



HCRMA
HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY

BOARD OF DIRECTORS MEETING FOR FEBRUARY 2023

HCRMA Board of Directors

S. David Deanda, Jr., Chairman

Forrest Runnels, Vice-Chairman

Ezequiel Reyna, Jr., Secretary/Treasurer

Julio Cerda, Director

Juan Carlos Del Angel, Director

Frank Gabriel Kamel, Director

Francisco "Frank" Pardo, Director

HCRMA Administrative Staff

Pilar Rodriguez, PE, Executive Director

Ramon Navarro IV, PE, CFM, Chief Constr. Eng.

Celia Gaona, CIA, Chief Auditor/Compliance Ofcr.

Ascencion Alonzo, Chief Financial Ofcr.

General Engineering Consultant

HDR ENGINEERING, INC.

www.hcrma.net

Report on HCRMA Program Management Activity
Chief Construction Engineer – Ramon Navarro IV, PE, CFM



▶ OVERVIEW

- 365 TOLL Project Overview
- IBTC Project Overview
- Overweight Permit Summary
- Construction Economics Update

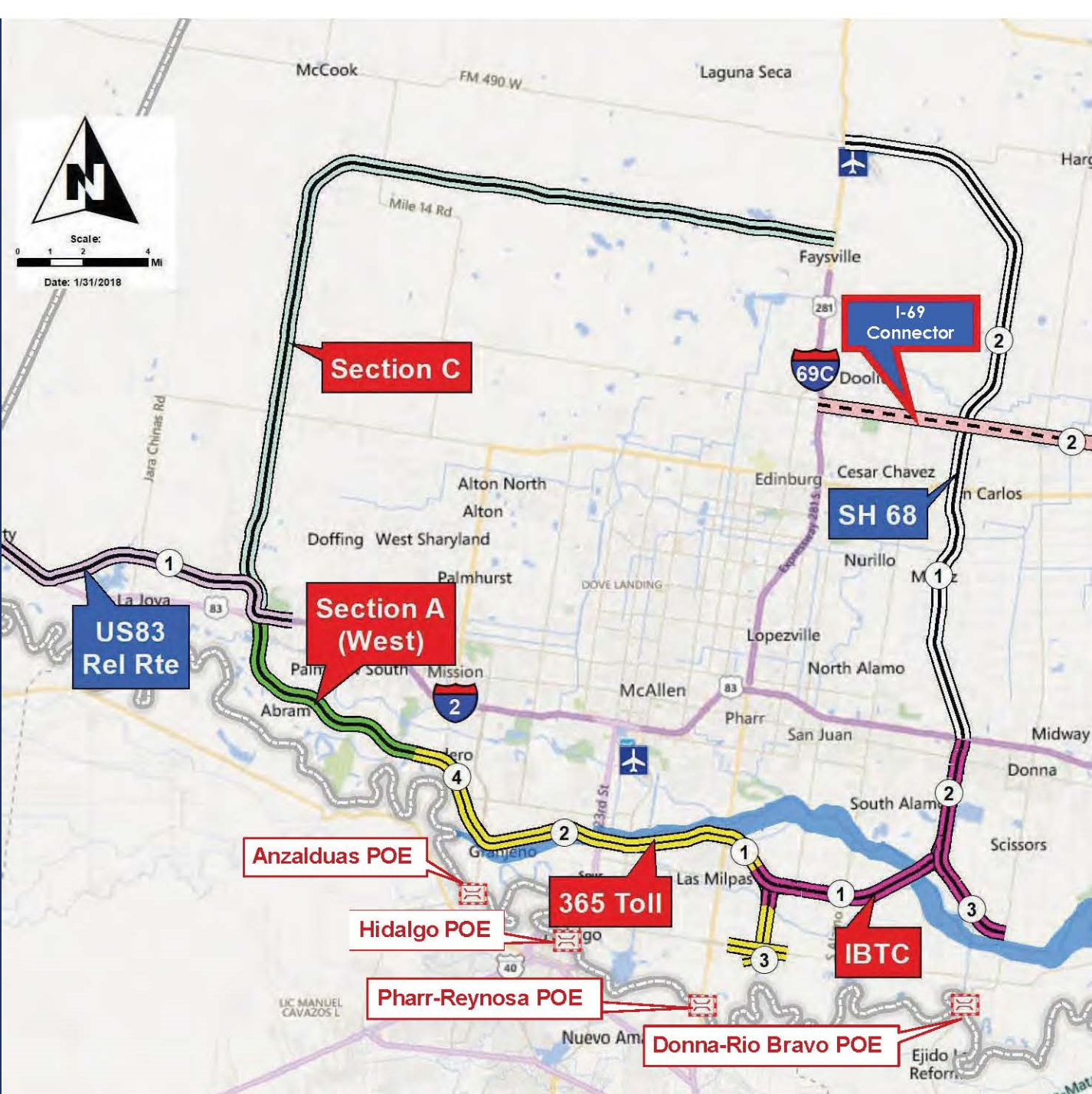
MISSION STATEMENT:

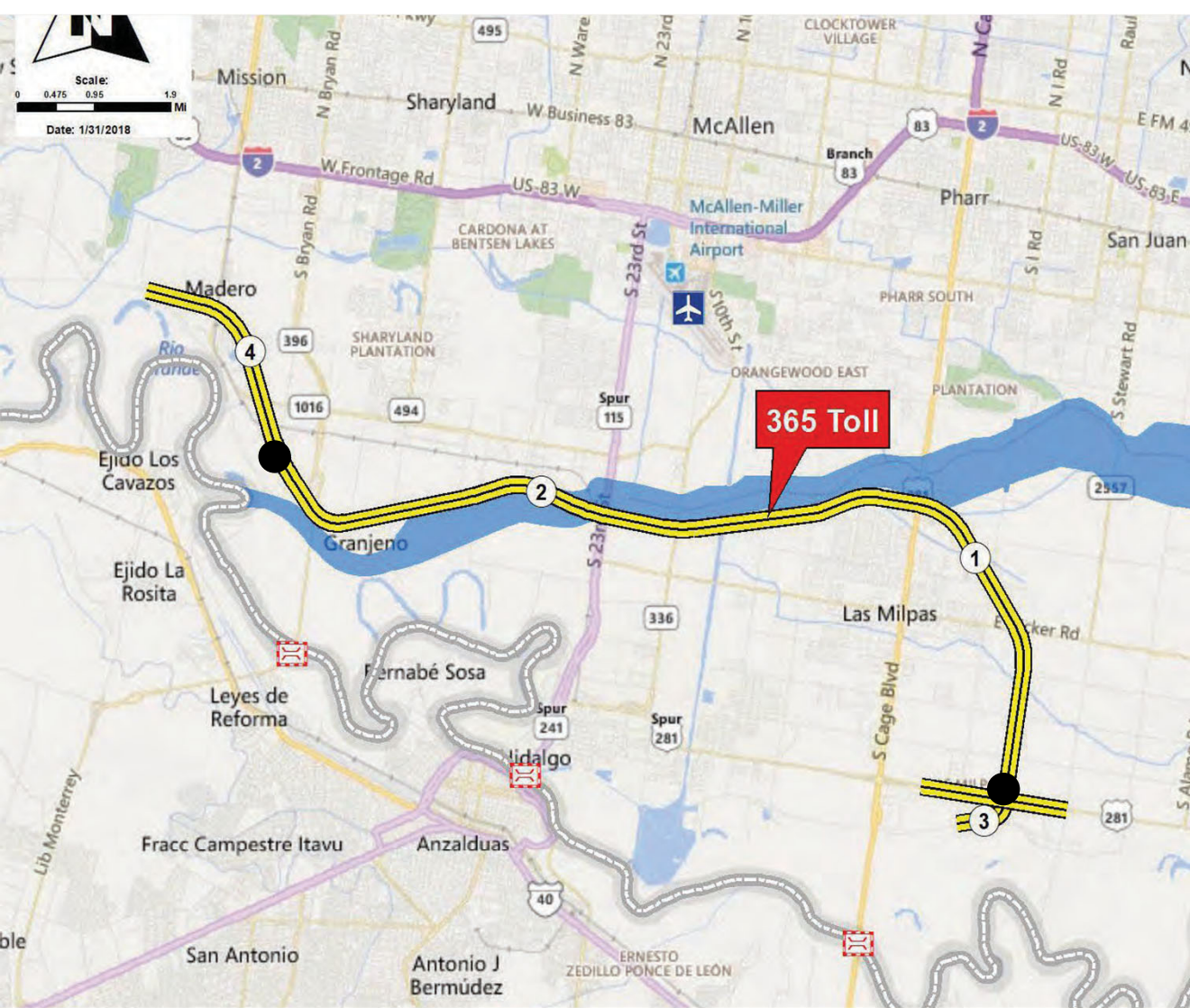
“ To provide our customers with a rapid and reliable alternative for the safe and efficient movement of people, goods and services”



HCRMA STRATEGIC PLAN

DEVELOP THE
INFRASTRUCTURE TO
SERVE A POPULATION
OF APPROXIMATELY
800,000 RESIDENTS
AND
5 INTERNATIONAL
PORTS OF ENTRY





MAJOR MILESTONES:

NEPA CLEARANCE
07/03/2015

100% ROW ACQUIRED

PH 1: 365 SEG. 3 –
LET: 08/2015
COMPLETED

PH 2: 365 TOLL
SEGS. 1 & 2 –
OPEN: 01/2026

[SEGS. 1 & 2] LIMITS FROM 0.8 MI. W. FM 396 / ANZ. HWY. TO US 281 / BSIF CONNECTOR [365 SEG. 3 COMPLETED]
[SEG. 4 FUTURE] LIMITS FROM FM 1016 / CONWAY TO 0.8 MI. W. FM396 / ANZALDUAS HIGHWAY

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EXECUTIVE SUMMARY

- The Notice to Proceed (NTP) was issued to Pulice Construction Inc. (PCI) on February 15, 2022, with time charges commencing on March 17, 2022.
- The work under this contract shall be substantially completed within **1,264 CALENDAR** days [September 22, 2025] After Substantial Completion, Pulice will be allowed up to an additional 60 calendar days for Final Acceptance. Therefore, all improvements must be final accepted by [November 21, 2025].
- Working days will be charged Sunday through Saturday, including all holidays [with exception of:

New Year's Day (January 1st)

Independence Day (July 4th)

Labor Day (1st Monday in the month of September)

Thanksgiving Day and day after (4th Thursday and Friday in the month of November);

Christmas Eve and Day (December 24th and 25th)

regardless of weather conditions, material availability, or other conditions not under the control of the Contractor, except as expressly provided for in the Contract. If Contractor fails to complete the work on or before the contract time, Pulice Construction Inc. agrees to pay the Authority \$ 16,500 per day as liquidated damages to cover losses, expenses and damages of the Authority for every Calendar Day which the Contractor fails to achieve Substantial Completion of the Project.

- The total construction cost submitted \$ 295,932,420.25.

SCHEDULE & CONSTRUCTION COSTS

Two (2) approved Changes Order(s): [38,010,382.63] +0 days

- ❑ CO#1 11/11/2021 entering VECP process +000 days \$000,000,000.00 (0 . 0 %)
- ❑ CO#2 12/21/2021 VECP Plan Revisions +000 days \$(38,010,382.63) (12.84%)
- ❑ CO#3 04/26/2022 VECP Contractor Risk +000 days \$000,000,000.00 (0.00%)
- ❑ CO#4 01/24/2023 Drill Shaft +000 days \$171,516.59 0.06%

CHANGE ORDERS:

Change Order No.1 Summary: November 11,2021

- ❑ The Primary purpose of Change Order No. 1 is for the HCRMA and contractor to enter a defined VECP proves to reduce the overall cost of the project based on a 30% design furnished by the contractor.
- ❑ Cost to the Project include: 30% of 5% of the project savings to the project or direct costs to the contractor, whichever is less. These costs are intended to pay the contractor for design work achieve a 30% design.
- ❑ The HCRMA assumes ownership of all design work developed by the contractor, and cost savings are shared by the HCRMA and contractor by 40% and 60% respectively.

Change Order No. 2 Summary: December 21, 2021

- ❑ Change order No. 2 amended the contract price from \$295,932,420.25 to 281,723,797.95.
- ❑ By execution of Change Order No. 1, the contractor completed a 30% design to an effort to estimate cost savings for the project. Payment for the contractor's initial design work is \$613,285.06 in accordance with calculations presented in Change Order No. 1. This is the only cost due to the contractor based on the execution of Change Order No. 2, and is non-participating.
- ❑ Notice to proceed was issued 2/15/2022, the HCRMA reimburse the contractor for the remaining design costs to not exceed 5% of the total cost savings. Payments made will be based upon design milestones at 60%, 90% and 100% completion and acceptance.

VECP calculations for Contract Price of \$281,723,797.95

VECP Gross Savings	\$38,010,382.63	
Less est. Total Design Cost	\$1,943,648.45	(Schematics + Final Design)
Less Est. Owner's Fees	\$545,178.43	(GEC, Environmental, T&R Costs)
VECP Net Savings	\$35,521,555.76	
60% Contractor Saving:	\$21,312,933.45	Paid as Progress Payments
40% Owner Savings:	\$14,208,622.30	Reduced from original Project

Change Order No. 3 Summary: April 26, 2022

- ❑ As provided for Contract Amendment #1 and Change Order No. 2, the Contractor’s share of the net savings includes the “Contractor Risk” that the actual costs of implementing the approved VECP concepts in Change Order No. 2 may not result in the saving approved by the parties. To the extent total actual costs exceed the total amount approved, all overages due to errors, oversights, omissions, additions, or corrections to final units, final quantities, or final unit prices or costs increases shall be deducted from Contractor 60% portion of the net savings.
- ❑ To the extent actual costs exceed the amounts presented in Exhibit A, Contractor agrees that such overages due to errors, oversight, omission additions, or corrections to final units, quantities or unit pricing shall be deducted from contractor’s 60% portion of the net savings (the “Contractor Risk”).
- ❑ Contractor VECP Savings Payments.

Contractor’s share of the savings shall be calculated and paid out as progress payments under the terms of the contract, as follows:

Construction Progress	Proposed Savings Payment
20% Completion	\$4,262,586.69
40% Completion	\$4,262,586.69
60% Completion	\$4,262,586.69
80% Completion	\$4,262,586.69
Final Acceptance	\$4,262,586.69
	\$21,312,933.45

The parties agrees that if the Savings are not apparent or justified during a designated progress period, all, or part of any such Savings Payment, on the recommendation of the General Engineering Consultant, may be (i) deferred to the next progress period or (iii) reduced to reflect the Contractor’s Risk for unrealized Savings/overages.

Change Order No. 4 Summary: January 24, 2023

Change Order No. 4 removes 1,524LF of Item 416-6005 Drill Shaft (42”)introduces 48” drill shafts to incorporate detailed, finalized quantities and unit costs; and establishes State/Federal participation on modified unit costs, assuring compliance with the standard specifications included within the contract. Attached exhibits provide current assessment and breakdown. The net cost of \$171,516.59 shall be fully paid by the Owner [HCRMA].



365 TOLLWAY TOLL COLLECTION SYSTEM INSTALLATION, INTEGRATION, and MAINTENANCE PROJECT
BID OPENING Conducted on December 9, 2022
HCRMA THANKS ALL BIDDERS!!!

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Proposals have been received for the 365 Toll Collection System Installation, Integration, and Maintenance Project.

Proposal submissions were received from the following:

- * A-to-Be USA, LLC
- * Electronic Transaction Consultants, LLC [ETC]
- * Kapsch TrafficCom USA, INC
- * SICE, INC.
- * TransCore, LP

Compliance reviews were conducted of all electronic bids; HCRMA Staff and HDR [GEC] thoroughly reviewed proposals in accordance with the RFPs two-step process:

- * Technical scores were first established by each individual evaluator, group discussion + group clarifications were conducted via online interviews with each of the proposers
- * Price proposal opening [40%] of scoring to determine final score and ranking

Award of bid shall be subject to a final selection and contract award by the HCRMA Board of Directors March meeting.

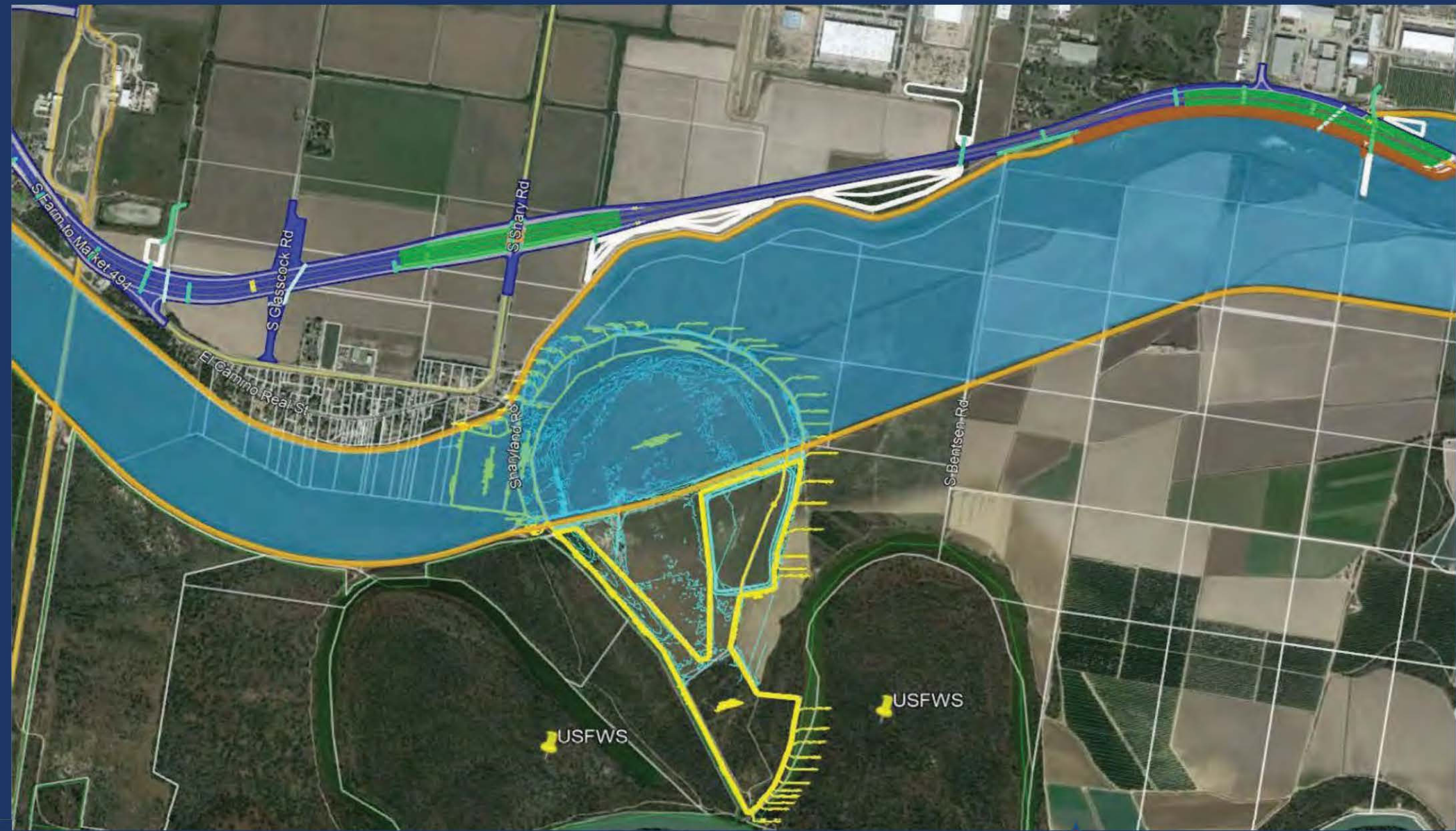
Schedule of Activities



Activity	Date
Date of RFP Issuance:	September 8 th 2022
Pre-Proposal Meeting:	October 3 rd 2022
Questions & Requests for Clarifications Due no later than:	October 28 th 2022
Answers & Clarifications Provided no later than:	November 4 th 2022
Proposals Due:	December 9 th 2022
Anticipated Board Approval:	February 28 th 2023
Anticipated Award:	March 28 th 2023
Project Start Date:	April 2023 (Tentative)



WETLAND MITIGATION SITE



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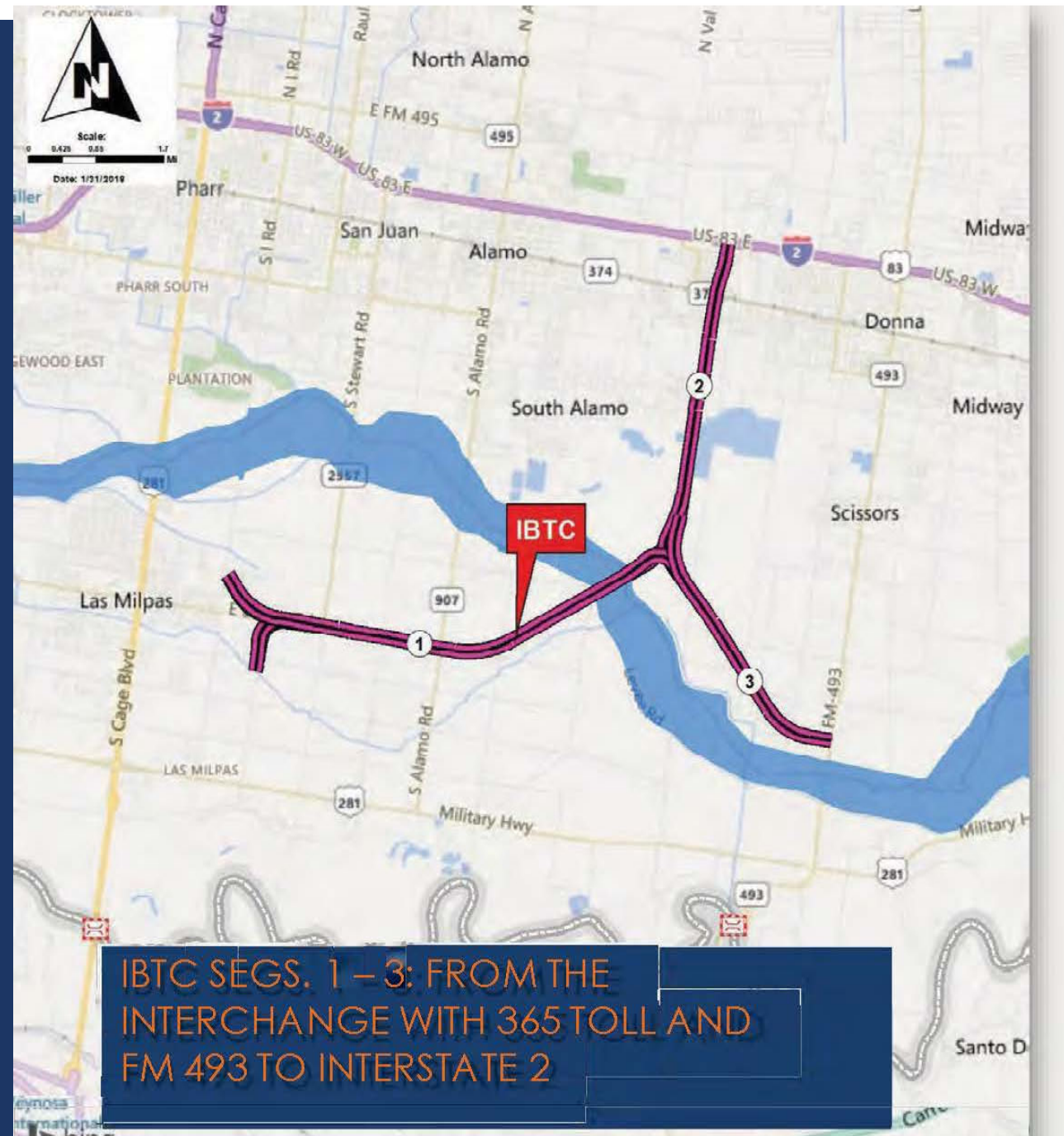


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▶ ADVANCE PLANNING

VLF

- Environmental:
- Received official agency correspondence on Conservation Easement from Office of Counsel and the Army Corps of Engineers on 9/19/2022.
- Anticipate project's letting in early 2023.



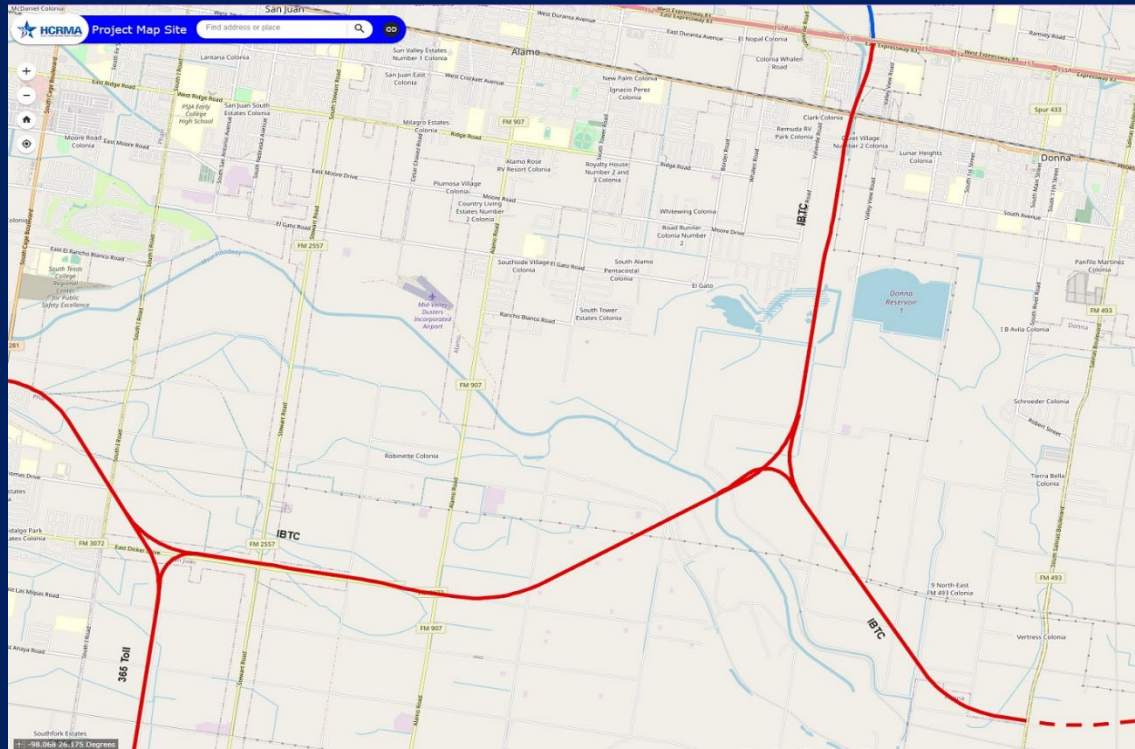
IBTC

13.15-mile long project. The proposed project would construct a new location non-tolled facility beginning at 1) 365 Tollway (Dicker Road) and extends 5.43 miles in a west direction. The alignment splits just west of FM 1423 (Val Verde Road) and travels north, 2) the northern leg continues 4.21 miles to Interstate Highway 2. The east leg 3) travels 3.51 miles east to where it is proposed to connect to FM 493.

IBTC SEGS. 1 – 3: FROM THE INTERCHANGE WITH 365 TOLL AND FM 493 TO INTERSTATE 2

HCRMA – IBTC Project

CSJ#:0921-02-142



Recent Key Activity:

- Included in Border Master Plan- High Impact Project
- Received Environmental Classification of Environmental Assessment October 2017.
- Held Public Meeting March 2019.
- TxDOT approved schematic November 2021.
- Public Hearing held March 2022.
- Risk workshop held with TxDOT Portfolio Management Division April 2022.
- Requested Functional Classification: Principal Arterial
- Estimated NEPA clearance by May 2023.
- Schematic updates UPRR Structure Group for Railroad Bridge over BUS83
- Working with RGVMPD/TxDOT to federalize project
- TxDOT/FHWA to migrate project ON-SYSTEM

1

Environmental: 99%

2

Preliminary Engineering: 75%

3

ROW & Utilities: 60%
63 of 186 parcels acquired

4

Design: 65%

5

Funding: 18% \$38M / \$211,442,110
HCRMA IBTC - 0921-02-142 – FY 2026
 – Revising Costs and Funding (PE, ROW, C, CE)
 – Pending FC

□ ADVANCE PLANNING

TxDOT anticipates the environmental document can be approved in early 2023, when the project is in the STIP.

Funding / UTP / TIP Status:

- Funding is non-toll and incorporates overweight corridor network fees to help finance project
- HCRMA requested via letter to TxDOT for On-System classification
- The project has been included in federalized amendment to 2023-26 STIP, adding \$20 Million of Category 7 federal funds to the project for construction. These additional funds (federal) are included in the revised STIP through the next STIP Amendment (likely in February 2023).
- Federal Functional Classification [FC] Request: HCRMA and the MPO are working on a list of recommendations that need to be addressed before the FC request of IBTC can move forward. This detailed review and preparation is all in attempt to ultimately allow the request to work through the steps of the review process much more seamlessly (First through the MPO then to TxDOT Pharr District then to TxDOT/TTI then for final review and hopeful approval from FHWA).

Environmental:

- Submitted Final EA revisions 8/8/2022.
The Final EA document will need to be updated (Project Consistency Section of the EA) upon federalizing project to illustrate the new funding for consistency and anticipate project's final determination by mid-2023.

The IBTC project is broken down into two phases, Phase I (Interim Design) and Phase II (Ultimate Design). Phase I includes the construction of frontage roads on the West and East legs of the roadway and the mainlanes in the North leg and is the subject of this grant application. There are no frontage roads included in the North leg of the IBTC. Typical sections for the East, West, and North legs for Phase I of the IBTC can be found below.



Figure 2: East Leg Phase I Typical Section

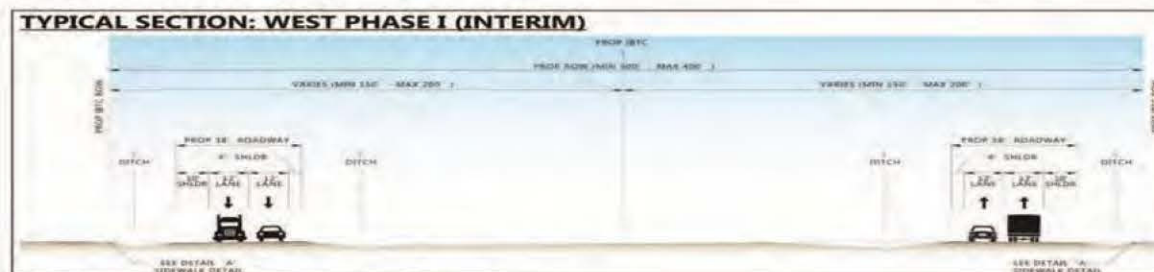


Figure 3: West Leg Phase I Typical Section



Figure 4: North Leg Phase I Typical Section

Additional details on the proposed conditions for the West, East, and North legs in the Phase I design can be found below:

- **East Leg:** The East Leg of the project consists of one frontage road with one 12-foot-wide lane in each direction (two lanes total), 10-foot-wide inside and outside shoulders, a 12-foot-wide inside ditch, and an 8 to 10 feet outside ditch.
- **West Leg:** The West Leg includes two frontage roads with one 12-foot-wide lane in each direction (four lanes total), a 10-foot-wide outside shoulder, and a 4-foot-wide inside shoulder separated by a variable width grassy median. Also included is a 20-foot-wide outside ditch and variable width inside ditch.
- **North Leg:** The North Leg of the project includes two 12-foot-wide mainlanes in each direction (four lanes total), a 10-foot-wide outside shoulder, and a 4-foot-wide inside shoulder separated by a concrete barrier.

Phase I of the IBTC includes several proposed structures to help facilitate traffic flow and mitigate potential flooding impacts to the roadway. An underpass at Border Road, a bridge over the International Boundary and Water Commission (IBWC) Main Floodway Channel, a bridge/culvert at the Donna Reservoir, and an overpass at Business Highway 83 are all proposed as part of the Phase I design. The maximum depth of impacts for the proposed project would be 3 feet in areas for the new pavement, a maximum depth of 10 feet for cross-culverts, and a maximum depth of 10 feet for drainage ditches. At bridge structures, the depth of impacts may extend to 25 feet deep for drilled shafts or pile foundations.

Phase I includes the construction of frontage roads on the West and East legs of the roadway and the mainlanes in the North leg and is the subject of this grant application.

While this MPDG application is for the Phase I (Interim) Design, the IBTC will eventually be built out to include the Phase II (Ultimate) Design. Typical sections for the Phase II Design can be found below for reference.

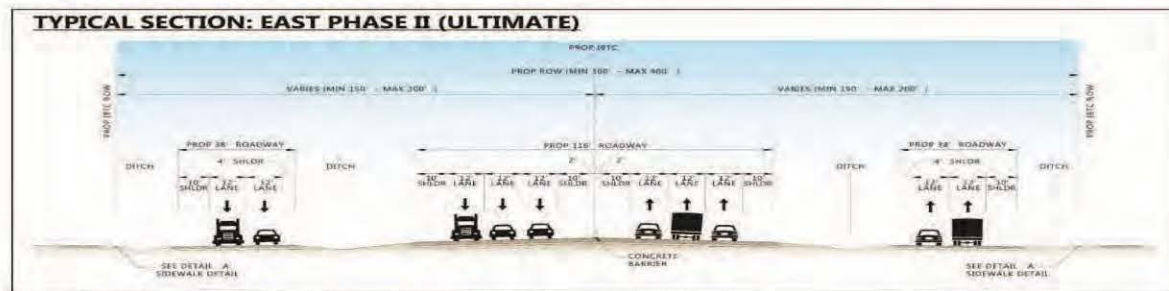


Figure 5: East Leg Phase II Typical Section

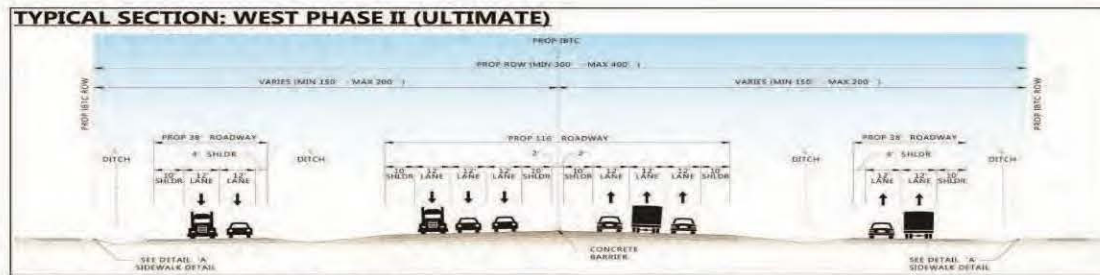


Figure 6: West Leg Phase II Typical Section



Figure 7: North Leg Phase II Typical Section

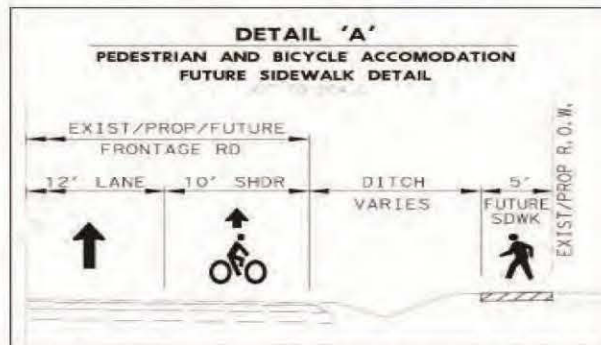
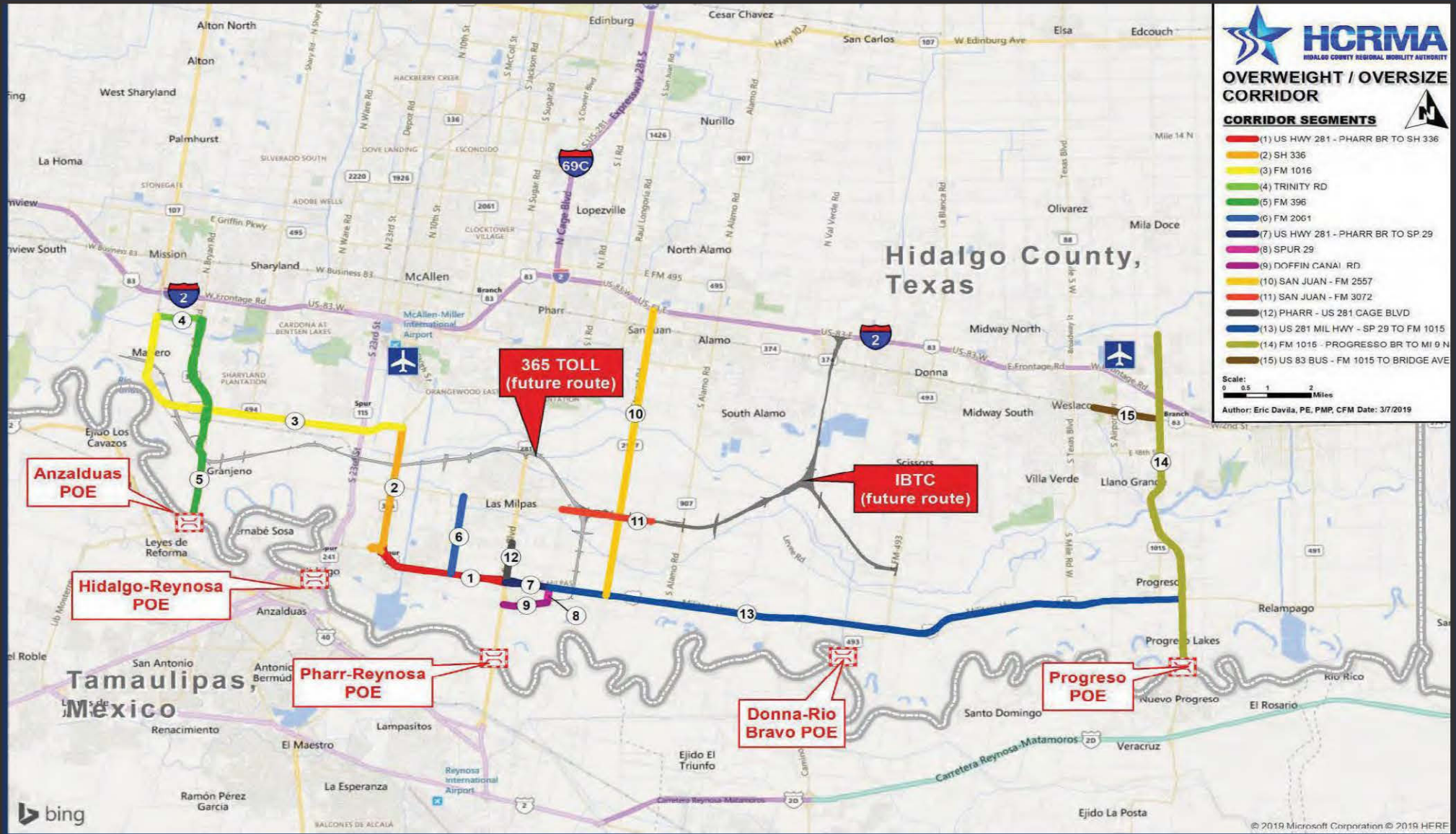


Figure 8: Pedestrian and Bicycle for Potential Future Accommodations Typical Section (East and West Legs)

While this MPDG application is for the Phase I (Interim) Design, the IBTC will eventually be built out to include the Phase II (Ultimate) Design.

OVERWEIGHT / OVERSIZE CORRIDOR SEGMENTS



▶ **OVERWEIGHT REPORT FOR 2023:**
January 1, 2023 - January 31, 2023

OW

Total Permits Issued:	3,399
Total Amount Collected:	\$ 693,588
■ Convenience Fees:	\$ 13,788
■ Total Permit Fees:	\$ 679,800
– Pro Miles:	\$ 10,197
– TxDOT:	\$ 577,830
– HCRMA:	\$ 91,773

▶ OVERWEIGHT REPORT FOR 2023: ▶ JANUARY 1, 2023 – January 31, 2023

OW

Overweight/Oversized Permit Count
2022 - 2023 Monthly Comparison



Notes:

1. Monthly permit count of 3,399 represents a +22.3% (increase, 757) compared to the same month in 2022 (2,642).