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Program Management Consultant
DANNENBAUM ENGINEERING CORP

PMC/GEC STATUS REPORT (JULY 2015)

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: 05/2015 Invoice)



DANNENBAUM – PROGRAM MANAGER

Task (Current Billing)	WA 9 3/1/14 - 6/30/18	WA 16 5/28/14-10/31/14	WA9 - WA18 3/1/14 - 6/30/18
Program Management Consultant	\$ 170,502	\$ -	\$ 170,502
Project & Systemwide Mgt	\$ 170,502	\$ -	\$ 170,502
Construction Mgt	\$ -	\$ -	\$ -
General Engineering Consultant (Tasks on Behalf of the Agency)	\$ -	\$ -	\$ -
Analyzing Documentation	\$ -	\$ -	\$ -
Building Agency	\$ -	\$ -	\$ -
Strategic Planning	\$ -	\$ -	\$ -
Public Outreach	\$ -	\$ -	\$ -
Advance Planning	\$ -	\$ -	\$ -
Total for All Tasks:	\$ 170,502	\$ -	\$ 170,502

Firm (Current Billing)	WA 9 3/1/14 - 6/30/18	WA 16 5/28/14-10/31/14	WA9 - WA18 3/1/14 - 6/30/18
Dannenbaum Eng Corp.	\$ 160,502	\$ -	\$ 160,502
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)	\$ -	\$ -	\$ -
Sub: RODS SUE (DBE)	\$ -	\$ -	\$ -
Sub: UNINTECH (DBE)	\$ -	\$ -	\$ -
Sub: CSE (DBE)	\$ -	\$ -	\$ -
Total for All Firms:	\$ 170,502	\$ -	\$ 170,502

- Completed WA's: WA 10 for IBTC ROW Strip Map; WA 11 for IBTC Low Level Flight; WA 12 for TRZ No. 2 / HCAD Tax Database Update; WA 13 for IBTC Environmental Assessment (Regional Toll Analysis); WA 14 SH365/IBTC Inv. Grd. T&R; WA 15 for TIGER Grant; WA 17 Traffic Projections for Warrant Studies SH365+IBTC; WA 18 for IBTC SUE.

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

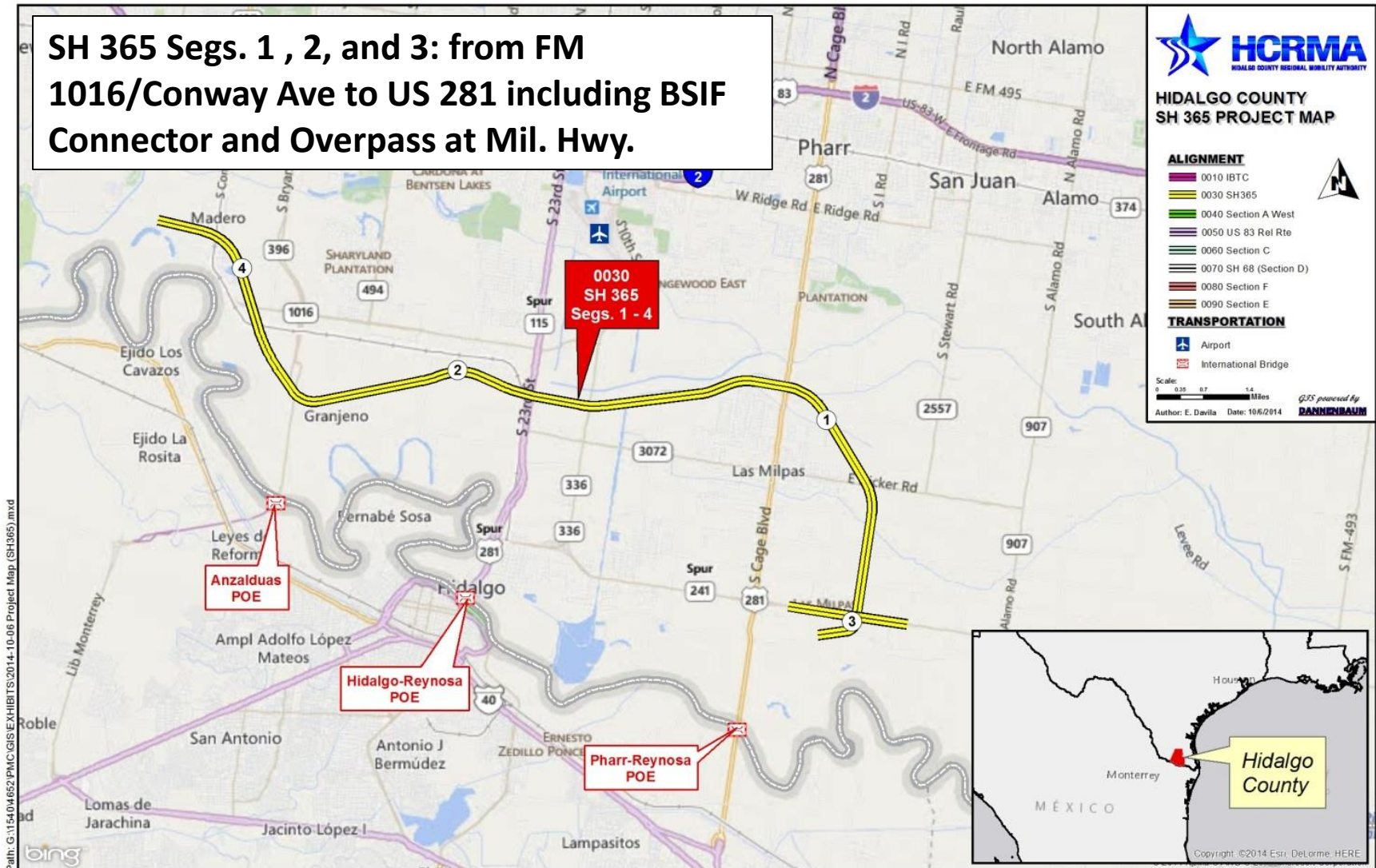
Task (Earned to Date)	WA 9 3/1/14 - 6/30/18	WA 16 5/28/14-10/31/14	WA9 - WA18 3/1/14 - 6/30/18
Program Management Consultant	\$ 3,984,219	\$ -	\$ 3,984,219
Project & Systemwide Mgt	\$ 3,984,219	\$ -	\$ 3,984,219
Construction Mgt	\$ -	\$ -	\$ -
General Engineering Consultant (Tasks on Behalf of the Agency)	\$ -	\$ 137,094	\$ 137,094
Analyzing Documentation	\$ -	\$ -	\$ -
Building Agency	\$ -	\$ -	\$ -
Strategic Planning	\$ -	\$ -	\$ -
Public Outreach	\$ -	\$ -	\$ -
Advance Planning	\$ -	\$ 137,094	\$ 137,094
Total for All Tasks:	\$ 3,984,219	\$ 137,094	\$ 4,121,313

Firm (Earned to Date)	WA 9 3/1/14 - 6/30/18	WA 16 5/28/14-10/31/14	WA9 - WA18 3/1/14 - 6/30/18
Dannenbaum Eng Corp.	\$ 2,978,699	\$ -	\$ 2,978,699
Direct Labor: Pathfinder	\$ 170,000	\$ -	\$ 170,000
Direct Labor: George Ramon	\$ 179,400	\$ -	\$ 179,400
Sub: Aranda and Assoc. (DBE)	\$ 416,920	\$ -	\$ 416,920
Sub: Blanton & Assoc. (DBE)	\$ 219,200	\$ -	\$ 219,200
Sub: C&M Associates (DBE)	\$ -	\$ -	\$ -
Sub: RODS SUE (DBE)	\$ -	\$ -	\$ -
Sub: UNINTECH (DBE)	\$ 20,000	\$ -	\$ 20,000
Sub: CSE (DBE)	\$ -	\$ 137,094	\$ 137,094
Total for All Firms:	\$ 3,984,219	\$ 137,094	\$ 4,121,313

- Completed WA's: WA 10 for IBTC ROW Strip Map; WA 11 for IBTC Low Level Flight; WA 12 for TRZ No. 2 / HCAD Tax Database Update; WA 13 for IBTC Environmental Assessment (Regional Toll Analysis); WA 14 SH365/IBTC Inv. Grd. T&R; WA 15 for TIGER Grant; WA 17 Traffic Projections for Warrant Studies SH365+IBTC; WA 18 for IBTC SUE.

- 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 (TxDOT, DID, and AEP), in addition to Staff support for ROW document preparation, contract document support, and document control.
- PMC WA 16: Offsite Hydrologic Studies are 85% complete by Civil Systems Engineers (Deren Li) for eventual use on HCDD#1 Outfall Improvements
 - Pending final onsite routing analyses (reviews provided by PMC H&H Staff) from section engineers in order to finalize overall study.

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																								
	Bid Phase Starts																								
	Construction Starts																								

CONSTRUCTION FOR SH 365 PHASE I: FROM 01/01/2016 TO 08/31/2017

SH 365 - Phase II (Segments 1 & 2)

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

	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																								
	ROW Acquisition Phase																								
	Utility Relocation																								
	Bid Phase Starts																								
	Construction Starts																								

CONSTRUCTION FOR SH 365 PHASE II: FROM 07/01/2016 TO 12/31/2018

■ Design

- PS&E on SH 365 Segment 3 (US 281/BSIF) is 100% complete.
- PS&E on SH 365 Segments 1 and 2 are 90% complete.
- All requested subsurface utility exposures are 100% complete.
- Geo-technical for SH 365 Segment 3 (US 281) is 95% complete (pavement design on BSIF pending).
- Geo-technical for SH 365 Segments 1 and 2 are 95% complete.
- Onsite Hydrologic Studies for SH 365 Segments 1, 2, and 3 are 100% complete.

■ Environmental

- TxDOT ENV has rendered a Finding of No Significant Impact (FONSI) for SH 365 Project:
 - TxDOT Issued FONSI on 7/3/15
 - Letter of Authority for US 281 Anticipated 7/10/15

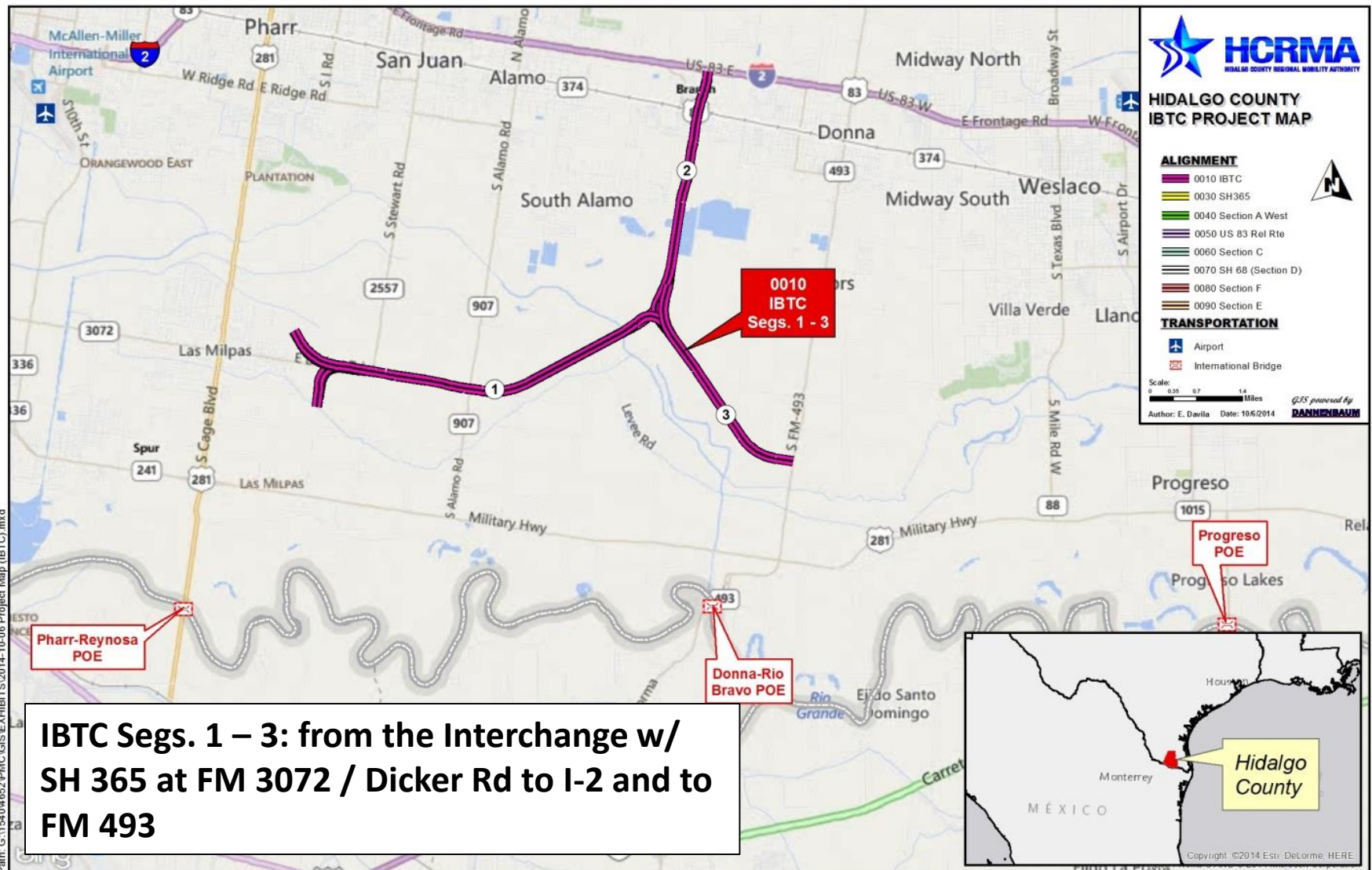
■ ROW Mapping / Acquisition

- Mapping complete (Segments 1 – 4)
- Acquisition complete on Segment 3
- ROW Maps and Parcels for Segments 1 & 2 delivered to ROW team. Appraisals forthcoming, as well as updated title commitments and ROW agent preparation.
- Utility relocations on Segment 3 ongoing
- Utility kickoff meetings conducted on Segments 1 & 2

- **US 281 / BSIF Connector Bid Proposal – for August 2015 Letting**
 - Bid Package Preparation (PS&E + Bid Proposal) (Submitted to TxDOT).
 - Create Bid Plan (Submitted to TxDOT).
 - Create Newspaper Advertisement / Bidding Notice (Submitted to TxDOT).
 - Receive Letter of Authority from TxDOT (07/10/15).
 - Submit Bid Advertisement to Newspaper and Online as well as have electronic Bid Package available on the HCRMA website (7/26/15).
 - Conduct a Mandatory Pre-Bid Meeting (1:30P) and DBE Conference (3:30P) at McAllen Convention Center (8/14/15).

- **US 281 / BSIF Connector Bid Proposal – for August 2015 Letting**
 - Maintain a Bid Received log (Starts 7/27/15) – HCRMA Staff to Notify PMC as they are submitted. Sealed Bids to be submitted to HCRMA Staff at Pharr City Hall.
 - Field Questions from Bidders (7/27/15) (process outlined in Advertisement and Bid Package) and post answers to HCRMA website (ends 8/21/15) and post / issue necessary addendums (w/ TxDOT pre-approval) (ends 8/25/15).
 - Bidding Closes at 3:00P and Bid Opening commences at 3:05P and “Apparent Low Bidder” Announced at Pharr City Commission Chambers (8/28/15).
 - Determine if Apparent Low Bid is Above the Engineer’s Estimate (8/31/15)
 - Prepare bid tabulation and review (8/31/15 to 9/4/15)
 - Approval of Contract / Award (9/4/15 to 10/31/15)
 - Construction Contract Award (11/1/15 to 12/1/15)

Project Overview for IBTC



Schedule to be Revised Based on Discussions with TxDOT on Project Development Next Steps

■ 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.
- Subsurface Utility Exposures are 100% complete.

■ Environmental

- NEPA document and fieldwork stopped 2/17/15 per stop work order issued by HCRMA pending further project development discussions with TxDOT.

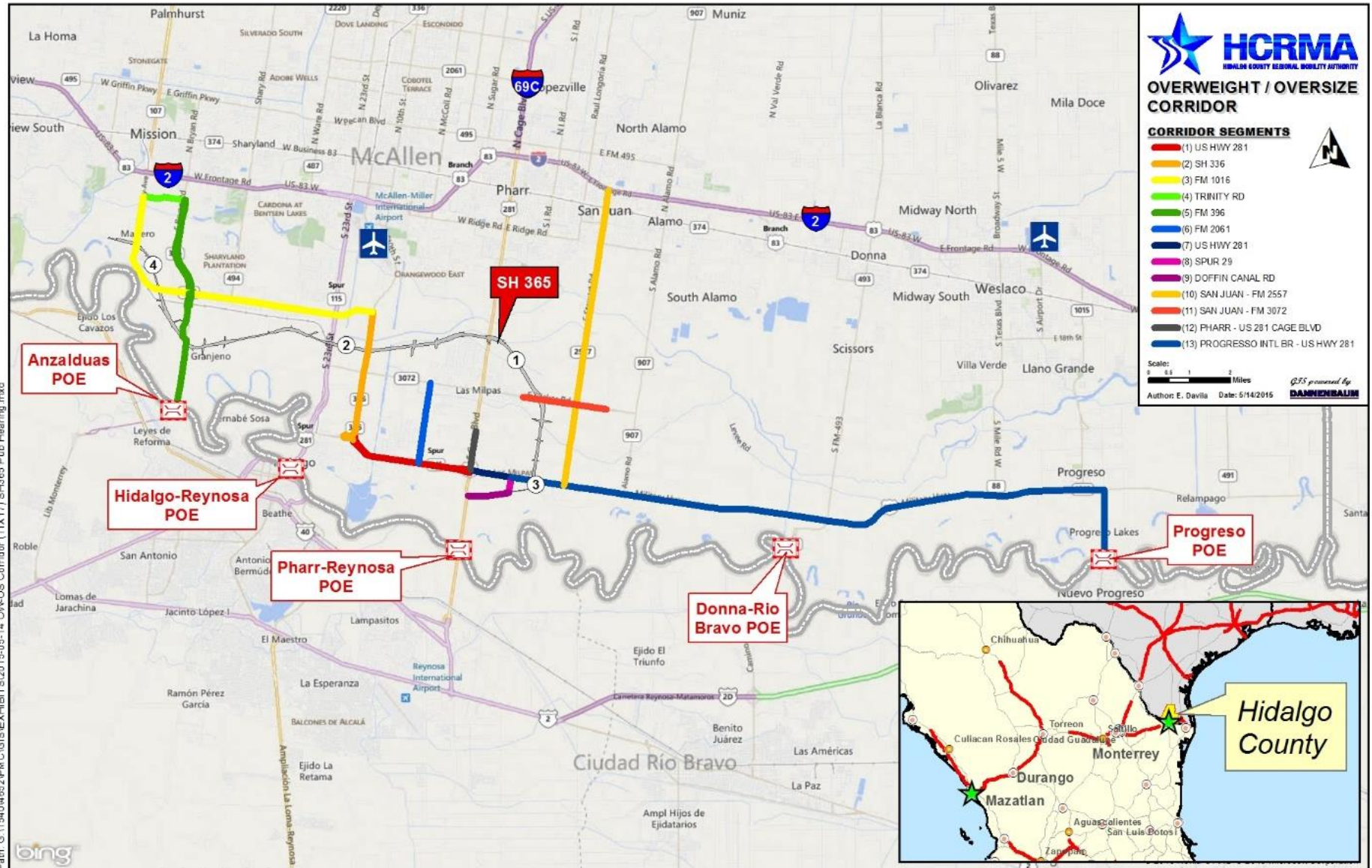
- **ROW Mapping**

- Strip map for complete IBTC project is complete for the entire project.

- **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.

Project Overview for Overweight/Oversize Corridor Permits

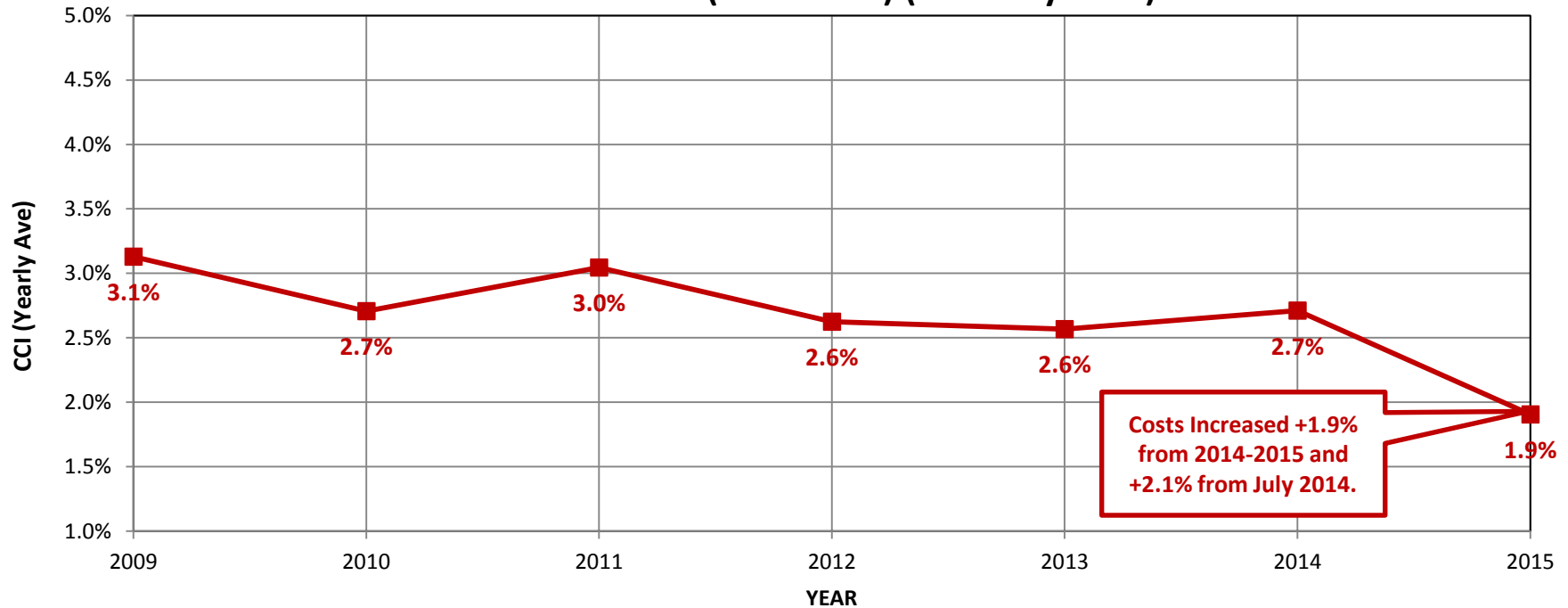


From 01/01/2015 – 07/06/2015

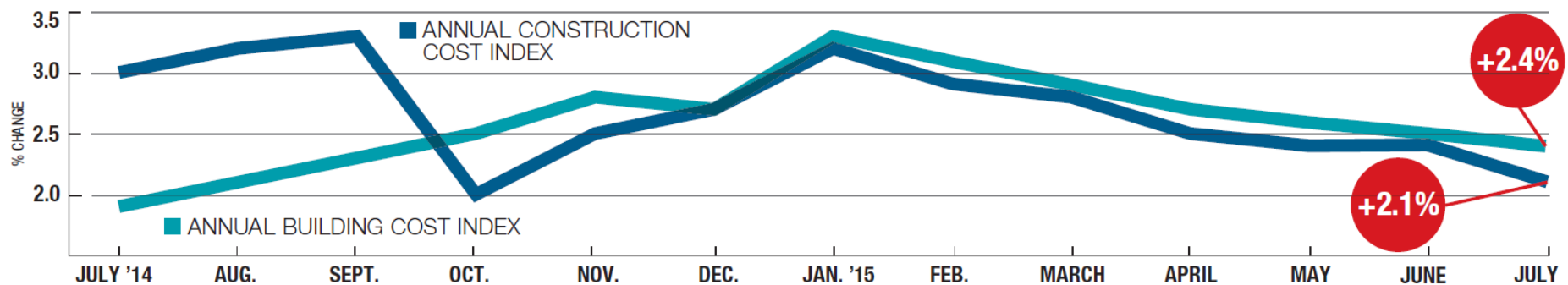
- Total Permits Issued: 6802
- Total Amount Collected: \$556,656.80
 - Convenience Fees (credit card): \$12,496.80
 - Total Permit Fees: \$544,160.00
 - Pro Miles Fees: \$20,406.00
 - TXDOT Total: \$462,536.00
 - HCRMA Total: \$61,218.00

Construction Cost Index

Construction Cost Index (2009-2015) (as of July 2015)



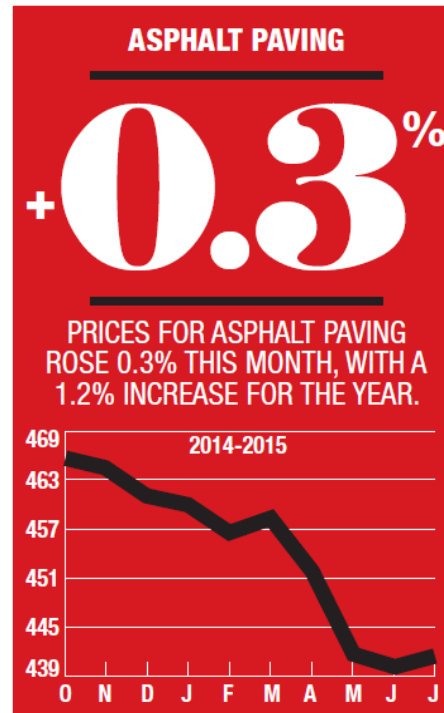
Source: McGraw Hill Construction ENR



Construction Cost Trends: Asphalt Paving Prices

1. The 20-city average price for liquid asphalt has changed in 2015:

- a. -0.2% Jan
- b. -0.8% Feb
- c. -0.4% Mar
- d. -1.4% Apr
- e. -2.3% May
- f. -0.3 June
- g. +0.3 July



20-CITY AVERAGE

ITEM	UNIT	\$PRICE	%MONTH	%YEAR
ASPHALT PAVING				
PG 58	TON	397.31	+0.3	+1.2
Cutback, MC800	TON	377.24	+0.1	+0.1
Emulsion, RAPID SET	TON	355.32	+0.5	-0.3
Emulsion, SLOW SET	TON	367.61	+0.6	+0.8

PORTLAND CEMENT

Type one	TON	115.55	-0.1	+0.4
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MASONRY CEMENT

70-lb	BAG	8.54	-0.2	+1.0
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CRUSHED STONE

Base course	TON	10.46	-0.1	+0.4
Concrete course	TON	10.82	0.0	+4.8
Asphalt course	TON	11.22	+5.4	-0.8

SAND

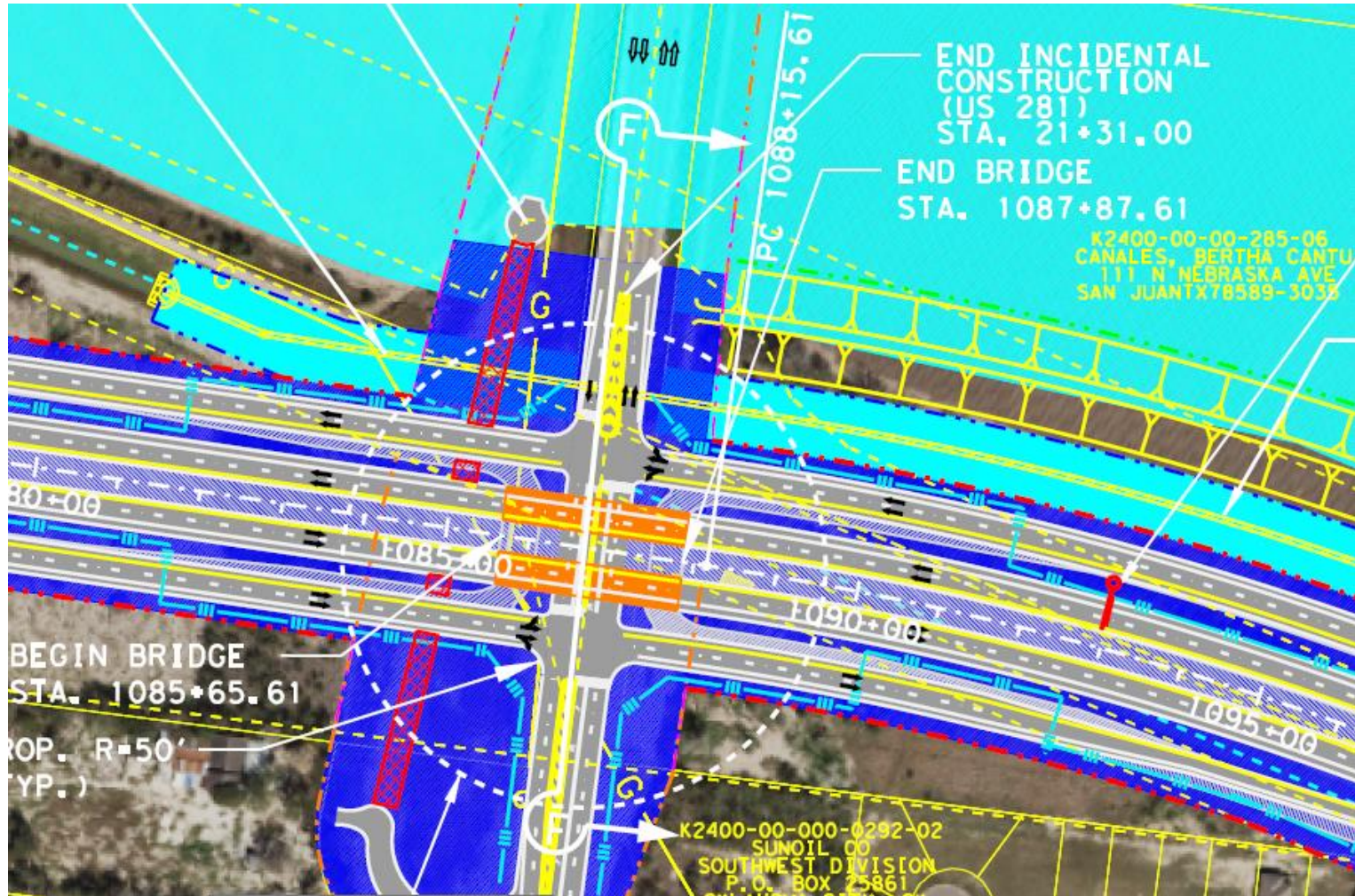
Concrete	TON	9.26	-5.1	-5.5
Masonry	TON	10.65	-0.1	+0.8

READY-MIX CONCRETE

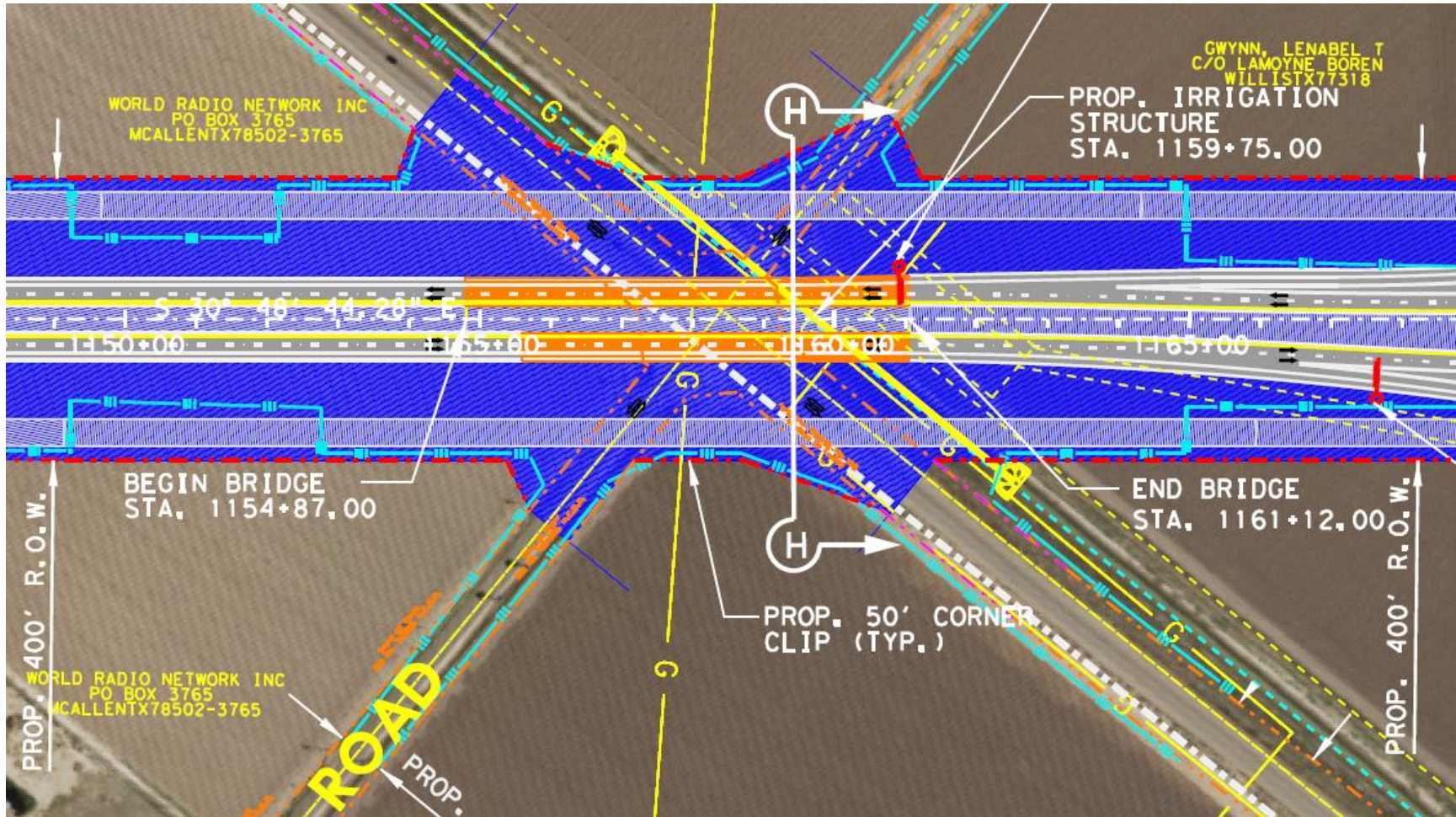
3,000 psi	CY	108.53	+0.7	+3.3
4,000 psi	CY	112.75	+0.6	+2.4
5,000 psi	CY	119.87	+0.5	+1.4

CONCRETE BLOCK

Normal-weight: 8" x 8" x 16"	C	144.95	0.0	+2.2
Lightweight: 8" x 8" x 16"	C	162.09	+0.2	-0.4
12" x 8" x 16"	C	181.07	+2.0	+2.0



US 281 (CAGE AVENUE) OVERALL BRIDGE LENGTH = 222 FT



"I" ROAD OVERALL BRIDGE LENGTH = 488 FT

S&B SWA 2 to WA 2 for I-Rd Br Design



DANNENBAUM – PROGRAM MANAGER

BRIDGE	Engineers Fee	S.F.	Eng. Cost /S.F.	Type of Structure	Type of Foundation
FM 2061 (Jackson Rd)	\$ 176,531.44	22,080.00	\$8.00	Concrete Slab	Drill Shaft
US 281 (Cage Blvd)	\$ 176,645.00	20,160.00	\$8.76	Concrete Slab	Drill Shaft
* I Rd	\$ 416,035.33	51,300.00	\$8.11	Steel	Piles with cap
FM 3072 (Dicker Rd)	\$ 176,645.00	21,868.00	\$8.08	Concrete Slab	Drill Shaft
Drain Ditches	\$ 174,324.19	15,200.00	\$11.47	Concrete Slab	Drill Shaft
Anaya Rd	\$ 176,645.00	20,160.00	\$8.76	Concrete Slab	Drill Shaft
Highline Rd	\$ 176,519.95	18,720.00	\$9.43	Concrete Slab	Piles with cap

* "I" Road not negotiated on original contract.