25	Each	160	$ 200.00											**$ 200.00**	
Plots (B/W on Bond)	$ 1.00	Each	180	$ 180.00											**$ 180.00**	
Plots (Color on Bond)	$ 2.00	Each	120	$ 240.00											**$ 240.00**	
Color Graphics on Foam Board	$ 5.00	Each	5	$ 25.00											**$ 25.00**	
TOTAL DIRECT EXPENSES				$ 1,200.56											**$ 1,200.56**	**$ 1,200.56**
GRAND TOTAL (2015)																**$ 27,200.00**

EXHIBIT D - FEE SCHEDULE / BUDGET
Work Authorization No. 9

Program Management Consultant services for:
Systemwide Management tasks for: cost and scheduling controls, toll integration, and coordination with HCRMA Staff / Stakeholders
Project Management tasks for: State Highway 365 (SH 365) and International Bridge Trade Corridor (IBTC) including ROW acquisition and utility relocations

Sub: Unintech Consulting Engineers, Inc. — ***Work Authorization No. 9***
Program Management Services for the HCRMA Roadway System — ***Schedule Duration: 01/01/2015 to 12/31/2015***

PROGRAM MANAGEMENT SERVICES DESCRIPTION	Senior Project Manager	QA/QC Officer	Project Manager	Senior Engineer	Project Engineer	Engineering Intern (EIT)	Senior Designer	Engineering Tech/CADD	Total Labor Hrs.	Remarks	Task Cost
PROGRAM MANAGEMENT CONSULTANT SERVICES FOR: ***- STRUCTURAL REVIEW OF PS&E AT FLOODWAY BRIDGE FOR SH 365 (5 MONTHS)*** ***- STRUCTURAL REVIEW OF PS&E AT FLOODWAY BRIDGE FOR IBTC (5 MONTHS)***						**Sub: Unintech Consulting Engineers, Inc.**					**2015**
I. Program Management (incld. Design Management)											
Senior Project Manager	8								8		$ 1,558.56
QA/QC Officer		18							18		$ 3,506.76
Project Manager			8						8		$ 1,315.20
Senior Engineer				6					6		$ 937.86
Project Engineer					4				4		$ 560.56
Engineering Intern (EIT)						6			6		$ 517.44
Senior Designer							8		8		$ 689.92
Engineering Tech/CADD								15	15		$ 889.35
									0		$ -
Subtotal	**8**	**18**	**8**	**6**	**4**	**6**	**8**	**15**	**73**		**$ 9,975.65**
LABOR MANHOURS TOTAL	**8**	**18**	**8**	**6**	**4**	**6**	**8**	**15**	**73**	**CHECK (MHRs):**	
LABOR RATE PER HOUR	$ 194.82	$ 194.82	$ 164.40	$ 156.31	$ 140.14	$ 86.24	$ 86.24	$ 59.29		**73**	
TOTAL DIRECT LABOR COSTS	$ 1,558.56	$ 3,506.76	$ 1,315.20	$ 937.86	$ 560.56	$ 517.44	$ 689.92	$ 889.35	$ 9,975.65		
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON FEE)	**15.62%**	**35.15%**	**13.18%**	**9.40%**	**5.62%**	**5.19%**	**6.92%**	**8.92%**	**100.00%**	**CHECK (LABOR):**	
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON MANHOURS)	**10.96%**	**24.66%**	**10.96%**	**8.22%**	**5.48%**	**8.22%**	**10.96%**	**20.55%**	**100.00%**	**$ 9,975.65**	
PERCENT LABOR UTILIZATION PER MONTH @ 170 MHR/MO (LABOR HOURS / 12.0 MO / 170 MHR/MO)	**0.39%**	**0.88%**	**0.39%**	**0.29%**	**0.20%**	**0.29%**	**0.39%**	**0.74%**			
TOTAL DIRECT LABOR COST											**$ 9,975.65**
DIRECT EXPENSES	**Rate**	**Unit**	**Amount**	**Total**							
Lodging / Hotel ($100.00 / DAY)	$ 100.00	Each	0	$ -						**$ -**	
Meals ($30.00 / DAY)	$ 30.00	Each	0	$ -						**$ -**	
Rental Car	$ 90.00	Each	0	$ -						**$ -**	
Air Travel	$ 500.00	Each	0	$ -						**$ -**	
Overnight Mail - letter size	$ 50.00	Each	0	$ -						**$ -**	
Courier Services	$ 50.00	Each	0	$ -						**$ -**	
Photocopies B/W (8.5 X 11)	$ 0.10	Each	227	$ 22.70						**$ 22.70**	
Photocopies B/W (11 X 17)	$ 0.20	Each	2	$ 0.40						**$ 0.40**	
Photocopies Color (8.5 X 11)	$ 0.70	Each	0	$ -						**$ -**	
Photocopies Color (11 X 17)	$ 1.25	Each	1	$ 1.25						**$ 1.25**	
Plots (Color on Bond)	$ 2.00	Linear Foot	0	$ -						**$ -**	
TOTAL DIRECT EXPENSES				$ 24.35						**$ 24.35**	**$ 24.35**
GRAND TOTAL (2015)											**$ 10,000.00**

EXHIBIT D - FEE SCHEDULE / BUDGET
Work Authorization No. 9

Program Management Consultant services for:
Systemwide Management tasks for: cost and scheduling controls, toll integration, and coordination with HCRMA Staff / Stakeholders
Project Management tasks for: State Highway 365 (SH 365) and International Bridge Trade Corridor (IBTC) including ROW acquisition and utility relocations
Construction Management tasks for: State Highway 365 (SH 365) and International Bridge Trade Corridor (IBTC)

Prime: Dannenbaum Engineering Corporation ***Work Authorization No. 9***
Program Management Services for the HCRMA Roadway System ***Schedule Duration: 01/01/2016 to 12/31/2016***

PROGRAM MANAGEMENT SERVICES DESCRIPTION	Principal/ Program Manager	QA/QC Officer/ Independent Engineer Officer	Deputy Program Manager (Engineer VI)	Senior Engineer (Engineer V)	Project Engineer (Engineer IV)	Civil Engineer (Engineer III)	Senior Designer	Eng. Tech/CADD	Administrative Assistant	Total Labor Hrs.	Remarks	Task Cost
PROGRAM MANAGEMENT CONSULTANT SERVICES FOR: ***- SYSTEMWIDE MANAGEMENT TASKS FOR: COST AND SCHEDULING CONTROLS, TOLL INTEGRATION, AND COORDINATION WITH HCRMA STAFF / STAKEHOLDERS (52 MONTHS)*** ***- PROJECT MANAGEMENT TASKS FOR: STATE HIGHWAY 365 (SH 365) AND INTERNATIONAL BRIDGE TRADE CORRIDOR (IBTC) INCLUDING ROW ACQUISITION AND UTILITY RELOCATIONS (24 MONTHS)*** ***- CONSTRUCTION MANAGEMENT TASKS FOR: STATE HIGHWAY 365 (SH 365) (42 MONTHS) AND INTERNATIONAL BRIDGE TRADE CORRIDOR (IBTC) (30 MONTHS)***											**Prime: Dannenbaum Engineering Corporation** **2016**	
I. Program Management (incld. Design Management)												
PMC: Program Manager (30%)	624									624		$ 196,304.16
PMC: Deputy Project Manager (Varies)			0							0		$ -
PMC: QA/QC Officer (10%)		0								0		$ -
PMC: Senior Engineer (V) - Civil (Review)				0						0		$ -
PMC: Senior Engineer (V) - Bridge (Review)				0						0		$ -
PMC: Senior Engineer (V) - Hydro (Review)				0						0		$ -
PMC: Project Engineer IV - Project Coordination (100%)					2064					2064		$ 325,843.68
PMC: Senior Designer (Varies)							0			0		$ -
PMC: Civil Engineer III - Scheduler/Proj. Ctrls. (100%)						0				0		$ -
PMC: Civil Engineer III - Utility Engineer (100%)						0				0		$ -
PMC: Engineer I (100%)							0			0		$ -
PMC: Administrative Assistant / Doc. Control (100%)									0	0		$ -
PMC: Administrative Assistant (Varies)									0	0		$ -
Subtotal	**624**	**0**	**0**	**0**	**2064**	**0**	**0**	**0**	**0**	**2688**		**$ 522,147.84**
II. Construction Management												
PMC: Senior Construction Manager (100%)			2064							2064		$ 469,972.80
PMC: Construction Engineer (Civil) (100%)				2064						2064		$ 363,449.76
PMC: Const. Field Engineer - Scheduler/Proj. Ctrls. (100%)						2064				2064		$ 269,455.20
PMC: Const. Field Engineer - Asst. Constr. Eng. (0%)						0				0		$ -
PMC: Administrative Assistant / Doc. Control (100%)									2064	2064		$ 125,326.08
Subtotal	**0**	**0**	**2064**	**2064**	**0**	**2064**	**0**	**0**	**2064**	**8256**		**$ 1,228,203.84**
LABOR MANHOURS TOTAL	**624**	**0**	**2064**	**2064**	**2064**	**2064**	**0**	**0**	**2064**	**10,944**	**CHECK (MHRs):**	
LABOR RATE PER HOUR	$ 314.59	$ 292.49	$ 227.70	$ 176.09	$ 157.87	$ 130.55	$ 97.15	$ 66.79	$ 60.72		**10,944**	
TOTAL DIRECT LABOR COSTS	$ 196,304.16	$ -	$ 469,972.80	$ 363,449.76	$ 325,843.68	$ 269,455.20	$ -	$ -	$ 125,326.08	$ 1,750,351.68		
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON FEE)	**11.2%**	**0.0%**	**26.9%**	**20.8%**	**18.6%**	**15.4%**	**0.0%**	**0.0%**	**7.2%**	**100.00%**	**CHECK (LABOR):**	
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON MANHOURS)	**5.7%**	**0.0%**	**18.9%**	**18.9%**	**18.9%**	**18.9%**	**0.0%**	**0.0%**	**18.9%**	**100.00%**	**$ 1,750,351.68**	
PERCENT LABOR UTILIZATION PER MONTH @ 170 MHR/MO (LABOR HOURS / 12 MO / 170 MHR/MO)	**30.6%**	**0.0%**	**101.2%**	**101.2%**	**101.2%**	**101.2%**	**0.0%**	**0.0%**	**101.2%**			
TOTAL DIRECT LABOR COST												**$ 1,750,351.68**

EXHIBIT D - FEE SCHEDULE / BUDGET
Work Authorization No. 9

Program Management Consultant services for:
Systemwide Management tasks for: cost and scheduling controls, toll integration, and coordination with HCRMA Staff / Stakeholders
Project Management tasks for: State Highway 365 (SH 365) and International Bridge Trade Corridor (IBTC) including ROW acquisition and utility relocations
Construction Management tasks for: State Highway 365 (SH 365) and International Bridge Trade Corridor (IBTC)

Prime: Dannenbaum Engineering Corporation ***Work Authorization No. 9***
Program Management Services for the HCRMA Roadway System ***Schedule Duration: 01/01/2016 to 12/31/2016***

PROGRAM MANAGEMENT SERVICES DESCRIPTION	Principal/ Program Manager	QA/QC Officer/ Independent Engineer Officer	Deputy Program Manager (Engineer VI)	Senior Engineer (Engineer V)	Project Engineer (Engineer IV)	Civil Engineer (Engineer III)	Senior Designer	Eng. Tech/CADD	Administrative Assistant	Total Labor Hrs.	Remarks	Task Cost
DIRECT EXPENSES	**Rate**	**Unit**	**Amount**	**Total**								
Lodging / Hotel ($100.00 / DAY)	$ 100.00	Each	72	$ 7,200.00							**$ 7,200.00**	
Meals ($30.00 / DAY)	$ 30.00	Each	72	$ 2,160.00							**$ 2,160.00**	
Rental Car	$ 90.00	Each	48	$ 4,320.00							**$ 4,320.00**	
Air Travel	$ 500.00	Each	12	$ 6,000.00							**$ 6,000.00**	
Parking	$ 14.00	Each	80	$ 1,120.00							**$ 1,120.00**	
Overnight Mail - letter size	$ 50.00	Each	420	$ 21,000.00							**$ 21,000.00**	
Courier Services	$ 50.00	Each	420	$ 21,000.00							**$ 21,000.00**	
Photocopies B/W (8.5 X 11)	$ 0.10	Each	22,560	$ 2,256.00							**$ 2,256.00**	
Photocopies B/W (11 X 17)	$ 0.20	Each	14,000	$ 2,800.00							**$ 2,800.00**	
Photocopies Color (8.5 X 11)	$ 0.70	Each	16,920	$ 11,844.00							**$ 11,844.00**	
Photocopies Color (11 X 17)	$ 1.25	Each	14,000	$ 17,500.00							**$ 17,500.00**	
Color Graphics on Foam Board	$ 5.00	Each	400	$ 2,000.00							**$ 2,000.00**	
Newspaper Advertisement	$ 3,000.00	Each	0	$ -							**$ -**	
Court Reporter (Public Hearings & Transcription)	$ 100.00	Each	0	$ -							**$ -**	
Translator (English to Spanish or Sign Language)	$ 150.00	Each	0	$ -							**$ -**	
Public Involvement Facilty Rental	$ 500.00	Each	0	$ -							**$ -**	
Public Outreach Laison	$ 10,000.00	Month	0	$ -							**$ -**	
Accounting Support Services	$ 100.00	Each	480	$ 48,000.00							**$ 48,000.00**	
IT / Support Services for: ProjectWise, ROW & Utility Tool Site Operation, Constr. Field Offices	$ 80.00	Each	660	$ 52,800.00							**$ 52,800.00**	
Community Action Support (ROE/Landowner Coord/Utility Coord.)	$ 80.00	Each	0	$ -							**$ -**	
Management Support Services (OW Corridor/Toll Coord/Utility Coord.)	$ 90.00	Each	0	$ -							**$ -**	
TOTAL DIRECT EXPENSES				$ 200,000.00							**$ 200,000.00**	**$ 200,000.00**
PROGRAM MANAGEMENT CONSULTANT (SUBCONSULTANTS)												
BLANTON & ASSOCIATES, INC. - FC 120 (DBE)	**ENVIRONMENTAL SERVICES OVERSIGHT ASSISTANCE (SH 365 & IBTC)**										**$ -**	**0.00%**
ARANDA & ASSOCIATES, INC. - FC 130 (DBE)	**SURVEY/UTILITY OVERSIGHT ASSISTANCE (SH 365 & IBTC)**										**$ -**	**0.00%**
UNINTECH CONSULTING ENGINEERS (DBE)	**FLOODWAY BRIDGE REVIEW DURING PS&E (SH 365 & IBTC)**										**$ -**	**0.00%**
SUBTOTAL - PROGRAM MANAGEMENT CONSULTANT (SUBCONSULTANTS)											**$ -**	**$ -**
GRAND TOTAL (2016)												**$ 1,950,351.68**
											DBE UTILIZATION: $ -	**0.00%**

EXHIBIT D - FEE SCHEDULE / BUDGET
Work Authorization No. 9

Program Management Consultant services for:
Systemwide Management tasks for: cost and scheduling controls, toll integration, and coordination with HCRMA Staff / Stakeholders
Project Management tasks for: State Highway 365 (SH 365) and International Bridge Trade Corridor (IBTC) including ROW acquisition and utility relocations
Construction Management tasks for: State Highway 365 (SH 365) and International Bridge Trade Corridor (IBTC)

Prime: Dannenbaum Engineering Corporation ***Work Authorization No. 9***
Program Management Services for the HCRMA Roadway System ***Schedule Duration: 01/01/2017 to 12/31/2017***

PROGRAM MANAGEMENT SERVICES DESCRIPTION	Principal/ Program Manager	QA/QC Officer/ Independent Engineer Officer	Deputy Program Manager (Engineer VI)	Senior Engineer (Engineer V)	Project Engineer (Engineer IV)	Civil Engineer (Engineer III)	Senior Designer	Eng. Tech/CADD	Administrative Assistant	Total Labor Hrs.	Remarks	Task Cost
PROGRAM MANAGEMENT CONSULTANT SERVICES FOR: ***- SYSTEMWIDE MANAGEMENT TASKS FOR: COST AND SCHEDULING CONTROLS, TOLL INTEGRATION, AND COORDINATION WITH HCRMA STAFF / STAKEHOLDERS (52 MONTHS)*** ***- PROJECT MANAGEMENT TASKS FOR: STATE HIGHWAY 365 (SH 365) AND INTERNATIONAL BRIDGE TRADE CORRIDOR (IBTC) INCLUDING ROW ACQUISITION AND UTILITY RELOCATIONS (24 MONTHS)*** ***- CONSTRUCTION MANAGEMENT TASKS FOR: STATE HIGHWAY 365 (SH 365) (42 MONTHS) AND INTERNATIONAL BRIDGE TRADE CORRIDOR (IBTC) (30 MONTHS)***											**Prime: Dannenbaum Engineering Corporation** **2017**	
I. Program Management (incld. Design Management)												
PMC: Program Manager (30%)	624									624		$ 196,304.16
PMC: Deputy Project Manager (Varies)			0							0		$ -
PMC: QA/QC Officer (10%)		0								0		$ -
PMC: Senior Engineer (V) - Civil (Review)				0						0		$ -
PMC: Senior Engineer (V) - Bridge (Review)				0						0		$ -
PMC: Senior Engineer (V) - Hydro (Review)				0						0		$ -
PMC: Project Engineer IV - Project Coordination (100%)					2064					2064		$ 325,843.68
PMC: Senior Designer (Varies)							0			0		$ -
PMC: Civil Engineer III - Scheduler/Proj. Ctrls. (100%)						0				0		$ -
PMC: Civil Engineer III - Utility Engineer (100%)						0				0		$ -
PMC: Engineer I (100%)							0			0		$ -
PMC: Administrative Assistant / Doc. Control (100%)									0	0		$ -
PMC: Administrative Assistant (Varies)									0	0		$ -
Subtotal	**624**	**0**	**0**	**0**	**2064**	**0**	**0**	**0**	**0**	**2688**		**$ 522,147.84**
II. Construction Management												
PMC: Senior Construction Manager (100%)			2064							2064		$ 469,972.80
PMC: Construction Engineer (Civil) (100%)				2064						2064		$ 363,449.76
PMC: Const. Field Engineer - Scheduler/Proj. Ctrls. (100%)						2064				2064		$ 269,455.20
PMC: Const. Field Engineer - Asst. Constr. Eng. (0%)						0				0		$ -
PMC: Administrative Assistant / Doc. Control (100%)									2064	2064		$ 125,326.08
Subtotal	**0**	**0**	**2064**	**2064**	**0**	**2064**	**0**	**0**	**2064**	**8256**		**$ 1,228,203.84**
LABOR MANHOURS TOTAL	**624**	**0**	**2064**	**2064**	**2064**	**2064**	**0**	**0**	**2064**	**10,944**	**CHECK (MHRs):**	
LABOR RATE PER HOUR	$ 314.59	$ 292.49	$ 227.70	$ 176.09	$ 157.87	$ 130.55	$ 97.15	$ 66.79	$ 60.72		**10,944**	
TOTAL DIRECT LABOR COSTS	$ 196,304.16	$ -	$ 469,972.80	$ 363,449.76	$ 325,843.68	$ 269,455.20	$ -	$ -	$ 125,326.08	$ 1,750,351.68		
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON FEE)	**11.2%**	**0.0%**	**26.9%**	**20.8%**	**18.6%**	**15.4%**	**0.0%**	**0.0%**	**7.2%**	**100.00%**	**CHECK (LABOR):**	
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON MANHOURS)	**5.7%**	**0.0%**	**18.9%**	**18.9%**	**18.9%**	**18.9%**	**0.0%**	**0.0%**	**18.9%**	**100.00%**	**$ 1,750,351.68**	
PERCENT LABOR UTILIZATION PER MONTH @ 170 MHR/MO (LABOR HOURS / 12 MO / 170 MHR/MO)	**30.6%**	**0.0%**	**101.2%**	**101.2%**	**101.2%**	**101.2%**	**0.0%**	**0.0%**	**101.2%**			
TOTAL DIRECT LABOR COST												**$ 1,750,351.68**

EXHIBIT D - FEE SCHEDULE / BUDGET
Work Authorization No. 9

Program Management Consultant services for:
Systemwide Management tasks for: cost and scheduling controls, toll integration, and coordination with HCRMA Staff / Stakeholders
Project Management tasks for: State Highway 365 (SH 365) and International Bridge Trade Corridor (IBTC) including ROW acquisition and utility relocations
Construction Management tasks for: State Highway 365 (SH 365) and International Bridge Trade Corridor (IBTC)

Prime: Dannenbaum Engineering Corporation ***Work Authorization No. 9***
Program Management Services for the HCRMA Roadway System ***Schedule Duration: 01/01/2017 to 12/31/2017***

PROGRAM MANAGEMENT SERVICES DESCRIPTION	Principal/ Program Manager	QA/QC Officer/ Independent Engineer Officer	Deputy Program Manager (Engineer VI)	Senior Engineer (Engineer V)	Project Engineer (Engineer IV)	Civil Engineer (Engineer III)	Senior Designer	Eng. Tech/CADD	Administrative Assistant	Total Labor Hrs.	Remarks	Task Cost
DIRECT EXPENSES	**Rate**	**Unit**	**Amount**	**Total**								
Lodging / Hotel ($100.00 / DAY)	$ 100.00	Each	72	$ 7,200.00							**$ 7,200.00**	
Meals ($30.00 / DAY)	$ 30.00	Each	72	$ 2,160.00							**$ 2,160.00**	
Rental Car	$ 90.00	Each	48	$ 4,320.00							**$ 4,320.00**	
Air Travel	$ 500.00	Each	12	$ 6,000.00							**$ 6,000.00**	
Parking	$ 14.00	Each	80	$ 1,120.00							**$ 1,120.00**	
Overnight Mail - letter size	$ 50.00	Each	420	$ 21,000.00							**$ 21,000.00**	
Courier Services	$ 50.00	Each	420	$ 21,000.00							**$ 21,000.00**	
Photocopies B/W (8.5 X 11)	$ 0.10	Each	22,560	$ 2,256.00							**$ 2,256.00**	
Photocopies B/W (11 X 17)	$ 0.20	Each	14,000	$ 2,800.00							**$ 2,800.00**	
Photocopies Color (8.5 X 11)	$ 0.70	Each	16,920	$ 11,844.00							**$ 11,844.00**	
Photocopies Color (11 X 17)	$ 1.25	Each	14,000	$ 17,500.00							**$ 17,500.00**	
Color Graphics on Foam Board	$ 5.00	Each	400	$ 2,000.00							**$ 2,000.00**	
Newspaper Advertisement	$ 3,000.00	Each	0	$ -							**$ -**	
Court Reporter (Public Hearings & Transcription)	$ 100.00	Each	0	$ -							**$ -**	
Translator (English to Spanish or Sign Language)	$ 150.00	Each	0	$ -							**$ -**	
Public Involvement Facilty Rental	$ 500.00	Each	0	$ -							**$ -**	
Public Outreach Laison	$ 10,000.00	Month	0	$ -							**$ -**	
Accounting Support Services	$ 100.00	Each	480	$ 48,000.00							**$ 48,000.00**	
IT / Support Services for: ProjectWise, ROW & Utility Tool Site Operation, Constr. Field Offices	$ 80.00	Each	660	$ 52,800.00							**$ 52,800.00**	
Community Action Support (ROE/Landowner Coord/Utility Coord.)	$ 80.00	Each	0	$ -							**$ -**	
Management Support Services (OW Corridor/Toll Coord/Utility Coord.)	$ 90.00	Each	0	$ -							**$ -**	
TOTAL DIRECT EXPENSES				$ 200,000.00							**$ 200,000.00**	**$ 200,000.00**
PROGRAM MANAGEMENT CONSULTANT (SUBCONSULTANTS)												
BLANTON & ASSOCIATES, INC. - FC 120 (DBE)	**ENVIRONMENTAL SERVICES OVERSIGHT ASSISTANCE (SH 365 & IBTC)**										**$ -**	**0.00%**
ARANDA & ASSOCIATES, INC. - FC 130 (DBE)	**SURVEY/UTILITY OVERSIGHT ASSISTANCE (SH 365 & IBTC)**										**$ -**	**0.00%**
UNINTECH CONSULTING ENGINEERS (DBE)	**FLOODWAY BRIDGE REVIEW DURING PS&E (SH 365 & IBTC)**										**$ -**	**0.00%**
SUBTOTAL - PROGRAM MANAGEMENT CONSULTANT (SUBCONSULTANTS)											**$ -**	**$ -**
GRAND TOTAL (2017)												**$ 1,950,351.68**
											DBE UTILIZATION: $ -	**0.00%**

EXHIBIT D - FEE SCHEDULE / BUDGET
Work Authorization No. 9

Program Management Consultant services for:
Systemwide Management tasks for: cost and scheduling controls, toll integration, and coordination with HCRMA Staff / Stakeholders
Project Management tasks for: State Highway 365 (SH 365) and International Bridge Trade Corridor (IBTC) including ROW acquisition and utility relocations
Construction Management tasks for: State Highway 365 (SH 365) and International Bridge Trade Corridor (IBTC)

Prime: Dannenbaum Engineering Corporation ***Work Authorization No. 9***
Program Management Services for the HCRMA Roadway System ***Schedule Duration: 01/01/2018 to 06/30/2018***

PROGRAM MANAGEMENT SERVICES DESCRIPTION	Principal/ Program Manager	QA/QC Officer/ Independent Engineer Officer	Deputy Program Manager (Engineer VI)	Senior Engineer (Engineer V)	Project Engineer (Engineer IV)	Civil Engineer (Engineer III)	Senior Designer	Eng. Tech/CADD	Administrative Assistant	Total Labor Hrs.	Remarks	Task Cost
PROGRAM MANAGEMENT CONSULTANT SERVICES FOR: ***- SYSTEMWIDE MANAGEMENT TASKS FOR: COST AND SCHEDULING CONTROLS, TOLL INTEGRATION, AND COORDINATION WITH HCRMA STAFF / STAKEHOLDERS (52 MONTHS)*** ***- PROJECT MANAGEMENT TASKS FOR: STATE HIGHWAY 365 (SH 365) AND INTERNATIONAL BRIDGE TRADE CORRIDOR (IBTC) INCLUDING ROW ACQUISITION AND UTILITY RELOCATIONS (24 MONTHS)*** ***- CONSTRUCTION MANAGEMENT TASKS FOR: STATE HIGHWAY 365 (SH 365) (42 MONTHS) AND INTERNATIONAL BRIDGE TRADE CORRIDOR (IBTC) (30 MONTHS)***											**Prime: Dannenbaum Engineering Corporation** **2018**	
I. Program Management (incld. Design Management)												
PMC: Program Manager (30%)	312									312		$ 98,152.08
PMC: Deputy Project Manager (Varies)			0							0		$ -
PMC: QA/QC Officer (10%)		0								0		$ -
PMC: Senior Engineer (V) - Civil (Review)				0						0		$ -
PMC: Senior Engineer (V) - Bridge (Review)				0						0		$ -
PMC: Senior Engineer (V) - Hydro (Review)				0						0		$ -
PMC: Project Engineer IV - Project Coordination (100%)					1032					1032		$ 162,921.84
PMC: Senior Designer (Varies)							0			0		$ -
PMC: Civil Engineer III - Scheduler/Proj. Ctrls. (100%)						0				0		$ -
PMC: Civil Engineer III - Utility Engineer (100%)						0				0		$ -
PMC: Engineer I (100%)							0			0		$ -
PMC: Administrative Assistant / Doc. Control (100%)									0	0		$ -
PMC: Administrative Assistant (Varies)									0	0		$ -
Subtotal	**312**	**0**	**0**	**0**	**1032**	**0**	**0**	**0**	**0**	**1344**		**$ 261,073.92**
II. Construction Management												
PMC: Senior Construction Manager (100%)			1032							1032		$ 234,986.40
PMC: Construction Engineer (Civil) (100%)				1032						1032		$ 181,724.88
PMC: Const. Field Engineer - Scheduler/Proj. Ctrls. (100%)						1032				1032		$ 134,727.60
PMC: Const. Field Engineer - Asst. Constr. Eng. (0%)						0				0		$ -
PMC: Administrative Assistant / Doc. Control (100%)									1032	1032		$ 62,663.04
Subtotal	**0**	**0**	**1032**	**1032**	**0**	**1032**	**0**	**0**	**1032**	**4128**		**$ 614,101.92**
LABOR MANHOURS TOTAL	**312**	**0**	**1032**	**1032**	**1032**	**1032**	**0**	**0**	**1032**	**5,472**	**CHECK (MHRs):**	
LABOR RATE PER HOUR	$ 314.59	$ 292.49	$ 227.70	$ 176.09	$ 157.87	$ 130.55	$ 97.15	$ 66.79	$ 60.72		**5,472**	
TOTAL DIRECT LABOR COSTS	$ 98,152.08	$ -	$ 234,986.40	$ 181,724.88	$ 162,921.84	$ 134,727.60	$ -	$ -	$ 62,663.04	$ 875,175.84		
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON FEE)	**11.2%**	**0.0%**	**26.9%**	**20.8%**	**18.6%**	**15.4%**	**0.0%**	**0.0%**	**7.2%**	**100.00%**	**CHECK (LABOR):**	
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON MANHOURS)	**5.7%**	**0.0%**	**18.9%**	**18.9%**	**18.9%**	**18.9%**	**0.0%**	**0.0%**	**18.9%**	**100.00%**	**$ 875,175.84**	
PERCENT LABOR UTILIZATION PER MONTH @ 170 MHR/MO (LABOR HOURS / 12 MO / 170 MHR/MO)	**15.3%**	**0.0%**	**50.6%**	**50.6%**	**50.6%**	**50.6%**	**0.0%**	**0.0%**	**50.6%**			
TOTAL DIRECT LABOR COST												**$ 875,175.84**

EXHIBIT D - FEE SCHEDULE / BUDGET
Work Authorization No. 9

Program Management Consultant services for:
Systemwide Management tasks for: cost and scheduling controls, toll integration, and coordination with HCRMA Staff / Stakeholders
Project Management tasks for: State Highway 365 (SH 365) and International Bridge Trade Corridor (IBTC) including ROW acquisition and utility relocations
Construction Management tasks for: State Highway 365 (SH 365) and International Bridge Trade Corridor (IBTC)

Prime: Dannenbaum Engineering Corporation ***Work Authorization No. 9***
Program Management Services for the HCRMA Roadway System ***Schedule Duration: 01/01/2018 to 06/30/2018***

PROGRAM MANAGEMENT SERVICES DESCRIPTION	Principal/ Program Manager	QA/QC Officer/ Independent Engineer Officer	Deputy Program Manager (Engineer VI)	Senior Engineer (Engineer V)	Project Engineer (Engineer IV)	Civil Engineer (Engineer III)	Senior Designer	Eng. Tech/CADD	Administrative Assistant	Total Labor Hrs.	Remarks	Task Cost
DIRECT EXPENSES	**Rate**	**Unit**	**Amount**	**Total**								
Lodging / Hotel ($100.00 / DAY)	$ 100.00	Each	36	$ 3,600.00							**$ 3,600.00**	
Meals ($30.00 / DAY)	$ 30.00	Each	36	$ 1,080.00							**$ 1,080.00**	
Rental Car	$ 90.00	Each	24	$ 2,160.00							**$ 2,160.00**	
Air Travel	$ 500.00	Each	6	$ 3,000.00							**$ 3,000.00**	
Parking	$ 14.00	Each	40	$ 560.00							**$ 560.00**	
Overnight Mail - letter size	$ 50.00	Each	210	$ 10,500.00							**$ 10,500.00**	
Courier Services	$ 50.00	Each	210	$ 10,500.00							**$ 10,500.00**	
Photocopies B/W (8.5 X 11)	$ 0.10	Each	11,284	$ 1,128.40							**$ 1,128.40**	
Photocopies B/W (11 X 17)	$ 0.20	Each	7,000	$ 1,400.00							**$ 1,400.00**	
Photocopies Color (8.5 X 11)	$ 0.70	Each	8,888	$ 6,221.60							**$ 6,221.60**	
Photocopies Color (11 X 17)	$ 1.25	Each	7,000	$ 8,750.00							**$ 8,750.00**	
Color Graphics on Foam Board	$ 5.00	Each	140	$ 700.00							**$ 700.00**	
Newspaper Advertisement	$ 3,000.00	Each	0	$ -							**$ -**	
Court Reporter (Public Hearings & Transcription)	$ 100.00	Each	0	$ -							**$ -**	
Translator (English to Spanish or Sign Language)	$ 150.00	Each	0	$ -							**$ -**	
Public Involvement Facilty Rental	$ 500.00	Each	0	$ -							**$ -**	
Public Outreach Laison	$ 10,000.00	Month	0	$ -							**$ -**	
Accounting Support Services	$ 100.00	Each	240	$ 24,000.00							**$ 24,000.00**	
IT / Support Services for: ProjectWise, ROW & Utility Tool Site Operation, Constr. Field Offices	$ 80.00	Each	330	$ 26,400.00							**$ 26,400.00**	
Community Action Support (ROE/Landowner Coord/Utility Coord.)	$ 80.00	Each	0	$ -							**$ -**	
Management Support Services (OW Corridor/Toll Coord/Utility Coord.)	$ 90.00	Each	0	$ -							**$ -**	
TOTAL DIRECT EXPENSES				$ 100,000.00							**$ 100,000.00**	**$ 100,000.00**
PROGRAM MANAGEMENT CONSULTANT (SUBCONSULTANTS)												
BLANTON & ASSOCIATES, INC. - FC 120 (DBE)	**ENVIRONMENTAL SERVICES OVERSIGHT ASSISTANCE (SH 365 & IBTC)**										**$ -**	**0.00%**
ARANDA & ASSOCIATES, INC. - FC 130 (DBE)	**SURVEY/UTILITY OVERSIGHT ASSISTANCE (SH 365 & IBTC)**										**$ -**	**0.00%**
UNINTECH CONSULTING ENGINEERS (DBE)	**FLOODWAY BRIDGE REVIEW DURING PS&E (SH 365 & IBTC)**										**$ -**	**0.00%**
SUBTOTAL - PROGRAM MANAGEMENT CONSULTANT (SUBCONSULTANTS)											**$ -**	**$ -**
GRAND TOTAL (2018)												**$ 975,175.84**
											DBE UTILIZATION: $ -	**0.00%**

Supporting detail for Exhibit D Fee Schedule / Budget

	STAFFING FOR SH 365 (SEGS. 1-4) + IBTC (SEGS. 1-3)	Hourly Rate (Raw)	Hourly Rate (Loaded)	2014 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2014 Total Hours	2014 Subtotal
I.	**Program Management (incld. Design Management)**																
01	PMC: Program Manager (30%)	*$ 103.62*	*$ 314.59*			52	52	52	52	52	52	52	52	52	52	520	$ 163,587
02	PMC: Deputy Project Manager (Varies)	*$ 75.00*	*$ 227.70*			136	136	136	136	136	136	136	136	136	136	1360	$ 309,672
03	PMC: QA/QC Officer (10%)	*$ 96.34*	*$ 292.49*			18	18	18	18	18	18	18	18	18	18	180	$ 52,648
04	PMC: Senior Engineer (V) - Civil (Review)	*$ 58.00*	*$ 176.09*			0	16	60	160	24	0	240	0	180	0	680	$ 119,741
05	PMC: Senior Engineer (V) - Bridge (Review)	*$ 58.00*	*$ 176.09*			0	16	60	160	24	0	240	0	180	0	680	$ 119,741
06	PMC: Senior Engineer (V) - Hydro (Review)	*$ 58.00*	*$ 176.09*			0	34	56	56	16	24	24	0	56	0	266	$ 46,840
07	PMC: Project Engineer IV - Project Coordination (100%)	*$ 52.00*	*$ 157.87*			172	172	172	172	172	172	172	172	172	172	1720	$ 271,536
08	PMC: Senior Designer (Varies)	*$ 32.00*	*$ 97.15*			172	172	172	172	172	172	172	172	172	172	1720	$ 167,098
09	PMC: Civil Engineer III - Scheduler/Proj. Ctrls. (100%)	*$ 43.00*	*$ 130.55*			172	172	172	172	172	172	172	172	172	172	1720	$ 224,546
10	PMC: Civil Engineer III - Utility Engineer (100%)	*$ 43.00*	*$ 130.55*			0	172	172	172	172	172	172	172	172	172	1548	$ 202,091
11	PMC: Engineer I (100%)	*$ 32.00*	*$ 97.15*			0	0	172	172	172	172	172	172	172	172	1376	$ 133,678
12	PMC: Administrative Assistant / Doc. Control (100%)	*$ 20.00*	*$ 60.72*			172	172	172	172	172	172	172	172	172	172	1720	$ 104,438
13	PMC: Administrative Assistant (Varies)	*$ 20.00*	*$ 60.72*			80	80	80	80	80	80	80	80	80	80	800	$ 48,576
14	PMC: Direct Expenses (accounting, IT, etc.)		*n/a*			$ 16,670	$ 16,670	$ 16,670	$ 16,670	$ 16,670	$ 16,670	$ 16,670	$ 16,670	$ 16,670	$ 16,670	n/a	$ 166,697
	Sub-total Program Management Prime:			***$ -***	***$ -***	***$ 134,210***	***$ 168,287***	***$ 204,366***	***$ 239,584***	***$ 184,644***	***$ 177,601***	***$ 262,124***	***$ 173,375***	***$ 246,628***	***$ 173,375***	***14290***	***$ 2,130,891***
01	Sub: Blanton - (Env. Coordinator)		*n/a*			$ 28,800	$ 28,800	$ 28,800	$ 28,800	$ 19,200	$ 19,200	$ 19,200	$ 22,400	$ 8,000	$ 8,000	n/a	$ 211,200
02	Sub: Aranda - (Survey/ROW Acq. Coord. & ROE/Landowner/Utility Coord.)		*n/a*			$ 46,670	$ 46,670	$ 46,670	$ 46,670	$ 30,200	$ 30,200	$ 30,200	$ 30,200	$ 30,200	$ 30,200	n/a	$ 367,880
03	Sub: C&M - (Investment T&R) (Future WA)		*n/a*			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	n/a	$ -
04	Sub: HDR (Not Utilized)		*n/a*			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	n/a	$ -
05	Sub: Unintech - (Floodway Br SH 365)		*n/a*			$ -	$ -	$ -	$ -	$ -	$ 10,000	$ 10,000	$ -	$ -	$ -	n/a	$ 20,000
06	Sub: Pathfinder (Government Liaison)		*n/a*			$ 15,000	$ 15,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	n/a	$ 110,000
07	Sub: George Ramon (OW Corridor/Toll Coord/Utility Coord.)		*n/a*			$ 15,600	$ 15,600	$ 15,600	$ 15,600	$ 15,600	$ 15,600	$ 15,600	$ 15,600	$ 15,600	$ 15,600	n/a	$ 156,000
	Sub-total Program Management Subs:			***$ -***	***$ -***	***$ 106,070***	***$ 106,070***	***$ 101,070***	***$ 101,070***	***$ 75,000***	***$ 85,000***	***$ 85,000***	***$ 78,200***	***$ 63,800***	***$ 63,800***	**n/a**	***$ 865,080***
	Total Program Management:			**$ -**	**$ -**	**$ 240,280**	**$ 274,357**	**$ 305,436**	**$ 340,654**	**$ 259,644**	**$ 262,601**	**$ 347,124**	**$ 251,575**	**$ 310,428**	**$ 237,175**	**14290**	**$ 2,995,971**
II.	**Construction Management**																
01	PMC: Senior Construction Manager (100%)	*$ 75.00*	*$ 227.70*			0	0	0	0	0	0	0	0	0	0	0	$ -
02	PMC: Construction Engineer (Civil) (100%)	*$ 58.00*	*$ 176.09*			0	0	0	0	0	0	0	0	0	0	0	$ -
03	PMC: Const. Field Engineer - Scheduler/Proj. Ctrls. (100%)	*$ 43.00*	*$ 130.55*			0	0	0	0	0	0	0	0	0	0	0	$ -
04	PMC: Const. Field Engineer - Asst. Constr. Eng. (0%)	*$ 43.00*	*$ 130.55*			0	0	0	0	0	0	0	0	0	0	0	$ -
05	PMC: Administrative Assistant / Doc. Control (100%)	*$ 20.00*	*$ 60.72*			0	0	0	0	0	0	0	0	0	0	0	$ -
	Sub-total Program Management Consultant:			***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***0***	***$ -***
01	HCRMA: Construction Engineer (100%)	*$ 58.00*	*$ 72.50*			0	0	0	0	0	0	0	0	0	172	172	$ 12,470
02	HCRMA: Administrative Assistant (100%)	*$ 20.00*	*$ 25.00*			0	0	0	0	0	0	0	0	0	172	172	$ 4,300
03	HCRMA: Inspection Team #1 SH 365 Seg 3 (2 Inspectors) (100%)	*$ 28.00*	*$ 35.00*			0	0	0	0	0	0	0	0	0	344	344	$ 12,040
04	HCRMA: Inspection Team #2 SH 365 Segs 1-4 (4 Inspectors) (100%)	*$ 28.00*	*$ 35.00*			0	0	0	0	0	0	0	0	0	0	0	$ -
05	HCRMA: Inspection Team #3 IBTC Segs 1-3 (4 Inspectors) (100%)	*$ 28.00*	*$ 35.00*			0	0	0	0	0	0	0	0	0	0	0	$ -
06	HCRMA: Inspection Team #1 Vehicle Allowance ($1,200/mo)		*n/a*			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,400	n/a	$ 2,400
07	HCRMA: Inspection Team #2 Vehicle Allowance ($1,200/mo)		*n/a*			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	n/a	$ -
08	HCRMA: Inspection Team #3 Vehicle Allowance ($1,200/mo)		*n/a*			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	n/a	$ -
	Sub-total HCRMA Staff:			***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ 31,210***	***688***	***$ 31,210***
	Total Construction Management:			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 31,210**	**688**	**$ 31,210**
	PMC SUBTOTAL (PM+CM)			***$ -***	***$ -***	***$ 240,280***	***$ 274,357***	***$ 305,436***	***$ 340,654***	***$ 259,644***	***$ 262,601***	***$ 347,124***	***$ 251,575***	***$ 310,428***	***$ 237,175***	***14290***	***$ 2,995,971***
	HCRMA STAFF SUBTOTAL (CM ONLY)			***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ 31,210***	***688***	***$ 31,210***
	GRAND TOTAL (PMC + HCRMA STAFF)			***$ -***	***$ -***	***$ 240,280***	***$ 274,357***	***$ 305,436***	***$ 340,654***	***$ 259,644***	***$ 262,601***	***$ 347,124***	***$ 251,575***	***$ 310,428***	***$ 268,385***	***14978***	***$ 3,027,181***

STAFFING FOR SH 365 (SEGS. 1-4) + IBTC (SEGS. 1-3)			2015													
	Hourly Rate (Raw)	*Hourly Rate (Loaded)*	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2015 Total Hours	**2015 Subtotal**
I. Program Management (incld. Design Management)																
01 PMC: Program Manager (30%)	*$ 103.62*	*$ 314.59*	52	52	52	52	52	52	52	52	52	52	52	52	624	$ 196,304
02 PMC: Deputy Project Manager (Varies)	*$ 75.00*	*$ 227.70*	136	112	112	112	112	112	112	112	112	112	112	112	1368	$ 311,494
03 PMC: QA/QC Officer (10%)	*$ 96.34*	*$ 292.49*	18	0	0	0	0	0	0	0	0	0	0	0	18	$ 5,265
04 PMC: Senior Engineer (V) - Civil (Review)	*$ 58.00*	*$ 176.09*	40	140	0	0	0	0	0	0	0	0	0	0	180	$ 31,696
05 PMC: Senior Engineer (V) - Bridge (Review)	*$ 58.00*	*$ 176.09*	40	140	0	0	0	0	0	0	0	0	0	0	180	$ 31,696
06 PMC: Senior Engineer (V) - Hydro (Review)	*$ 58.00*	*$ 176.09*	16	32	0	0	0	0	0	0	0	0	0	0	48	$ 8,452
07 PMC: Project Engineer IV - Project Coordination (100%)	*$ 52.00*	*$ 157.87*	172	172	172	172	172	172	172	172	172	172	172	172	2064	$ 325,844
08 PMC: Senior Designer (Varies)	*$ 32.00*	*$ 97.15*	172	172	86	86	86	86	86	86	86	86	86	86	1204	$ 116,969
09 PMC: Civil Engineer III - Scheduler/Proj. Ctrls. (100%)	*$ 43.00*	*$ 130.55*	172	172	172	172	172	172	172	172	172	172	172	172	2064	$ 269,455
10 PMC: Civil Engineer III - Utility Engineer (100%)	*$ 43.00*	*$ 130.55*	172	172	172	172	172	172	172	0	0	0	0	0	1204	$ 157,182
11 PMC: Engineer I (100%)	*$ 32.00*	*$ 97.15*	172	172	172	172	172	172	172	172	172	172	172	172	2064	$ 200,518
12 PMC: Administrative Assistant / Doc. Control (100%)	*$ 20.00*	*$ 60.72*	172	172	172	172	172	172	172	172	172	172	172	172	2064	$ 125,326
13 PMC: Administrative Assistant (Varies)	*$ 20.00*	*$ 60.72*	80	80	30	30	30	30	30	30	30	30	30	30	460	$ 27,931
14 PMC: Direct Expenses (accounting, IT, etc.)		*n/a*	$ 16,667	$ 16,667	$ 16,667	$ 16,667	$ 16,667	$ 16,667	$ 16,667	$ 16,667	$ 16,667	$ 16,667	$ 16,667	$ 16,667	n/a	$ 200,000
Sub-total Program Management Prime:			***$ 190,279***	***$ 217,585***	***$ 151,254***	***$ 151,254***	***$ 151,254***	***$ 151,254***	***$ 151,254***	***$ 128,799***	***$ 128,799***	***$ 128,799***	***$ 128,799***	***$ 128,799***	***13542***	***$ 2,008,132***
01 Sub: Blanton - (Env. Coordinator)		*n/a*	$ 8,000	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ -	$ -	$ -	$ -	$ -	$ -	$ -	n/a	$ 27,200
02 Sub: Aranda - (Survey/ROW Acq. Coord. & ROE/Landowner/Utility Coord.)		*n/a*	$ 12,400	$ 12,400	$ 12,400	$ 12,400	$ 12,400	$ 12,400	$ 12,400	$ 12,400	$ 12,400	$ 12,400	$ 8,000	$ -	n/a	$ 132,000
03 Sub: C&M - (Investment T&R) (Future WA)		*n/a*	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	n/a	$ -
04 Sub: HDR (Not Utilized)		*n/a*	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	n/a	$ -
05 Sub: Unintech - (Floodway Br SH 365)		*n/a*	$ 10,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	n/a	$ 10,000
06 Sub: Pathfinder (Government Liaison)		*n/a*	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	n/a	$ 120,000
07 Sub: George Ramon (OW Corridor/Toll Coord/Utility Coord.)		*n/a*	$ 15,600	$ 15,600	$ 15,600	$ 15,600	$ 15,600	$ 15,600	$ 15,600	$ 15,600	$ 15,600	$ 15,600	$ 15,600	$ -	n/a	$ 171,600
Sub-total Program Management Subs:			***$ 56,000***	***$ 42,800***	***$ 42,800***	***$ 42,800***	***$ 42,800***	***$ 38,000***	***$ 38,000***	***$ 38,000***	***$ 38,000***	***$ 38,000***	***$ 33,600***	***$ 10,000***	**n/a**	***$ 460,800***
Total Program Management:			**$ 246,279**	**$ 260,385**	**$ 194,054**	**$ 194,054**	**$ 194,054**	**$ 189,254**	**$ 189,254**	**$ 166,799**	**$ 166,799**	**$ 166,799**	**$ 162,399**	**$ 138,799**	**13542**	**$ 2,468,932**
II. Construction Management																
01 PMC: Senior Construction Manager (100%)	*$ 75.00*	*$ 227.70*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
02 PMC: Construction Engineer (Civil) (100%)	*$ 58.00*	*$ 176.09*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
03 PMC: Const. Field Engineer - Scheduler/Proj. Ctrls. (100%)	*$ 43.00*	*$ 130.55*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
04 PMC: Const. Field Engineer - Asst. Constr. Eng. (0%)	*$ 43.00*	*$ 130.55*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
05 PMC: Administrative Assistant / Doc. Control (100%)	*$ 20.00*	*$ 60.72*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
Sub-total Program Management Consultant:			***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***0***	***$ -***
01 HCRMA: Construction Engineer (100%)	*$ 58.00*	*$ 72.50*	172	172	172	172	172	172	172	172	172	172	172	172	2064	$ 149,640
02 HCRMA: Administrative Assistant (100%)	*$ 20.00*	*$ 25.00*	172	172	172	172	172	172	172	172	172	172	172	172	2064	$ 51,600
03 HCRMA: Inspection Team #1 SH 365 Seg 3 (2 Inspectors) (100%)	*$ 28.00*	*$ 35.00*	344	344	344	344	344	344	344	344	344	344	344	344	4128	$ 144,480
04 HCRMA: Inspection Team #2 SH 365 Segs 1-4 (4 Inspectors) (100%)	*$ 28.00*	*$ 35.00*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
05 HCRMA: Inspection Team #3 IBTC Segs 1-3 (4 Inspectors) (100%)	*$ 28.00*	*$ 35.00*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
06 HCRMA: Inspection Team #1 Vehicle Allowance ($1,200/mo)		*n/a*	$ 2,400	$ 2,400	$ 2,400	$ 2,400	$ 2,400	$ 2,400	$ 2,400	$ 2,400	$ 2,400	$ 2,400	$ 2,400	$ 2,400	n/a	$ 28,800
07 HCRMA: Inspection Team #2 Vehicle Allowance ($1,200/mo)		*n/a*	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	n/a	$ -
08 HCRMA: Inspection Team #3 Vehicle Allowance ($1,200/mo)		*n/a*	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	n/a	$ -
Sub-total HCRMA Staff:			***$ 31,210***	***$ 31,210***	***$ 31,210***	***$ 31,210***	***$ 31,210***	***$ 31,210***	***$ 31,210***	***$ 31,210***	***$ 31,210***	***$ 31,210***	***$ 31,210***	***$ 31,210***	***8256***	***$ 374,520***
Total Construction Management:			**$ 31,210**	**$ 31,210**	**$ 31,210**	**$ 31,210**	**$ 31,210**	**$ 31,210**	**$ 31,210**	**$ 31,210**	**$ 31,210**	**$ 31,210**	**$ 31,210**	**$ 31,210**	**8256**	**$ 374,520**
PMC SUBTOTAL (PM+CM)			**$ 246,279**	**$ 260,385**	**$ 194,054**	**$ 194,054**	**$ 194,054**	**$ 189,254**	**$ 189,254**	**$ 166,799**	**$ 166,799**	**$ 166,799**	**$ 162,399**	**$ 138,799**	**13542**	**$ 2,468,932**
HCRMA STAFF SUBTOTAL (CM ONLY)			**$ 31,210**	**$ 31,210**	**$ 31,210**	**$ 31,210**	**$ 31,210**	**$ 31,210**	**$ 31,210**	**$ 31,210**	**$ 31,210**	**$ 31,210**	**$ 31,210**	**$ 31,210**	**8256**	**$ 374,520**
GRAND TOTAL (PMC + HCRMA STAFF)			**$ 277,489**	**$ 291,595**	**$ 225,264**	**$ 225,264**	**$ 225,264**	**$ 220,464**	**$ 220,464**	**$ 198,009**	**$ 198,009**	**$ 198,009**	**$ 193,609**	**$ 170,009**	**21798**	**$ 2,843,452**

STAFFING FOR SH 365 (SEGS. 1-4) + IBTC (SEGS. 1-3)			2016													
	Hourly Rate (Raw)	*Hourly Rate (Loaded)*	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2016 Total Hours	**2016 Subtotal**
I. Program Management (incld. Design Management)																
01 PMC: Program Manager (30%)	*$ 103.62*	*$ 314.59*	52	52	52	52	52	52	52	52	52	52	52	52	624	$ 196,304
02 PMC: Deputy Project Manager (Varies)	*$ 75.00*	*$ 227.70*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
03 PMC: QA/QC Officer (10%)	*$ 96.34*	*$ 292.49*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
04 PMC: Senior Engineer (V) - Civil (Review)	*$ 58.00*	*$ 176.09*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
05 PMC: Senior Engineer (V) - Bridge (Review)	*$ 58.00*	*$ 176.09*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
06 PMC: Senior Engineer (V) - Hydro (Review)	*$ 58.00*	*$ 176.09*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
07 PMC: Project Engineer IV - Project Coordination (100%)	*$ 52.00*	*$ 157.87*	172	172	172	172	172	172	172	172	172	172	172	172	2064	$ 325,844
08 PMC: Senior Designer (Varies)	*$ 32.00*	*$ 97.15*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
09 PMC: Civil Engineer III - Scheduler/Proj. Ctrls. (100%)	*$ 43.00*	*$ 130.55*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
10 PMC: Civil Engineer III - Utility Engineer (100%)	*$ 43.00*	*$ 130.55*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
11 PMC: Engineer I (100%)	*$ 32.00*	*$ 97.15*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
12 PMC: Administrative Assistant / Doc. Control (100%)	*$ 20.00*	*$ 60.72*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
13 PMC: Administrative Assistant (Varies)	*$ 20.00*	*$ 60.72*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
14 PMC: Direct Expenses (accounting, IT, etc.)		*n/a*	$ 16,667	$ 16,667	$ 16,667	$ 16,667	$ 16,667	$ 16,667	$ 16,667	$ 16,667	$ 16,667	$ 16,667	$ 16,667	$ 16,667	n/a	$ 200,000
Sub-total Program Management Prime:			***$ 43,512***	***$ 43,512***	***$ 43,512***	***$ 43,512***	***$ 43,512***	***$ 43,512***	***$ 43,512***	***$ 43,512***	***$ 43,512***	***$ 43,512***	***$ 43,512***	***$ 43,512***	***2688***	***$ 722,148***
01 Sub: Blanton - (Env. Coordinator)		*n/a*	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	n/a	$ -
02 Sub: Aranda - (Survey/ROW Acq. Coord. & ROE/Landowner/Utility Coord.)		*n/a*	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	n/a	$ -
03 Sub: C&M - (Investment T&R) (Future WA)		*n/a*	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	n/a	$ -
04 Sub: HDR (Not Utilized)		*n/a*	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	n/a	$ -
05 Sub: Unintech - (Floodway Br SH 365)		*n/a*	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	n/a	$ -
06 Sub: Pathfinder (Government Liaison)		*n/a*	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	n/a	$ -
07 Sub: George Ramon (OW Corridor/Toll Coord/Utility Coord.)		*n/a*	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	n/a	$ -
Sub-total Program Management Subs:			***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	**n/a**	***$ -***
Total Program Management:			**$ 43,512**	**$ 43,512**	**$ 43,512**	**$ 43,512**	**$ 43,512**	**$ 43,512**	**$ 43,512**	**$ 43,512**	**$ 43,512**	**$ 43,512**	**$ 43,512**	**$ 43,512**	**2688**	**$ 722,148**
II. Construction Management																
01 PMC: Senior Construction Manager (100%)	*$ 75.00*	*$ 227.70*	172	172	172	172	172	172	172	172	172	172	172	172	2064	$ 469,973
02 PMC: Construction Engineer (Civil) (100%)	*$ 58.00*	*$ 176.09*	172	172	172	172	172	172	172	172	172	172	172	172	2064	$ 363,450
03 PMC: Const. Field Engineer - Scheduler/Proj. Ctrls. (100%)	*$ 43.00*	*$ 130.55*	172	172	172	172	172	172	172	172	172	172	172	172	2064	$ 269,455
04 PMC: Const. Field Engineer - Asst. Constr. Eng. (0%)	*$ 43.00*	*$ 130.55*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
05 PMC: Administrative Assistant / Doc. Control (100%)	*$ 20.00*	*$ 60.72*	172	172	172	172	172	172	172	172	172	172	172	172	2064	$ 125,326
Sub-total Program Management Consultant:			***$ 102,350***	***$ 102,350***	***$ 102,350***	***$ 102,350***	***$ 102,350***	***$ 102,350***	***$ 102,350***	***$ 102,350***	***$ 102,350***	***$ 102,350***	***$ 102,350***	***$ 102,350***	***8256***	***$ 1,228,204***
01 HCRMA: Construction Engineer (100%)	*$ 58.00*	*$ 72.50*	172	172	172	172	172	172	172	172	172	172	172	172	2064	$ 149,640
02 HCRMA: Administrative Assistant (100%)	*$ 20.00*	*$ 25.00*	172	172	172	172	172	172	172	172	172	172	172	172	2064	$ 51,600
03 HCRMA: Inspection Team #1 SH 365 Seg 3 (2 Inspectors) (100%)	*$ 28.00*	*$ 35.00*	344	344	344	344	344	344	0	0	0	0	0	0	2064	$ 72,240
04 HCRMA: Inspection Team #2 SH 365 Segs 1-4 (4 Inspectors) (100%)	*$ 28.00*	*$ 35.00*	692	692	692	692	692	692	692	692	692	692	692	692	8304	$ 290,640
05 HCRMA: Inspection Team #3 IBTC Segs 1-3 (4 Inspectors) (100%)	*$ 28.00*	*$ 35.00*	692	692	692	692	692	692	692	692	692	692	692	692	8304	$ 290,640
06 HCRMA: Inspection Team #1 Vehicle Allowance ($1,200/mo)		*n/a*	$ 2,400	$ 2,400	$ 2,400	$ 2,400	$ 2,400	$ 2,400	$ -	$ -	$ -	$ -	$ -	$ -	n/a	$ 14,400
07 HCRMA: Inspection Team #2 Vehicle Allowance ($1,200/mo)		*n/a*	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	n/a	$ 57,600
08 HCRMA: Inspection Team #3 Vehicle Allowance ($1,200/mo)		*n/a*	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	n/a	$ 57,600
Sub-total HCRMA Staff:			***$ 89,250***	***$ 89,250***	***$ 89,250***	***$ 89,250***	***$ 89,250***	***$ 89,250***	***$ 74,810***	***$ 74,810***	***$ 74,810***	***$ 74,810***	***$ 74,810***	***$ 74,810***	***22800***	***$ 926,760***
Total Construction Management:			**$ 191,600**	**$ 191,600**	**$ 191,600**	**$ 191,600**	**$ 191,600**	**$ 191,600**	**$ 177,160**	**$ 177,160**	**$ 177,160**	**$ 177,160**	**$ 177,160**	**$ 177,160**	**31056**	**$ 2,154,964**
PMC SUBTOTAL (PM+CM)			**$ 145,863**	**$ 145,863**	**$ 145,863**	**$ 145,863**	**$ 145,863**	**$ 145,863**	**$ 145,863**	**$ 145,863**	**$ 145,863**	**$ 145,863**	**$ 145,863**	**$ 145,863**	**10944**	**$ 1,950,352**
HCRMA STAFF SUBTOTAL (CM ONLY)			**$ 89,250**	**$ 89,250**	**$ 89,250**	**$ 89,250**	**$ 89,250**	**$ 89,250**	**$ 74,810**	**$ 74,810**	**$ 74,810**	**$ 74,810**	**$ 74,810**	**$ 74,810**	**22800**	**$ 926,760**
GRAND TOTAL (PMC + HCRMA STAFF)			**$ 235,113**	**$ 235,113**	**$ 235,113**	**$ 235,113**	**$ 235,113**	**$ 235,113**	**$ 220,673**	**$ 220,673**	**$ 220,673**	**$ 220,673**	**$ 220,673**	**$ 220,673**	**33744**	**$ 2,877,112**

STAFFING FOR SH 365 (SEGS. 1-4) + IBTC (SEGS. 1-3)			2017													
	Hourly Rate (Raw)	*Hourly Rate (Loaded)*	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2017 Total Hours	**2017 Subtotal**
I. Program Management (incld. Design Management)																
01 PMC: Program Manager (30%)	*$ 103.62*	*$ 314.59*	52	52	52	52	52	52	52	52	52	52	52	52	624	$ 196,304
02 PMC: Deputy Project Manager (Varies)	*$ 75.00*	*$ 227.70*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
03 PMC: QA/QC Officer (10%)	*$ 96.34*	*$ 292.49*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
04 PMC: Senior Engineer (V) - Civil (Review)	*$ 58.00*	*$ 176.09*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
05 PMC: Senior Engineer (V) - Bridge (Review)	*$ 58.00*	*$ 176.09*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
06 PMC: Senior Engineer (V) - Hydro (Review)	*$ 58.00*	*$ 176.09*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
07 PMC: Project Engineer IV - Project Coordination (100%)	*$ 52.00*	*$ 157.87*	172	172	172	172	172	172	172	172	172	172	172	172	2064	$ 325,844
08 PMC: Senior Designer (Varies)	*$ 32.00*	*$ 97.15*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
09 PMC: Civil Engineer III - Scheduler/Proj. Ctrls. (100%)	*$ 43.00*	*$ 130.55*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
10 PMC: Civil Engineer III - Utility Engineer (100%)	*$ 43.00*	*$ 130.55*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
11 PMC: Engineer I (100%)	*$ 32.00*	*$ 97.15*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
12 PMC: Administrative Assistant / Doc. Control (100%)	*$ 20.00*	*$ 60.72*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
13 PMC: Administrative Assistant (Varies)	*$ 20.00*	*$ 60.72*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
14 PMC: Direct Expenses (accounting, IT, etc.)		*n/a*	$ 16,667	$ 16,667	$ 16,667	$ 16,667	$ 16,667	$ 16,667	$ 16,667	$ 16,667	$ 16,667	$ 16,667	$ 16,667	$ 16,667	n/a	$ 200,000
Sub-total Program Management Prime:			***$ 43,512***	***$ 43,512***	***$ 43,512***	***$ 43,512***	***$ 43,512***	***$ 43,512***	***$ 43,512***	***$ 43,512***	***$ 43,512***	***$ 43,512***	***$ 43,512***	***$ 43,512***	***2688***	***$ 722,148***
01 Sub: Blanton - (Env. Coordinator)		*n/a*	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	n/a	$ -
02 Sub: Aranda - (Survey/ROW Acq. Coord. & ROE/Landowner/Utility Coord.)		*n/a*	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	n/a	$ -
03 Sub: C&M - (Investment T&R) (Future WA)		*n/a*	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	n/a	$ -
04 Sub: HDR (Not Utilized)		*n/a*	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	n/a	$ -
05 Sub: Unintech - (Floodway Br SH 365)		*n/a*	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	n/a	$ -
06 Sub: Pathfinder (Government Liaison)		*n/a*	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	n/a	$ -
07 Sub: George Ramon (OW Corridor/Toll Coord/Utility Coord.)		*n/a*	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	n/a	$ -
Sub-total Program Management Subs:			***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***n/a***	***$ -***
Total Program Management:			**$ 43,512**	**$ 43,512**	**$ 43,512**	**$ 43,512**	**$ 43,512**	**$ 43,512**	**$ 43,512**	**$ 43,512**	**$ 43,512**	**$ 43,512**	**$ 43,512**	**$ 43,512**	**2688**	**$ 722,148**
II. Construction Management																
01 PMC: Senior Construction Manager (100%)	*$ 75.00*	*$ 227.70*	172	172	172	172	172	172	172	172	172	172	172	172	2064	$ 469,973
02 PMC: Construction Engineer (Civil) (100%)	*$ 58.00*	*$ 176.09*	172	172	172	172	172	172	172	172	172	172	172	172	2064	$ 363,450
03 PMC: Const. Field Engineer - Scheduler/Proj. Ctrls. (100%)	*$ 43.00*	*$ 130.55*	172	172	172	172	172	172	172	172	172	172	172	172	2064	$ 269,455
04 PMC: Const. Field Engineer - Asst. Constr. Eng. (0%)	*$ 43.00*	*$ 130.55*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
05 PMC: Administrative Assistant / Doc. Control (100%)	*$ 20.00*	*$ 60.72*	172	172	172	172	172	172	172	172	172	172	172	172	2064	$ 125,326
Sub-total Program Management Consultant:			***$ 102,350***	***$ 102,350***	***$ 102,350***	***$ 102,350***	***$ 102,350***	***$ 102,350***	***$ 102,350***	***$ 102,350***	***$ 102,350***	***$ 102,350***	***$ 102,350***	***$ 102,350***	***8256***	***$ 1,228,204***
01 HCRMA: Construction Engineer (100%)	*$ 58.00*	*$ 72.50*	172	172	172	172	172	172	172	172	172	172	172	172	2064	$ 149,640
02 HCRMA: Administrative Assistant (100%)	*$ 20.00*	*$ 25.00*	172	172	172	172	172	172	172	172	172	172	172	172	2064	$ 51,600
03 HCRMA: Inspection Team #1 SH 365 Seg 3 (2 Inspectors) (100%)	*$ 28.00*	*$ 35.00*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
04 HCRMA: Inspection Team #2 SH 365 Segs 1-4 (4 Inspectors) (100%)	*$ 28.00*	*$ 35.00*	692	692	692	692	692	692	692	692	692	692	692	692	8304	$ 290,640
05 HCRMA: Inspection Team #3 IBTC Segs 1-3 (4 Inspectors) (100%)	*$ 28.00*	*$ 35.00*	692	692	692	692	692	692	692	692	692	692	692	692	8304	$ 290,640
06 HCRMA: Inspection Team #1 Vehicle Allowance ($1,200/mo)		*n/a*	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	n/a	$ -
07 HCRMA: Inspection Team #2 Vehicle Allowance ($1,200/mo)		*n/a*	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	n/a	$ 57,600
08 HCRMA: Inspection Team #3 Vehicle Allowance ($1,200/mo)		*n/a*	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	n/a	$ 57,600
Sub-total HCRMA Staff:			***$ 74,810***	***$ 74,810***	***$ 74,810***	***$ 74,810***	***$ 74,810***	***$ 74,810***	***$ 74,810***	***$ 74,810***	***$ 74,810***	***$ 74,810***	***$ 74,810***	***$ 74,810***	***20736***	***$ 840,120***
Total Construction Management:			**$ 177,160**	**$ 177,160**	**$ 177,160**	**$ 177,160**	**$ 177,160**	**$ 177,160**	**$ 177,160**	**$ 177,160**	**$ 177,160**	**$ 177,160**	**$ 177,160**	**$ 177,160**	**28992**	**$ 2,068,324**
PMC SUBTOTAL (PM+CM)			**$ 145,863**	**$ 145,863**	**$ 145,863**	**$ 145,863**	**$ 145,863**	**$ 145,863**	**$ 145,863**	**$ 145,863**	**$ 145,863**	**$ 145,863**	**$ 145,863**	**$ 145,863**	**10944**	**$ 1,950,352**
HCRMA STAFF SUBTOTAL (CM ONLY)			**$ 74,810**	**$ 74,810**	**$ 74,810**	**$ 74,810**	**$ 74,810**	**$ 74,810**	**$ 74,810**	**$ 74,810**	**$ 74,810**	**$ 74,810**	**$ 74,810**	**$ 74,810**	**20736**	**$ 840,120**
GRAND TOTAL (PMC + HCRMA STAFF)			**$ 220,673**	**$ 220,673**	**$ 220,673**	**$ 220,673**	**$ 220,673**	**$ 220,673**	**$ 220,673**	**$ 220,673**	**$ 220,673**	**$ 220,673**	**$ 220,673**	**$ 220,673**	**31680**	**$ 2,790,472**

STAFFING FOR SH 365 (SEGS. 1-4) + IBTC (SEGS. 1-3)			2018													
	Hourly Rate (Raw)	*Hourly Rate (Loaded)*	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2018 Total Hours	**2018 Subtotal**
I. Program Management (incld. Design Management)																
01 PMC: Program Manager (30%)	*$ 103.62*	*$ 314.59*	52	52	52	52	52	52	0	0	0	0	0	0	312	$ 98,152
02 PMC: Deputy Project Manager (Varies)	*$ 75.00*	*$ 227.70*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
03 PMC: QA/QC Officer (10%)	*$ 96.34*	*$ 292.49*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
04 PMC: Senior Engineer (V) - Civil (Review)	*$ 58.00*	*$ 176.09*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
05 PMC: Senior Engineer (V) - Bridge (Review)	*$ 58.00*	*$ 176.09*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
06 PMC: Senior Engineer (V) - Hydro (Review)	*$ 58.00*	*$ 176.09*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
07 PMC: Project Engineer IV - Project Coordination (100%)	*$ 52.00*	*$ 157.87*	172	172	172	172	172	172	0	0	0	0	0	0	1032	$ 162,922
08 PMC: Senior Designer (Varies)	*$ 32.00*	*$ 97.15*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
09 PMC: Civil Engineer III - Scheduler/Proj. Ctrls. (100%)	*$ 43.00*	*$ 130.55*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
10 PMC: Civil Engineer III - Utility Engineer (100%)	*$ 43.00*	*$ 130.55*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
11 PMC: Engineer I (100%)	*$ 32.00*	*$ 97.15*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
12 PMC: Administrative Assistant / Doc. Control (100%)	*$ 20.00*	*$ 60.72*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
13 PMC: Administrative Assistant (Varies)	*$ 20.00*	*$ 60.72*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
14 PMC: Direct Expenses (accounting, IT, etc.)		*n/a*	$ 16,667	$ 16,667	$ 16,667	$ 16,667	$ 16,667	$ 16,667	$ -	$ -	$ -	$ -	$ -	$ -	n/a	$ 100,000
Sub-total Program Management Prime:			***$ 43,512***	***$ 43,512***	***$ 43,512***	***$ 43,512***	***$ 43,512***	***$ 43,512***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***1344***	***$ 361,074***
01 Sub: Blanton - (Env. Coordinator)		*n/a*	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	n/a	$ -
02 Sub: Aranda - (Survey/ROW Acq. Coord. & ROE/Landowner/Utility Coord.)		*n/a*	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	n/a	$ -
03 Sub: C&M - (Investment T&R) (Future WA)		*n/a*	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	n/a	$ -
04 Sub: HDR (Not Utilized)		*n/a*	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	n/a	$ -
05 Sub: Unintech - (Floodway Br SH 365)		*n/a*	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	n/a	$ -
06 Sub: Pathfinder (Government Liaison)		*n/a*	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	n/a	$ -
07 Sub: George Ramon (OW Corridor/Toll Coord/Utility Coord.)		*n/a*	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	n/a	$ -
Sub-total Program Management Subs:			***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***n/a***	***$ -***
Total Program Management:			**$ 43,512**	**$ 43,512**	**$ 43,512**	**$ 43,512**	**$ 43,512**	**$ 43,512**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**1344**	**$ 361,074**
II. Construction Management																
01 PMC: Senior Construction Manager (100%)	*$ 75.00*	$ 227.70	172	172	172	172	172	172	0	0	0	0	0	0	1032	$ 234,986
02 PMC: Construction Engineer (Civil) (100%)	*$ 58.00*	*$ 176.09*	172	172	172	172	172	172	0	0	0	0	0	0	1032	$ 181,725
03 PMC: Const. Field Engineer - Scheduler/Proj. Ctrls. (100%)	*$ 43.00*	*$ 130.55*	172	172	172	172	172	172	0	0	0	0	0	0	1032	$ 134,728
04 PMC: Const. Field Engineer - Asst. Constr. Eng. (0%)	*$ 43.00*	*$ 130.55*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
05 PMC: Administrative Assistant / Doc. Control (100%)	*$ 20.00*	*$ 60.72*	172	172	172	172	172	172	0	0	0	0	0	0	1032	$ 62,663
Sub-total Program Management Consultant:			***$ 102,350***	***$ 102,350***	***$ 102,350***	***$ 102,350***	***$ 102,350***	***$ 102,350***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***4128***	***$ 614,102***
01 HCRMA: Construction Engineer (100%)	*$ 58.00*	*$ 72.50*	172	172	172	172	172	172	0	0	0	0	0	0	1032	$ 74,820
02 HCRMA: Administrative Assistant (100%)	*$ 20.00*	*$ 25.00*	172	172	172	172	172	172	0	0	0	0	0	0	1032	$ 25,800
03 HCRMA: Inspection Team #1 SH 365 Seg 3 (2 Inspectors) (100%)	*$ 28.00*	*$ 35.00*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
04 HCRMA: Inspection Team #2 SH 365 Segs 1-4 (4 Inspectors) (100%)	*$ 28.00*	*$ 35.00*	692	692	692	692	692	692	0	0	0	0	0	0	4152	$ 145,320
05 HCRMA: Inspection Team #3 IBTC Segs 1-3 (4 Inspectors) (100%)	*$ 28.00*	*$ 35.00*	692	692	692	692	692	692	0	0	0	0	0	0	4152	$ 145,320
06 HCRMA: Inspection Team #1 Vehicle Allowance ($1,200/mo)		*n/a*	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	n/a	$ -
07 HCRMA: Inspection Team #2 Vehicle Allowance ($1,200/mo)		*n/a*	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ -	$ -	$ -	$ -	$ -	$ -	n/a	$ 28,800
08 HCRMA: Inspection Team #3 Vehicle Allowance ($1,200/mo)		*n/a*	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ -	$ -	$ -	$ -	$ -	$ -	n/a	$ 28,800
Sub-total HCRMA Staff:			***$ 74,810***	***$ 74,810***	***$ 74,810***	***$ 74,810***	***$ 74,810***	***$ 74,810***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***10368***	***$ 420,060***
Total Construction Management:			**$ 177,160**	**$ 177,160**	**$ 177,160**	**$ 177,160**	**$ 177,160**	**$ 177,160**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**14496**	**$ 1,034,162**
PMC SUBTOTAL (PM+CM)			***$ 145,863***	***$ 145,863***	***$ 145,863***	***$ 145,863***	***$ 145,863***	***$ 145,863***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***5472***	***$ 975,176***
HCRMA STAFF SUBTOTAL (CM ONLY)			***$ 74,810***	***$ 74,810***	***$ 74,810***	***$ 74,810***	***$ 74,810***	***$ 74,810***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***10368***	***$ 420,060***
GRAND TOTAL (PMC + HCRMA STAFF)			***$ 220,673***	***$ 220,673***	***$ 220,673***	***$ 220,673***	***$ 220,673***	***$ 220,673***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***15840***	***$ 1,395,236***

STAFFING FOR SH 365 (SEGMENTS 1 - 4)

2014

SH365-SEGS 1 -3 - Utility Relocation (start) / SH365 outfall by HCDD1 Design /R.O.W/Const. Start 3/1/14

SH365-SEG3 (30%) PS&E 3/27/14

SH365-SEGS 1&2 (30%) PS&E 4/20/14

SH365-SEG3 (60%) PS&E 5/20/14

SH365-SEG3 (90%) PS&E 7/1/14

SH365-SEG3 (100%) PS&E 7/20/14

SH365-SEGS 1&2 (60%) PS&E 8/20/14

SH365 ROW Mapping Complete 8/20/14

SH365-SEG3 Bid Phase Start 9/1/14

SH365-SEG3 Utility Relocation (100%) 10/1/14

SH365 FONSI 11/1/14
SH365 SEGS 1&2 90% PS&E 11/20/14

Investment T&R Start 12/1/14
SH365-SEG3 Construction

		Hourly Rate (Raw)	Hourly Rate (Loaded)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2014 Total Hours	2014 Subtotal
I.	**Program Management (incld. Design Management)**																
01	PMC: Program Manager (15%)	*$ 103.62*	*$ 314.59*			26	26	26	26	26	26	26	26	26	26	260	$ 81,793
02	PMC: Deputy Project Manager (Varies)	*$ 75.00*	*$ 227.70*			68	68	68	68	68	68	68	68	68	68	680	$ 154,836
03	PMC: QA/QC Officer (5%)	*$ 96.34*	*$ 292.49*			9	9	9	9	9	9	9	9	9	9	90	$ 26,324
04	PMC: Senior Engineer (V) - Civil (Review)	*$ 58.00*	*$ 176.09*			0	16	60	60	24	0	120	0	80	0	360	$ 63,392
05	PMC: Senior Engineer (V) - Bridge (Review)	*$ 58.00*	*$ 176.09*			0	16	60	60	24	0	120	0	80	0	360	$ 63,392
06	PMC: Senior Engineer (V) - Hydro (Review)	*$ 58.00*	*$ 176.09*			0	10	16	16	16	24	0	0	16	0	98	$ 17,257
07	PMC: Project Engineer IV - Project Coordination (50%)	*$ 52.00*	*$ 157.87*			86	86	86	86	86	86	86	86	86	86	860	$ 135,768
08	PMC: Senior Designer (Varies)	*$ 32.00*	*$ 97.15*			86	86	86	86	86	86	86	86	86	86	860	$ 83,549
09	PMC: Civil Engineer III - Scheduler/Proj. Ctrls. (50%)	*$ 43.00*	*$ 130.55*			172	86	86	86	86	86	86	86	86	86	946	$ 123,500
10	PMC: Civil Engineer III - Utility Engineer (50%)	*$ 43.00*	*$ 130.55*			0	172	86	86	86	86	86	86	86	86	860	$ 112,273
11	PMC: Engineer I (50%)	*$ 32.00*	*$ 97.15*			0	0	86	86	86	86	86	86	86	86	688	$ 66,839
12	PMC: Administrative Assistant / Doc. Control (50%)	*$ 20.00*	*$ 60.72*			86	86	86	86	86	86	86	86	86	86	860	$ 52,219
13	PMC: Administrative Assistant (Varies)	*$ 20.00*	*$ 60.72*			40	40	40	40	40	40	40	40	40	40	400	$ 24,288
14	PMC: Direct Expenses (accounting, IT, etc.)		*n/a*			$ 8,335	$ 8,335	$ 8,335	$ 8,335	$ 8,335	$ 8,335	$ 8,335	$ 8,335	$ 8,335	$ 8,335	n/a	$ 83,348
	Sub-total Program Management Prime:			***$ -***	***$ -***	***$ 78,332***	***$ 96,955***	***$ 110,636***	***$ 110,636***	***$ 97,957***	***$ 90,913***	***$ 128,949***	***$ 86,687***	***$ 117,679***	***$ 86,687***	***7322***	***$ 1,088,780***
01	Sub: Blanton - (Env. Coordinator)		*n/a*			$ 12,800	$ 12,800	$ 12,800	$ 12,800	$ 3,200	$ 3,200	$ 3,200	$ 6,400	$ -	$ -	n/a	$ 67,200
02	Sub: Aranda - (Survey/ROW Acq. Coord. & ROE/Landowner/Utility Coord.)		*n/a*			$ 30,670	$ 30,670	$ 30,670	$ 30,670	$ 14,200	$ 14,200	$ 14,200	$ 14,200	$ 14,200	$ 14,200	n/a	$ 207,880
03	Sub: C&M - (Investment T&R) (Future WA)		*n/a*													n/a	$ -
04	Sub: HDR (Not Utilized)		*n/a*												$ -	n/a	$ -
05	Sub: Unintech - (Floodway Br SH 365)		*n/a*			$ -	$ -	$ -	$ -	$ -	$ 5,000	$ 5,000	$ -	$ -	$ -	n/a	$ 10,000
06	Sub: Pathfinder (Government Liaison)		*n/a*			$ 7,500	$ 7,500	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	n/a	$ 55,000
07	Sub: George Ramon (OW Corridor/Toll Coord/Utility Coord.)		*n/a*			$ 7,800	$ 7,800	$ 7,800	$ 7,800	$ 7,800	$ 7,800	$ 7,800	$ 7,800	$ 7,800	$ 7,800	n/a	$ 78,000
	Sub-total Program Management Subs:			***$ -***	***$ -***	***$ 58,770***	***$ 58,770***	***$ 56,270***	***$ 56,270***	***$ 30,200***	***$ 35,200***	***$ 35,200***	***$ 33,400***	***$ 27,000***	***$ 27,000***	***n/a***	***$ 418,080***
	Total Program Management:			**$ -**	**$ -**	**$ 137,102**	**$ 155,725**	**$ 166,906**	**$ 166,906**	**$ 128,157**	**$ 126,113**	**$ 164,149**	**$ 120,087**	**$ 144,679**	**$ 113,687**	**7322**	**$ 1,506,860**
II.	**Construction Management**																
01	PMC: Senior Construction Manager (50%)	*$ 75.00*	*$ 227.70*													0	$ -
02	PMC: Construction Engineer (Civil) (50%)	*$ 58.00*	*$ 176.09*												0	0	$ -
03	PMC: Const. Field Engineer - Scheduler/Proj. Ctrls. (50%)	*$ 43.00*	*$ 130.55*													0	$ -
04	PMC: Const. Field Engineer - Asst. Constr. Eng. (0%)	*$ 43.00*	*$ 130.55*													0	$ -
05	PMC: Administrative Assistant / Doc. Control (50%)	*$ 20.00*	*$ 60.72*													0	$ -
	Sub-total Program Management Consultant:			***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***0***	***$ -***
01	HCRMA: Construction Engineer (50%)	*$ 58.00*	*$ 72.50*												172	172	$ 12,470
02	HCRMA: Administrative Assistant (50%)	*$ 20.00*	*$ 25.00*												172	172	$ 4,300
03	HCRMA: Inspection Team #1 SH 365 Seg 3 (2 Inspectors) (100%)	*$ 28.00*	*$ 35.00*												344	344	$ 12,040
04	HCRMA: Inspection Team #2 SH 365 Segs 1-4 (4 Inspectors) (100%)	*$ 28.00*	*$ 35.00*													0	$ -
05	HCRMA: Inspection Team #1 Vehicle Allowance ($1,200/mo)		*n/a*												$ 2,400	n/a	$ 2,400
06	HCRMA: Inspection Team #2 Vehicle Allowance ($1,200/mo)		*n/a*													n/a	$ -
	Sub-total HCRMA Staff:			***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ 31,210***	***688***	***$ 31,210***
	Total Construction Management:			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 31,210**	**688**	**$ 31,210**
	PMC SUBTOTAL (PM+CM)			**$ -**	**$ -**	**$ 137,102**	**$ 155,725**	**$ 166,906**	**$ 166,906**	**$ 128,157**	**$ 126,113**	**$ 164,149**	**$ 120,087**	**$ 144,679**	**$ 113,687**	**7322**	**$ 1,506,860**
	HCRMA STAFF SUBTOTAL (CM ONLY)			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 31,210**	**688**	**$ 31,210**
	GRAND TOTAL (PMC + HCRMA STAFF)			**$ -**	**$ -**	**$ 137,102**	**$ 155,725**	**$ 166,906**	**$ 166,906**	**$ 128,157**	**$ 126,113**	**$ 164,149**	**$ 120,087**	**$ 144,679**	**$ 144,897**	**8010**	**$ 1,538,070**

STAFFING FOR SH 365 (SEGMENTS 1 - 4)

		Hourly Rate (Raw)	Hourly Rate (Loaded)	2015 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2015 Total Hours	2015 Subtotal
					SH 365 PS&E (100%) SEGS 1&2 1/20/15					SH365 SEG1&2 R.O.W Acq (100%) 8/1/15	SH365 Bid Issue (start) 9/1/15	SH 365 Utility Reloc. (100%) SEGS 1&2 9/30/15			SH365 Const. (start) 12/30/15		
I.	**Program Management (incld. Design Management)**																
01	PMC: Program Manager (15%)	*$ 103.62*	*$ 314.59*	26	26	26	26	26	26	26	26	26	26	26	26	312	$ 98,152
02	PMC: Deputy Project Manager (Varies)	*$ 75.00*	*$ 227.70*	68	56	56	56	56	56	56	56	56	56	56	56	684	$ 155,747
03	PMC: QA/QC Officer (5%)	*$ 96.34*	*$ 292.49*	9	0											9	$ 2,632
04	PMC: Senior Engineer (V) - Civil (Review)	*$ 58.00*	*$ 176.09*	40	40											80	$ 14,087
05	PMC: Senior Engineer (V) - Bridge (Review)	*$ 58.00*	*$ 176.09*	40	40											80	$ 14,087
06	PMC: Senior Engineer (V) - Hydro (Review)	*$ 58.00*	*$ 176.09*	16	16											32	$ 5,635
07	PMC: Project Engineer IV - Project Coordination (50%)	*$ 52.00*	*$ 157.87*	86	86	86	86	86	86	86	86	86	86	86	86	1032	$ 162,922
08	PMC: Senior Designer (Varies)	*$ 32.00*	*$ 97.15*	86	86	43	43	43	43	43	43	43	43	43	43	602	$ 58,484
09	PMC: Civil Engineer III - Scheduler/Proj. Ctrls. (50%)	*$ 43.00*	*$ 130.55*	86	86	86	86	86	86	86	86	86	86	86	86	1032	$ 134,728
10	PMC: Civil Engineer III - Utility Engineer (50%)	*$ 43.00*	*$ 130.55*	86	86	86	86	86	86	86	0	0	0	0	0	602	$ 78,591
11	PMC: Engineer I (50%)	*$ 32.00*	*$ 97.15*	86	86	86	86	86	86	86	86	86	86	86	86	1032	$ 100,259
12	PMC: Administrative Assistant / Doc. Control (50%)	*$ 20.00*	*$ 60.72*	86	86	86	86	86	86	86	86	86	86	86	86	1032	$ 62,663
13	PMC: Administrative Assistant (Varies)	*$ 20.00*	*$ 60.72*	40	40	15	15	15	15	15	15	15	15	15	15	230	$ 13,966
14	PMC: Direct Expenses (accounting, IT, etc.)		*n/a*	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	n/a	$ 100,000
	Sub-total Program Management Prime:			***$ 103,592***	***$ 98,227***	***$ 75,627***	***$ 75,627***	***$ 75,627***	***$ 75,627***	***$ 75,627***	***$ 64,400***	***$ 64,400***	***$ 64,400***	***$ 64,400***	***$ 64,400***	***6759***	***$ 1,001,953***
01	Sub: Blanton - (Env. Coordinator)		*n/a*													n/a	$ -
02	Sub: Aranda - (Survey/ROW Acq. Coord. & ROE/Landowner/Utility Coord.)		*n/a*	$ 6,400	$ 6,400	$ 6,400	$ 6,400	$ 6,400	$ 6,400	$ 6,400	$ 6,400	$ 6,400	$ 6,400	$ 4,000	$ -	n/a	$ 68,000
03	Sub: C&M - (Investment T&R) (Future WA)		*n/a*													n/a	$ -
04	Sub: HDR (Not Utilized)		*n/a*													n/a	$ -
05	Sub: Unintech - (Floodway Br SH 365)		*n/a*	$ 5,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	n/a	$ 5,000
06	Sub: Pathfinder (Government Liaison)		*n/a*	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	n/a	$ 60,000
07	Sub: George Ramon (OW Corridor/Toll Coord/Utility Coord.)		*n/a*	$ 7,800	$ 7,800	$ 7,800	$ 7,800	$ 7,800	$ 7,800	$ 7,800	$ 7,800	$ 7,800	$ 7,800	$ 7,800	$ -	n/a	$ 85,800
	Sub-total Program Management Subs:			***$ 24,200***	***$ 19,200***	***$ 19,200***	***$ 19,200***	***$ 19,200***	***$ 19,200***	***$ 19,200***	***$ 19,200***	***$ 19,200***	***$ 19,200***	***$ 16,800***	***$ 5,000***	***n/a***	***$ 218,800***
	Total Program Management:			**$ 127,792**	**$ 117,427**	**$ 94,827**	**$ 94,827**	**$ 94,827**	**$ 94,827**	**$ 94,827**	**$ 83,600**	**$ 83,600**	**$ 83,600**	**$ 81,200**	**$ 69,400**	**6759**	**$ 1,220,753**
II.	**Construction Management**																
01	PMC: Senior Construction Manager (50%)	*$ 75.00*	$ 227.70													0	$ -
02	PMC: Construction Engineer (Civil) (50%)	*$ 58.00*	*$ 176.09*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
03	PMC: Const. Field Engineer - Scheduler/Proj. Ctrls. (50%)	*$ 43.00*	*$ 130.55*													0	$ -
04	PMC: Const. Field Engineer - Asst. Constr. Eng. (0%)	*$ 43.00*	*$ 130.55*													0	$ -
05	PMC: Administrative Assistant / Doc. Control (50%)	*$ 20.00*	*$ 60.72*													0	$ -
	Sub-total Program Management Consultant:			***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***0***	***$ -***
01	HCRMA: Construction Engineer (50%)	*$ 58.00*	*$ 72.50*	86	86	86	86	86	86	86	86	86	86	86	86	1032	$ 74,820
02	HCRMA: Administrative Assistant (50%)	*$ 20.00*	*$ 25.00*	86	86	86	86	86	86	86	86	86	86	86	86	1032	$ 25,800
03	HCRMA: Inspection Team #1 SH 365 Seg 3 (2 Inspectors) (100%)	*$ 28.00*	*$ 35.00*	344	344	344	344	344	344	344	344	344	344	344	344	4128	$ 144,480
04	HCRMA: Inspection Team #2 SH 365 Segs 1-4 (4 Inspectors) (100%)	*$ 28.00*	*$ 35.00*													0	$ -
05	HCRMA: Inspection Team #1 Vehicle Allowance ($1,200/mo)		*n/a*	$ 2,400	$ 2,400	$ 2,400	$ 2,400	$ 2,400	$ 2,400	$ 2,400	$ 2,400	$ 2,400	$ 2,400	$ 2,400	$ 2,400	n/a	$ 28,800
06	HCRMA: Inspection Team #2 Vehicle Allowance ($1,200/mo)		*n/a*													n/a	$ -
	Sub-total HCRMA Staff:			***$ 22,825***	***$ 22,825***	***$ 22,825***	***$ 22,825***	***$ 22,825***	***$ 22,825***	***$ 22,825***	***$ 22,825***	***$ 22,825***	***$ 22,825***	***$ 22,825***	***$ 22,825***	***6192***	***$ 273,900***
	Total Construction Management:			**$ 22,825**	**$ 22,825**	**$ 22,825**	**$ 22,825**	**$ 22,825**	**$ 22,825**	**$ 22,825**	**$ 22,825**	**$ 22,825**	**$ 22,825**	**$ 22,825**	**$ 22,825**	**6192**	**$ 273,900**
	PMC SUBTOTAL (PM+CM)			**$ 127,792**	**$ 117,427**	**$ 94,827**	**$ 94,827**	**$ 94,827**	**$ 94,827**	**$ 94,827**	**$ 83,600**	**$ 83,600**	**$ 83,600**	**$ 81,200**	**$ 69,400**	**6759**	**$ 1,220,753**
	HCRMA STAFF SUBTOTAL (CM ONLY)			**$ 22,825**	**$ 22,825**	**$ 22,825**	**$ 22,825**	**$ 22,825**	**$ 22,825**	**$ 22,825**	**$ 22,825**	**$ 22,825**	**$ 22,825**	**$ 22,825**	**$ 22,825**	**6192**	**$ 273,900**
	GRAND TOTAL (PMC + HCRMA STAFF)			**$ 150,617**	**$ 140,252**	**$ 117,652**	**$ 117,652**	**$ 117,652**	**$ 117,652**	**$ 117,652**	**$ 106,425**	**$ 106,425**	**$ 106,425**	**$ 104,025**	**$ 92,225**	**12951**	**$ 1,494,653**

			2016													
STAFFING FOR SH 365 (SEGMENTS 1 - 4)																
	Hourly Rate (Raw)	*Hourly Rate (Loaded)*	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2016 Total Hours	**2016 Subtotal**
I. Program Management (incld. Design Management)																
01 PMC: Program Manager (15%)	*$ 103.62*	*$ 314.59*	26	26	26	26	26	26	26	26	26	26	26	26	312	$ 98,152
02 PMC: Deputy Project Manager (Varies)	*$ 75.00*	*$ 227.70*													0	$ -
03 PMC: QA/QC Officer (5%)	*$ 96.34*	*$ 292.49*													0	$ -
04 PMC: Senior Engineer (V) - Civil (Review)	*$ 58.00*	*$ 176.09*													0	$ -
05 PMC: Senior Engineer (V) - Bridge (Review)	*$ 58.00*	*$ 176.09*													0	$ -
06 PMC: Senior Engineer (V) - Hydro (Review)	*$ 58.00*	*$ 176.09*													0	$ -
07 PMC: Project Engineer IV - Project Coordination (50%)	*$ 52.00*	*$ 157.87*	86	86	86	86	86	86	86	86	86	86	86	86	1032	$ 162,922
08 PMC: Senior Designer (Varies)	*$ 32.00*	*$ 97.15*													0	$ -
09 PMC: Civil Engineer III - Scheduler/Proj. Ctrls. (50%)	*$ 43.00*	*$ 130.55*													0	$ -
10 PMC: Civil Engineer III - Utility Engineer (50%)	*$ 43.00*	*$ 130.55*													0	$ -
11 PMC: Engineer I (50%)	*$ 32.00*	*$ 97.15*													0	$ -
12 PMC: Administrative Assistant / Doc. Control (50%)	*$ 20.00*	*$ 60.72*													0	$ -
13 PMC: Administrative Assistant (Varies)	*$ 20.00*	*$ 60.72*													0	$ -
14 PMC: Direct Expenses (accounting, IT, etc.)		*n/a*	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	n/a	$ 100,000
Sub-total Program Management Prime:			***$ 21,756***	***$ 21,756***	***$ 21,756***	***$ 21,756***	***$ 21,756***	***$ 21,756***	***$ 21,756***	***$ 21,756***	***$ 21,756***	***$ 21,756***	***$ 21,756***	***$ 21,756***	***1344***	***$ 361,074***
01 Sub: Blanton - (Env. Coordinator)		*n/a*													n/a	$ -
02 Sub: Aranda - (Survey/ROW Acq. Coord. & ROE/Landowner/Utility Coord.)		*n/a*													n/a	$ -
03 Sub: C&M - (Investment T&R) (Future WA)		*n/a*													n/a	$ -
04 Sub: HDR (Not Utilized)		*n/a*													n/a	$ -
05 Sub: Unintech - (Floodway Br SH 365)		*n/a*													n/a	$ -
06 Sub: Pathfinder (Government Liaison)		*n/a*													n/a	$ -
07 Sub: George Ramon (OW Corridor/Toll Coord/Utility Coord.)		*n/a*													n/a	$ -
Sub-total Program Management Subs:			***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***n/a***	***$ -***
Total Program Management:			**$ 21,756**	**$ 21,756**	**$ 21,756**	**$ 21,756**	**$ 21,756**	**$ 21,756**	**$ 21,756**	**$ 21,756**	**$ 21,756**	**$ 21,756**	**$ 21,756**	**$ 21,756**	**1344**	**$ 361,074**
II. Construction Management																
01 PMC: Senior Construction Manager (50%)	*$ 75.00*	*$ 227.70*	86	86	86	86	86	86	86	86	86	86	86	86	1032	$ 234,986
02 PMC: Construction Engineer (Civil) (50%)	*$ 58.00*	*$ 176.09*	86	86	86	86	86	86	86	86	86	86	86	86	1032	$ 181,725
03 PMC: Const. Field Engineer - Scheduler/Proj. Ctrls. (50%)	*$ 43.00*	*$ 130.55*	86	86	86	86	86	86	86	86	86	86	86	86	1032	$ 134,728
04 PMC: Const. Field Engineer - Asst. Constr. Eng. (0%)	*$ 43.00*	*$ 130.55*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
05 PMC: Administrative Assistant / Doc. Control (50%)	*$ 20.00*	*$ 60.72*	86	86	86	86	86	86	86	86	86	86	86	86	1032	$ 62,663
Sub-total Program Management Consultant:			***$ 51,175***	***$ 51,175***	***$ 51,175***	***$ 51,175***	***$ 51,175***	***$ 51,175***	***$ 51,175***	***$ 51,175***	***$ 51,175***	***$ 51,175***	***$ 51,175***	***$ 51,175***	***4128***	***$ 614,102***
01 HCRMA: Construction Engineer (50%)	*$ 58.00*	*$ 72.50*	86	86	86	86	86	86	86	86	86	86	86	86	1032	$ 74,820
02 HCRMA: Administrative Assistant (50%)	*$ 20.00*	*$ 25.00*	86	86	86	86	86	86	86	86	86	86	86	86	1032	$ 25,800
03 HCRMA: Inspection Team #1 SH 365 Seg 3 (2 Inspectors) (100%)	*$ 28.00*	*$ 35.00*	344	344	344	344	344	344	0	0	0	0	0	0	2064	$ 72,240
04 HCRMA: Inspection Team #2 SH 365 Segs 1-4 (4 Inspectors) (100%)	*$ 28.00*	*$ 35.00*	692	692	692	692	692	692	692	692	692	692	692	692	8304	$ 290,640
05 HCRMA: Inspection Team #1 Vehicle Allowance ($1,200/mo)		*n/a*	$ 2,400	$ 2,400	$ 2,400	$ 2,400	$ 2,400	$ 2,400	$ -	$ -	$ -	$ -	$ -	$ -	n/a	$ 14,400
06 HCRMA: Inspection Team #2 Vehicle Allowance ($1,200/mo)		*n/a*	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	n/a	$ 57,600
Sub-total HCRMA Staff:			***$ 51,845***	***$ 51,845***	***$ 51,845***	***$ 51,845***	***$ 51,845***	***$ 51,845***	***$ 37,405***	***$ 37,405***	***$ 37,405***	***$ 37,405***	***$ 37,405***	***$ 37,405***	***12432***	***$ 535,500***
Total Construction Management:			**$ 103,020**	**$ 103,020**	**$ 103,020**	**$ 103,020**	**$ 103,020**	**$ 103,020**	**$ 88,580**	**$ 88,580**	**$ 88,580**	**$ 88,580**	**$ 88,580**	**$ 88,580**	**16560**	**$ 1,149,602**
PMC SUBTOTAL (PM+CM)			**$ 72,931**	**$ 72,931**	**$ 72,931**	**$ 72,931**	**$ 72,931**	**$ 72,931**	**$ 72,931**	**$ 72,931**	**$ 72,931**	**$ 72,931**	**$ 72,931**	**$ 72,931**	**5472**	**$ 975,176**
HCRMA STAFF SUBTOTAL (CM ONLY)			**$ 51,845**	**$ 51,845**	**$ 51,845**	**$ 51,845**	**$ 51,845**	**$ 51,845**	**$ 37,405**	**$ 37,405**	**$ 37,405**	**$ 37,405**	**$ 37,405**	**$ 37,405**	**12432**	**$ 535,500**
GRAND TOTAL (PMC + HCRMA STAFF)			**$ 124,776**	**$ 124,776**	**$ 124,776**	**$ 124,776**	**$ 124,776**	**$ 124,776**	**$ 110,336**	**$ 110,336**	**$ 110,336**	**$ 110,336**	**$ 110,336**	**$ 110,336**	**17904**	**$ 1,510,676**

			2017													
STAFFING FOR SH 365 (SEGMENTS 1 - 4)																
	Hourly Rate (Raw)	*Hourly Rate (Loaded)*	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2017 Total Hours	**2017 Subtotal**
I. Program Management (incld. Design Management)																
01 PMC: Program Manager (15%)	*$ 103.62*	*$ 314.59*	26	26	26	26	26	26	26	26	26	26	26	26	312	$ 98,152
02 PMC: Deputy Project Manager (Varies)	*$ 75.00*	*$ 227.70*													0	$ -
03 PMC: QA/QC Officer (5%)	*$ 96.34*	*$ 292.49*													0	$ -
04 PMC: Senior Engineer (V) - Civil (Review)	*$ 58.00*	*$ 176.09*													0	$ -
05 PMC: Senior Engineer (V) - Bridge (Review)	*$ 58.00*	*$ 176.09*													0	$ -
06 PMC: Senior Engineer (V) - Hydro (Review)	*$ 58.00*	*$ 176.09*													0	$ -
07 PMC: Project Engineer IV - Project Coordination (50%)	*$ 52.00*	*$ 157.87*	86	86	86	86	86	86	86	86	86	86	86	86	1032	$ 162,922
08 PMC: Senior Designer (Varies)	*$ 32.00*	*$ 97.15*													0	$ -
09 PMC: Civil Engineer III - Scheduler/Proj. Ctrls. (50%)	*$ 43.00*	*$ 130.55*													0	$ -
10 PMC: Civil Engineer III - Utility Engineer (50%)	*$ 43.00*	*$ 130.55*													0	$ -
11 PMC: Engineer I (50%)	*$ 32.00*	*$ 97.15*													0	$ -
12 PMC: Administrative Assistant / Doc. Control (50%)	*$ 20.00*	*$ 60.72*													0	$ -
13 PMC: Administrative Assistant (Varies)	*$ 20.00*	*$ 60.72*													0	$ -
14 PMC: Direct Expenses (accounting, IT, etc.)		*n/a*	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	n/a	$ 100,000
Sub-total Program Management Prime:			***$ 21,756***	***$ 21,756***	***$ 21,756***	***$ 21,756***	***$ 21,756***	***$ 21,756***	***$ 21,756***	***$ 21,756***	***$ 21,756***	***$ 21,756***	***$ 21,756***	***$ 21,756***	***1344***	***$ 361,074***
01 Sub: Blanton - (Env. Coordinator)		*n/a*													n/a	$ -
02 Sub: Aranda - (Survey/ROW Acq. Coord. & ROE/Landowner/Utility Coord.)		*n/a*													n/a	$ -
03 Sub: C&M - (Investment T&R) (Future WA)		*n/a*													n/a	$ -
04 Sub: HDR (Not Utilized)		*n/a*													n/a	$ -
05 Sub: Unintech - (Floodway Br SH 365)		*n/a*													n/a	$ -
06 Sub: Pathfinder (Government Liaison)		*n/a*													n/a	$ -
07 Sub: George Ramon (OW Corridor/Toll Coord/Utility Coord.)		*n/a*													n/a	$ -
Sub-total Program Management Subs:			***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***n/a***	***$ -***
Total Program Management:			**$ 21,756**	**$ 21,756**	**$ 21,756**	**$ 21,756**	**$ 21,756**	**$ 21,756**	**$ 21,756**	**$ 21,756**	**$ 21,756**	**$ 21,756**	**$ 21,756**	**$ 21,756**	**1344**	**$ 361,074**
II. Construction Management																
01 PMC: Senior Construction Manager (50%)	*$ 75.00*	*$ 227.70*	86	86	86	86	86	86	86	86	86	86	86	86	1032	$ 234,986
02 PMC: Construction Engineer (Civil) (50%)	*$ 58.00*	*$ 176.09*	86	86	86	86	86	86	86	86	86	86	86	86	1032	$ 181,725
03 PMC: Const. Field Engineer - Scheduler/Proj. Ctrls. (50%)	*$ 43.00*	*$ 130.55*	86	86	86	86	86	86	86	86	86	86	86	86	1032	$ 134,728
04 PMC: Const. Field Engineer - Asst. Constr. Eng. (0%)	*$ 43.00*	*$ 130.55*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
05 PMC: Administrative Assistant / Doc. Control (50%)	*$ 20.00*	*$ 60.72*	86	86	86	86	86	86	86	86	86	86	86	86	1032	$ 62,663
Sub-total Program Management Consultant:			***$ 51,175***	***$ 51,175***	***$ 51,175***	***$ 51,175***	***$ 51,175***	***$ 51,175***	***$ 51,175***	***$ 51,175***	***$ 51,175***	***$ 51,175***	***$ 51,175***	***$ 51,175***	***4128***	***$ 614,102***
01 HCRMA: Construction Engineer (50%)	*$ 58.00*	*$ 72.50*	86	86	86	86	86	86	86	86	86	86	86	86	1032	$ 74,820
02 HCRMA: Administrative Assistant (50%)	*$ 20.00*	*$ 25.00*	86	86	86	86	86	86	86	86	86	86	86	86	1032	$ 25,800
03 HCRMA: Inspection Team #1 SH 365 Seg 3 (2 Inspectors) (100%)	*$ 28.00*	*$ 35.00*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
04 HCRMA: Inspection Team #2 SH 365 Segs 1-4 (4 Inspectors) (100%)	*$ 28.00*	*$ 35.00*	692	692	692	692	692	692	692	692	692	692	692	692	8304	$ 290,640
05 HCRMA: Inspection Team #1 Vehicle Allowance ($1,200/mo)		*n/a*	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	n/a	$ -
06 HCRMA: Inspection Team #2 Vehicle Allowance ($1,200/mo)		*n/a*	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	n/a	$ 57,600
Sub-total HCRMA Staff:			***$ 37,405***	***$ 37,405***	***$ 37,405***	***$ 37,405***	***$ 37,405***	***$ 37,405***	***$ 37,405***	***$ 37,405***	***$ 37,405***	***$ 37,405***	***$ 37,405***	***$ 37,405***	***10368***	***$ 448,860***
Total Construction Management:			**$ 88,580**	**$ 88,580**	**$ 88,580**	**$ 88,580**	**$ 88,580**	**$ 88,580**	**$ 88,580**	**$ 88,580**	**$ 88,580**	**$ 88,580**	**$ 88,580**	**$ 88,580**	**14496**	**$ 1,062,962**
PMC SUBTOTAL (PM+CM)			**$ 72,931**	**$ 72,931**	**$ 72,931**	**$ 72,931**	**$ 72,931**	**$ 72,931**	**$ 72,931**	**$ 72,931**	**$ 72,931**	**$ 72,931**	**$ 72,931**	**$ 72,931**	**5472**	**$ 975,176**
HCRMA STAFF SUBTOTAL (CM ONLY)			**$ 37,405**	**$ 37,405**	**$ 37,405**	**$ 37,405**	**$ 37,405**	**$ 37,405**	**$ 37,405**	**$ 37,405**	**$ 37,405**	**$ 37,405**	**$ 37,405**	**$ 37,405**	**10368**	**$ 448,860**
GRAND TOTAL (PMC + HCRMA STAFF)			**$ 110,336**	**$ 110,336**	**$ 110,336**	**$ 110,336**	**$ 110,336**	**$ 110,336**	**$ 110,336**	**$ 110,336**	**$ 110,336**	**$ 110,336**	**$ 110,336**	**$ 110,336**	**15840**	**$ 1,424,036**

STAFFING FOR SH 365 (SEGMENTS 1 - 4)

SH 365 Construction (100%) S&B/L&G 6/30/18

		Hourly Rate (Raw)	Hourly Rate (Loaded)	2018 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2018 Total Hours	2018 Subtotal
I.	**Program Management (incld. Design Management)**																
01	PMC: Program Manager (15%)	$ 103.62	$ 314.59	26	26	26	26	26	26	0	0	0	0	0	0	156	$ 49,076
02	PMC: Deputy Project Manager (Varies)	$ 75.00	$ 227.70													0	$ -
03	PMC: QA/QC Officer (5%)	$ 96.34	$ 292.49													0	$ -
04	PMC: Senior Engineer (V) - Civil (Review)	$ 58.00	$ 176.09													0	$ -
05	PMC: Senior Engineer (V) - Bridge (Review)	$ 58.00	$ 176.09													0	$ -
06	PMC: Senior Engineer (V) - Hydro (Review)	$ 58.00	$ 176.09													0	$ -
07	PMC: Project Engineer IV - Project Coordination (50%)	$ 52.00	$ 157.87	86	86	86	86	86	86	0	0	0	0	0	0	516	$ 81,461
08	PMC: Senior Designer (Varies)	$ 32.00	$ 97.15													0	$ -
09	PMC: Civil Engineer III - Scheduler/Proj. Ctrls. (50%)	$ 43.00	$ 130.55													0	$ -
10	PMC: Civil Engineer III - Utility Engineer (50%)	$ 43.00	$ 130.55													0	$ -
11	PMC: Engineer I (50%)	$ 32.00	$ 97.15													0	$ -
12	PMC: Administrative Assistant / Doc. Control (50%)	$ 20.00	$ 60.72													0	$ -
13	PMC: Administrative Assistant (Varies)	$ 20.00	$ 60.72													0	$ -
14	PMC: Direct Expenses (accounting, IT, etc.)		n/a	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333							n/a	$ 50,000
	Sub-total Program Management Prime:			***$ 21,756***	***$ 21,756***	***$ 21,756***	***$ 21,756***	***$ 21,756***	***$ 21,756***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***672***	***$ 180,537***
01	Sub: Blanton - (Env. Coordinator)		n/a													n/a	$ -
02	Sub: Aranda - (Survey/ROW Acq. Coord. & ROE/Landowner/Utility Coord.)		n/a													n/a	$ -
03	Sub: C&M - (Investment T&R) (Future WA)		n/a													n/a	$ -
04	Sub: HDR (Not Utilized)		n/a													n/a	$ -
05	Sub: Unintech - (Floodway Br SH 365)		n/a													n/a	$ -
06	Sub: Pathfinder (Government Liaison)		n/a													n/a	$ -
07	Sub: George Ramon (OW Corridor/Toll Coord/Utility Coord.)		n/a													n/a	$ -
	Sub-total Program Management Subs:			***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***n/a***	***$ -***
	Total Program Management:			**$ 21,756**	**$ 21,756**	**$ 21,756**	**$ 21,756**	**$ 21,756**	**$ 21,756**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**672**	**$ 180,537**
II.	**Construction Management**																
01	PMC: Senior Construction Manager (50%)	$ 75.00	$ 227.70	86	86	86	86	86	86	0	0	0	0	0	0	516	$ 117,493
02	PMC: Construction Engineer (Civil) (50%)	$ 58.00	$ 176.09	86	86	86	86	86	86	0	0	0	0	0	0	516	$ 90,862
03	PMC: Const. Field Engineer - Scheduler/Proj. Ctrls. (50%)	$ 43.00	$ 130.55	86	86	86	86	86	86	0	0	0	0	0	0	516	$ 67,364
04	PMC: Const. Field Engineer - Asst. Constr. Eng. (0%)	$ 43.00	$ 130.55	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
05	PMC: Administrative Assistant / Doc. Control (50%)	$ 20.00	$ 60.72	86	86	86	86	86	86	0	0	0	0	0	0	516	$ 31,332
	Sub-total Program Management Consultant:			***$ 51,175***	***$ 51,175***	***$ 51,175***	***$ 51,175***	***$ 51,175***	***$ 51,175***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***2064***	***$ 307,051***
01	HCRMA: Construction Engineer (50%)	$ 58.00	$ 72.50	86	86	86	86	86	86	0	0	0	0	0	0	516	$ 37,410
02	HCRMA: Administrative Assistant (50%)	$ 20.00	$ 25.00	86	86	86	86	86	86	0	0	0	0	0	0	516	$ 12,900
03	HCRMA: Inspection Team #1 SH 365 Seg 3 (2 Inspectors) (100%)	$ 28.00	$ 35.00	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
04	HCRMA: Inspection Team #2 SH 365 Segs 1-4 (4 Inspectors) (100%)	$ 28.00	$ 35.00	692	692	692	692	692	692	0	0	0	0	0	0	4152	$ 145,320
05	HCRMA: Inspection Team #1 Vehicle Allowance ($1,200/mo)		n/a	$ -	$ -	$ -	$ -	$ -	$ -							n/a	$ -
06	HCRMA: Inspection Team #2 Vehicle Allowance ($1,200/mo)		n/a	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800							n/a	$ 28,800
	Sub-total HCRMA Staff:			***$ 37,405***	***$ 37,405***	***$ 37,405***	***$ 37,405***	***$ 37,405***	***$ 37,405***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***5184***	***$ 224,430***
	Total Construction Management:			**$ 88,580**	**$ 88,580**	**$ 88,580**	**$ 88,580**	**$ 88,580**	**$ 88,580**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**7248**	**$ 531,481**
	PMC SUBTOTAL (PM+CM)			**$ 72,931**	**$ 72,931**	**$ 72,931**	**$ 72,931**	**$ 72,931**	**$ 72,931**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**2736**	**$ 487,588**
	HCRMA STAFF SUBTOTAL (CM ONLY)			**$ 37,405**	**$ 37,405**	**$ 37,405**	**$ 37,405**	**$ 37,405**	**$ 37,405**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**5184**	**$ 224,430**
	GRAND TOTAL (PMC + HCRMA STAFF)			**$ 110,336**	**$ 110,336**	**$ 110,336**	**$ 110,336**	**$ 110,336**	**$ 110,336**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**7920**	**$ 712,018**

STAFFING FOR IBTC (SEGMENTS 1 - 3)

IBTC Survey/ROW (start) 2/1/14 | IBTC Env. Review (start)/IBTC Design Phase (start) 3/1/14 | IBTC ROW Acq. Services (start) 6/1/14 SEGS1-3 | IBTC SEGS1-3 PS&E 60% 9/1/14 | IBTC Survey/ROW (100%) 9/30/14 | Env. Doc. (100%) TxDOT Env 10/31/14 | IBTC SEGS1-3 PS&E 90% 11/1/14 | IBTC T&R (start) 12/1/14

		Hourly Rate (Raw)	Hourly Rate (Loaded)	2014 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2014 Total Hours	**2014 Subtotal**
I.	**Program Management (incld. Design Management)**																
01	PMC: Program Manager (15%)	*$ 103.62*	*$ 314.59*			26	26	26	26	26	26	26	26	26	26	260	$ 81,793
02	PMC: Deputy Project Manager (Varies)	*$ 75.00*	*$ 227.70*			68	68	68	68	68	68	68	68	68	68	680	$ 154,836
03	PMC: QA/QC Officer (5%)	*$ 96.34*	*$ 292.49*			9	9	9	9	9	9	9	9	9	9	90	$ 26,324
04	PMC: Senior Engineer (V) - Civil (Review)	*$ 58.00*	*$ 176.09*			0	0	0	100	0	0	120	0	100	0	320	$ 56,349
05	PMC: Senior Engineer (V) - Bridge (Review)	*$ 58.00*	*$ 176.09*			0	0	0	100	0	0	120	0	100	0	320	$ 56,349
06	PMC: Senior Engineer (V) - Hydro (Review)	*$ 58.00*	*$ 176.09*			0	24	40	40	0	0	24	0	40	0	168	$ 29,583
07	PMC: Project Engineer IV - Project Coordination (50%)	*$ 52.00*	*$ 157.87*			86	86	86	86	86	86	86	86	86	86	860	$ 135,768
08	PMC: Senior Designer (Varies)	*$ 32.00*	*$ 97.15*			86	86	86	86	86	86	86	86	86	86	860	$ 83,549
09	PMC: Civil Engineer III - Scheduler/Proj. Ctrls. (50%)	*$ 43.00*	*$ 130.55*			0	86	86	86	86	86	86	86	86	86	774	$ 101,046
10	PMC: Civil Engineer III - Utility Engineer (50%)	*$ 43.00*	*$ 130.55*			0	0	86	86	86	86	86	86	86	86	688	$ 89,818
11	PMC: Engineer I (50%)	*$ 32.00*	*$ 97.15*			0	0	86	86	86	86	86	86	86	86	688	$ 66,839
12	PMC: Administrative Assistant / Doc. Control (50%)	*$ 20.00*	*$ 60.72*			86	86	86	86	86	86	86	86	86	86	860	$ 52,219
13	PMC: Administrative Assistant (Varies)	*$ 20.00*	*$ 60.72*			40	40	40	40	40	40	40	40	40	40	400	$ 24,288
14	PMC: Direct Expenses (accounting, IT, etc.)		*n/a*			$ 8,335	$ 8,335	$ 8,335	$ 8,335	$ 8,335	$ 8,335	$ 8,335	$ 8,335	$ 8,335	$ 8,335	n/a	$ 83,348
	Sub-total Program Management Prime:			***$ -***	***$ -***	***$ 55,878***	***$ 71,331***	***$ 93,731***	***$ 128,949***	***$ 86,687***	***$ 86,687***	***$ 133,175***	***$ 86,687***	***$ 128,949***	***$ 86,687***	***6968***	***$ 1,042,110***
01	Sub: Blanton - (Env. Coordinator)		*n/a*			$ 16,000	$ 16,000	$ 16,000	$ 16,000	$ 16,000	$ 16,000	$ 16,000	$ 16,000	$ 8,000	$ 8,000	n/a	$ 144,000
02	Sub: Aranda - (Survey/ROW Acq. Coord. & ROE/Landowner/Utility Coord.)		*n/a*			$ 16,000	$ 16,000	$ 16,000	$ 16,000	$ 16,000	$ 16,000	$ 16,000	$ 16,000	$ 16,000	$ 16,000	n/a	$ 160,000
03	Sub: C&M - (Investment T&R) (Future WA)		*n/a*													n/a	$ -
04	Sub: HDR (Not Utilized)		*n/a*			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	n/a	$ -
05	Sub: Unintech - (Floodway Br SH 365)		*n/a*			$ -	$ -	$ -	$ -	$ -	$ 5,000	$ 5,000	$ -	$ -	$ -	n/a	$ 10,000
06	Sub: Pathfinder (Government Liaison)		*n/a*			$ 7,500	$ 7,500	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	n/a	$ 55,000
07	Sub: George Ramon (OW Corridor/Toll Coord/Utility Coord.)		*n/a*			$ 7,800	$ 7,800	$ 7,800	$ 7,800	$ 7,800	$ 7,800	$ 7,800	$ 7,800	$ 7,800	$ 7,800	n/a	$ 78,000
	Sub-total Program Management Subs:			***$ -***	***$ -***	***$ 47,300***	***$ 47,300***	***$ 44,800***	***$ 44,800***	***$ 44,800***	***$ 49,800***	***$ 49,800***	***$ 44,800***	***$ 36,800***	***$ 36,800***	***n/a***	***$ 447,000***
	Total Program Management:			**$ -**	**$ -**	**$ 103,178**	**$ 118,631**	**$ 138,531**	**$ 173,749**	**$ 131,487**	**$ 136,487**	**$ 182,975**	**$ 131,487**	**$ 165,749**	**$ 123,487**	**6968**	**$ 1,489,110**
II.	**Construction Management**																
01	PMC: Senior Construction Manager (50%)	*$ 75.00*	$ 227.70													0	$ -
02	PMC: Construction Engineer (Civil) (50%)	*$ 58.00*	*$ 176.09*													0	$ -
03	PMC: Const. Field Engineer - Scheduler/Proj. Ctrls. (50%)	*$ 43.00*	*$ 130.55*													0	$ -
04	PMC: Const. Field Engineer - Asst. Constr. Eng. (0%)	*$ 43.00*	*$ 130.55*													0	$ -
05	PMC: Administrative Assistant / Doc. Control (50%)	*$ 20.00*	*$ 60.72*													0	$ -
	Sub-total Program Management Consultant:			***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***0***	***$ -***
01	HCRMA: Construction Engineer (50%)	*$ 58.00*	*$ 72.50*													0	$ -
02	HCRMA: Administrative Assistant (50%)	*$ 20.00*	*$ 25.00*													0	$ -
03	HCRMA: Inspection Team #3 IBTC Segs 1-3 (4 Inspectors) (100%)	*$ 28.00*	*$ 35.00*													0	$ -
04	HCRMA: Inspection Team #3 Vehicle Allowance ($1,200/mo)		*n/a*													n/a	$ -
	Sub-total HCRMA Staff:			***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***0***	***$ -***
	Total Construction Management:			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**0**	**$ -**
	PMC SUBTOTAL (PM+CM)			***$ -***	***$ -***	***$ 103,178***	***$ 118,631***	***$ 138,531***	***$ 173,749***	***$ 131,487***	***$ 136,487***	***$ 182,975***	***$ 131,487***	***$ 165,749***	***$ 123,487***	***6968***	***$ 1,489,110***
	HCRMA STAFF SUBTOTAL (CM ONLY)			***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***0***	***$ -***
	GRAND TOTAL (PMC + HCRMA STAFF)			***$ -***	***$ -***	***$ 103,178***	***$ 118,631***	***$ 138,531***	***$ 173,749***	***$ 131,487***	***$ 136,487***	***$ 182,975***	***$ 131,487***	***$ 165,749***	***$ 123,487***	***6968***	***$ 1,489,110***

STAFFING FOR IBTC (SEGMENTS 1 - 3)

		Hourly Rate (Raw)	Hourly Rate (Loaded)	2015 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2015 Total Hours	2015 Subtotal
				IBTC SEGS1-3 PS&E 100% 1/30/15			IBTC T&R (100%) 4/30/15		Env. (100%) FONSI 6/1/15			IBTC Bid Phase (start) (all seg.) 9/1/15			IBTC Bid Phase (100%) 12/31/15		
I.	**Program Management (incld. Design Management)**																
01	PMC: Program Manager (15%)	$ 103.62	$ 314.59	26	26	26	26	26	26	26	26	26	26	26	26	312	$ 98,152
02	PMC: Deputy Project Manager (Varies)	$ 75.00	$ 227.70	68	56	56	56	56	56	56	56	56	56	56	56	684	$ 155,747
03	PMC: QA/QC Officer (5%)	$ 96.34	$ 292.49	9	0	0	0	0	0	0	0	0	0	0	0	9	$ 2,632
04	PMC: Senior Engineer (V) - Civil (Review)	$ 58.00	$ 176.09	0	100	0	0	0	0	0	0	0	0	0	0	100	$ 17,609
05	PMC: Senior Engineer (V) - Bridge (Review)	$ 58.00	$ 176.09	0	100	0	0	0	0	0	0	0	0	0	0	100	$ 17,609
06	PMC: Senior Engineer (V) - Hydro (Review)	$ 58.00	$ 176.09	0	16											16	$ 2,817
07	PMC: Project Engineer IV - Project Coordination (50%)	$ 52.00	$ 157.87	86	86	86	86	86	86	86	86	86	86	86	86	1032	$ 162,922
08	PMC: Senior Designer (Varies)	$ 32.00	$ 97.15	86	86	43	43	43	43	43	43	43	43	43	43	602	$ 58,484
09	PMC: Civil Engineer III - Scheduler/Proj. Ctrls. (50%)	$ 43.00	$ 130.55	86	86	86	86	86	86	86	86	86	86	86	86	1032	$ 134,728
10	PMC: Civil Engineer III - Utility Engineer (50%)	$ 43.00	$ 130.55	86	86	86	86	86	86	86	0	0	0	0	0	602	$ 78,591
11	PMC: Engineer I (50%)	$ 32.00	$ 97.15	86	86	86	86	86	86	86	86	86	86	86	86	1032	$ 100,259
12	PMC: Administrative Assistant / Doc. Control (50%)	$ 20.00	$ 60.72	86	86	86	86	86	86	86	86	86	86	86	86	1032	$ 62,663
13	PMC: Administrative Assistant (Varies)	$ 20.00	$ 60.72	40	40	15	15	15	15	15	15	15	15	15	15	230	$ 13,966
14	PMC: Direct Expenses (accounting, IT, etc.)		n/a	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	n/a	$ 100,000
	Sub-total Program Management Prime:			***$ 86,687***	***$ 119,358***	***$ 75,627***	***$ 75,627***	***$ 75,627***	***$ 75,627***	***$ 75,627***	***$ 64,400***	***$ 64,400***	***$ 64,400***	***$ 64,400***	***$ 64,400***	***6783***	***$ 1,006,179***
01	Sub: Blanton - (Env. Coordinator)		n/a	$ 8,000	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ -	$ -	$ -	$ -	$ -	$ -	$ -	n/a	$ 27,200
02	Sub: Aranda - (Survey/ROW Acq. Coord. & ROE/Landowner/Utility Coord.)		n/a	$ 6,000	$ 6,000	$ 6,000	$ 6,000	$ 6,000	$ 6,000	$ 6,000	$ 6,000	$ 6,000	$ 6,000	$ 4,000	$ -	n/a	$ 64,000
03	Sub: C&M - (Investment T&R) (Future WA)		n/a													n/a	$ -
04	Sub: HDR (Not Utilized)		n/a	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	n/a	$ -
05	Sub: Unintech - (Floodway Br SH 365)		n/a	$ 5,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	n/a	$ 5,000
06	Sub: Pathfinder (Government Liaison)		n/a	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	n/a	$ 60,000
07	Sub: George Ramon (OW Corridor/Toll Coord/Utility Coord.)		n/a	$ 7,800	$ 7,800	$ 7,800	$ 7,800	$ 7,800	$ 7,800	$ 7,800	$ 7,800	$ 7,800	$ 7,800	$ 7,800	$ -	n/a	$ 85,800
	Sub-total Program Management Subs:			***$ 31,800***	***$ 23,600***	***$ 23,600***	***$ 23,600***	***$ 23,600***	***$ 18,800***	***$ 18,800***	***$ 18,800***	***$ 18,800***	***$ 18,800***	***$ 16,800***	***$ 5,000***	***n/a***	***$ 242,000***
	Total Program Management:			**$ 118,487**	**$ 142,958**	**$ 99,227**	**$ 99,227**	**$ 99,227**	**$ 94,427**	**$ 94,427**	**$ 83,200**	**$ 83,200**	**$ 83,200**	**$ 81,200**	**$ 69,400**	**6783**	**$ 1,248,179**
II.	**Construction Management**																
01	PMC: Senior Construction Manager (50%)	$ 75.00	$ 227.70													0	$ -
02	PMC: Construction Engineer (Civil) (50%)	$ 58.00	$ 176.09													0	$ -
03	PMC: Const. Field Engineer - Scheduler/Proj. Ctrls. (50%)	$ 43.00	$ 130.55													0	$ -
04	PMC: Const. Field Engineer - Asst. Constr. Eng. (0%)	$ 43.00	$ 130.55													0	$ -
05	PMC: Administrative Assistant / Doc. Control (50%)	$ 20.00	$ 60.72													0	$ -
	Sub-total Program Management Consultant:			***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***0***	***$ -***
01	HCRMA: Construction Engineer (50%)	$ 58.00	$ 72.50	86	86	86	86	86	86	86	86	86	86	86	86	1032	$ 74,820
02	HCRMA: Administrative Assistant (50%)	$ 20.00	$ 25.00	86	86	86	86	86	86	86	86	86	86	86	86	1032	$ 25,800
03	HCRMA: Inspection Team #3 IBTC Segs 1-3 (4 Inspectors) (100%)	$ 28.00	$ 35.00													0	$ -
04	HCRMA: Inspection Team #3 Vehicle Allowance ($1,200/mo)		n/a													n/a	$ -
	Sub-total HCRMA Staff:			***$ 8,385***	***$ 8,385***	***$ 8,385***	***$ 8,385***	***$ 8,385***	***$ 8,385***	***$ 8,385***	***$ 8,385***	***$ 8,385***	***$ 8,385***	***$ 8,385***	***$ 8,385***	***2064***	***$ 100,620***
	Total Construction Management:			**$ 8,385**	**$ 8,385**	**$ 8,385**	**$ 8,385**	**$ 8,385**	**$ 8,385**	**$ 8,385**	**$ 8,385**	**$ 8,385**	**$ 8,385**	**$ 8,385**	**$ 8,385**	**2064**	**$ 100,620**
	PMC SUBTOTAL (PM+CM)			**$ 118,487**	**$ 142,958**	**$ 99,227**	**$ 99,227**	**$ 99,227**	**$ 94,427**	**$ 94,427**	**$ 83,200**	**$ 83,200**	**$ 83,200**	**$ 81,200**	**$ 69,400**	**6783**	**$ 1,248,179**
	HCRMA STAFF SUBTOTAL (CM ONLY)			**$ 8,385**	**$ 8,385**	**$ 8,385**	**$ 8,385**	**$ 8,385**	**$ 8,385**	**$ 8,385**	**$ 8,385**	**$ 8,385**	**$ 8,385**	**$ 8,385**	**$ 8,385**	**2064**	**$ 100,620**
	GRAND TOTAL (PMC + HCRMA STAFF)			**$ 126,872**	**$ 151,343**	**$ 107,612**	**$ 107,612**	**$ 107,612**	**$ 102,812**	**$ 102,812**	**$ 91,585**	**$ 91,585**	**$ 91,585**	**$ 89,585**	**$ 77,785**	**8847**	**$ 1,348,799**

STAFFING FOR IBTC (SEGMENTS 1 - 3)

IBTC Construction Phase (start) 1/1/16

		Hourly Rate (Raw)	Hourly Rate (Loaded)	2016 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2016 Total Hours	**2016 Subtotal**
I.	**Program Management (incld. Design Management)**																
01	PMC: Program Manager (15%)	*$ 103.62*	*$ 314.59*	26	26	26	26	26	26	26	26	26	26	26	26	312	$ 98,152
02	PMC: Deputy Project Manager (Varies)	*$ 75.00*	*$ 227.70*													0	$ -
03	PMC: QA/QC Officer (5%)	*$ 96.34*	*$ 292.49*													0	$ -
04	PMC: Senior Engineer (V) - Civil (Review)	*$ 58.00*	*$ 176.09*													0	$ -
05	PMC: Senior Engineer (V) - Bridge (Review)	*$ 58.00*	*$ 176.09*													0	$ -
06	PMC: Senior Engineer (V) - Hydro (Review)	*$ 58.00*	*$ 176.09*													0	$ -
07	PMC: Project Engineer IV - Project Coordination (50%)	*$ 52.00*	*$ 157.87*	86	86	86	86	86	86	86	86	86	86	86	86	1032	$ 162,922
08	PMC: Senior Designer (Varies)	*$ 32.00*	*$ 97.15*													0	$ -
09	PMC: Civil Engineer III - Scheduler/Proj. Ctrls. (50%)	*$ 43.00*	*$ 130.55*													0	$ -
10	PMC: Civil Engineer III - Utility Engineer (50%)	*$ 43.00*	*$ 130.55*													0	$ -
11	PMC: Engineer I (50%)	*$ 32.00*	*$ 97.15*													0	$ -
12	PMC: Administrative Assistant / Doc. Control (50%)	*$ 20.00*	*$ 60.72*													0	$ -
13	PMC: Administrative Assistant (Varies)	*$ 20.00*	*$ 60.72*													0	$ -
14	PMC: Direct Expenses (accounting, IT, etc.)		*n/a*	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	n/a	$ 100,000
	Sub-total Program Management Prime:			***$ 21,756***	***$ 21,756***	***$ 21,756***	***$ 21,756***	***$ 21,756***	***$ 21,756***	***$ 21,756***	***$ 21,756***	***$ 21,756***	***$ 21,756***	***$ 21,756***	***$ 21,756***	***1344***	***$ 361,074***
01	Sub: Blanton - (Env. Coordinator)		*n/a*													n/a	$ -
02	Sub: Aranda - (Survey/ROW Acq. Coord. & ROE/Landowner/Utility Coord.)		*n/a*													n/a	$ -
03	Sub: C&M - (Investment T&R) (Future WA)		*n/a*													n/a	$ -
04	Sub: HDR (Not Utilized)		*n/a*													n/a	$ -
05	Sub: Unintech - (Floodway Br SH 365)		*n/a*													n/a	$ -
06	Sub: Pathfinder (Government Liaison)		*n/a*													n/a	$ -
07	Sub: George Ramon (OW Corridor/Toll Coord/Utility Coord.)		*n/a*													n/a	$ -
	Sub-total Program Management Subs:			***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***n/a***	***$ -***
	Total Program Management:			**$ 21,756**	**$ 21,756**	**$ 21,756**	**$ 21,756**	**$ 21,756**	**$ 21,756**	**$ 21,756**	**$ 21,756**	**$ 21,756**	**$ 21,756**	**$ 21,756**	**$ 21,756**	**1344**	**$ 361,074**
II.	**Construction Management**																
01	PMC: Senior Construction Manager (50%)	*$ 75.00*	$ 227.70	86	86	86	86	86	86	86	86	86	86	86	86	1032	$ 234,986
02	PMC: Construction Engineer (Civil) (50%)	*$ 58.00*	*$ 176.09*	86	86	86	86	86	86	86	86	86	86	86	86	1032	$ 181,725
03	PMC: Const. Field Engineer - Scheduler/Proj. Ctrls. (50%)	*$ 43.00*	*$ 130.55*	86	86	86	86	86	86	86	86	86	86	86	86	1032	$ 134,728
04	PMC: Const. Field Engineer - Asst. Constr. Eng. (0%)	*$ 43.00*	*$ 130.55*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
05	PMC: Administrative Assistant / Doc. Control (50%)	*$ 20.00*	*$ 60.72*	86	86	86	86	86	86	86	86	86	86	86	86	1032	$ 62,663
	Sub-total Program Management Consultant:			***$ 51,175***	***$ 51,175***	***$ 51,175***	***$ 51,175***	***$ 51,175***	***$ 51,175***	***$ 51,175***	***$ 51,175***	***$ 51,175***	***$ 51,175***	***$ 51,175***	***$ 51,175***	***4128***	***$ 614,102***
01	HCRMA: Construction Engineer (50%)	*$ 58.00*	*$ 72.50*	86	86	86	86	86	86	86	86	86	86	86	86	1032	$ 74,820
02	HCRMA: Administrative Assistant (50%)	*$ 20.00*	*$ 25.00*	86	86	86	86	86	86	86	86	86	86	86	86	1032	$ 25,800
03	HCRMA: Inspection Team #3 IBTC Segs 1-3 (4 Inspectors) (100%)	*$ 28.00*	*$ 35.00*	692	692	692	692	692	692	692	692	692	692	692	692	8304	$ 290,640
04	HCRMA: Inspection Team #3 Vehicle Allowance ($1,200/mo)		*n/a*	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	n/a	$ 57,600
	Sub-total HCRMA Staff:			***$ 37,405***	***$ 37,405***	***$ 37,405***	***$ 37,405***	***$ 37,405***	***$ 37,405***	***$ 37,405***	***$ 37,405***	***$ 37,405***	***$ 37,405***	***$ 37,405***	***$ 37,405***	***10368***	***$ 448,860***
	Total Construction Management:			**$ 88,580**	**$ 88,580**	**$ 88,580**	**$ 88,580**	**$ 88,580**	**$ 88,580**	**$ 88,580**	**$ 88,580**	**$ 88,580**	**$ 88,580**	**$ 88,580**	**$ 88,580**	**14496**	**$ 1,062,962**
	PMC SUBTOTAL (PM+CM)			**$ 72,931**	**$ 72,931**	**$ 72,931**	**$ 72,931**	**$ 72,931**	**$ 72,931**	**$ 72,931**	**$ 72,931**	**$ 72,931**	**$ 72,931**	**$ 72,931**	**$ 72,931**	**5472**	**$ 975,176**
	HCRMA STAFF SUBTOTAL (CM ONLY)			**$ 37,405**	**$ 37,405**	**$ 37,405**	**$ 37,405**	**$ 37,405**	**$ 37,405**	**$ 37,405**	**$ 37,405**	**$ 37,405**	**$ 37,405**	**$ 37,405**	**$ 37,405**	**10368**	**$ 448,860**
	GRAND TOTAL (PMC + HCRMA STAFF)			**$ 110,336**	**$ 110,336**	**$ 110,336**	**$ 110,336**	**$ 110,336**	**$ 110,336**	**$ 110,336**	**$ 110,336**	**$ 110,336**	**$ 110,336**	**$ 110,336**	**$ 110,336**	**15840**	**$ 1,424,036**

				2017													
STAFFING FOR IBTC (SEGMENTS 1 - 3)																	
	Hourly Rate (Raw)	Hourly Rate (Loaded)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2017 Total Hours	**2017 Subtotal**
I. Program Management (incld. Design Management)																
01 PMC: Program Manager (15%)	*$ 103.62*	*$ 314.59*	26	26	26	26	26	26	26	26	26	26	26	26	312	$ 98,152
02 PMC: Deputy Project Manager (Varies)	*$ 75.00*	*$ 227.70*													0	$ -
03 PMC: QA/QC Officer (5%)	*$ 96.34*	*$ 292.49*													0	$ -
04 PMC: Senior Engineer (V) - Civil (Review)	*$ 58.00*	*$ 176.09*													0	$ -
05 PMC: Senior Engineer (V) - Bridge (Review)	*$ 58.00*	*$ 176.09*													0	$ -
06 PMC: Senior Engineer (V) - Hydro (Review)	*$ 58.00*	*$ 176.09*													0	$ -
07 PMC: Project Engineer IV - Project Coordination (50%)	*$ 52.00*	*$ 157.87*	86	86	86	86	86	86	86	86	86	86	86	86	1032	$ 162,922
08 PMC: Senior Designer (Varies)	*$ 32.00*	*$ 97.15*													0	$ -
09 PMC: Civil Engineer III - Scheduler/Proj. Ctrls. (50%)	*$ 43.00*	*$ 130.55*													0	$ -
10 PMC: Civil Engineer III - Utility Engineer (50%)	*$ 43.00*	*$ 130.55*													0	$ -
11 PMC: Engineer I (50%)	*$ 32.00*	*$ 97.15*													0	$ -
12 PMC: Administrative Assistant / Doc. Control (50%)	*$ 20.00*	*$ 60.72*													0	$ -
13 PMC: Administrative Assistant (Varies)	*$ 20.00*	*$ 60.72*													0	$ -
14 PMC: Direct Expenses (accounting, IT, etc.)		*n/a*	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	n/a	$ 100,000
Sub-total Program Management Prime:			***$ 21,756***	***$ 21,756***	***$ 21,756***	***$ 21,756***	***$ 21,756***	***$ 21,756***	***$ 21,756***	***$ 21,756***	***$ 21,756***	***$ 21,756***	***$ 21,756***	***$ 21,756***	***1344***	***$ 361,074***
01 Sub: Blanton - (Env. Coordinator)		*n/a*													n/a	$ -
02 Sub: Aranda - (Survey/ROW Acq. Coord. & ROE/Landowner/Utility Coord.)		*n/a*													n/a	$ -
03 Sub: C&M - (Investment T&R) (Future WA)		*n/a*													n/a	$ -
04 Sub: HDR (Not Utilized)		*n/a*													n/a	$ -
05 Sub: Unintech - (Floodway Br SH 365)		*n/a*													n/a	$ -
06 Sub: Pathfinder (Government Liaison)		*n/a*													n/a	$ -
07 Sub: George Ramon (OW Corridor/Toll Coord/Utility Coord.)		*n/a*													n/a	$ -
Sub-total Program Management Subs:			***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***n/a***	***$ -***
Total Program Management:			**$ 21,756**	**$ 21,756**	**$ 21,756**	**$ 21,756**	**$ 21,756**	**$ 21,756**	**$ 21,756**	**$ 21,756**	**$ 21,756**	**$ 21,756**	**$ 21,756**	**$ 21,756**	**1344**	**$ 361,074**
II. Construction Management																
01 PMC: Senior Construction Manager (50%)	*$ 75.00*	$ 227.70	86	86	86	86	86	86	86	86	86	86	86	86	1032	$ 234,986
02 PMC: Construction Engineer (Civil) (50%)	*$ 58.00*	*$ 176.09*	86	86	86	86	86	86	86	86	86	86	86	86	1032	$ 181,725
03 PMC: Const. Field Engineer - Scheduler/Proj. Ctrls. (50%)	*$ 43.00*	*$ 130.55*	86	86	86	86	86	86	86	86	86	86	86	86	1032	$ 134,728
04 PMC: Const. Field Engineer - Asst. Constr. Eng. (0%)	*$ 43.00*	*$ 130.55*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
05 PMC: Administrative Assistant / Doc. Control (50%)	*$ 20.00*	*$ 60.72*	86	86	86	86	86	86	86	86	86	86	86	86	1032	$ 62,663
Sub-total Program Management Consultant:			***$ 51,175***	***$ 51,175***	***$ 51,175***	***$ 51,175***	***$ 51,175***	***$ 51,175***	***$ 51,175***	***$ 51,175***	***$ 51,175***	***$ 51,175***	***$ 51,175***	***$ 51,175***	***4128***	***$ 614,102***
01 HCRMA: Construction Engineer (50%)	*$ 58.00*	*$ 72.50*	86	86	86	86	86	86	86	86	86	86	86	86	1032	$ 74,820
02 HCRMA: Administrative Assistant (50%)	*$ 20.00*	*$ 25.00*	86	86	86	86	86	86	86	86	86	86	86	86	1032	$ 25,800
03 HCRMA: Inspection Team #3 IBTC Segs 1-3 (4 Inspectors) (100%)	*$ 28.00*	*$ 35.00*	692	692	692	692	692	692	692	692	692	692	692	692	8304	$ 290,640
04 HCRMA: Inspection Team #3 Vehicle Allowance ($1,200/mo)		*n/a*	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	n/a	$ 57,600
Sub-total HCRMA Staff:			***$ 37,405***	***$ 37,405***	***$ 37,405***	***$ 37,405***	***$ 37,405***	***$ 37,405***	***$ 37,405***	***$ 37,405***	***$ 37,405***	***$ 37,405***	***$ 37,405***	***$ 37,405***	***10368***	***$ 448,860***
Total Construction Management:			**$ 88,580**	**$ 88,580**	**$ 88,580**	**$ 88,580**	**$ 88,580**	**$ 88,580**	**$ 88,580**	**$ 88,580**	**$ 88,580**	**$ 88,580**	**$ 88,580**	**$ 88,580**	**14496**	**$ 1,062,962**
PMC SUBTOTAL (PM+CM)			**$ 72,931**	**$ 72,931**	**$ 72,931**	**$ 72,931**	**$ 72,931**	**$ 72,931**	**$ 72,931**	**$ 72,931**	**$ 72,931**	**$ 72,931**	**$ 72,931**	**$ 72,931**	**5472**	**$ 975,176**
HCRMA STAFF SUBTOTAL (CM ONLY)			**$ 37,405**	**$ 37,405**	**$ 37,405**	**$ 37,405**	**$ 37,405**	**$ 37,405**	**$ 37,405**	**$ 37,405**	**$ 37,405**	**$ 37,405**	**$ 37,405**	**$ 37,405**	**10368**	**$ 448,860**
GRAND TOTAL (PMC + HCRMA STAFF)			**$ 110,336**	**$ 110,336**	**$ 110,336**	**$ 110,336**	**$ 110,336**	**$ 110,336**	**$ 110,336**	**$ 110,336**	**$ 110,336**	**$ 110,336**	**$ 110,336**	**$ 110,336**	**15840**	**$ 1,424,036**

				2018													
STAFFING FOR IBTC (SEGMENTS 1 - 3)									IBTC Constrction Phase (100%) 6/30/18								
	Hourly Rate (Raw)	Hourly Rate (Loaded)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2018 Total Hours	**2018 Subtotal**
I. Program Management (incld. Design Management)																
01 PMC: Program Manager (15%)	*$ 103.62*	*$ 314.59*	26	26	26	26	26	26	0	0	0	0	0	0	156	$ 49,076
02 PMC: Deputy Project Manager (Varies)	*$ 75.00*	*$ 227.70*													0	$ -
03 PMC: QA/QC Officer (5%)	*$ 96.34*	*$ 292.49*													0	$ -
04 PMC: Senior Engineer (V) - Civil (Review)	*$ 58.00*	*$ 176.09*													0	$ -
05 PMC: Senior Engineer (V) - Bridge (Review)	*$ 58.00*	*$ 176.09*													0	$ -
06 PMC: Senior Engineer (V) - Hydro (Review)	*$ 58.00*	*$ 176.09*													0	$ -
07 PMC: Project Engineer IV - Project Coordination (50%)	*$ 52.00*	*$ 157.87*	86	86	86	86	86	86	0	0	0	0	0	0	516	$ 81,461
08 PMC: Senior Designer (Varies)	*$ 32.00*	*$ 97.15*													0	$ -
09 PMC: Civil Engineer III - Scheduler/Proj. Ctrls. (50%)	*$ 43.00*	*$ 130.55*													0	$ -
10 PMC: Civil Engineer III - Utility Engineer (50%)	*$ 43.00*	*$ 130.55*													0	$ -
11 PMC: Engineer I (50%)	*$ 32.00*	*$ 97.15*													0	$ -
12 PMC: Administrative Assistant / Doc. Control (50%)	*$ 20.00*	*$ 60.72*													0	$ -
13 PMC: Administrative Assistant (Varies)	*$ 20.00*	*$ 60.72*													0	$ -
14 PMC: Direct Expenses (accounting, IT, etc.)		*n/a*	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333	$ 8,333							n/a	$ 50,000
Sub-total Program Management Prime:			***$ 21,756***	***$ 21,756***	***$ 21,756***	***$ 21,756***	***$ 21,756***	***$ 21,756***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***672***	***$ 180,537***
01 Sub: Blanton - (Env. Coordinator)		*n/a*													n/a	$ -
02 Sub: Aranda - (Survey/ROW Acq. Coord. & ROE/Landowner/Utility Coord.)		*n/a*													n/a	$ -
03 Sub: C&M - (Investment T&R) (Future WA)		*n/a*													n/a	$ -
04 Sub: HDR (Not Utilized)		*n/a*													n/a	$ -
05 Sub: Unintech - (Floodway Br SH 365)		*n/a*													n/a	$ -
06 Sub: Pathfinder (Government Liaison)		*n/a*													n/a	$ -
07 Sub: George Ramon (OW Corridor/Toll Coord/Utility Coord.)		*n/a*													n/a	$ -
Sub-total Program Management Subs:			***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***n/a***	***$ -***
Total Program Management:			**$ 21,756**	**$ 21,756**	**$ 21,756**	**$ 21,756**	**$ 21,756**	**$ 21,756**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**672**	**$ 180,537**
II. Construction Management																
01 PMC: Senior Construction Manager (50%)	*$ 75.00*	$ 227.70	86	86	86	86	86	86	0	0	0	0	0	0	516	$ 117,493
02 PMC: Construction Engineer (Civil) (50%)	*$ 58.00*	*$ 176.09*	86	86	86	86	86	86	0	0	0	0	0	0	516	$ 90,862
03 PMC: Const. Field Engineer - Scheduler/Proj. Ctrls. (50%)	*$ 43.00*	*$ 130.55*	86	86	86	86	86	86	0	0	0	0	0	0	516	$ 67,364
04 PMC: Const. Field Engineer - Asst. Constr. Eng. (0%)	*$ 43.00*	*$ 130.55*	0	0	0	0	0	0	0	0	0	0	0	0	0	$ -
05 PMC: Administrative Assistant / Doc. Control (50%)	*$ 20.00*	*$ 60.72*	86	86	86	86	86	86	0	0	0	0	0	0	516	$ 31,332
Sub-total Program Management Consultant:			***$ 51,175***	***$ 51,175***	***$ 51,175***	***$ 51,175***	***$ 51,175***	***$ 51,175***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***2064***	***$ 307,051***
01 HCRMA: Construction Engineer (50%)	*$ 58.00*	*$ 72.50*	86	86	86	86	86	86	0	0	0	0	0	0	516	$ 37,410
02 HCRMA: Administrative Assistant (50%)	*$ 20.00*	*$ 25.00*	86	86	86	86	86	86	0	0	0	0	0	0	516	$ 12,900
03 HCRMA: Inspection Team #3 IBTC Segs 1-3 (4 Inspectors) (100%)	*$ 28.00*	*$ 35.00*	692	692	692	692	692	692	0	0	0	0	0	0	4152	$ 145,320
04 HCRMA: Inspection Team #3 Vehicle Allowance ($1,200/mo)		*n/a*	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800	$ 4,800							n/a	$ 28,800
Sub-total HCRMA Staff:			***$ 37,405***	***$ 37,405***	***$ 37,405***	***$ 37,405***	***$ 37,405***	***$ 37,405***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***5184***	***$ 224,430***
Total Construction Management:			**$ 88,580**	**$ 88,580**	**$ 88,580**	**$ 88,580**	**$ 88,580**	**$ 88,580**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**7248**	**$ 531,481**
PMC SUBTOTAL (PM+CM)			**$ 72,931**	**$ 72,931**	**$ 72,931**	**$ 72,931**	**$ 72,931**	**$ 72,931**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**2736**	**$ 487,588**
HCRMA STAFF SUBTOTAL (CM ONLY)			**$ 37,405**	**$ 37,405**	**$ 37,405**	**$ 37,405**	**$ 37,405**	**$ 37,405**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**5184**	**$ 224,430**
GRAND TOTAL (PMC + HCRMA STAFF)			**$ 110,336**	**$ 110,336**	**$ 110,336**	**$ 110,336**	**$ 110,336**	**$ 110,336**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**7920**	**$ 712,018**

EXHIBIT H-2
Subprovider Monitoring System Commitment Agreement

This commitment agreement is subject to the award and receipt of a signed contract from the Hidalgo County Regional Mobility Authority (Authority). ***NOTE: Attachment H-2 is required to be attached to each contract that does not include work authorizations. Attachment H-2 is required to be attached with each work authorization. Attachment H-2 is also required to be attached to each supplemental work authorization. If DBE/HUB Subproviders are used, the form must be completed and signed. If no DBE/HUB Subproviders are used, indicate with "N/A" on this line: _____ and attach with the work authorization or supplemental work authorization.***

Contract #: _____ Assigned Goal: **12%** Prime Provider Dannenbaum Engineering Corporation

Work Authorization (WA)#: 9 WA Amount: **$10,340,781.60** Date: _____
Supplemental Work Authorization (SWA) #: _____ to WA #: _____ SWA Amount: _____
Revised WA Amount: _____

Description of Work *(List by category of work or task description. Attach additional pages, if necessary.)*	**Dollar Amount** *(For each category of work or task description shown.)*
Environmental Services Oversight Assistance	**$238,400.00**
Total Commitment Amount *(Including all additional pages.)*	**$238,400.00**

IMPORTANT: The signatures of the prime and the DBE/HUB and Second Tier Subprovider, if any (both DBE and Non-DBE) and the total commitment amount must always be on the same page.

Provider Name: Dannenbaum Engineering Corporation **Address: 1109 Nolana, Suite 208, McAllen, Texas 78504** **PH: (956)682-3677; FX: (956)686-1822** **Email: louis.jones@dannenbaum.com**	**Name:** Louis H. Jones Jr., P.E. ***(Please Print)*** **Title:** Principal _____ **Signature** **Date** 2/17/14
DBE/HUB Sub Provider **Subprovider Name: Blanton & Associates, Inc.** **VID Number: 17428458388** **Address: 5 Lakeway Centre Court, Suite 200 Austin, Texas 45734** **PH: (512)264-1095; FX: (512)284-1531** **Email: admin@blantonassociates.com**	**Name:** Don Blanton ***(Please Print)*** **Title:** President _____ **Signature** **Date**
Second Tier Sub Provider N/A **Subprovider Name: N/A** **VID Number: N/A** **Address: N/A** **Phone #& Fax #: N/A** **Email: N/A**	**Name:** _____ ***(Please Print)*** **Title:** _____ _____ **Signature** **Date**

VID Number is the Vendor Identification Number issued by the Comptroller. If a firm does not have a VID Number, please enter the owner's Social Security or their Federal Employee Identification Number (if incorporated).

EXHIBIT H-2
Subprovider Monitoring System Commitment Agreement

This commitment agreement is subject to the award and receipt of a signed contract from the Hidalgo County Regional Mobility Authority (Authority). ***NOTE: Attachment H-2 is required to be attached to each contract that does not include work authorizations. Attachment H-2 is required to be attached with each work authorization. Attachment H-2 is also required to be attached to each supplemental work authorization. If DBE/HUB Subproviders are used, the form must be completed and signed. If no DBE/HUB Subproviders are used, indicate with "N/A" on this line: _____ and attach with the work authorization or supplemental work authorization.***

Contract #: _____ Assigned Goal: **12%** Prime Provider Dannenbaum Engineering Corporation

Work Authorization (WA)#: 9 WA Amount: **$10,340,781.60** Date: _____
Supplemental Work Authorization (SWA) #: _____ to WA #: _____ SWA Amount: _____
Revised WA Amount: _____

Description of Work *(List by category of work or task description. Attach additional pages, if necessary.)*	**Dollar Amount** *(For each category of work or task description shown.)*
Survey/Utility Oversight Assistance	**$499,880.00**
Total Commitment Amount *(Including all additional pages.)*	**$499,880.00**

IMPORTANT: The signatures of the prime and the DBE/HUB and Second Tier Subprovider, if any (both DBE and Non-DBE) and the total commitment amount must always be on the same page.

Provider Name: Dannenbaum Engineering Corporation **Address: 1109 Nolana, Suite 208, McAllen, Texas 78504** **PH: (956)682-3677; FX: (956)686-1822** **Email: louis.jones@dannenbaum.com**	**Name:** Louis H. Jones Jr., P.E. ***(Please Print)*** **Title:** Principal **Signature** **Date** 2/27/14
DBE/HUB Sub Provider **Subprovider Name: Aranda & Associates, Inc.** **VID Number: 04-3746373** **Address: 1552 West Dove Avenue** **McAllen, Texas 78504** **PH: (956)631-0944; FX: (956)631-0945** **Email: arandaj@arandaworld.com**	**Name:** James Aranda, RPLS ***(Please Print)*** **Title:** President **Signature** **Date**
Second Tier Sub Provider N/A **Subprovider Name: N/A** **VID Number: N/A** **Address: N/A** **Phone #& Fax #: N/A** **Email: N/A**	**Name:** _____ ***(Please Print)*** **Title:** _____ **Signature** **Date**

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EXHIBIT H-2
Subprovider Monitoring System Commitment Agreement

This commitment agreement is subject to the award and receipt of a signed contract from the Hidalgo County Regional Mobility Authority (Authority). ***NOTE: Attachment H-2 is required to be attached to each contract that does not include work authorizations. Attachment H-2 is required to be attached with each work authorization. Attachment H-2 is also required to be attached to each supplemental work authorization. If DBE/HUB Subproviders are used, the form must be completed and signed. If no DBE/HUB Subproviders are used, indicate with "N/A" on this line: _____ and attach with the work authorization or supplemental work authorization.***

Contract #: _____ Assigned Goal: **12%** Prime Provider Dannenbaum Engineering Corporation

Work Authorization (WA)#: 9 WA Amount: **$10,340,781.60** Date: _____
Supplemental Work Authorization (SWA) #: _____ to WA #: _____ SWA Amount: _____
Revised WA Amount: _____

Description of Work *(List by category of work or task description. Attach additional pages, if necessary.)*	**Dollar Amount** *(For each category of work or task description shown.)*
Review of floodway bridge structures on SH 365 and IBTC	**$30,000.00**
Total Commitment Amount *(Including all additional pages.)*	**$30,000.00**

IMPORTANT: The signatures of the prime and the DBE/HUB and Second Tier Subprovider, if any (both DBE and Non-DBE) and the total commitment amount must always be on the same page.

Provider Name: Dannenbaum Engineering Corporation **Address: 1109 Nolana, Suite 208, McAllen, Texas 78504** **PH: (956)682-3677; FX: (956)686-1822** **Email: louis.jones@dannenbaum.com**	**Name:** Louis H. Jones Jr., P.E. ***(Please Print)*** **Title:** Principal _____ 2/17/19 **Signature** **Date**
DBE/HUB Sub Provider **Subprovider Name: Unintech Consulting Engineers** **VID Number:** **Address: 2431 East Evans Road** **San Antonio, TX 78259** **PH: (210) 641-6003 ; FX: (210) 641-8279** **Email:**	**Name:** Min Chow (Clifford) Hew,PE ***(Please Print)*** **Title:** President _____ **Signature** **Date**
Second Tier Sub Provider N/A **Subprovider Name: N/A** **VID Number: N/A** **Address: N/A** **Phone #& Fax #: N/A** **Email: N/A**	**Name:** _____ ***(Please Print)*** **Title:** _____ _____ **Signature** **Date**

VID Number is the Vendor Identification Number issued by the Comptroller. If a firm does not have a VID Number, please enter the owner's Social Security or their Federal Employee Identification Number (if incorporated).

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Item 3D

HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY

AGENDA RECOMMENDATION FORM

BOARD OF DIRECTORS	**X**	**AGENDA ITEM**	**3D**
PLANNING COMMITTEE		**DATE SUBMITTED**	**2/11/14**
FINANCE COMMITTEE		**MEETING DATE**	**2/24/14**
TECHNICAL COMMITTEE			

3. Agenda Item: **RESOLUTION 2014-11 – APPROVAL OF SUPPLEMENTAL NUMBER 2 TO PROFESSIONAL SERVICE AGREEMENT WITH DANNENBAUM ENGINEERING TO INCREASE THE MAXIMUM PAYABLE AMOUNT FOR WORK AUTHORIZATIONA NUMBER 9.**

2. Nature of Request: (Brief Overview) Attachments: X Yes ___No

Approval of Supplemental Number 2 to Professional Service Agreement with Dannanbaum Engineering to increase the maximum payable fee in the amount of $10,340,781.60 for Program and Construction Management work for SH 365, International Bridge Trade Corridor and Overweight Corridor Projects. Program and Construction Management work will be performed over the next 4 years (2014-2018).

3. Policy Implication: Board Policy, Local Government, Texas Government Code, Texas Transportation Code, TxDOT Policy

4. Budgeted: X Yes ___No ___N/A Funding Source: VRF Bond

Approved maximum payable fee	$5,827,389.25
Approved Work Authorizations 1, 3, 4, 5, 6 w/ S1-6 & 8 w/S1 *	$5,712,807.66
Maximum fee balance	$ 114,581.59
Total authorized for WA 1, 3, 4, 5, 6 w/ S1-6 & 8 w/S1 *	$5,712,807.66
Payments to date for WA 1, 3, 4, 5, 6 w/ S1-6 & 8	($5,395,381.37)
Work authorization balance	$ 317,426.29

*Proposed Work Authorization No. 7 with City of Pharr canceled

Proposed Supplemental No. 2 to PSA with Dannenbaum:	
Approved Maximum Payable Amount	$ 5,827,389.25
Maximum Payable Amount Balance	($114,581.59)
Program & Construction Management SH 365 & IBTC	$10,340,781.60
Total proposed Supplemental No. 2 to PSA with Dannenbaum	**$16,053,589.26**

6. Staff Recommendation**: Motion to approve Resolution 2014-10 - Approval of Supplemental Number 2 to the Professional Service Agreement with Dannenbaum Engineering in the amount of $10,340,781.60 for a revised maximum payable fee of $16,053,589.26.**

6. Program Manager's Recommendation: ___Approved ___Disapproved **X** None

7. Planning Committee's Recommendation: ___Approved ___Disapproved **X** None

8. Board Attorney's Recommendation: ___Approved ___Disapproved **X** None

9. Chief Financial Officer's Recommendation: ___Approved ___Disapproved **X** None

10. Executive Director's Recommendation: **X** Approved ___Disapproved ___None

HCRMA
HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY

Memorandum

To: Dennis Burleson, Chairman

From: Pilar Rodriguez, PE, Executive Director

Date: February 11, 2014

Re: **Approval of Supplemental Number 2 to Professional Service Agreement with Dannenbaum Engineering**

Background

At the October 27, 2011, regular meeting, the Board of Directors awarded a professional service agreement for general engineering and program management services to Dannenbaum Engineering for a maximum payable amount of $5,000,000. Subsequently, the Board approved Work Authorizations No. 1, 3, 4, 5, 6, Supplemental 1, 2, 3, 4, 5 & 6 to Work Authorization No. 6, Work Authorization Number 8 and Supplemental 1 to Work Authorization 8 in the amounts of $909,960.63, $57,750.00, $891,814.61, $832,369.93, $689,834.33, $81,309.04, $149,120.30, $346,720.31, $1,437,465.41, $117,054.83 and $460,000.00 (Supplemental 6 to Work Authorization 6 was for no increase) respectively as discussed below.

Work Authorization No. 1 - was to review prior engineering, surveying, environmental and permitting work provided to the Hidalgo County Regional Mobility Authority (HCRMA).
Work Authorization No. 2 - was cancelled by the HCRMA Board.
Work Authorization No. 3 - was to provide title reports for the State Highway 365 (SH 365) Project.
Work Authorization No. 4 - was to update the new Executive Director, oversee the update of the Traffic & Revenue study, oversee environmental clearance/preliminary design of SH 365 and oversee various other tasks related to SH 365 and IBTC Projects.
Work Authorizations No. 5 & 6 - are to continue Program Management for SH 365 and International Bridge Trade Corridor (IBTC) Projects.
Supplemental No. 1 to Work Authorization No. 6 - was to provide a sketch level Traffic & Revenue Study for overweight trucks at the Pharr International Bridge and SH 365.
Supplemental No. 2 to Work Authorization No. 6 - was to provide a Value Engineering Study for the SH 365 Project.
Supplemental No. 3 to Work Authorization No. 6 - was to provide a low level aerial flight and topographic survey for the IBTC Project.
Supplemental No. 4 to Work Authorization No. 6 – was to provide updated TRZ parcels, implementation of overweight truck corridor, manage Engineers/Surveyors/Geotech for IBTC, local environment clearance of IBTC, negotiate final PS&E for SH 365, implement ProjectWise, evaluate Toll Integrator, manage Appraisers/Title Companies/ROW Agents, implement GIS for ROW Acquisition and perform value engineering for IBTC.
Supplemental No. 5 to Work Authorization No. 6 – was to provide non-destructive vertical utility locations for design of final PS&E for the SH 365 Project.
Supplemental No. 6 to Work Authorization No. 6 – was to revise the scope of services to include additional environmental coordination meeting required by TxDOT, as well as, analysis, meetings, exhibits and estimates for intervention in the Cross Valley Project.
Work Authorization No. 8 – was to provide continued program management for the SH 365 and Overweight Corridor Projects only.
Supplemental 1 to Work Authorization No. 8 – is proposed to revise the scope of work to include the IBTC Project and to deduct balance of work and close out the Work Authorization No. 8.
Proposed Work Authorization No. 9 – is pending Board approval.

Goal
If the proposed Supplemental to Work Authorization No. 8 and Work Authorization No. 9 for Program and Construction Management for the State Highway 365 and International Bridge Trade Corridor Projects is approved by the Board of Directors, the maximum payable fee for Dannanbum Engineering's Professional Service Agreement will need to be increased in the amount of $10,340,781.60.

Options
If Work Authorization No. 9 is disapproved, Supplemental No. 2 to the Professional Service Agreement will not require approval.

Recommendation
Based on review by this office, **approval of Resolution 2014-11 – Approval of Supplemental Number 2 to the Professional Service agreement with Dannenbaum Engineering in the amount of $10,340,781.60 is recommended, for a revised maximum payable fee in the amount of $16,053,589.26.**

If you should have any questions or require additional information, please advise.

HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY

BOARD RESOLUTION No. 2014 – 11

APPROVAL SUPPLEMENTAL NUMBER 2 TO PROFESSIONAL SERVICES AGREEMENT WITH DANNENBAUM ENGINEERING TO INCREASE THE MAXIMUM PAYABLE AMOUNT FOR WORK AUTHORIZATION NUMBER 9

THIS RESOLUTION is adopted this 22nd day of January, 2014, by the Board of Directors of the Hidalgo County Regional Mobility Authority at a regular meeting.

WHEREAS, the Hidalgo County Regional Mobility Authority (the "Authority"), acting through its Board of Directors (the "Board"), is a regional mobility authority created pursuant to Chapter 370, Texas Transportation Code, as amended (the "Act"); and

WHEREAS, the Authority is authorized by the Act to address mobility issues in and around Hidalgo County; and

WHEREAS, on October 27, 2011 the Authority awarded a professional service agreement for general engineering and program management services to Dannenbaum Engineering Corporation in the maximum payable amount of $5,000,000; and

WHEREAS, the Authority has subsequently approved Work Authorizations Numbers 1, 3, 4, 5 and 6, including Supplemental Number 1 to Work Authorization Number 4, Supplemental Numbers 1 & 2 to Work Authorization Number 5, Supplemental Numbers 1, 2, 3,4, 5 & 6 to Work Authorization Number 6 and Work Authorization Number 8 in the amounts of $909,960.63, $57,750.00, $694,355.85, $769,236.96, $920,263.67, $346,720.31, $1,437,465.41, 117,054.83 and $574,581.59 respectively; and

WHEREAS, on December 18, 2013, the Authority approved Supplemental Number 6 to Work Authorization Number 6 to the Professional Service Agreement with Dannenbaum Engineering to revise the scope of service with no increase in the Work Authorization Number 6 amount; and

WHEREAS, on January 22, 2014, the Authority approved Supplemental Number 1 to the Professional Service Agreement with Dannenbaum Engineering to increase the maximum payable amount to correspond with the approved Work Authorizations and Supplementals to Work Authorizations in the revised maximum payable amount of $5,827,389.25; and

WHEREAS, on February 24, 2014, the Authority approved Supplemental Number 1 to Work Authorization Number 8 and Work Authorization Number 9 in the amounts of ($114,581.59) and $10,340,781.60 respectively for Program and Construction Management of the State Highway 365 and International Bridge Trade Corridor Projects from 2014 to 2018: and

WHEREAS, the Authority has determined it is necessary to increase the maximum payable amount of the Professional Service Agreement with Dannenbaum Engineering to correspond with Supplemental Number 1 to Work Authorization Number 8 and Work Authorization Number 9 for a revised maximum payable amount of $16,053,589.26;

NOW THEREFORE, BE IT RESOLVED, BY THE BOARD OF DIRECTORS OF THE HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY THAT:

Section 1. The recital clauses are incorporated in the text of this Resolution as if fully restated.

Section 2. The Board hereby approves an increase to the maximum payable amount to the Professional Services Agreement with Dannenbaum Engineering Corporation in the amount of $10,340,781.60 for a revised maximum payable amount of $16,053,589.26, hereto attached as Exhibit A.

Section 3. The Board authorizes the Executive Director to execute Supplemental Number 2 to the Professional Service Agreement with Dannenbaum Engineering as approved.

*****

PASSED AND APPROVED AS TO BE EFFECTIVE IMMEDIATELY BY THE BOARD OF DIRECTORS OF THE HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY AT A REGULAR MEETING, duly posted and noticed, on the 22nd day of January, 2014, at which meeting a quorum was present.

Dennis Burleson, Chairman

Ricardo Perez, Secretary/Treasurer

EXHIBIT A

SUPPLEMENTAL NUMBER 2
TO
PROFESSIONAL SERVICE AGREEMENT WITH DANNENBAUM ENGINEERING CORPORATION DATED OCTOBER 27, 2011
INCREASING THE MAXIMUM PAYABLE AMOUNT

♦Contract♦

Hidalgo County
Regional Mobility Authority
(HCRMA)(Authority)

PROGRAM MANAGEMENT
CONSULTANT PROJECT

Engineering Services for any and all Services Required for the Development of all Projects undertaken by the Authority including the Entire Loop Project

SA 2 to Main Contract

February 17, 2014

DANNENBAUM

SUPPLEMENTAL AGREEMENT NO. __2__
TO PROFESSIONAL SERVICES
AGREEMENT FOR PROGRAM MANAGEMENT ENGINEERING SERVICES
Dated 10/27/2011

THIS SUPPLEMENTAL AGREEMENT NO. 1 TO MAIN CONTRACT is made pursuant to the terms and conditions of "Article II Agreement Period and III Compensation and Attachment A General Provisions Section 6 Supplemental Agreements of that certain Professional Services Agreement for Program Management Engineering Services Dated 10/27/2011" hereinafter identified as the "Agreement," entered into by and between the Hidalgo County Regional Mobility Authority (Authority), and Dannenbaum Engineering Corporation (the Engineer).

The following terms and conditions of the Agreement are hereby amended as follows:

Article III Compensation
Article III Compensation shall be amended to increase the amount payable under this contract from $5,827,389.25 to $16,035,589.26 in response to the reduction in Supplemental Work Authorization No. 1 to Work Authorization No. 8 in the amount of $114,581.59 and the increase in Work Authorization No. 9 in the amount of $10,340,781.60.

This Supplemental Agreement No. 2 to the Main Contract shall become effective on the date of final execution of the parties hereto. All other terms and conditions of the Agreement not hereby amended are to remain in full force and effect.

IN WITNESS WHEREOF, this Supplemental Agreement is executed in duplicate counterparts and hereby accepted and acknowledged below.

THE ENGINEER	**THE AUTHORITY**
_____	_____
(Signature)	(Signature)
_____	_____
(Printed Name)	(Printed Name)
_____	_____
(Title)	(Title)
_____	_____
(Date)	**(Date)**

Item 3E

HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY

AGENDA RECOMMENDATION FORM

BOARD OF DIRECTORS	**X**	**AGENDA ITEM**	**3E**
PLANNING COMMITTEE		**DATE SUBMITTED**	**2/11/14**
FINANCE COMMITTEE		**MEETING DATE**	**2/24/14**
TECHNICAL COMMITTEE			

1. Agenda Item: **RESOLUTION 2014-12 – APPROVAL OF SUPPLEMENTAL NO. 8 TO PROFESSIONAL SERVICE AGREEMENT WITH ATKINS NORTH AMERICA TO PREPARE A CATEGORICAL EXCLUSION DOCUMENT TO TEXAS DEPARTMENT OF TRANSPORTATION APPROVAL FOR EARLY ACQUISITION FOR THE INTERNATIONAL BRIDGE TRADE CORRIDOR PROJECT.**

2. Nature of Request: (Brief Overview) Attachments: X Yes ___ No

   Approval of Supplemental No. 8 to Professional Service Agreement with Atkins North America to prepare a categorical exclusion document for the International Bridge Trade Corridor Project to allow for early right of way acquisition in the amount of $76,851.78.

3. Policy Implication: Board Policy, Local Government Code, Texas Government Code, Texas Transportation Code, TxDOT Policy

4. Budgeted: X Yes ___ No ___ N/A Funding Source: VRF Bond

5. Staff Recommendation**: Motion to approve Resolution 2014-12 – Approval of Supplemental No. 8 to Professional Service Agreement with Atkins North America in the amount of $76,851.78 is recommended.**

6. Program Manager's Recommendation: **X** Approved ___ Disapproved ___ None

7. Planning Committee's Recommendation: ___ Approved ___ Disapproved **X** None

8. Board Attorney's Recommendation: ___ Approved ___ Disapproved **X** None

9. Chief Financial Officer's Recommendation: ___ Approved ___ Disapproved **X** None

10. Executive Director's Recommendation: **X** Approved ___ Disapproved ___ None

HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY

BOARD RESOLUTION No. 2014 – 12

SUPPLEMENTAL NUMBER 8 TO PROFESSIONAL CONSULTING AGREEMENT WITH ATKINS NORTH AMERICA, INC. TO PREPARE A CATEGORICAL EXCLUSION DOCUMENT TO OBTAIN TEXAS DEPARTMENT OF TRANSPORTATION APPROVAL FOR EARLY RIGHT OF WAY ACQUISITION FOR THE INTERNATIONAL BRIDGE TRADE CORRIDOR PROJECT

THIS RESOLUTION is adopted this 24th day of February, 2014 by the Board of Directors of the Hidalgo County Regional Mobility Authority at a regular meeting.

WHEREAS, the Hidalgo County Regional Mobility Authority (the "Authority"), acting through its Board of Directors (the "Board"), is a regional mobility authority created pursuant to Chapter 370, Texas Transportation Code, as amended (the "Act"); and

WHEREAS, the Authority is authorized by the Act to address mobility issues in and around Hidalgo County; and

WHEREAS, pursuant to the authority of Chapter 222 of the Texas Transportation Code, Board action on August 9, 2007, and that certain Preliminary Project Development Agreement effective March 12, 2008 (the "PDA"), the Board engaged Hidalgo County Road Builders as its pass-through agent (the "Agent") in connection with the development of the Hidalgo Loop System (collectively, the "Project") and the Agent entered into a contract for environmental consulting services for all sections of the Project (the "Contract") with PBS&J Corporation (now Atkins North America) (the "Consultant"); and

WHEREAS, on April 10, 2008 the Authority accepted assignment of the Contract from the Agent, establishing that environmental work related to the Project would be performed under the supervision of the Authority and not the Agent (the "Assigned Contract" or the "Agreement") in the amount of $3,056,000; and

WHEREAS, the Authority has subsequently approved Supplemental Numbers 1 to 6 in the amounts of $1,149,000, ($2,168,200), $800,129, $221,853, ($146,091) and $0.0 respectively for revised agreement amount of $2,912,691.00; and

WHEREAS, on October 16, 2013, the Authority approved Supplemental Number 7 of the professional consulting agreement with Atkins North America, Inc. to deduct the US Connector Project to FM 495 in the deduct amount of ($71,433.58) for a revised agreement amount of $2,841,257.42.; and

WHEREAS, the Authority has determined it is necessary to approve Supplemental Number 8 of the professional consulting agreement with Atkins North America, Inc. to prepare a categorical exclusion document to obtain Texas Department of Transportation approval for early right of way acquisition for the International Bridge Trade Corridor Project in the amount of $76,851.78 for a revised agreement amount of $2,918,109.20;

NOW THEREFORE, BE IT RESOLVED, BY THE BOARD OF DIRECTORS OF THE HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY THAT:

Section 1. The recital clauses are incorporated in the text of this Resolution as if fully restated.

Section 2. The Board hereby approves the Supplemental Number 8 to the professional consulting agreement with Atkins North America, Inc. attached hereto as Exhibit A.

Section 3. The Board authorizes the Executive Director to execute Supplemental Number 8 of the professional consulting agreement with Atkins North America, Inc. as approved.

*****

PASSED AND APPROVED AS TO BE EFFECTIVE IMMEDIATELY BY THE BOARD OF DIRECTORS OF THE HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY AT A REGULAR MEETING, duly posted and noticed, on the 24th day of February, 2014, at which meeting a quorum was present.

Dennis Burleson, Chairman

Ricardo Perez, Secretary/Treasurer

EXHIBIT A

SUPPLEMENTAL NO. 8 TO PROFESSIONAL SERVICE AGREEMENT WITH
ATKINS NORTH AMERICA
DATED APRIL 10, 2008

SUPPLEMENTAL CONSULTING AGREEMENT

BETWEEN

CLIENT AND CONSULTANT

FOR PROFESSIONAL SERVICES

HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY PROJECTS

Hidalgo County, Texas

THIS IS SUPPLEMENTAL AGREEMENT **08** between **Hidalgo County Regional Mobility Authority (HCRMA)** ("CLIENT") and **ATKINS**, formerly **PBS&J** ("CONSULTANT").

I. CLIENT and CONSULTANT have entered into an agreement dated September 25, 2008, to conduct **Preliminary Planning (Phase One)** and National Economic Policy Act (**NEPA) Environmental Assessment (Phase Two) Studies** for the proposed Hidalgo Loop (Sections A, B, C, D, A3) in Hidalgo County, Texas.

Phase One studies consist of tasks to be completed prior to formal initiation of NEPA studies and includes services leading up to the selection of the preferred alignment for each Section. Phase Two studies consist of tasks to be completed during NEPA studies and include conducting environmental analyses of the preferred alignment to support the environmental documentation efforts.

- **Supplemental Agreement 01** expanded the scope and budget by adding Sections E, F, and Farm-to-Market Road (FM) 1925 Extension to Hidalgo Loop system.

- **Supplemental Agreement 02** redefined the project concept and scope of the proposed Hidalgo Loop resulting in reduction in scope and budget. Changes included reduction in Section A limits; Section B limits were changed to connect to the Pharr and Donna International bridges; incorporation of Section A3 into Section B; termination of Phase Two tasks for Sections C, D, E, and F; and termination of Phase One and Two tasks for the FM 1925 Extension.

- **Supplemental Agreement 03** addressed the change in project concept and scope and redefined the projects for development by the HCRMA as the Hidalgo International Bridge Trade Corridor (IBTC) and the Trade Corridor Connector (TCC). Supplemental Agreement 03 also consolidated services as identified in Supplemental Agreement 02 and provided additional scope of services to complete the environmental process for project development for the IBTC and TCC.

- **Supplemental Agreement 04** included services necessary to prepare environmental documents for proposed interchanges at the Anzalduas General Services Administration (GSA) facility and at US 83/IBTC.

- **Supplemental Agreement 05** included services to conduct a Phase II Environmental Site Assessment (ESA) for the Donna Reservoir; to revise the project limits in the environmental assessment based on removal of the US 281 Overpass and Border Safety Inspection Facility Connector; to support the Client with International Boundary and Water Commission (IBWC), North American Development Bank (NADBank), and Border Environment Cooperation Commission (BECC) coordination and IBWC permitting; and reduction of scope and fee based on discontinuation of all work on the Anzalduas GSA Connector and the TCC.

- **Supplemental Agreement 06** addresses obtaining HCRMA's environmental decision for the existing environmental document.

- **Supplemental Agreement 07** extends the contract end date to September 30, 2014, for the IBTC project and terminates the work to prepare environmental documents for the US 83 Connector to SH 495 project.

- **Supplemental Agreement 08** entails preparation of a non-federal highway administration categorical exclusion document in order to obtain TxDOT's approval for the HCRMA to conduct early right-of-way acquisition along the proposed project corridor.

II. The scope of services, budget to complete this effort, and the anticipated schedule associated with Supplemental 08 is included as Attachments M-1, M-2, and M-3 to this agreement.

III. The amount of **Supplemental Agreement 08** results in a net contract increase of **$76,851.78**. With this supplemental agreement, the maximum amount payable has been increased from **$2,841,257.42** to **$2,918,109.20** (see Attachment M-2).

IV. **Supplemental Agreement 07** shall become effective on the date of final execution of the parties hereto. All other terms and conditions not hereby amended are to remain in full force and effect.

This Agreement is hereby accepted and acknowledged below.

CONSULTANT	**CLIENT**
_____	_____
Tracy Hill, P.E.	Pilar Rodriguez, PE
Vice President	Executive Director
Atkins (formerly PBS&J)	Hidalgo County Regional Mobility Authority
Date: _____	Date: _____

ATTACHMENT M-1: Services to be Provided by the Consultant
ATTACHMENT M-2: Fee Summary
ATTACHMENT M-3: Schedule

ATTACHMENT M-1
SERVICES TO BE PROVIDED BY THE CONSULTANT

Hidalgo County Regional Mobility Authority
International Bridge Trade Corridor

The work to be performed by the Consultant under this agreement with Hidalgo County Regional Mobility Authority (HCRMA) (Client) will consist of preparing a Non-Federal highway administration Categorical Exclusion (CE) to conduct early right-of-way (ROW) acquisition for the proposed International Bridge Trade Corridor (IBTC) from the SH 365/FM 3072 intersection east then north to the Interstate 2 Highway and east to Farm-to-Market (FM) 493 in Hidalgo County, Texas. This scope of services and subsequent fee proposal is based on a total of 286 parcels proposed for early ROW acquisition.

2.7 PROJECT MANAGEMENT AND ADMINISTRATION

The Consultant will be responsible for the oversight of all the activities required to complete the scope of services outlined herein. Frequent and appropriate communications will be maintained between the Consultant and Client in an effort to expedite completion of the project. The following items are included in the management tasks:

- Provide monthly status reports to Client in conjunction with monthly invoices
- Manage invoices and organize and manage project billings and filings

4.0 EARLY ROW ACQUISITION CATEGORICAL EXCLUSION

The Consultant will prepare a draft Categorical Exclusion (CE) for the IBTC project. The CE will be prepared in accordance with 23 Code of Federal Regulations (CFR) 771.117(d)(12) and Texas Department of Transportation *Standards of Uniformity (SOU) for Project without Federal Highway Administration (FHWA) Involvement* as outlined below.

4.2 Draft CE

The Draft CE outline shall contain the following:

- Proposed Action
- Introduction
- Early Acquisition Option Contract
- Project Cost Estimate
- Need and Purpose

- Alternatives
  - Action Alternative
  - No-Action Alternative
- Surrounding Area
- Specific Areas of Environmental Concern
- Socio-economics
  - Community Impacts
  - Environmental Justice
  - Limited English Proficiency
  - Public Facilities and Services
- Special ROW Acquisitions
  - Section 4(f)
  - Other Displacements
- Cultural Resources
  - Historic Resources
  - Archeological Resources
- Invasive Species and Beneficial Landscape Practices
- Vegetation
- Water Quality/Resources
  - Lakes, Rivers, and Streams
  - Wild and Scenic Rivers
  - Waters of the U.S., including Wetlands
  - Floodplains Federal Emergency Management Agency (FEMA)
  - International Boundary and Water Commission (IBWC)
  - Water Quality
- Soils/Farmland
- Traffic Noise
- Hazardous Materials
  - Visual Survey
  - Regulatory Records Review
  - Construction Impacts
- Threatened and Endangered Species/Wildlife Habitat
  - Wildlife Habitat
  - Migratory Bird Treaty Act
  - Fish and Wildlife Coordination Act
  - Essential Fish Habitat
- Air Quality
  - Traffic Air Quality Analysis
  - Mobile Source Air Toxics
- Permits/Commitments
- Public Involvement
- Non-Federal CE Findings

4.3 Categorical Exclusion Revisions

The Consultant shall submit an electronic copy of the initial Draft CE to Client for review and respond to one round of comments. Upon Client's concurrence that comments have been adequately addressed, the Consultant shall submit the Final Draft CE for TxDOT Pharr District's review and respond to one round of comments. Upon TxDOT Pharr District's concurrence that comments have been adequately addressed, the Consultant shall finalize the CE and submit the Final CE for TxDOT Pharr District's approval.

Deliverables:

- Initial Draft CE (electronic copy to Client)
- Draft CE (2 copies and electronic copy to Client and TxDOT Pharr District)
- Final Draft CE (electronic copies for TxDOT Pharr District's for concurrence review)
- Final CE (2 copies to Client and TxDOT Pharr District for approval)

Assumptions:

- Client will provide a listing of the property data to include the parcel number, general parcel location, legal description, area of property to be acquired, and the property type/land use for all 286 parcels.
- Completion of the NFCE will not require field survey for historic resources. A complete historic resources survey conforming to TxDOT SOU will be completed prior to commencement of any construction activities within the area of potential (APE).
- The results of the records review and map analysis to identify historic resource constraints and localities will be summarized in table form to avoid completing individual write-ups for each tract
- Tracts of similar character (i.e. those with no visible standing structures or that just contain irrigation-related resources) will be assessed and discussed as a group within the document
- Individual maps of each parcel depicting historic resource locations will not be required; rather, previously designated resources identified during the records review effort will be included on a map book containing information on the entire project area.

ATKINS

Hidalgo County RMA

International Bridge Trade Corridor

Environmental Services Contract

ATTACHMENT M-2

SUPPLEMENTAL AGREEMENT 08 FEE PROPOSAL

Contracts	Description	Date of Signed Contractual Agreement	Agreement Amount	Contractual Agreement Balance
Original Contract	Hidalgo Loop (Sections A - D & A3)	April 10, 2008	$3,056,000	$3,056,000
Supplemental Agreement 01	Hidalgo Loop (Sections E, F & FM 1925 Extension)	September 25, 2008	$1,149,000	$4,205,000
Supplemental Agreement 02	Termination of Phase Two Tasks for Sections E, F & FM 1925 Extension	September 16, 2009	($2,168,200)	$2,036,800
Supplemental Agreement 03	Redefinition to TCC (Formerly Section A) and IBTC (Formerly Sections B & A3)	March 3, 2010	$800,129	$2,836,929
Supplemental Agreement 04	Addition of Anzalduas GSA Connector and US 83 Direct Connector	April 5, 2010	$221,853	$3,058,782
Supplemental Agreement 05	IBTC Phase II Site Assessment, IBTC Revised Limits (w/o US 281/IBTC), and termination of Anzalduas GSA	October 27, 2010	($146,091)	$2,912,691
Supplemental Agreement 06	IBTC Environmental Decision	May 14, 2012	$76,851.78	$2,989,543
Supplemental Agreement 07	IBTC Date Extension and termination of US 83 Direct Connector to SH 495	October 22, 2013	($71,433.58)	$2,841,257.42
Supplemental Agreement 08	IBTC Early ROW Acquisition CE		$76,851.78	$2,918,109.20

ATKINS

Hidalgo County RMA

International Bridge Trade Corridor

Environmental Services Contract

Supplemental 08

COMBINED FEE PROPOSAL

	IBTC Environmental Services	Supplemental 08
2.1	DATA COLLECTION (ROE)	$0
2.2	NEED AND PURPOSE & ALTERNATIVES	$0
2.3	PUBLIC INVOLVEMENT	$0
2.4	ENVIRONMENTAL DOCUMENT*	$0
2.5	SECTION 404 DELINEATION	$0
2.6	CULTURAL RESOURCES	$0
2.7	NEPA/ENVIRONMENTAL TASK MANAGEMENT	$13,126
3.1	PHASE II SITE ASSESSMENT	$0
4.0	EARLY ROW ACQUISITION CE	$62,468
5.0	TECHNICAL REPORTS	$0
6.0	ENVIRONMENTAL CLASSIFICATION	$0
	DIRECT EXPENSES	$1,258
	Total	**$76,852**

ATKINS

Hidalgo County RMA
International Bridge Trade Corridor
Environmental Services Contract
Supplemental 08

FEE PROPOSAL

IBTC Environmental Services		ATKINS	L&G	TOTAL
2.1	DATA COLLECTION (ROE)	$0	$0	$0
2.2	NEED AND PURPOSE & ALTERNATIVES	$0	$0	$0
2.3	PUBLIC INVOLVEMENT	$0	$0	$0
2.4	ENVIRONMENTAL DOCUMENT	$0	$0	$0
2.5	SECTION 404 DELINEATION	$0	$0	$0
2.6	CULTURAL RESOURCES	$0	$0	$0
2.7	NEPA/ENVIRONMENTAL TASK MANAGEMENT	$7,026	$6,100	$13,126
3.1	PHASE II SITE ASSESSMENT	$0	$0	$0
4.0	EARLY ROW ACQUISITION CE	$15,410	$47,058	$62,468
5.0	TECHNICAL REPORTS	$0	$0	$0
6.0	ENVIRONMENTAL CLASSIFICATION	$0	$0	$0
	DIRECT EXPENSES	$113	$1,145	$1,258
	TOTAL	**$22,548**	**$54,303**	**$76,852**

ATKINS

Hidalgo County RMA
International Bridge Trade Corridor
Environmental Services Contract
Supplemental 08

TOTAL HOURS

IBTC Environmental Services		ATKINS	L&G	TOTAL
2.1	DATA COLLECTION (ROE)	0	0	0
2.2	NEED AND PURPOSE & ALTERNATIVES	0	0	0
2.3	PUBLIC INVOLVEMENT	0	0	0
2.4	ENVIRONMENTAL DOCUMENT	0	0	0
2.5	SECTION 404 DELINEATION	0	0	0
2.6	CULTURAL RESOURCES	0	0	0
2.7	NEPA/ENVIRONMENTAL TASK MANAGEMENT	40	64	104
3.1	PHASE II SITE ASSESSMENT	0	0	0
4.0	EARLY ROW ACQUISITION CE	134	480	614
5.0	TECHNICAL REPORTS	0	0	0
6.0	ENVIRONMENTAL CLASSIFICATION	0	0	0
	TOTAL	**174**	**544**	**718**

Hidalgo County Regional Mobility Authority (HCRMA)
International Bridge Trade Corridor Environmental Services
Division of Responsiblities

TASK	TASK DESCRIPTION	ASSUMPTIONS	ATKINS ROLE	L&G ROLE
2.7	**NEPA/ENV TASK MANAGEMENT**			
	Develop & Maintain Project Schedule		**Lead**	Support
	Weekly Calls/General Purpose Meetings with HCRMA		**Lead**	Support
	Weekly Coordination with Design Engineer	2 hrs each month for 8 mths	**Lead**	Support
	Monthly Project Administration (Invoicing, Progress Reports, etc.)	2 hrs each month for 8 mths	**Lead**	Support
	Monthly HCRMA Meetings		**Lead**	Support
	Project Workshops/Briefing		**Lead**	Support
	Organize and Maintain Technical Data File		**Lead**	Support
	QA/QC		**Lead**	Support
4.0	**EARLY ROW ACQUISITION CE**			
4.1	**ENVIRONMENTAL CONSTRAINTS**		N/A	**Lead**
	Prepare Environmental Constraints Map		N/A	**Lead**
	Field work for new parcels		N/A	**Lead**
4.2	**DRAFT CE**		N/A	**Lead**
	Proposed Action		N/A	**Lead**
	Introduction		N/A	**Lead**
	Early Acquisition Option Contract		N/A	**Lead**
	Project Cost Estimate		N/A	**Lead**
	Need and Purpose		N/A	**Lead**
	Alternatives		N/A	**Lead**
	Action Alternative		N/A	**Lead**
	No-Action Alternative		N/A	**Lead**
	Surrounding Area		N/A	**Lead**
	Specific Areas of Environmental Concern		N/A	**Lead**
	Socio-Economics		N/A	**Lead**
	Community Impacts	Update census data	N/A	**Lead**
	Environmental Justice		N/A	**Lead**
	Limited English Proficiency		N/A	**Lead**
	Public Facilities and Services		N/A	**Lead**
	Special Right-Of-Way Acquisitions		N/A	**Lead**
	Section 4(f)		N/A	**Lead**
	Other Displacements		N/A	**Lead**
	Cultural Resources		**Lead**	Support
	Historic Resources	• Completion of the NFCE will not require field survey for historic resources. A complete historic resources survey conforming to TxDOT SOU will be completed prior to commencement of any construction activities within the APE. • The results of the records review and map analysis to identify historic resource constraints and localities will be summarized in table form to avoid completing individual write-ups for each tract • Tracts of similar character (i.e. those with no visible standing structures or that just contain irrigation-related resources) will be assessed and discussed as a group within the document • Individual maps of each parcel depicting historic resource locations will not be required; rather, previously designated resources identified during the records review effort will be included on a map book containing information on the entire project area.	**Lead**	Support
	Archeological Resources	Update of records review for new ROW. Assumes fieldwork for new ROW will be conducted during the techinical reporting process	**Lead**	Support
	Invasive Species and Beneficial Landscape Practices		N/A	**Lead**
	Vegetation		N/A	**Lead**
	Water Quality/Resources		N/A	**Lead**
	Lakes, Rivers, and Streams		N/A	**Lead**
	Wild and Scenic Rivers		N/A	**Lead**
	Waters of the U.S., including Wetlands		Support	**Lead**
	Floodplains Federal Emergency Management Agency (FEMA)		N/A	**Lead**
	International Boundary and Water Commission (IBWC)		N/A	**Lead**
	Water Quality		N/A	**Lead**
	Soils/Farmland		N/A	**Lead**
	Traffic Noise		N/A	**Lead**
	Hazardous Materials		N/A	**Lead**
	Visual Survey		N/A	**Lead**
	Regulatory Records Review	Updated database search	N/A	**Lead**
	Construction Impacts		N/A	**Lead**
	Habitat		N/A	**Lead**
	Wildlife Habitat		N/A	**Lead**
	Migratory Bird Treaty Act		N/A	**Lead**
	The Fish and Wildlife Coordination Act		N/A	**Lead**
	Essential Fish Habitat		N/A	**Lead**
	Air Quality		N/A	**Lead**
	Traffic Air Quality Analysis		N/A	**Lead**
	Mobile Source Air Toxics		N/A	**Lead**
	Permits/Commitments		N/A	**Lead**

Hidalgo County Regional Mobility Authority (HCRMA)
International Bridge Trade Corridor Environmental Services
Division of Responsiblities

TASK	TASK DESCRIPTION	ASSUMPTIONS	ATKINS ROLE	L&G ROLE
	Public Involvement		N/A	**Lead**
	Non Federal CE Findings		N/A	**Lead**
	Exhibits	Includes prep of maps, photos, and tables for parcels as needed	N/A	**Lead**
	Appendices		N/A	**Lead**
	QA/QC		**Lead**	N/A
4.3	**CE REVISIONS**		N/A	**Lead**
	Respond to PMC Comments	Assumes 1 round of comments	N/A	**Lead**
	Respond to District Comments	Assumes 1 round of comments	N/A	**Lead**
	Finalize CE		N/A	**Lead**

IBTC Environmental Services
Summary of Tasks and Labor Requirements Estimate

ATKINS

		PRIME CONSULTANT						
	Task	Env. Manager	Sr. Scientist I	Scientist II	Sr. GIS Analyst	Admin	Activity Hours	Activity Cost
	Contract Rate	$199.97	$133.31	$111.98	$115.48	$78.32		
2.7	**NEPA/ENV TASK MANAGEMENT**	32	0	0	0	8	40	$7,025.58
	Develop & Maintain Project Schedule						0	$0.00
	Weekly Calls/General Purpose Meetings with HCRMA						0	$0.00
	Weekly Coordination with Design Engineer	16					16	$3,199.50
	Monthly Project Administration (Invoicing, Progress Reports, etc.)	16				8	24	$3,826.07
	Monthly HCRMA Meetings						0	$0.00
	Project Workshops/Briefing						0	$0.00
	Organize and Maintain Technical Data File						0	$0.00
	QA/QC						0	$0.00
4.0	**EARLY ROW ACQUISITION CE**	0	16	100	18	0	134	$15,409.95
4.1	**ENVIRONMENTAL CONSTRAINTS**						0	$0.00
	Prepare Environmental Constraints Map						0	$0.00
	Field work for new parcels						0	$0.00
4.2	**DRAFT CE**						0	$0.00
	Proposed Action						0	$0.00
	Introduction						0	$0.00
	Early Acquisition Option Contract						0	$0.00
	Project Cost Estimate						0	$0.00
	Need and Purpose						0	$0.00
	Alternatives						0	$0.00
	Action Alternative						0	$0.00
	No-Action Alternative						0	$0.00
	Surrounding Area						0	$0.00
	Specific Areas of Environmental Concern						0	$0.00
	Socio-Economics						0	$0.00
	Community Impacts						0	$0.00
	Environmental Justice						0	$0.00
	Limited English Proficiency						0	$0.00
	Public Facilities and Services						0	$0.00
	Special Right-Of-Way Acquisitions						0	$0.00
	Section 4(f)			8	2		10	$1,126.83
	Other Displacements						0	$0.00
	Cultural Resources						0	$0.00
	Historic Resources		4	80	8		92	$10,415.72
	Archeological Resources		4	12			16	$1,877.04
	Invasive Species and Beneficial Landscape Practices						0	$0.00
	Vegetation						0	$0.00
	Water Quality/Resources						0	$0.00
	Lakes, Rivers, and Streams						0	$0.00
	Wild and Scenic Rivers						0	$0.00
	Waters of the U.S., including Wetlands		8		8		16	$1,990.36
	Floodplains Federal Emergency Management Agency (FEMA)						0	$0.00
	International Boundary and Water Commission (IBWC)						0	$0.00
	Water Quality						0	$0.00
	Soils/Farmland						0	$0.00
	Traffic Noise						0	$0.00
	Hazardous Materials						0	$0.00
	Visual Survey						0	$0.00
	Regulatory Records Review						0	$0.00
	Construction Impacts						0	$0.00
	Threatened and Endangered Species/Wildlife Habitat						0	$0.00

IBTC Environmental Services
Summary of Tasks and Labor Requirements Estimate

ATKINS

		PRIME CONSULTANT						
	Task	Env. Manager	Sr. Scientist I	Scientist II	Sr. GIS Analyst	Admin	Activity Hours	Activity Cost
	Contract Rate	$199.97	$133.31	$111.98	$115.48	$78.32		
	Wildlife Habitat						0	$0.00
	Migratory Bird Treaty Act						0	$0.00
	The Fish and Wildlife Coordination Act						0	$0.00
	Essential Fish Habitat						0	$0.00
	Air Quality						0	$0.00
	Traffic Air Quality Analysis						0	$0.00
	Mobile Source Air Toxics						0	$0.00
	Permits/Commitments						0	$0.00
	Public Involvement						0	$0.00
	Non Federal CE Findings						0	$0.00
	Exhibits						0	$0.00
	Appendices						0	$0.00
	QA/QC						0	$0.00
4.3	**CE REVISIONS**						0	$0.00
	Respond to PMC Comments						0	$0.00
	Respond to District Comments						0	$0.00
	Finalize CE						0	$0.00
	Totals	**32**	**16**	**100**	**18**	**8**	**174**	**$22,435.53**

IBTC Environmental Services

Summary of Expense Estimate

ATKINS

DIRECT COST ITEMS	AMOUNT	UNIT	RATE	TOTAL
Airfare	0	RT	$350.00	$0.00
Mileage	40	MILE	$0.57	$22.80
Digital Camera Usage	0	DAY	$7.00	$0.00
Records Curation	0	DRW	$1,455.30	$0.00
Printing and Photocopying	0	-		
-Photocopies 8 ½"x11"	100	EA	$0.10	$10.00
-Photocopies 11"x17"	10	EA	$0.15	$1.50
-Color Photocopies 8 ½"x11"	10	EA	$0.15	$1.50
-Color Photocopies 11"x17"	10	EA	$0.20	$2.00
Plots	0	-		
-Bond (Black & White)	0	SF	$1.50	$0.00
-Mylar (Black & White)	0	SF	$1.50	$0.00
- Bond (Color)	0	SF	$1.25	$0.00
-Mylar (Color)	0	SF	$4.00	$0.00
-Color Paper (Photo Quality)	0	SF	$5.00	$0.00
Lodging (per person)	0	DAY	$85.00	$0.00
Meals (per person)	0	DAY	$36.00	$0.00
Car Rental	0	DAY	$65.00	$0.00
Rental Car Fuel (10 gallons/rental car/day)	0	DAY	$3.00	$0.00
Noise Meter Rental	0	EA	$530.00	$0.00
HazMat Data Search	0	LS	$750.00	$0.00
Editing	0	Hr	$75.00	$0.00
Mailings/Postage	0	LS	$0.44	$0.00
Backhoe and Operator	0	Day	$1,600.00	$0.00
Public Meeting/Hearing Exhibits	0	EA	$50.00	$0.00
Public Meeting/Hearing Facility Rental	0	Day	$300.00	$0.00
Newspaper Advertisements	0	EA	$1,500.00	$0.00
Public Meeting/Hearing Material	0	EA	$45.00	$0.00
GPS	0	Day	$50.00	$0.00
ATV	0	Day	$100.00	$0.00
Miscellaneous Field Expenses	0	Day	$50.00	$0.00
Court Reporter	0	EA	$500.00	$0.00
Overnight Delivery Services	5	EA	$15.00	$75.00

TOTAL EXPENSES $112.80

International Bridge Trade Corridor
Environmental Services
Rate Schedule

ATKINS

Labor/Staff Classification	Hourly Base Rate Year 2009	Hourly Base Rate Year 2011	Hourly Base Rate Year 2012	Hourly Base Rate Year 2013	Hourly Base Rate Year 2014	Contract Rate FY14 - FY 15
Principal	$ 80.00	$ 86.00	$ 88.58	$ 91.24	$ 93.97	$ 286.62
Environmental Manager	$ 60.00	$ 60.00	$ 61.80	$ 63.65	$ 65.56	$ 199.97
Sr. Planner	$ 49.00	$ 51.50	$ 53.05	$ 54.64	$ 56.28	$ 171.64
Planner II	$ 40.00	$ 40.00	$ 41.20	$ 42.44	$ 43.71	$ 133.31
Planner I	$ 29.00	$ 30.00	$ 30.90	$ 31.83	$ 32.78	$ 99.98
Sr. Scientist II-Environmental	$ 46.50	$ 48.00	$ 49.44	$ 50.92	$ 52.45	$ 159.98
Sr. Scientist I-Environmental	$ 38.50	$ 40.00	$ 41.20	$ 42.44	$ 43.71	$ 133.31
Scientist II-Environmental	$ 32.00	$ 33.60	$ 34.61	$ 35.65	$ 36.72	$ 111.98
Scientist I-Environmental	$ 23.50	$ 23.50	$ 24.21	$ 24.93	$ 25.68	$ 78.32
Science Technician	$ 17.00	$ 19.55	$ 20.14	$ 20.74	$ 21.36	$ 65.16
Sr. Engineer	$ 60.00	$ 63.00	$ 64.89	$ 66.84	$ 68.84	$ 209.97
Senior CADD Operator	$ 33.00	$ 33.60	$ 34.61	$ 35.65	$ 36.72	$ 111.98
CADD Operator	$ 24.00	$ 24.68	$ 25.42	$ 26.18	$ 26.96	$ 82.24
Sr. GIS Analyst	$ 33.00	$ 34.65	$ 35.69	$ 36.76	$ 37.86	$ 115.48
GIS Analyst	$ 25.00	$ 25.73	$ 26.50	$ 27.29	$ 28.11	$ 85.74
Admin/Clerical/Word Processor	$ 23.50	$ 23.50	$ 24.21	$ 24.93	$ 25.68	$ 78.32

IBTC Environmental Services
Summary of Tasks and Labor Requirements Estimate

		SUBCONSULTANT						
	Task	Sr. Sci-Environmental	Sci-Environmental II	Sci-Environmental I	GIS Analyst	Admin/ Clerical	Activity Hours	Activity Cost
	Contract Rate	$134.20	$100.65	$85.40	$97.60	$56.43		
2.7	**NEPA/ENV TASK MANAGEMENT**	32	0	0	0	32	64	$6,100.00
	Develop & Maintain Project Schedule						0	$0.00
	Weekly Calls/General Purpose Meetings with HCRMA						0	$0.00
	Weekly Coordination with Design Engineer	16				16	32	$3,050.00
	Monthly Project Administration (Invoicing, Progress Reports, etc.)	16				16	32	$3,050.00
	Monthly HCRMA Meetings						0	$0.00
	Project Workshops/Briefing						0	$0.00
	Organize and Maintain Technical Data File						0	$0.00
	QA/QC						0	$0.00
4.0	**EARLY ROW ACQUISITION CE**	86	150	150	56	38	480	$47,058.45
4.1	**ENVIRONMENTAL CONSTRAINTS**						0	$0.00
	Prepare Environmental Constraints Map	8	16		16		40	$4,245.60
	Field work for new parcels		16	16			32	$2,976.80
4.2	**DRAFT CE**						0	$0.00
	Proposed Action						0	$0.00
	Introduction	4				2	6	$649.65
	Early Acquisition Option Contract	4					4	$536.80
	Project Cost Estimate	2				2	4	$381.25
	Need and Purpose	4					4	$536.80
	Alternatives						0	$0.00
	Action Alternative	8					8	$1,073.60
	No-Action Alternative	8				2	10	$1,186.45
	Surrounding Area			2			2	$170.80
	Specific Areas of Environmental Concern			1			1	$85.40
	Socio-Economics						0	$0.00
	Community Impacts		16				16	$1,610.40
	Environmental Justice		16				16	$1,610.40
	Limited English Proficiency		16				16	$1,610.40
	Public Facilities and Services		1				1	$100.65
	Special Right-Of-Way Acquisitions						0	$0.00
	Section 4(f)		1				1	$100.65
	Other Displacements		1				1	$100.65
	Cultural Resources						0	$0.00
	Historic Resources		2				2	$201.30
	Archeological Resources		2				2	$201.30
	Invasive Species and Beneficial Landscape Practices		1				1	$100.65
	Vegetation		1				1	$100.65
	Water Quality/Resources			1			1	$85.40
	Lakes, Rivers, and Streams			1			1	$85.40

IBTC Environmental Services
Summary of Tasks and Labor Requirements Estimate

		SUBCONSULTANT						
	Task	Sr. Sci-Environmental	Sci-Environmental II	Sci-Environmental I	GIS Analyst	Admin/ Clerical	Activity Hours	Activity Cost
	Contract Rate	$134.20	$100.65	$85.40	$97.60	$56.43		
	Wild and Scenic Rivers			1			1	$85.40
	Waters of the U.S., including Wetlands			16			16	$1,366.40
	Floodplains Federal Emergency Management Agency (FEMA)			16			16	$1,366.40
	International Boundary and Water Commission (IBWC)			1			1	$85.40
	Water Quality			1			1	$85.40
	Soils/Farmland			1			1	$85.40
	Traffic Noise			1			1	$85.40
	Hazardous Materials			1			1	$85.40
	Visual Survey			8			8	$683.20
	Regulatory Records Review			8			8	$683.20
	Construction Impacts			2			2	$170.80
	Threatened and Endangered Species/Wildlife Habitat						0	$0.00
	Wildlife Habitat			16			16	$1,366.40
	Migratory Bird Treaty Act			1			1	$85.40
	The Fish and Wildlife Coordination Act			1			1	$85.40
	Essential Fish Habitat			1			1	$85.40
	Air Quality						0	$0.00
	Traffic Air Quality Analysis		1				1	$100.65
	Mobile Source Air Toxics		1				1	$100.65
	Permits/Commitments		1				1	$100.65
	Public Involvement		4				4	$402.60
	Non Federal CE Findings	2				2	4	$381.25
	Exhibits		24	24	24	8	80	$7,259.00
	Appendices		8	8		8	24	$1,939.80
	QA/QC	24				8	32	$3,672.20
4.3	**CE REVISIONS**						0	$0.00
	Respond to PMC Comments	10	10	10	8	2	40	$4,096.15
	Respond to District Comments	10	10	10	8	2	40	$4,096.15
	Finalize CE	2	2	2		2	8	$753.35
	Totals	**118**	**150**	**150**	**56**	**70**	**544**	**$53,158.45**

IBTC Environmental Services

Summary of Expense Estimate

DIRECT COST ITEMS	AMOUNT	UNIT	RATE	TOTAL
Airfare	0	RT	$350.00	$0.00
Mileage	500	MILE	$0.57	$285.00
Digital Camera Usage	5	DAY	$7.00	$35.00
Records Curation	0	DRW	$1,455.30	$0.00
Printing and Photocopying		-		
-Photocopies 8 ½"x11"	300	EA	$0.10	$30.00
-Photocopies 11"x17"	0	EA	$0.15	$0.00
-Color Photocopies 8 ½"x11"	300	EA	$0.15	$45.00
-Color Photocopies 11"x17"	0	EA	$0.20	$0.00
Plots		-		
-Bond (Black & White)	0	SF	$1.50	$0.00
-Mylar (Black & White)	0	SF	$1.50	$0.00
- Bond (Color)	0	SF	$1.25	$0.00
-Mylar (Color)	0	SF	$4.00	$0.00
-Color Paper (Photo Quality)	0	SF	$5.00	$0.00
Lodging (per person)	0	DAY	$85.00	$0.00
Meals (per person)	0	DAY	$36.00	$0.00
Car Rental	0	DAY	$65.00	$0.00
Rental Car Fuel (10 gallons/rental car day)	0	DAY	$3.00	$0.00
Noise Meter Rental	0	EA	$750.00	$0.00
HazMat Data Search	1	LS	$750.00	$750.00
Editing	0	Hr	$75.00	$0.00
Mailings/Postage	0	LS	$0.44	$0.00
Backhoe and Operator	0	Day	$1,600.00	$0.00
Public Meeting/Hearing Exhibits	0	Day	$50.00	$0.00
Public Hearing Facility Rental	0	EA	$300.00	$0.00
Newspaper Advertisements	0	EA	$1,500.00	$0.00
Public Meeting/Hearing Material	0	EA	$45.00	$0.00
GPS	0	Day	$50.00	$0.00
ATV	0	Day	$100.00	$0.00
Miscellaneous Field Expenses	0	Day	$50.00	$0.00
Court Reporter/Translator	0	EA	$500.00	$0.00
Overnight Delivery Services	0	EA	$15.00	$0.00

TOTAL EXPENSES $1,145.00

International Bridge Trade Corridor
Environmental Services
Rate Schedule

Labor/Staff Classification	Hourly Base Rate Year 2008	Hourly Base Rate Year 2012	Hourly Base Rate Year 2014	Contract Rate FY14 - FY15
Principal				$ -
Project Engineer	$ 45.00	$ 45.00	$ 47.00	$ 143.35
EIT	$ 24.72	$ 24.72	$ 28.00	$ 85.40
Sr. Sci-Environmental	$ 43.00	$ 43.00	$ 44.00	$ 134.20
Sci-Environmental II	$ 32.09	$ 32.09	$ 33.00	$ 100.65
Sci-Environmental I	$ 32.09	$ 32.09	$ 28.00	$ 85.40
PI Specialist	$ 32.00	$ 32.00	$ 32.00	$ 97.60
ROW Admin	$ 34.00	$ 34.00	$ 35.00	$ 106.75
ROW Agent	$ 17.75	$ 17.75	$ 18.00	$ 54.90
GIS Analyst	$ 31.25	$ 32.00	$ 32.00	$ 97.60
Admin/ Clerical	$ 17.50	$ 17.50	$ 18.50	$ 56.43

ATTACHMENT M-3
INTERNATION BRIDGE TRADE CORRIDOR (IBTC)
SUPPLEMENTAL AGREEMENT 08
SCHEDULE

Non-Federal Highway Administration
Categorical Exclusion (NFCE) for Advanced ROW Acquisition

Activity	Duration
Notice to Proceed	
Gather and develop constraints, conduct field work on new parcels, coordinate w/PMC to collect data on 286 parcels.	10 days
Draft CE	6 weeks
PMC Review	15 days
Respond to Comments	10 days
PMC Review for Concurrency	10 days
TxDOT Pharr District Review	20 days
Respond to Comments	10 days
TxDOT Pharr District Review for Concurrency	10 days
Final CE	7 days
TxDOT Pharr District Approves CE	20 days

Assumptions:

1. One round of review

Item 3F

HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY

AGENDA RECOMMENDATION FORM

BOARD OF DIRECTORS	**X**	**AGENDA ITEM**	**3F**
PLANNING COMMITTEE		**DATE SUBMITTED**	**2/11/14**
FINANCE COMMITTEE		**MEETING DATE**	**2/24/14**
TECHNICAL COMMITTEE			

2. Agenda Item: **RESOLUTION 2014-13 – APPROVAL OF SUPPLEMENTAL NO. 5 TO PROFESSIONAL SERVICE AGREEMENT WITH ATKINS NORTH AMERICA TO PREPARE A CATEGORICAL EXCLUSION DOCUMENT TO TEXAS DEPARTMENT OF TRANSPORTATION APPROVAL FOR EARLY ACQUISITION FOR THE STATE HIGHWAY 365 PROJECT.**

2. Nature of Request: (Brief Overview) Attachments: X Yes ___No

   Approval of Supplemental No. 5 to Professional Service Agreement with Atkins North America to prepare a categorical exclusion document for the State Highway 365 Project to allow for early right of way acquisition in the amount of $49,858.00.

3. Policy Implication: Board Policy, Local Government Code, Texas Government Code, Texas Transportation Code, TxDOT Policy

4. Budgeted: X Yes ___No ___N/A Funding Source: VRF Bond

5. Staff Recommendation**: Motion to approve Resolution 2014-13 – Approval of Supplemental No. 4 to Professional Service Agreement with Atkins North America in the amount of $49,858.00 is recommended.**

6. Program Manager's Recommendation: **X** Approved ___Disapproved ___None

7. Planning Committee's Recommendation: ___Approved ___Disapproved **X** None

8. Board Attorney's Recommendation: ___Approved ___Disapproved **X** None

9. Chief Financial Officer's Recommendation: ___Approved ___Disapproved **X** None

10. Executive Director's Recommendation: **X** Approved ___Disapproved ___None

HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY

BOARD RESOLUTION No. 2014 – 13

SUPPLEMENTAL NUMBER 5 TO PROFESSIONAL CONSULTING AGREEMENT WITH ATKINS NORTH AMERICA, INC. TO PREPARE A CATEGORICAL EXCLUSION DOCUMENT TO OBTAIN TEXAS DEPARTMENT OF TRANSPORTATION APPROVAL FOR EARLY RIGHT OF WAY ACQUISITION FOR THE STATE HIGHWAY 365 PROJECT

THIS RESOLUTION is adopted this 24th day of February, 2014, by the Board of Directors of the Hidalgo County Regional Mobility Authority at a regular meeting.

WHEREAS, the Hidalgo County Regional Mobility Authority (the "Authority"), acting through its Board of Directors (the "Board"), is a regional mobility authority created pursuant to Chapter 370, Texas Transportation Code, as amended (the "Act"); and

WHEREAS, the Authority is authorized by the Act to address mobility issues in and around Hidalgo County; and

WHEREAS, on February 1, 2012, the Authority awarded a professional consulting agreement for environmental services to Atkins North America, Inc. in the amount of $519,133; and

WHEREAS, on May 2, 2012, the Authority approved Supplemental Number 1in the amount of $29,534.00 for revised agreement amount of $548,667; and

WHEREAS, on October 18, 2012, the Authority to approved Supplemental Number 2 of the professional consulting agreement with Atkins North America, Inc. to perform environmental assessment documents for SH 365 from FM 396 to FM 1016 in the amount of $33,026.00 for a revised agreement amount of $581,693; and

WHEREAS, on October 16, 2013, the Authority approved Supplemental Number 3 to the professional consulting agreement with Atkins North America, Inc. to perform additional environmental assessment work for SH 365 from FM 1016 to US 281/Military Highway in the amount of $217,983.00 for a revised amount of $799,676.16; and

WHEREAS, on January 22, 2014, the Authority approved Supplemental Number 4 to the professional consulting agreement with Atkins North America, Inc. to perform additional environmental assessment work for State Highway 365 Project from FM 1016 to US 281/Military Highway, which includes archeological dating analysis and site delineation required by the Texas Department of Transportation in the amount of $199,589.00 for a revised amount of $999,265.20; and

WHEREAS, the Authority has determined it is necessary to approve Supplemental Number 5 to the professional consulting agreement with Atkins North America, Inc. to prepare a categorical exclusion document to obtain Texas Department of Transportation approval for early right of way acquisition for the State Highway 365 Project in the amount of $49,858.00 for a revised amount of $1,049,122.20;

NOW THEREFORE, BE IT RESOLVED, BY THE BOARD OF DIRECTORS OF THE HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY THAT:

Section 1. The recital clauses are incorporated in the text of this Resolution as if fully restated.

Section 2. The Board hereby approves the Supplemental Number 5 to the professional consulting agreement with Atkins North America, Inc. attached hereto as Exhibit A.

Section 3. The Board authorizes the Executive Director to execute Supplemental Number 5 of the professional consulting agreement with Atkins North America, Inc. as approved.

*****

PASSED AND APPROVED AS TO BE EFFECTIVE IMMEDIATELY BY THE BOARD OF DIRECTORS OF THE HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY AT A REGULAR MEETING, duly posted and noticed, on the 24th day of February, 2014, at which meeting a quorum was present.

_____

Dennis Burleson, Chairman

_____

Ricardo Perez, Secretary/Treasurer

EXHIBIT A

SUPPLEMENTAL NUMBER 5 TO PROFESSIONAL SERVICE AGREEMENT
WITH ATKINS NORTH AMERICA
DATED FEBRUARY 1, 2012

SUPPLEMENTAL AGREEMENT

BETWEEN

CLIENT AND CONSULTANT

FOR PROFESSIONAL ENVIRONMENTAL SERVICES

HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY PROJECTS

Hidalgo County, Texas

THIS IS SUPPLEMENTAL AGREEMENT **05** between **Hidalgo County Regional Mobility Authority (HCRMA)** ("CLIENT") and **ATKINS** ("CONSULTANT").

I. CLIENT and CONSULTANT have entered into an agreement dated March 29, 2011, to conduct **Environmental Services** for the proposed Hidalgo County State Highway 365/Trade Corridor Connector (SH 365/TCC) and United States Highway 281/International Bridge Trade Corridor Overpass (US 281/IBTC) projects and any segments thereunder.

Supplemental Agreement 01, executed on May 14, 2012, addressed the change in project concept and scope for the February 2012 HCRMA SH 365/TCC redefined project from just west of Farm-to-Market Road (FM) 396 (Bryan Road) to US 281/Military Highway, which included 2.2 miles of new alignment.

Supplemental Agreement 02, executed on November 26, 2012, removed the scope of services and budget associated with the US 281/IBTC Overpass project from the original contract; addressed the August 2012 project limits changes, which included a 3.13-mile extension from FM 396 to just west of FM 1016 and added the US 281/IBTC Overpass from US 281/Military Highway at San Juan Road and the Pharr Border Safety Inspection Facility (BSIF) connector, and included services to revise the Environmental Assessment (EA) for the modified SH 365 project limits.

Supplemental Agreement 03, executed on October 23, 2013, addressed the September 2013 project limits changes, additional archaeological trenching, additional Section 404 delineation, additional field surveys, a biological evaluation, and services to revise the EA based on the modified project limits.

Supplemental Agreement 04, executed on January 30, 2014, included macrobotanical and carbon dating analyses of archaeological deposits that were encountered in eight trenching locations, further trenching to delineate up to seven identified archaeological sites, a project-level toll analysis for inclusion in the Draft EA, and additional review cycles of the Draft EA.

This supplemental agreement **(Supplemental Agreement 05)** entails preparation of a non-federal highway administration categorical exclusion document in order to obtain TxDOT's approval for the HCRMA to conduct early right-of-way acquisition along the proposed project corridor.

Supplemental Agreement 05 provides the scope of services, budget to complete this effort, and the anticipated schedule, as outlined in Attachments N-1, N-2, and N-3.

II. The amount of **Supplemental Agreement 05** results in a net contract increase of **$49,858**. With this supplemental agreement, the maximum amount payable has been increased from **$999,265.20** to **$1,049,122.90** (see Attachment N-2).

III. **Supplemental Agreement 05** shall become effective on the date of final execution of the parties hereto. All other terms and conditions not hereby amended are to remain in full force and effect.

This Agreement is hereby accepted and acknowledged below.

CONSULTANT	**CLIENT**
_____	_____
Tracy Hill, PE	Pilar Rodriguez, PE
Vice President	Executive Director
Atkins (formerly PBS&J)	Hidalgo County Regional Mobility Authority
Date: _____	Date: _____

ATTACHMENT N-1: Services to be Provided by the Consultant
ATTACHMENT N-2: Fee Proposal
ATTACHMENT N-3: Schedule

ATTACHMENT N-1
SERVICES TO BE PROVIDED BY THE CONSULTANT

Hidalgo County Regional Mobility Authority
State Highway 365

The work to be performed by the Consultant under this agreement with Hidalgo County Regional Mobility Authority (HCRMA) (Client) will consist of preparing a non-Federal Highway Administration Categorical Exclusion (NFCE) to conduct early right-of-way (ROW) acquisition for the proposed State Highway 365 project in Hidalgo County, Texas. The project limits extend from Farm-to-Market Road (FM) 1016/Conway Avenue to US 281/Military Highway for a distance of 16.53 miles. This scope of services and subsequent fee proposal is based on a total of 278 parcels proposed for early ROW acquisition.

1.0 PROJECT MANAGEMENT AND ADMINISTRATION

The Consultant will be responsible for the oversight of all the activities required to complete the scope of services outlined herein. Frequent and appropriate communications will be maintained between the Consultant and Client in an effort to expedite completion of the project. The following items are included in the management tasks:

- Provide monthly status reports to Client in conjunction with monthly invoices
- Manage invoices and organize and manage project billings and filings

11.0 EARLY ROW ACQUISITION CATEGORICAL EXCLUSION

The Consultant will prepare a draft NFCE for the proposed SH 365 project. The CE will be prepared in accordance with 23 Code of Federal Regulations (CFR) 771.117(d)(12) and Texas Department of Transportation *Standards of Uniformity (SOU) for Project without Federal Highway Administration (FHWA)* Involvement as outlined below.

11.1 Draft CE

The Draft CE outline shall contain the following:

- Proposed Action
  - Introduction
  - Early Acquisition Option Contract
  - Project Cost Estimate
- Need and Purpose

- Alternatives
  - Action Alternative
  - No-Action Alternative
- Surrounding Area
- Specific Areas of Environmental Concern
- Socioeconomics
  - Community Impacts
  - Environmental Justice
  - Limited English Proficiency
  - Public Facilities and Services
- Special ROW Acquisitions
  - Section 4(f)
  - Other Displacements
- Cultural Resources
  - Historic Resources
  - Archeological Resources
- Invasive Species and Beneficial Landscape Practices
- Vegetation
- Water Quality/Resources
  - Lakes, Rivers, and Streams
  - Wild and Scenic Rivers
  - Waters of the U.S., including Wetlands
  - Floodplains Federal Emergency Management Agency (FEMA)
  - International Boundary and Water Commission (IBWC)
  - Water Quality
- Soils/Farmland
- Traffic Noise
- Hazardous Materials
  - Visual Survey
  - Regulatory Records Review
  - Construction Impacts
- Threatened and Endangered Species/Wildlife Habitat
  - Wildlife Habitat
  - Migratory Bird Treaty Act
  - Fish and Wildlife Coordination Act
  - Essential Fish Habitat
- Air Quality
  - Traffic Air Quality Analysis
  - Mobile Source Air Toxics
- Permits/Commitments
- Public Involvement
- Non-Federal CE Findings

11.2 Categorical Exclusion Revisions

The Consultant shall submit an electronic copy of the initial Draft CE to Client for review and respond to one round of comments. Upon Client's concurrence that comments have been adequately addressed, the Consultant shall submit the Final Draft CE for TxDOT Pharr District's review and respond to one round of comments. Upon TxDOT Pharr District's concurrence that comments have been adequately addressed, the Consultant shall finalize the CE and submit the Final CE for TxDOT Pharr District's approval.

Deliverables:

- Initial Draft CE (electronic copy to Client)
- Draft CE (2 copies and electronic copy to Client and TxDOT Pharr District)
- Final Draft CE (electronic copies for TxDOT Pharr District's for concurrence review)
- Final CE (2 copies to Client and TxDOT Pharr District for approval)

Assumptions:

- Client will provide a listing of the property data to include the parcel number, general parcel location, legal description, area of property to be acquired, and the property type/land use for all 278 parcels.
- Completion of the NFCE will not require field survey for historic resources. A complete historic resources survey conforming to TxDOT SOU will be completed prior to commencement of any construction activities within the area of potential effect (APE).
- The results of the records review and map analysis to identify historic resource constraints and localities will be summarized in table form to avoid completing individual write-ups for each tract.
- Tracts of similar character (i.e., those with no visible standing structures or that just contain irrigation-related resources) will be assessed and discussed as a group within the document.
- Individual maps of each parcel depicting historic resource locations will not be required; rather, previously designated resources identified during the records review effort will be included on a map book containing information on the entire project area.

ATKINS

Hidalgo County RMA
State Highway 365
Environmental Services Contract

Attachment N-2
Supplemental 05 Fee Proposal

Contracts	Description	Date of Signed Contractual Agreement	Contractual Agreement Amount	Contractual Agreement Balance
Original Contract	SH 365/TCC	March 29, 2011	$389,436	$271,241
	US 281/IBTC Overpass	March 29, 2011	$129,697	$82,096.67
			$519,133	**$353,338**
Supplemental Agreement 01	SH 365/TCC Modified Alignment (February 2012)	May 14, 2012	$29,534	$300,775
	US 281/IBTC Overpass		$0.00	
			$548,667	
Supplemental Agreement 02	SH 365/TCC Modified Alignment (February 2012)		$0	
	US 281/IBTC Overpass	November 26, 2012	($82,096.67)	$0
	SH 365 Modified Alignment (including US 281/IBTC Overpass and extension to FM 1016) (July 2012)	November 26, 2012	$115,122.60	$415,897.60
			$581,692.93	
Supplemental Agreement 03	Archaeological Trenching; USACE Section 404 Delineation; SH 365 Modified Alignment (Sept 2013); Biological Evaluation; Field Surveys and Draft EA Updates	October 22, 2013	$217,983	
			$799,676.16	
Supplemental Agreement 04	Archaeological Services (Dating Analysis; Delineation of Identified Sites) Draft EA Revisions (Project-level Toll Analysis; Additional Review Cycles)	January 30, 2014	$199,589	
			$999,265.20	
Supplemental Agreement 05	Early ROW Acquisition CE		$49,858	
			$1,049,122.90	

ATKINS

Hidalgo County RMA
State Highway 365
Environmental Services Contract
Supplemental 05
Attachment N-2

FEE PROPOSAL

EARLY ROW ACQUISITION CE

	SH 365 Environmental Services	Hours	Fee
1.0	PROJECT MANAGEMENT AND ADMINISTRATION	40	$6,539
2.0	AGENCY COORDINATION & PUBLIC INVOLVEMENT	0	$0
3.0	RIGHT-OF-ENTRY (ROE)	0	$0
4.0	ENVIRONMENTAL CLASSIFICATION	0	$0
5.0	ENVIRONMENTAL DOCUMENT	0	$0
6.0	SECTION 404 DELINEATION	0	$0
7.0	CULTURAL RESOURCES	0	$0
8.0	IBWC LICENSE	0	$0
9.0	SECTION 4(f) EVALUATION	0	$0
10.0	ARCHAEOLOGICAL SURVEY REPORT	0	$0
11.0	EARLY ROW ACQUISITION CE	341	$42,737
	DIRECT EXPENSES		$582
	Total	**381**	**$49,858**

SH 365 Environmental Services
Summary of Tasks and Labor Requirements Estimate

ATKINS

		PRIME CONSULTANT							
	Task	Env. Manager	Planner II	Sr. Scientist I	Scientist II	Sr. GIS Analyst	Admin	Activity Hours	Activity Cost
	Contract Rate	$199.97	$133.31	$133.31	$111.98	$115.48	$78.32		
1.0	**PROJECT MANAGEMENT AND ADMINISTRATION**	28	0	0	0	0	12	40	$6,538.99
	Project Kick-off Meeting							0	$0.00
	Project Management Plan							0	$0.00
	Develop & Maintain Project Schedule							0	$0.00
	Weekly Calls/General Purpose Meetings with HCRMA							0	$0.00
	Weekly Coordination with Design Engineer	16						16	$3,199.50
	Monthly Project Administration (Invoicing, Progress Reports, etc.)	12					12	24	$3,339.48
	Monthly HCRMA Meetings							0	$0.00
	Project Workshops/Briefing							0	$0.00
	Organize and Maintain Technical Data File							0	$0.00
11.0	**EARLY ROW ACQUISITION CE**	26	83	41	109	64	18	341	$42,736.72
11.1	**DRAFT CE**		16				8	24	$2,759.57
	Proposed Action							0	$0.00
	Introduction		2					2	$266.63
	Early Acquisition Option Contract		2					2	$266.63
	Project Cost Estimate		2					2	$266.63
	Need and Purpose		2					2	$266.63
	Alternatives							0	$0.00
	Action Alternative		1					1	$133.31
	No-Action Alternative		1					1	$133.31
	Surrounding Area		1					1	$133.31
	Specific Areas of Environmental Concern							0	$0.00
	Socio-Economics							0	$0.00
	Community Impacts		2					2	$266.63
	Environmental Justice		1					1	$133.31
	Limited English Proficiency		1					1	$133.31
	Public Facilities and Services		1					1	$133.31
	Special Right-Of-Way Acquisitions							0	$0.00
	Section 4(f)				16	4		20	$2,253.65
	Other Displacements		2					2	$266.63
	Cultural Resources							0	$0.00
	Historic Resources			2	40	4		46	$5,207.86
	Archeological Resources				8	4		12	$1,357.79
	Invasive Species and Beneficial Landscape Practices			1				1	$133.31
	Vegetation			1				1	$133.31
	Water Quality/Resources							0	$0.00
	Lakes, Rivers, and Streams				1			1	$111.98
	Wild and Scenic Rivers				1			1	$111.98
	Waters of the U.S., including Wetlands			4	4			8	$981.18
	Floodplains Federal Emergency Management Agency (FEMA)			8				8	$1,066.50

SH 365 Environmental Services
Summary of Tasks and Labor Requirements Estimate

ATKINS

		PRIME CONSULTANT							
	Task	Env. Manager	Planner II	Sr. Scientist I	Scientist II	Sr. GIS Analyst	Admin	Activity Hours	Activity Cost
	Contract Rate	$199.97	$133.31	$133.31	$111.98	$115.48	$78.32		
	International Boundary and Water Commission (IBWC)		1	1				2	$266.63
	Water Quality			1	2			3	$357.28
	Soils/Farmland			2	4			6	$714.56
	Traffic Noise		1					1	$133.31
	Hazardous Materials							0	$0.00
	Visual Survey							0	$0.00
	Regulatory Records Review		2					2	$266.63
	Construction Impacts		1					1	$133.31
	Threatened and Endangered Species/Wildlife Habitat			2	6			8	$938.52
	Wildlife Habitat				2			2	$223.97
	Migratory Bird Treaty Act				1			1	$111.98
	Fish and Wildlife Coordination Act				1			1	$111.98
	Essential Fish Habitat				1			1	$111.98
	Air Quality							0	$0.00
	Traffic Air Quality Analysis		1					1	$133.31
	Mobile Source Air Toxics		1					1	$133.31
	Permits/Commitments		1	1				2	$266.63
	Public Involvement		1					1	$133.31
	Non Federal CE Findings		2					2	$266.63
	Exhibits	4				40		44	$5,419.16
	Appendices	2	6				2	10	$1,356.46
	QA/QC	6		6			2	14	$2,156.33
11.2	**CE REVISIONS**							0	$0.00
	Respond to PMC Comments	4	12	4	8	4	2	34	$4,447.31
	Respond to District Comments	6	12	4	8	4	2	36	$4,847.25
	Finalize CE	4	8	4	6	4	2	28	$3,690.10
	Totals	**54**	**83**	**41**	**109**	**64**	**30**	**381**	**$49,275.70**

SH 365 Environmental Services

Summary of Expense Estimate

ATKINS

DIRECT COST ITEMS	AMOUNT	UNIT	RATE	TOTAL
Airfare	0	RT	$350.00	$0.00
Mileage	0	MILE	$0.57	$0.00
Digital Camera Usage	0	DAY	$7.00	$0.00
Records Curation	0	DRW	$1,455.30	$0.00
Printing and Photocopying	0	-		
-Photocopies 8 ½"x11"	2400	EA	$0.10	$240.00
-Photocopies 11"x17"	240	EA	$0.15	$36.00
-Color Photocopies 8 ½"x11"	360	EA	$0.15	$54.00
-Color Photocopies 11"x17"	360	EA	$0.20	$72.00
Plots	0	-		
-Bond (Black & White)	0	SF	$1.50	$0.00
-Mylar (Black & White)	0	SF	$1.50	$0.00
- Bond (Color)	0	SF	$1.25	$0.00
-Mylar (Color)	0	SF	$4.00	$0.00
-Color Paper (Photo Quality)	0	SF	$5.00	$0.00
Lodging (per person)	0	DAY	$85.00	$0.00
Meals (per person)	0	DAY	$36.00	$0.00
Car Rental	0	DAY	$65.00	$0.00
Rental Car Fuel (10 gallons/rental car/day)	0	DAY	$3.00	$0.00
Noise Meter Rental	0	EA	$530.00	$0.00
HazMat Data Search	0	LS	$750.00	$0.00
Editing	0	Hr	$75.00	$0.00
Mailings/Postage	0	LS	$0.44	$0.00
Backhoe and Operator	0	Day	$1,600.00	$0.00
ROW Staking Services	0	Day	$1,000.00	$0.00
Carbon Dating Analysis	0	EA	$700.00	$0.00
Public Meeting/Hearing Exhibits	0	EA	$50.00	$0.00
Public Meeting/Hearing Facility Rental	0	Day	$300.00	$0.00
Newspaper Advertisements	0	EA	$1,500.00	$0.00
Public Meeting/Hearing Material	0	EA	$45.00	$0.00
GPS	0	Day	$50.00	$0.00
ATV	0	Day	$100.00	$0.00
Miscellaneous Field Expenses	0	Day	$50.00	$0.00
Court Reporter	0	EA	$500.00	$0.00
Overnight Delivery Services	12	EA	$15.00	$180.00

TOTAL EXPENSES $582.00

ATKINS

State Highway 365
Environmental Services
Rate Schedule

Attachment M-2

Labor/Staff Classification	Hourly Base Rate Year 2011	Hourly Base Rate Year 2012	Hourly Base Rate Year 2013	Hourly Base Rate Year 2014	Contract Rate FY 14 - FY 15
Principal	$ 86.00	$ 88.58	$ 91.24	$ 93.97	$ 286.62
Environmental Manager	$ 60.00	$ 61.80	$ 63.65	$ 65.56	$ 199.97
Sr. Planner	$ 51.50	$ 53.05	$ 54.64	$ 56.28	$ 171.64
Planner II	$ 40.00	$ 41.20	$ 42.44	$ 43.71	$ 133.31
Planner I	$ 30.00	$ 30.90	$ 31.83	$ 32.78	$ 99.98
Sr. Scientist II-Environmental	$ 48.00	$ 49.44	$ 50.92	$ 52.45	$ 159.98
Sr. Scientist I-Environmental	$ 40.00	$ 41.20	$ 42.44	$ 43.71	$ 133.31
Scientist II-Environmental	$ 33.60	$ 34.61	$ 35.65	$ 36.72	$ 111.98
Scientist I-Environmental	$ 23.50	$ 24.21	$ 24.93	$ 25.68	$ 78.32
Science Technician	$ 19.55	$ 20.14	$ 20.74	$ 21.36	$ 65.16
Sr. Engineer	$ 63.00	$ 64.89	$ 66.84	$ 68.84	$ 209.97
Senior CADD Operator	$ 33.60	$ 34.61	$ 35.65	$ 36.72	$ 111.98
CADD Operator	$ 24.68	$ 25.42	$ 26.18	$ 26.96	$ 82.24
Sr. GIS Analyst	$ 34.65	$ 35.69	$ 36.76	$ 37.86	$ 115.48
GIS Analyst	$ 25.73	$ 26.50	$ 27.29	$ 28.11	$ 85.74
Admin/Clerical/Word Processor	$ 23.50	$ 24.21	$ 24.93	$ 25.68	$ 78.32

ATTACHMENT N-3
STATE HIGHWAY 365
SUPPLEMENTAL AGREEMENT 05
SCHEDULE

Non-Federal Highway Administration
Categorical Exclusion (NFCE) for Advanced ROW Acquisition

Activity	Duration
Draft CE	6 weeks
PMC Review	15 days
Respond to Comments	10 days
PMC Review for Concurrency	10 days
TxDOT Pharr District Review	20 days
Respond to Comments	10 days
TxDOT Pharr District Review for Concurrency	10 days
Final CE	7 days
TxDOT Pharr District Approves CE	20 days

Assumptions:

1. One round of review

Item 5A

HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY

AGENDA RECOMMENDATION FORM

BOARD OF DIRECTORS	**X**	**AGENDA ITEM**	**5A**
PLANNING COMMITTEE		**DATE SUBMITTED**	**2/11/14**
FINANCE COMMITTEE		**MEETING DATE**	**2/24/14**
TECHNICAL COMMITTEE			

1. Agenda Item: **TABLED ITEM - RESOLUTION 2013 – 59 – DESIGNATION OF A HIDALGO COUNTY LIAISON FOR THE HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY**

2. Nature of Request: (Brief Overview) Attachments: X Yes ___ No

Designation of an HCRMA Board of Director to serve as the liaison to the Hidalgo County Commissioners Court.

3. Policy Implication: Board Policy, Local Government, Texas Government Code, Texas Transportation Code, TxDOT Policy

4. Budgeted: ___ Yes ___ No X N/A

5. Staff Recommendation**: Motion to approve Resolution 2013-59 – Designation of a Hidalgo County liaison for the Hidalgo County Regional Mobility Authority.**

6. Program Manager's Recommendation: ___ Approved ___ Disapproved **X** None

7. Planning Committee's Recommendation: ___ Approved ___ Disapproved **X** None

8. Board Attorney's Recommendation: ___ Approved ___ Disapproved **X** None

9. Chief Financial Officer's Recommendation: ___ Approved ___ Disapproved **X** None

10. Executive Director's Recommendation: ___ Approved ___ Disapproved **X** None

*****This item was tabled at the November 20, 2013, HCRMA Board of Directors Meeting*****