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Program Management Consultant
DANNENBAUM ENGINEERING CORP

PMC/GEC STATUS REPORT (06/2016)

1. Review: PMC Invoice
2. Status: Systemwide Tasks
3. Status: SH 365 Project
4. Status: IBTC Project
5. Status: OW/OS Corridor
6. Status: Constr. Cost Trends

PMC Invoice Overview

(Active WA's: 06/2016 Invoice)

Task (Current Billing)	WA 9 3/1/14 - 6/30/18	WA 16 5/28/14-01/31/16	WA 20 12/17/15-03/30/16	WA9 - WA20 3/1/14 - 6/30/18
Program Management Consultant	\$ 160,255	\$ -	\$ -	\$ 160,255
Project & Systemwide Mgt	\$ 160,255	\$ -	\$ -	\$ 160,255
Construction Mgt	\$ -	\$ -	\$ -	\$ -
General Engineering Consultant (Tasks on Behalf of the Agency)	\$ -	\$ -	\$ 69,442	\$ 69,442
Analyzing Documentation	\$ -	\$ -	\$ -	\$ -
Building Agency	\$ -	\$ -	\$ -	\$ -
Strategic Planning	\$ -	\$ -	\$ 69,442	\$ 69,442
Public Outreach	\$ -	\$ -	\$ -	\$ -
Advance Planning	\$ -	\$ -	\$ -	\$ -
Total for All Tasks:	\$ 160,255	\$ -	\$ 69,442	\$ 229,697

Firm (Current Billing)	WA 9 3/1/14 - 6/30/18	WA 16 5/28/14-01/31/16	WA 20 12/17/15-03/30/16	WA9 - WA20 3/1/14 - 6/30/18
Dannenbaum Eng Corp.	\$ 150,255	\$ -	\$ -	\$ 150,255
Direct Labor: Pathfinder	\$ 10,000	\$ -	\$ -	\$ 10,000
Direct Labor: George Ramon	\$ -	\$ -	\$ -	\$ -
Sub: Aranda and Assoc. (DBE)	\$ -	\$ -	\$ -	\$ -
Sub: Blanton & Assoc. (DBE)	\$ -	\$ -	\$ -	\$ -
Sub: C&M Associates (DBE)	\$ -	\$ -	\$ 69,442	\$ 69,442
Sub: RODS SUE (DBE)	\$ -	\$ -	\$ -	\$ -
Sub: UNINTECH (DBE)	\$ -	\$ -	\$ -	\$ -
Sub: CSE (DBE)	\$ -	\$ -	\$ -	\$ -
Total for All Firms:	\$ 160,255	\$ -	\$ 69,442	\$ 229,697

PMC Invoice Overview (Active WA's: Earned to Date)

Task (Earned to Date)	WA 9 3/1/14 - 6/30/18	WA 16 5/28/14-01/31/16	WA 20 12/17/15-03/30/16	WA9 - WA20 3/1/14 - 6/30/18
Program Management Consultant	\$ 5,756,688	\$ -	\$ -	\$ 5,756,688
Project & Systemwide Mgt	\$ 5,756,688	\$ -	\$ -	\$ 5,756,688
Construction Mgt	\$ -	\$ -	\$ -	\$ -
General Engineering Consultant (Tasks on Behalf of the Agency)	\$ -	\$ 193,327	\$ 231,577	\$ 424,904
Analyzing Documentation	\$ -	\$ -	\$ -	\$ -
Building Agency	\$ -	\$ -	\$ -	\$ -
Strategic Planning	\$ -	\$ -	\$ 231,577	\$ 231,577
Public Outreach	\$ -	\$ -	\$ -	\$ -
Advance Planning	\$ -	\$ 193,327	\$ -	\$ 193,327
Total for All Tasks:	\$ 5,756,688	\$ 193,327	\$ 231,577	\$ 6,181,592

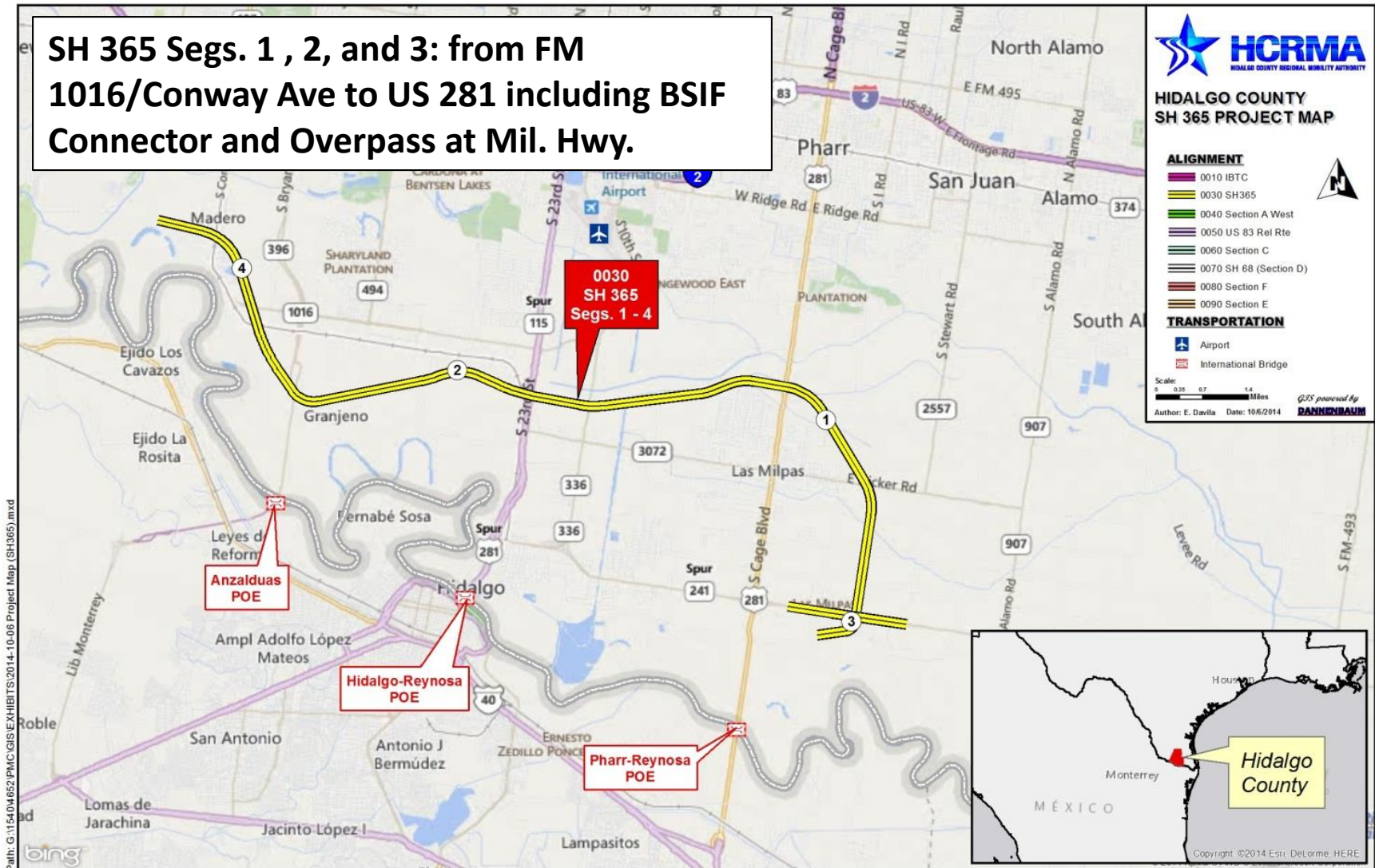
Firm (Earned to Date)	WA 9 3/1/14 - 6/30/18	WA 16 5/28/14-01/31/16	WA 20 12/17/15-03/30/16	WA9 - WA20 3/1/14 - 6/30/18
Dannenbaum Eng Corp.	\$ 4,642,568	\$ -	\$ -	\$ 4,642,568
Direct Labor: Pathfinder	\$ 280,000	\$ -	\$ -	\$ 280,000
Direct Labor: George Ramon	\$ 179,400	\$ -	\$ -	\$ 179,400
Sub: Aranda and Assoc. (DBE)	\$ 435,520	\$ -	\$ -	\$ 435,520
Sub: Blanton & Assoc. (DBE)	\$ 219,200	\$ -	\$ -	\$ 219,200
Sub: C&M Associates (DBE)	\$ -	\$ -	\$ 231,577	\$ 231,577
Sub: RODS SUE (DBE)	\$ -	\$ -	\$ -	\$ -
Sub: UNINTECH (DBE)		\$ -	\$ -	\$ -
Sub: CSE (DBE)	\$ -	\$ 193,327	\$ -	\$ 193,327
Total for All Firms:	\$ 5,756,688	\$ 193,327	\$ 231,577	\$ 6,181,592

■ PMC WA 9

- Managed/met/reviewed all development efforts done by other HCRMA consultants for SH 365 and IBTC.
- Provided support to Staff for landowner coordination, meetings with stakeholders, in addition to Staff support for ROW document preparation, contract document support, and document control.
- Construction Management tasks include
 - US 281 / BSIF construction and document control systems created (Appia and ProjectWise) for coordination with the Contractor and TxDOT.
 - Managing RFI, submittals, shop drawing reviews, and supporting logging of testing and inspection in coordination with HCRMA Construction Engineer and Records Keeper (including SW3P inspections, etc.).

- **PMC WA 9 Cont.**
 - Continued to provide support to HCRMA Staff and Legal Counsel reviews of 365 TOLL PDA.
 - Merging PS&E sets from L&G and S&B into one cohesive plan set.
- **PMC WA 16**
 - Offsite Hydrologic Studies are 99% complete by Civil Systems Engineers (Deren Li) for eventual use on HCDD#1 Outfall Improvements.
 - Pending final report from CSE (SH 365 Seg. 3 is final and delivered to HCDD#1 for developing those outfalls) in order to coordinate the construction of outfalls for SH 365 Seg. 1 & 2.
 - Continued follow-up with HCDD#1 for SH 365 Seg 1 & 2 Outfall Development.

Project Overview for SH 365







Project Schedule for SH 365



SH 365 / US 281 Improvements - Phase I (Segment 3)

(US 281 / Mil. Hwy. from SP600 / Cage Blvd. to FM 2557 / Stewart Rd and the BSIF Connector)

	WORK TASK	2015												2016											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	Env. Clearance (FONSI)																								
	Final Design (Complete)																								
	ROW Acquisition (Complete)																								
	Utility Relocation																								
	Constr. Bid Opening (Letting)																								
	Construction Starts																								

CONSTRUCTION FOR SH 365 PHASE I: FROM 02/01/2016 TO 09/30/2017

SH 365 - Phase II (Segments 1 & 2)

(FM 396 / Anzalduas Hwy. to US 281 / Military Hwy)

	WORK TASK	2016												2017											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	Env. Clearance (FONSI)	Occurred July 2, 2015																							
	Final Design																								
	ROW Acquisition Phase																								
	Utility Relocation																								
	Constr. Bid Advertisement																								
	Constr. Bid Opening (Letting)																								
	Construction Starts																								

CONSTRUCTION FOR SH 365 PHASE II: FROM 3/21/2017 TO 11/21/2019

Project Schedule Milestones for SH 365 (1 of 2: Remainder of 2016)



- 6/17/2016: 95% PS&E Submittal for Segments 1 & 2 (Merged) to TxDOT for Concurrent Review by Pharr District and Austin Divisions
- 6/30/2016: 100% ROW Acquisition
- 7/15/2016: Meet Construction milestone through utility relocation
- 7/15/2016: Receive 95% PS&E Comments from TxDOT (latest PDA says 15 days, but HCRMA providing ~30 days)
- 9/1/2016: Submit Bid Package (Bid Proposal and 100% Plans) to TxDOT
- 9/1/2016 to 10/30/2016: GEC Report Created
- 10/14/2016: LOA Received by HCRMA
- 10/28/2016: Advertisement Date (Sat 10/29 & Sun 10/30 & Subsequent weekends)
- 12/15/2016: Letting Date (as per current PDA)

Project Schedule Milestones for SH 365 (2 of 2: 2017 & Beyond)



- 1/24/2017: Award Date by HCRMA (Contingent upon TxDOT / FHWA concurrence)
- 1/31/2017: Visit Rating Agencies
- 2/10/2017: Receive Ratings
- 2/13/2017: Post POS
- 2/16/2017: Marketing and Road Show for entire week
- 2/23/2017: Price Bonds
- 3/17/2017: Close Bonds
- 3/21/2017: Issue Construction Contract NTP
- 7/31/2017: Constr. Ends SH 365 Seg. 3
- 11/21/2019: Constr. Ends SH 365 Seg. 1 & 2

■ Design

- PS&E on SH 365 Segment 3 (US 281/BSIF) is 100% complete.
- PS&E on SH 365 Segments 1 and 2 are 95% complete.
- All requested subsurface utility exposures are 100% complete.
- Geo-technical for SH 365 Segment 3 (US 281) is 100% complete.
- Geo-technical for SH 365 Segments 1 and 2 are 100% complete.
- Onsite Hydrologic Studies for SH 365 Segments 1, 2, and 3 are 100% complete.

■ ROW Mapping / Acquisition

- ROW Maps and Parcels for Segments 1 & 2 delivered to ROW team.
- Most appraisals completed, save for a few new levee parcels, along parcels modified for whole parcel takings, and in places where updated title information has become available.
- Land acquisition ongoing throughout entire corridor from Anzalduas Bridge to US 281 Military Highway.

■ Utility Relocations

- Major utilities have been coordinated with and held kick-off meetings with said owners (cities, private utilities, irrigation districts, etc.).
- As ROW is acquired PMC has examined possibility of releasing utility relocation agreements.

■ Environmental

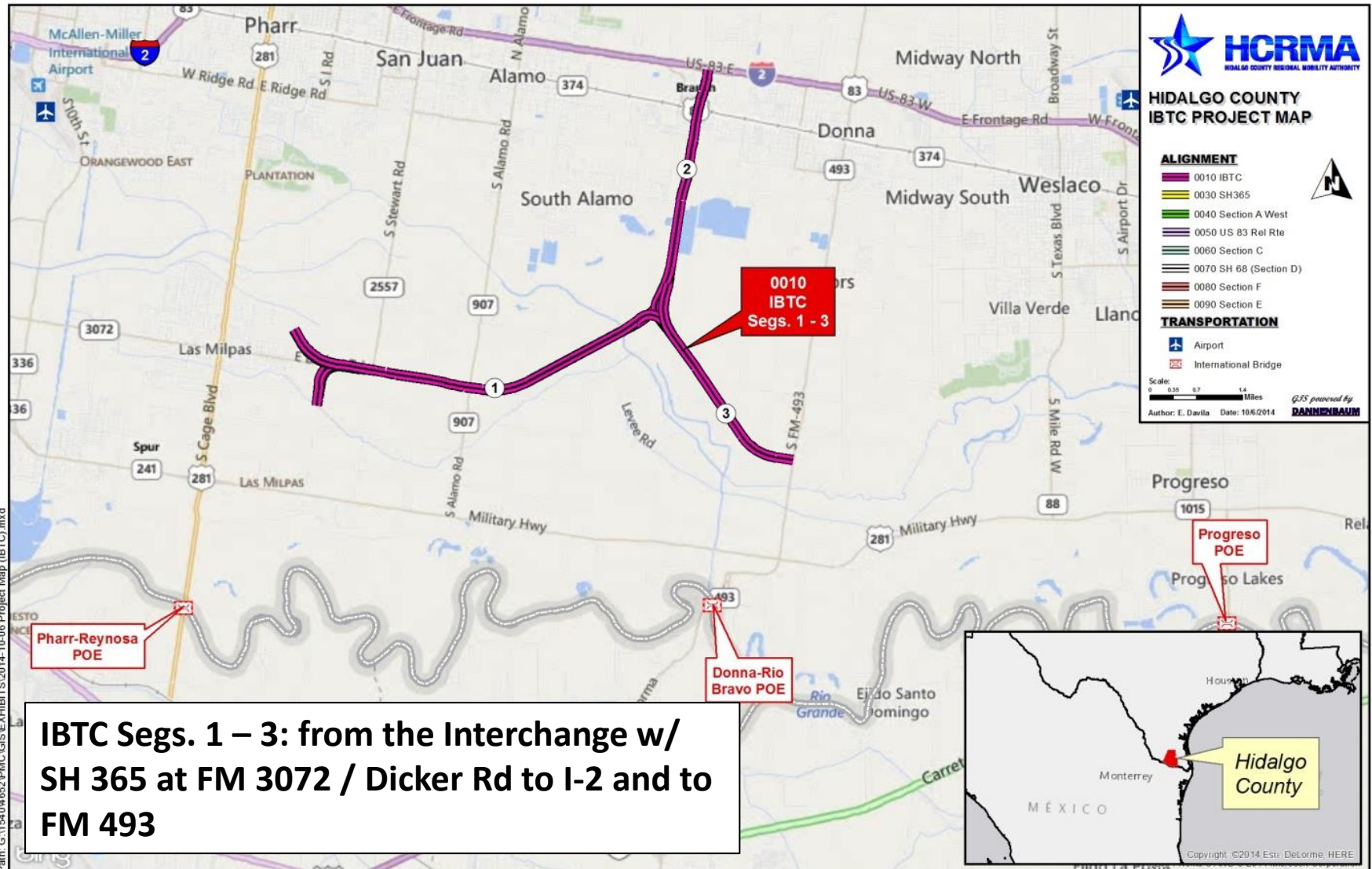
– USIBWC

- The Texas State Historical Commission has completed environmental review of the USIBWC Construction License.

– USACE 404 Permit & Wetland Mitigation Plan

- Permit public comment period closed April 25, 2016.
- Four comments received and have been addressed and the revised permit and mitigation plan have been submitted to the USACE for final approval.
- Survey of the proposed wetland mitigation site is complete and after the mitigation plan is approved an offer will be prepared.
- Executed USACE 404 Individual Permit anticipated within 30 days.

Project Overview for IBTC



Project Schedule for IBTC

IBTC - Segments 1-3																												
(From Dicker Rd. Interchange to end of the Floodway North to I-2 & from Valleyview Interchange to FM 493)																												
WORK TASK	2015				2016												2017											
	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Environmental																												
Final Plans																												
ROW Acquisition																												
Utility Relocation																												
Constr. Bid Opening (Letting)																												
Construction Starts																												
CONSTRUCTION FROM 12/15/2017 TO 06/15/2020																												

Proposed Revised Schedule:

- Contingent upon Board direction
- Funding considerations
- Clearing environmental

■ Design

- PS&E for IBTC Segments 1 - 3 are 40 to 60% complete.
- Geo-technical borehole efforts are on pause for IBTC Segments 1-3.
- Onsite Hydrologic Studies for IBTC have been reviewed and are being finalized.
- Subsurface Utility Exposures are 100% complete.

■ Environmental

- A Phase II ESA was completed on the Donna Reservoir-IBTC footprint, final lab results indicate no PCB contamination is present within the proposed ROW.
- As directed by the Executive Director the PMC has provided options to expedite the environmental clearance of the IBTC project.
- IBTC Right-of-Entry forms are being updated to reduce any delays to environmental fieldwork.

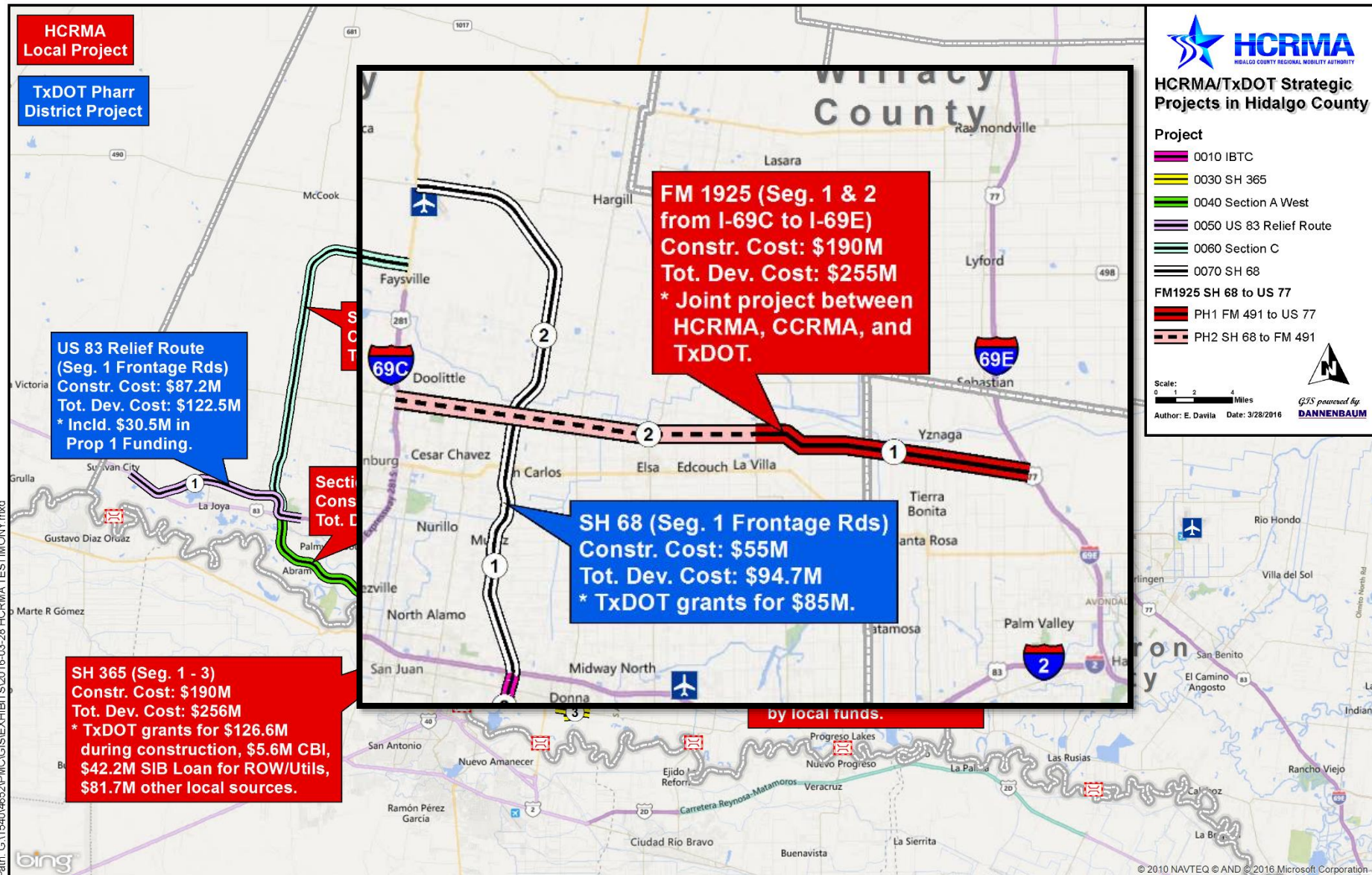
- **ROW Mapping**

- Strip map for complete IBTC project is complete for the entire project, as well as all ETT-easement parcels completed.

- **ROW Acquisition**

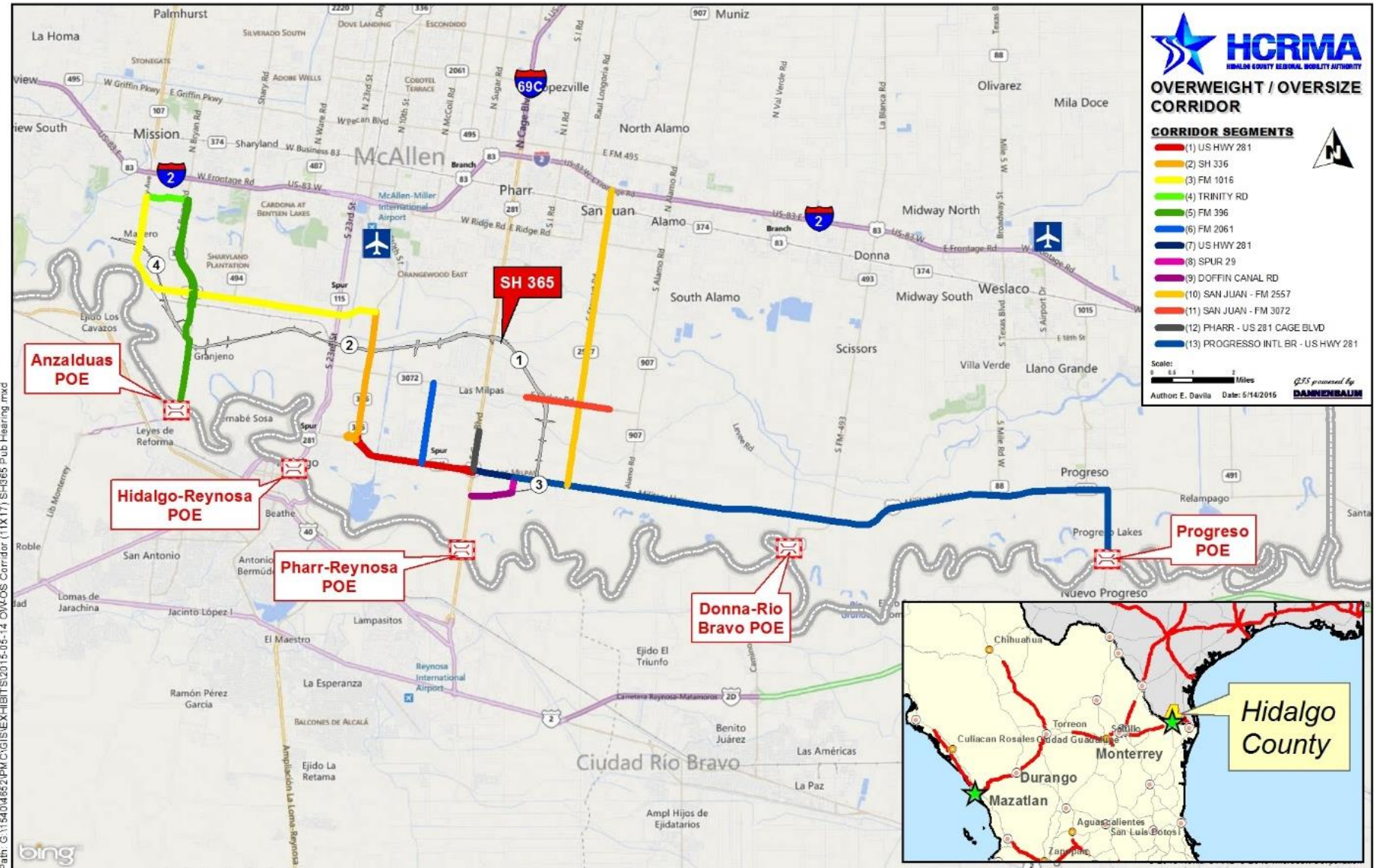
- All parcels north of Donna Reservoirs have been submitted to the ROW Acquisition Team.
- Early acquisition is nearing completion for the AEP/ETT local project ROW for the transmission line (4 parcels remain at various stages of closure).

HCRMA Planning Efforts



- **FM 1925 (from I69C to I-69E)**
 - TxDOT Committed Supplemental Development Authority Funds for the Entire 27 Mile Corridor as an expressway facility.
 - TxDOT has committed to funding the Schematic Design.
 - Cameron County has committed to funding the segment of FM 1925 from the eastern Hidalgo County Line to US 77 and ultimately to the South Padre Island 2nd access.
 - Interlocal between HCRMA and CCRMA is being finalized to complete the Environmental Documents.
 - Hidalgo County has recommended the HCRMA receive \$20M in Proposition 1 & 7 funds for the Right-of-Way and Construction of the segment of the project from FM 491 East to the Cameron County line.

Project Overview for Overweight/Oversize Corridor Permits



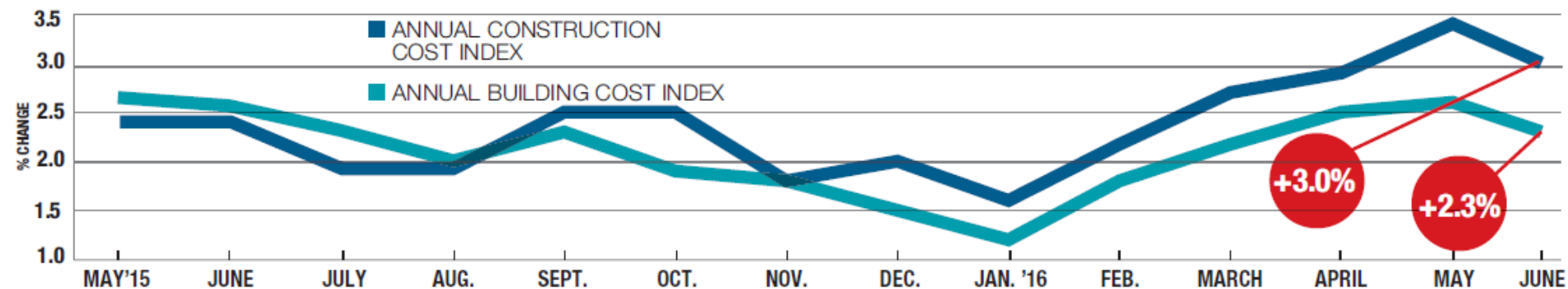
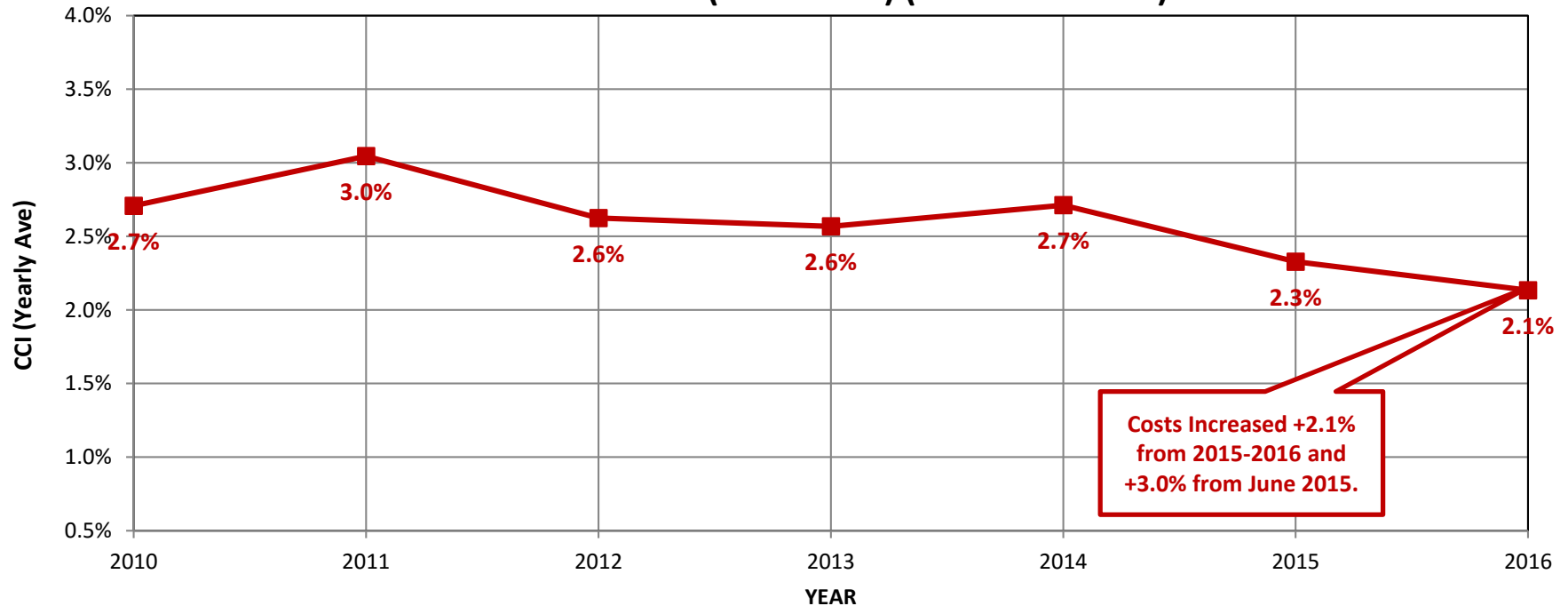
Overweight/Oversize Corridor Permits Report

From 01/01/2016 – 06/03/2016

Total Permits Issued:	11,193
Total Amount Collected:	\$ 920,090
▪ Convenience Fees (CC):	\$ 24,650
▪ Total Permit Fees:	\$ 895,440
– Pro Miles:	\$ 33,579
– TxDOT:	\$ 761,124
– HCRMA:	\$ 100,737

Construction Cost Index

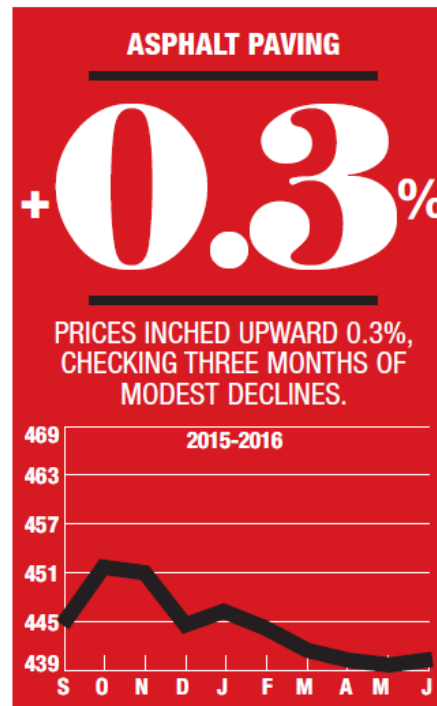
Construction Cost Index (2010-2016) (as of June 2016) *Source: McGraw Hill Construction ENR*



Construction Cost Trends: Asphalt Paving Prices

- The 20-city average price for liquid asphalt has changed in 2016 as follows:

- Price increased +0.2% in June 2016
- Price increased +0.3% between June 2015 to June 2016



20-CITY AVERAGE

ITEM	UNIT	\$PRICE	%MONTH	%YEAR
ASPHALT PAVING				
PG 58	TON	397.23	+0.2	+0.3
Cutback, MC800	TON	374.05	+0.2	-0.8
Emulsion, RAPID SET	TON	345.32	+0.2	-2.4
Emulsion, SLOW SET	TON	362.73	+0.1	-0.8

PORTLAND CEMENT

Type one	TON	113.55	-0.1	-1.8
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MASONRY CEMENT

70-lb	BAG	8.55	-0.1	0.0
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CRUSHED STONE

Base course	TON	10.13	-2.5	-3.3
Concrete course	TON	10.73	+0.1	-0.8
Asphalt course	TON	11.02	+0.2	-1.7

SAND

Concrete	TON	8.99	-2.1	-3.1
Masonry	TON	10.88	+3.2	+2.0

READY-MIX CONCRETE

3,000 psi	CY	110.09	+0.1	+2.1
4,000 psi	CY	114.42	+0.1	+2.1
5,000 psi	CY	120.79	+0.2	+1.3

CONCRETE BLOCK

Normal weight: 8" x 8" x 16"	C	136.80	+0.1	-5.6
Lightweight: 8" x 8" x 16"	C	164.24	+0.1	+1.5
12" x 8" x 16"	C	175.47	+0.1	-1.2

Source: McGraw Hill Construction ENR