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Program Management Consultant
DANNENBAUM ENGINEERING CORP

PMC/GEC STATUS REPORT (01/2017)

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

PMC Invoice Overview

(Active WA's: 01/2017 Invoice)



DANNENBAUM – PROGRAM MANAGER

Task (Current Billing)	PMC WA 9 3/1/14 - 6/30/18	T&R WA 20 12/17/15-03/30/16	IBTC ENV WA 23 1/1/17-05/30/17	WA9 - WA23 3/1/14 - 6/30/18
Program Management Consultant	\$ 126,201	\$ -	\$ -	\$ 126,201
Project & Systemwide Mgt	\$ 92,019	\$ -	\$ -	\$ 92,019
Construction Mgt	\$ 34,181	\$ -	\$ -	\$ 34,181
General Engineering Consultant (Tasks on Behalf of the Agency)	\$ -	\$ 9,480	\$ -	\$ 9,480
Analyzing Documentation	\$ -	\$ -	\$ -	\$ -
Building Agency	\$ -	\$ -	\$ -	\$ -
Strategic Planning	\$ -	\$ 9,480	\$ -	\$ 9,480
Public Outreach	\$ -	\$ -	\$ -	\$ -
Advance Planning	\$ -	\$ -	\$ -	\$ -
Total for All Tasks:	\$ 126,201	\$ 9,480	\$ -	\$ 135,681

Firm (Current Billing)	PMC WA 9 3/1/14 - 6/30/18	T&R WA 20 12/17/15-03/30/16	IBTC ENV WA 23 1/1/17-05/30/17	WA9 - WA23 3/1/14 - 6/30/18
Dannenbaum Eng Corp.	\$ 126,201	\$ -	\$ -	\$ 126,201
Direct Labor: Pathfinder	\$ -	\$ -	\$ -	\$ -
Direct Labor: George Ramon	\$ -	\$ -	\$ -	\$ -
Sub: Aranda and Assoc. (DBE)	\$ -	\$ -	\$ -	\$ -
Sub: Blanton & Assoc. (DBE)	\$ -	\$ -	\$ -	\$ -
Sub: C&M Associates (DBE)	\$ -	\$ 9,480	\$ -	\$ 9,480
Sub: RODS SUE (DBE)	\$ -	\$ -	\$ -	\$ -
Sub: UNINTECH (DBE)	\$ -	\$ -	\$ -	\$ -
Sub: CSE (DBE)	\$ -	\$ -	\$ -	\$ -
Total for All Firms:	\$ 126,201	\$ 9,480	\$ -	\$ 135,681

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

Task (Earned to Date)	PMC WA 9 3/1/14 - 6/30/18	T&R WA 20 12/17/15-03/30/16	IBTC ENV WA 23 1/1/17-05/30/17	WA9 - WA23 3/1/14 - 6/30/18
Program Management Consultant	\$ 7,030,947	\$ -	\$ -	\$ 7,030,947
Project & Systemwide Mgt	\$ 6,700,402	\$ -	\$ -	\$ 6,700,402
Construction Mgt	\$ 330,545	\$ -	\$ -	\$ 330,545
General Engineering Consultant (Tasks on Behalf of the Agency)	\$ -	\$ 282,531	\$ -	\$ 282,531
Analyzing Documentation	\$ -	\$ -	\$ -	\$ -
Building Agency	\$ -	\$ -	\$ -	\$ -
Strategic Planning	\$ -	\$ 282,531	\$ -	\$ 282,531
Public Outreach	\$ -	\$ -	\$ -	\$ -
Advance Planning	\$ -	\$ -	\$ -	\$ -
Total for All Tasks:	\$ 7,030,947	\$ 282,531	\$ -	\$ 7,313,478

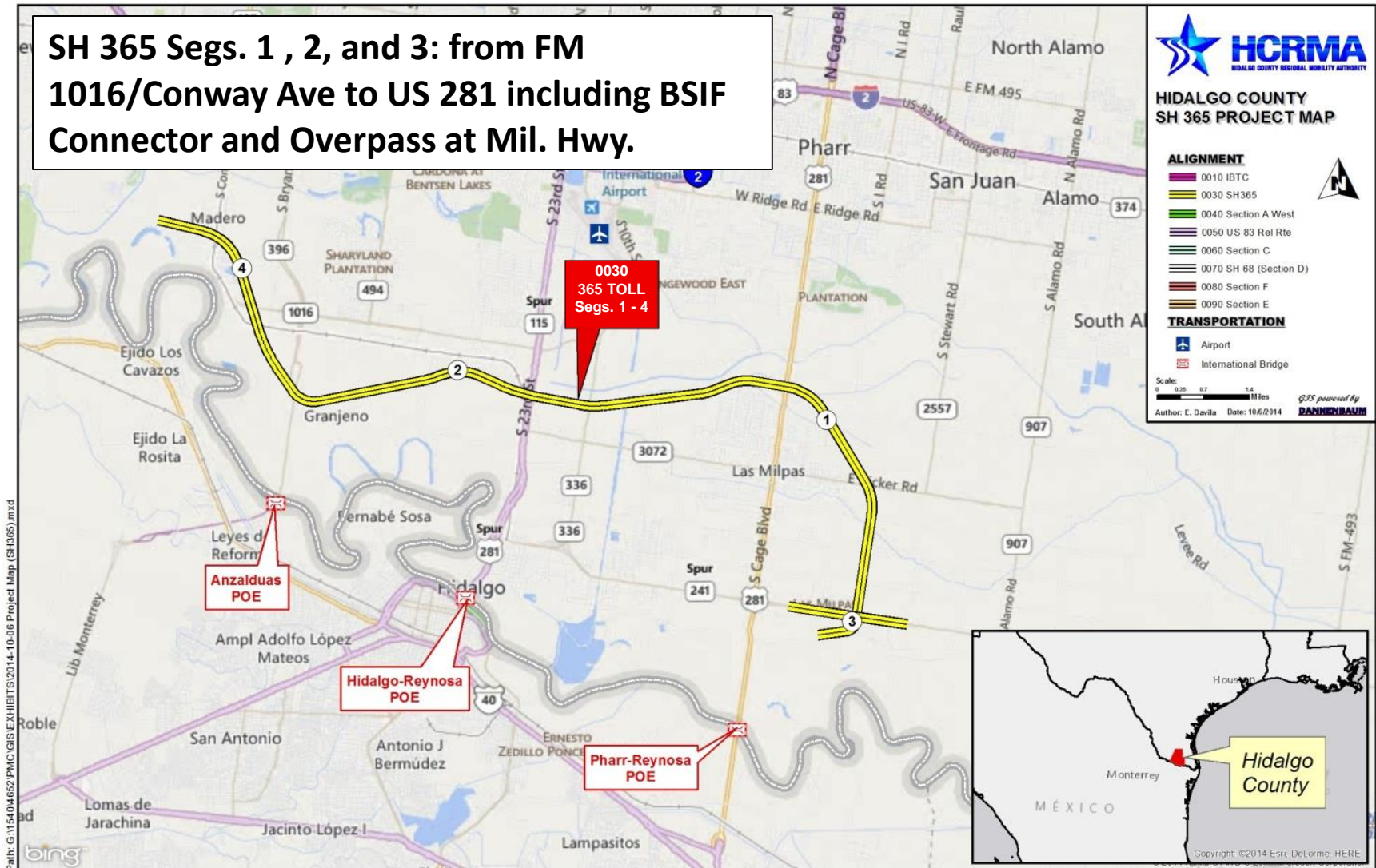
Firm (Earned to Date)	PMC WA 9 3/1/14 - 6/30/18	T&R WA 20 12/17/15-03/30/16	IBTC ENV WA 23 1/1/17-05/30/17	WA9 - WA23 3/1/14 - 6/30/18
Dannenbaum Eng Corp.	\$ 5,876,827	\$ -	\$ -	\$ 5,876,827
Direct Labor: Pathfinder	\$ 320,000	\$ -	\$ -	\$ 320,000
Direct Labor: George Ramon	\$ 179,400	\$ -	\$ -	\$ 179,400
Sub: Aranda and Assoc. (DBE)	\$ 435,520	\$ -	\$ -	\$ 435,520
Sub: Blanton & Assoc. (DBE)	\$ 219,200	\$ -	\$ -	\$ 219,200
Sub: C&M Associates (DBE)	\$ -	\$ 282,531	\$ -	\$ 282,531
Sub: RODS SUE (DBE)	\$ -	\$ -	\$ -	\$ -
Sub: UNINTECH (DBE)	\$ -	\$ -	\$ -	\$ -
Sub: CSE (DBE)	\$ -	\$ -	\$ -	\$ -
Total for All Firms:	\$ 7,030,947	\$ 282,531	\$ -	\$ 7,313,478

■ PMC WA 9 (MGT/GEC Tasks)

- Managed/met/reviewed all development efforts done by other HCRMA consultants for 365 Toll.
- 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.
- Provided construction cost estimating support for the IBTC project to update it to CRCP and develop 2+2, 1+1, and frontage road options for strategic planning.
- End of year reporting on RMA projects as required by Texas Transportation Commission, and draft GEC report for eventual toll revenue bond sale.

- **PMC WA 9 (MGT/GEC Tasks) Cont.**
 - Construction Management tasks include
 - US 281 / BSIF construction and document control systems created (Appia and ProjectWise) for coordination with the Contractor and TxDOT.
 - Processing/logging of field changes.
 - 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.).
 - Merging PS&E sets from L&G and S&B into one cohesive plan set.
 - Merging support for integrating TEDSI's ITS/Tolling PS&E into final plan set.
- **PMC WA 20 (T&R)**
 - T&R results complete. Pending Final Report
- **PMC WA 23 (IBTC ENV)**
 - Scoped the effort required to produce environmental classification letter.
 - Coordinated with subconsultants (Blanton / Amatterra) on up-coming tasks to support classification letter generation.

Project Overview for 365 Toll



Project Schedule for 365 Toll



US 281 Improvements / BSIF Connector - Phase I (365 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

365 Tollway - Phase II (365 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 6/1/2017 TO 12/30/2019

Construction Ends Dec 2019

Project Schedule Milestones for 365 Toll (1 of 2)



- 8/8/2016: 95% PS&E Submittal for Segments 1 & 2 (Merged) to TxDOT for Concurrent Review by Pharr District and Austin Divisions
- 8/29/2016: Receive 95% PS&E Comments from TxDOT (15 days as per PDA)
- 11/30/2016: Submit Bid Package (Bid Proposal and 100% Plans) to TxDOT
- 11/15/2016 to 12/15/2016: GEC Report Created
- 2/15/2017: LOA Received by HCRMA
- 3/1/2017: Advertisement Date (Sat 3/4 & Sun 3/5 & Subsequent weekends)
- 4/5/2017: Letting Date

Project Schedule Milestones for 365 Toll (2 of 2)



- 4/18/2017: Award Date by HCRMA (NTP Contingent upon TxDOT / FHWA concurrence)
- 4/20/2017: Visit Rating Agencies
- 4/26/2017: Receive Ratings
- 4/28/2017: Post POS
- 5/1/2017: Marketing and Road Show for entire week
- 5/8/2017: Price Bonds
- 5/26/2017: Close Bonds
- 5/31/2017: Issue Construction Contract NTP
- 12/31/2019: Constr. Ends SH 365 Seg. 1 & 2

■ Design

- PS&E on 365 Segment 3 (US 281/BSIF) is 100% complete.
- PS&E on 365 Segments 1 and 2 are 98% 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.). Continuing to negotiate relocation agreements, while coordinating movement of those that are ready to move.
- As ROW is acquired PMC has examined possibility of releasing utility relocation agreements.

■ Environmental

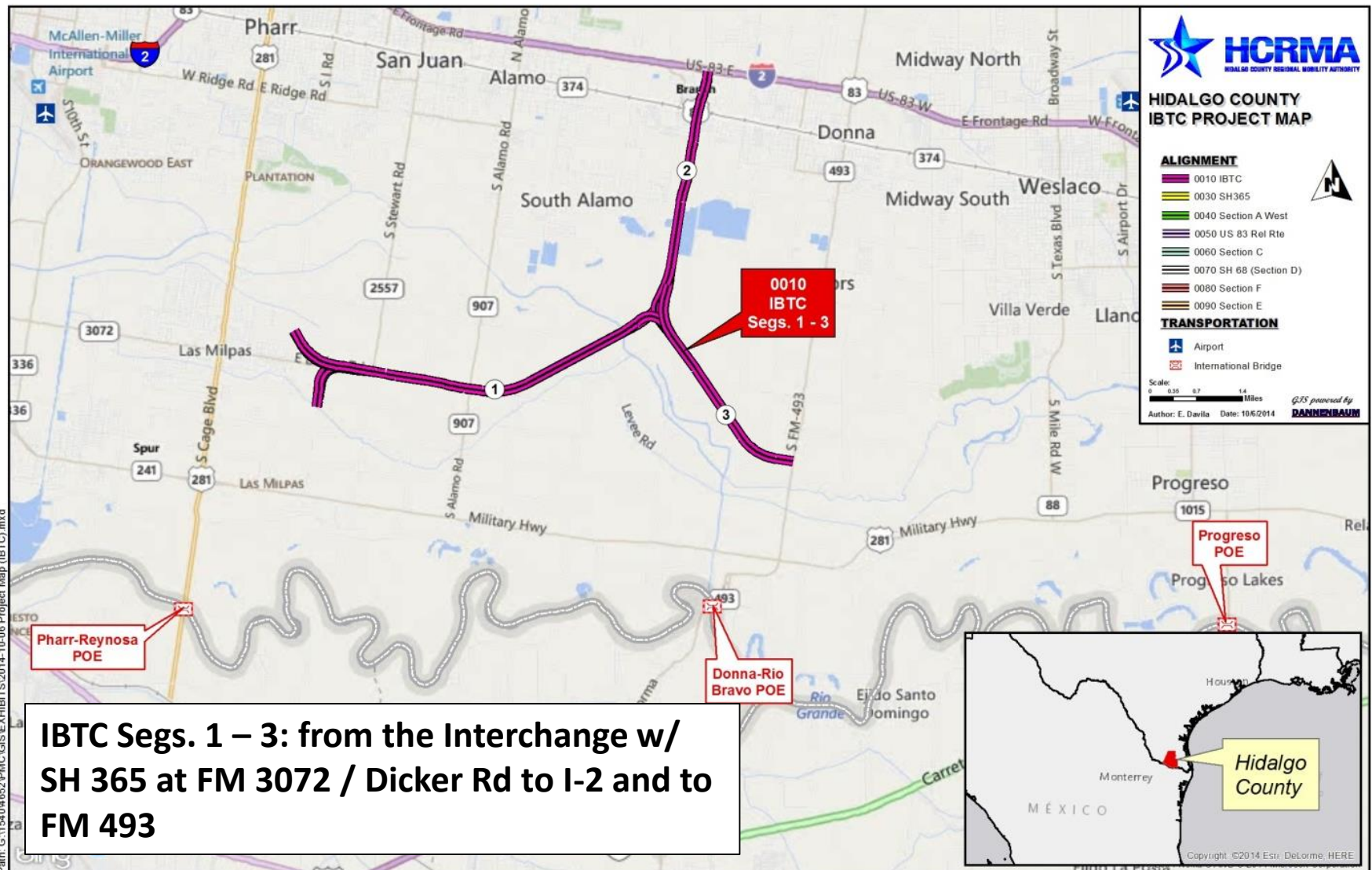
– USIBWC

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

– USACE 404 Permit & Wetland Mitigation Plan

- Executed USACE 404 Individual Permit received September 22, 2016.
- The proposed wetland mitigation site has been selected and an offer is being prepared.

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	2018												2019											
	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)	2/17 Obtain Class. Letter																							
Final Design																								
ROW Acquisition Phase																								
Utility Relocation																								
Constr. Bid Advertisement																								
Constr. Bid Opening (Letting)																								
Construction Starts																								

CONSTRUCTION FOR SH 365 PHASE II: FROM 6/1/2019 TO 12/30/2021

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

- Lining up all work previously done on environmental clearance including: cultural resources, early ROW acquisition, hazmat in order to get baseline of work done to date to support a classification request of an EA.

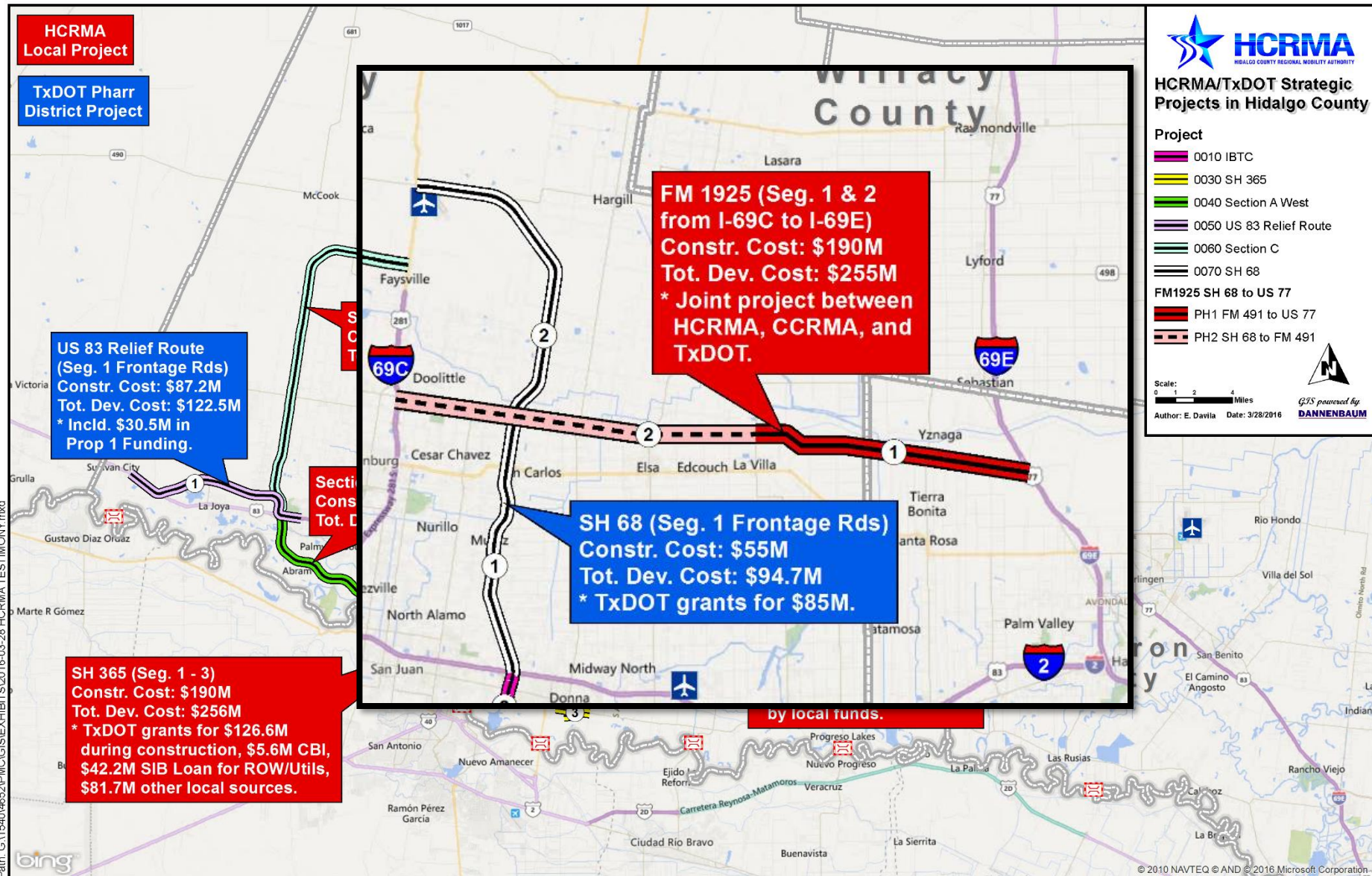
■ ROW Mapping

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

■ ROW Acquisition

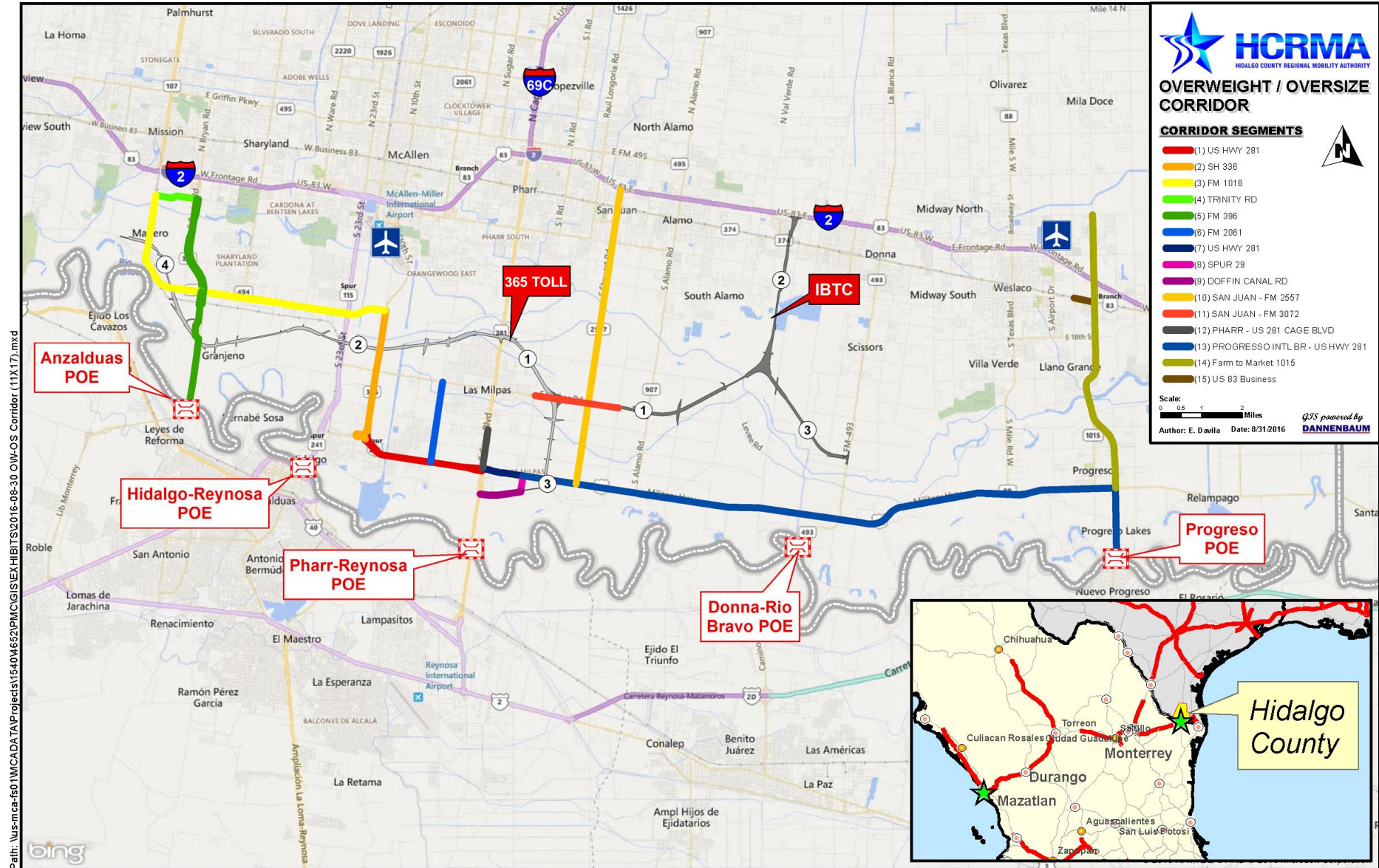
- All parcels north of Donna Reservoirs have been submitted to the ROW Acquisition Team.
- Early acquisition is nearing completion for the AEP/ETT local project ROW for the transmission line (4 parcels remain at various stages of closure).
- ROW parcels will need to be developed for alignment changes currently being vetted in the environmental document.

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.
 - \$40M in Proposition 1 & 7 funds for the Right-of-Way and Construction of the segment of the project from FM 88 East to the Cameron County line have been allocated at the HCMPO.

Project Overview for Overweight/Oversize Corridor Permits



Overweight/Oversize Corridor Permits Report



DANNENBAUM – PROGRAM MANAGER

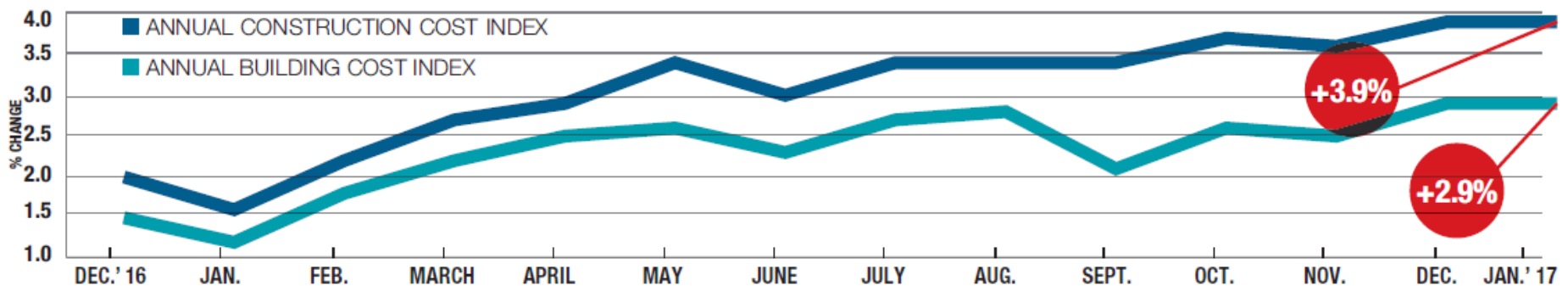
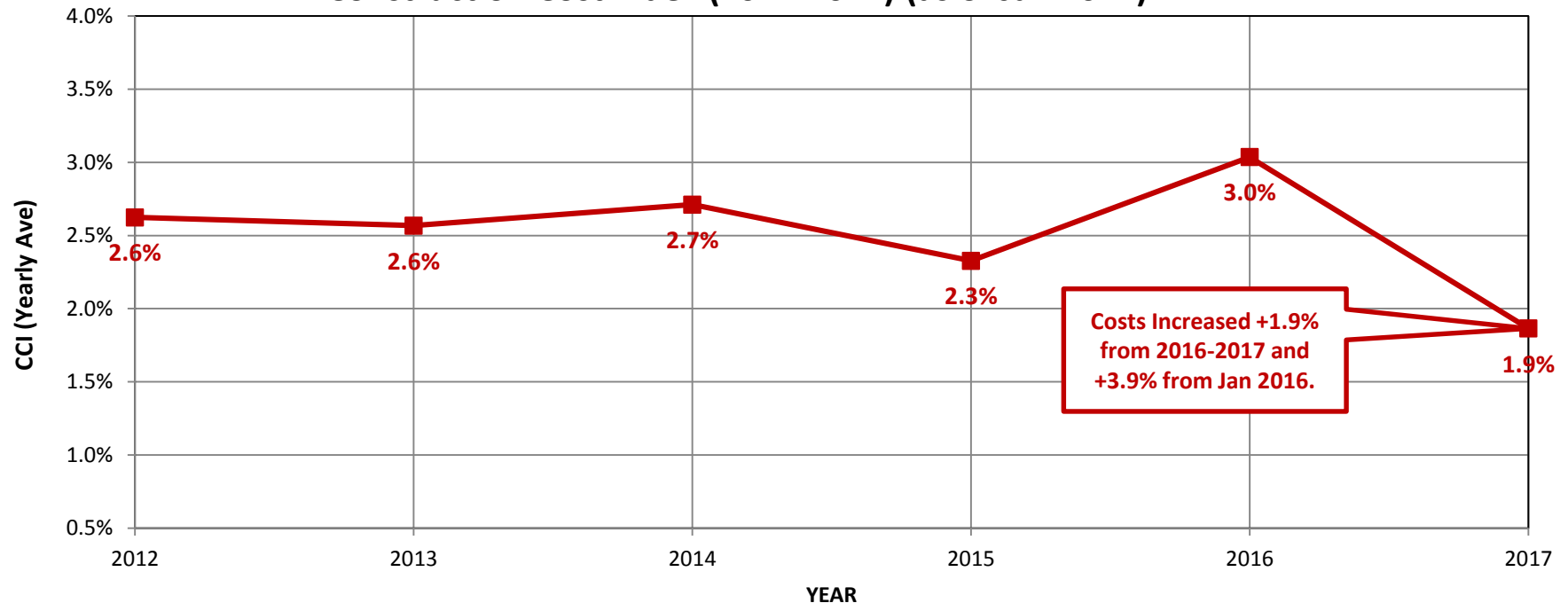
**From 01/01/2016 – 12/30/2016
(year end summary)**

Total Permits Issued:	28,357
Total Amount Collected:	\$ 2,331,860
▪ Convenience Fees (CC):	\$ 63,300
▪ Total Permit Fees:	\$ 2,268,560
– Pro Miles:	\$ 85,071
– TxDOT:	\$ 1,928,276
– HCRMA:	\$ 255,213

Construction Cost Index

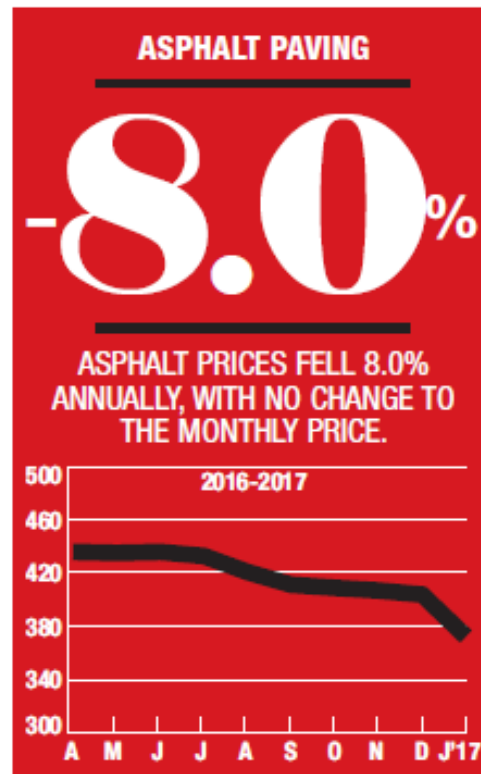
Construction Cost Index (2012-2017) (as of Jan 2017)

Source: McGraw Hill Construction ENR



Construction Cost Trends: Asphalt Paving Prices

- The 20-city average price for liquid asphalt has changed as follows:
 - Price didn't decrease in Jan 2017
 - Price decreased -8.0% since Jan 2016



20-CITY AVERAGE

ITEM	UNIT	\$PRICE	%MONTH	%YEAR
ASPHALT PAVING				
PG 58	TON	367.37	0.0	-8.0
Cutback, MC800	TON	382.12	-0.1	+1.3
Emulsion, RAPID SET	TON	359.00	+0.1	+1.4
Emulsion, SLOW SET	TON	368.46	+0.2	+0.5

PORTLAND CEMENT

Type one	TON	111.87	+2.0	-2.3
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MASONRY CEMENT

70-lb	BAG	8.59	-4.8	+0.6
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CRUSHED STONE

Base course	TON	10.03	0.0	-3.4
Concrete course	TON	10.85	+0.5	+1.5
Asphalt course	TON	11.00	-0.1	-0.9

SAND

Concrete	TON	9.13	-0.1	-1.0
Masonry	TON	11.00	+0.6	+4.4

READY-MIX CONCRETE

3,000 psi	CY	111.87	0.0	+2.7
4,000 psi	CY	116.06	0.0	+2.3
5,000 psi	CY	122.30	0.0	+1.8

CONCRETE BLOCK

Normal weight: 8" x 8" x 16"	C	138.91	+0.3	-4.1
Lightweight: 8" x 8" x 16"	C	167.01	+0.1	+3.2
12" x 8" x 16"	C	174.58	-0.1	-0.1

Source: McGraw Hill Construction ENR