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Program Management Consultant
DANNENBAUM ENGINEERING CORP

PMC/GEC STATUS REPORT (09/2015)

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: 09/2015 Invoice)



DANNENBAUM – PROGRAM MANAGER

Task (Current Billing)	WA 9 3/1/14 - 6/30/18	WA 16 5/28/14-10/31/14	WA9 - WA19 3/1/14 - 6/30/18
Program Management Consultant	\$ 187,870	\$ -	\$ 187,870
Project & Systemwide Mgt	\$ 187,870	\$ -	\$ 187,870
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:	\$ 187,870	\$ -	\$ 187,870

Firm (Current Billing)	WA 9 3/1/14 - 6/30/18	WA 16 5/28/14-10/31/14	WA9 - WA19 3/1/14 - 6/30/18
Dannenbaum Eng Corp.	\$ 174,150	\$ -	\$ 174,150
Direct Labor: Pathfinder	\$ 10,000	\$ -	\$ 10,000
Direct Labor: George Ramon	\$ -	\$ -	\$ -
Sub: Aranda and Assoc. (DBE)	\$ 3,720	\$ -	\$ 3,720
Sub: Blanton & Assoc. (DBE)	\$ -	\$ -	\$ -
Sub: C&M Associates (DBE)	\$ -	\$ -	\$ -
Sub: RODS SUE (DBE)	\$ -	\$ -	\$ -
Sub: UNINTECH (DBE)	\$ -	\$ -	\$ -
Sub: CSE (DBE)	\$ -	\$ -	\$ -
Total for All Firms:	\$ 187,870	\$ -	\$ 187,870

- Recently completed WA's: WA 19 for T&R on Addl. VE Options.

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



DANNENBAUM – PROGRAM MANAGER

Task (Earned to Date)	WA 9 3/1/14 - 6/30/18	WA 16 5/28/14-10/31/14	WA9 - WA19 3/1/14 - 6/30/18
Program Management Consultant	\$ 4,335,800	\$ -	\$ 4,335,800
Project & Systemwide Mgt	\$ 4,335,800	\$ -	\$ 4,335,800
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:	\$ 4,335,800	\$ 137,094	\$ 4,472,894

Firm (Earned to Date)	WA 9 3/1/14 - 6/30/18	WA 16 5/28/14-10/31/14	WA9 - WA19 3/1/14 - 6/30/18
Dannenbaum Eng Corp.	\$ 3,322,840	\$ -	\$ 3,322,840
Direct Labor: Pathfinder	\$ 190,000	\$ -	\$ 190,000
Direct Labor: George Ramon	\$ 179,400	\$ -	\$ 179,400
Sub: Aranda and Assoc. (DBE)	\$ 424,360	\$ -	\$ 424,360
Sub: Blanton & Assoc. (DBE)	\$ 219,200	\$ -	\$ 219,200
Sub: C&M Associates (DBE)	\$ -	\$ -	\$ -
Sub: RODS SUE (DBE)	\$ -	\$ -	\$ -
Sub: UNINTECH (DBE)		\$ -	\$ -
Sub: CSE (DBE)	\$ -	\$ 137,094	\$ 137,094
Total for All Firms:	\$ 4,335,800	\$ 137,094	\$ 4,472,894

- Recently completed WA's: WA 19 for T&R on Addl. VE Options.

■ 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.
- Construction Management tasks include Bid Phase ramp up for US 281 / BSIF Letting.

- **PMC WA 9 Cont.**
 - Represented HCRMA at HCMPO Technical Advisory Committee workshop for Prop 1 funding and presented letter from HCRMA requesting Category 7 funding freed up by Prop 1 funded projects for ROW/Utilities on SH 365 Seg. 4.
- **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.
- **PMC WA 19**
 - C&M conducted a check on T&R projections based on possible VE scenarios and are 100% complete.

Project Overview for SH 365

SH 365 Segs. 1, 2, and 3: from FM 1016/Conway Ave to US 281 including BSIF Connector and Overpass at Mil. Hwy.



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 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.

■ Environmental

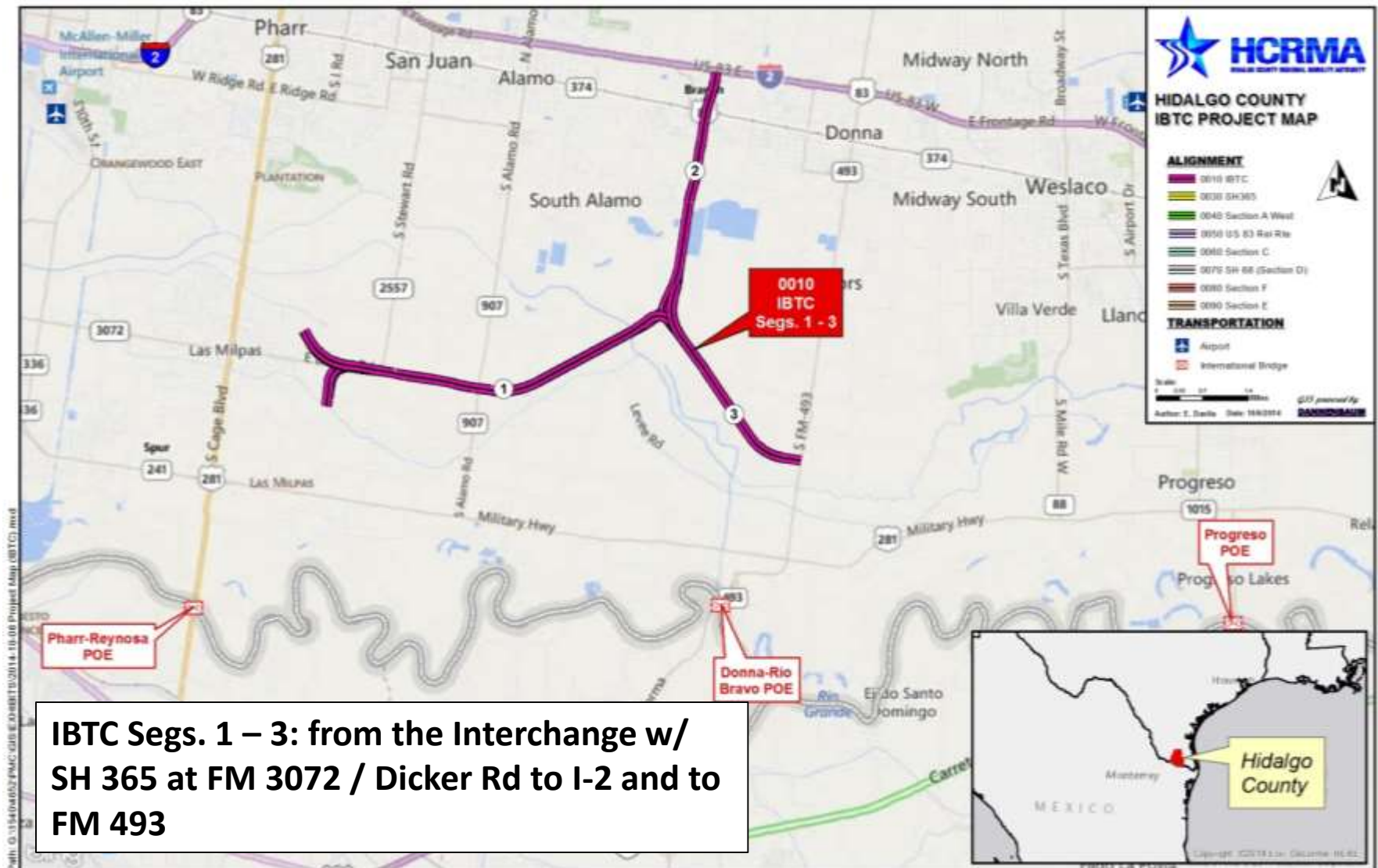
- TxDOT ENV has rendered a Finding of No Significant Impact (FONSI) for SH 365 Project:
 - TxDOT Issued FONSI on 7/3/15
 - Letter of Authority for US 281 received 7/31/15

■ 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. Offers went out to landowners from US 281 to Jackson Rd. (majority of Segment 1)
- Utility relocations on Segment 3 ongoing
- Utility kickoff meetings conducted on Segments 1 & 2 – follow up monthly meetings scheduled in order to acquire redline or additional data from those potentially in conflict

- **US 281 / BSIF Connector Bid Proposal – for Sept 2015 Letting Status**
 - Letter of Authority for US 281/BSIF received 7/31/15.
 - First Bid advertisement published on 8/2/2015 as well as www.hcrma.net.
 - Conducted a Mandatory Pre-Bid Meeting (1:30P) and DBE Conference (3:30P) at McAllen Convention Center (8/14/15).
 - Issued Addendum #1 to extend bid opening until 9/30/15.
 - Accepting bids until 3:00P at HCRMA Offices, 118 S. Cage Blvd, 4th Floor Pharr, Texas 78577, 4th Floor, (9/30/15).
 - Opening bids at 3:05P at City of Pharr City Commission Chambers, 118 S. Cage Blvd, 2nd Floor Pharr, Texas 78577 (9/30/15).

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																												
Bid Phase Starts																												
Construction Starts																												
CONSTRUCTION FROM 06/2017 TO 11/2019																												

Proposed Revised Schedule:

- Contingent upon Board direction
- Funding considerations
- Clearing environmental in order to get project closer to shovel readiness

■ 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

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

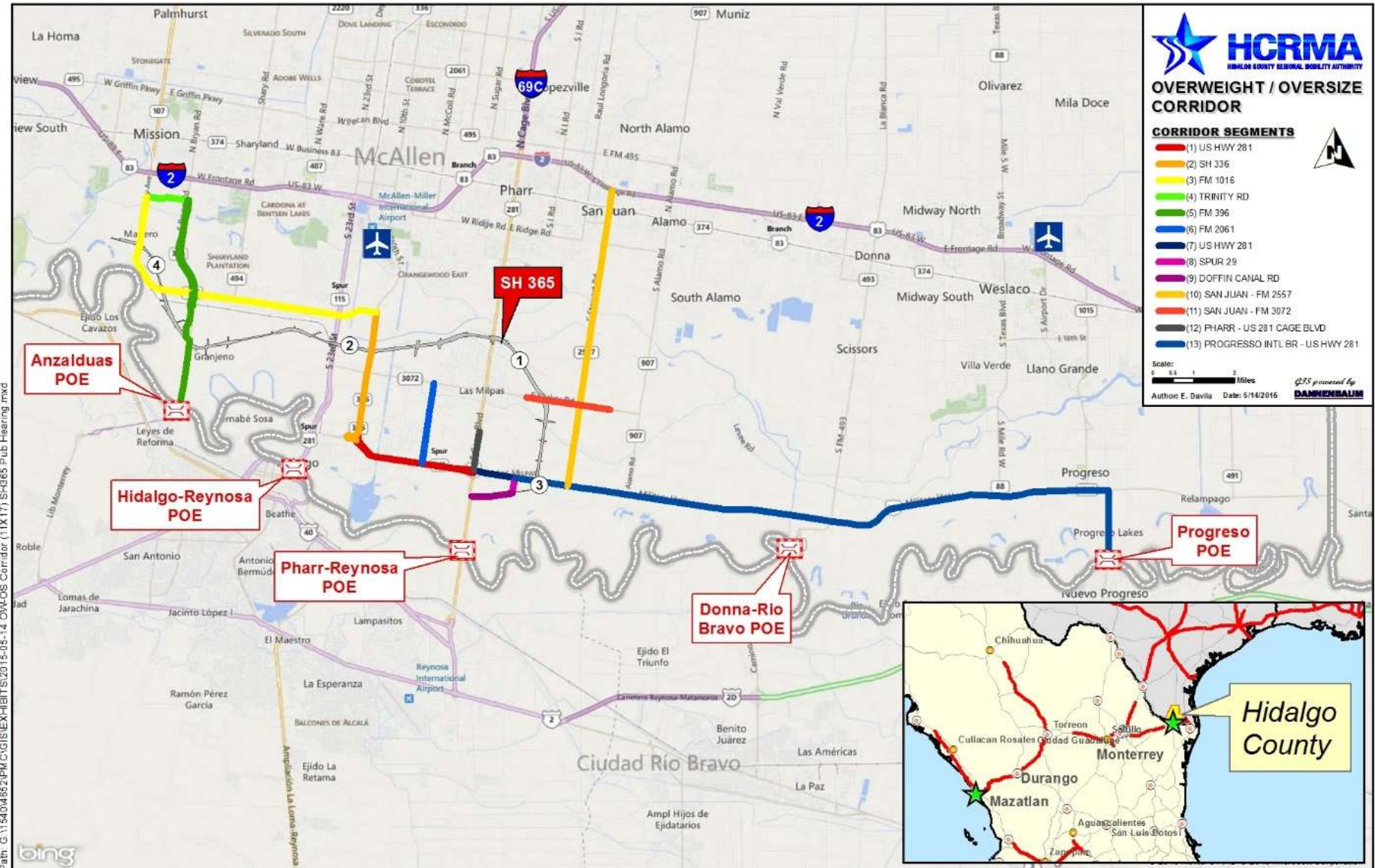
■ ROW Mapping

- 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.
- PMC assisted in coordinating master easement parcels prepared by RGEC and QHA for use in negotiation easement transfer to ETT-AEP. PMC also prepared final cost to be used in those negotiations and are assisting with utility relocation along that corridor based on AEP's guidance/requirements.

Project Overview for Overweight/Oversize Corridor Permits

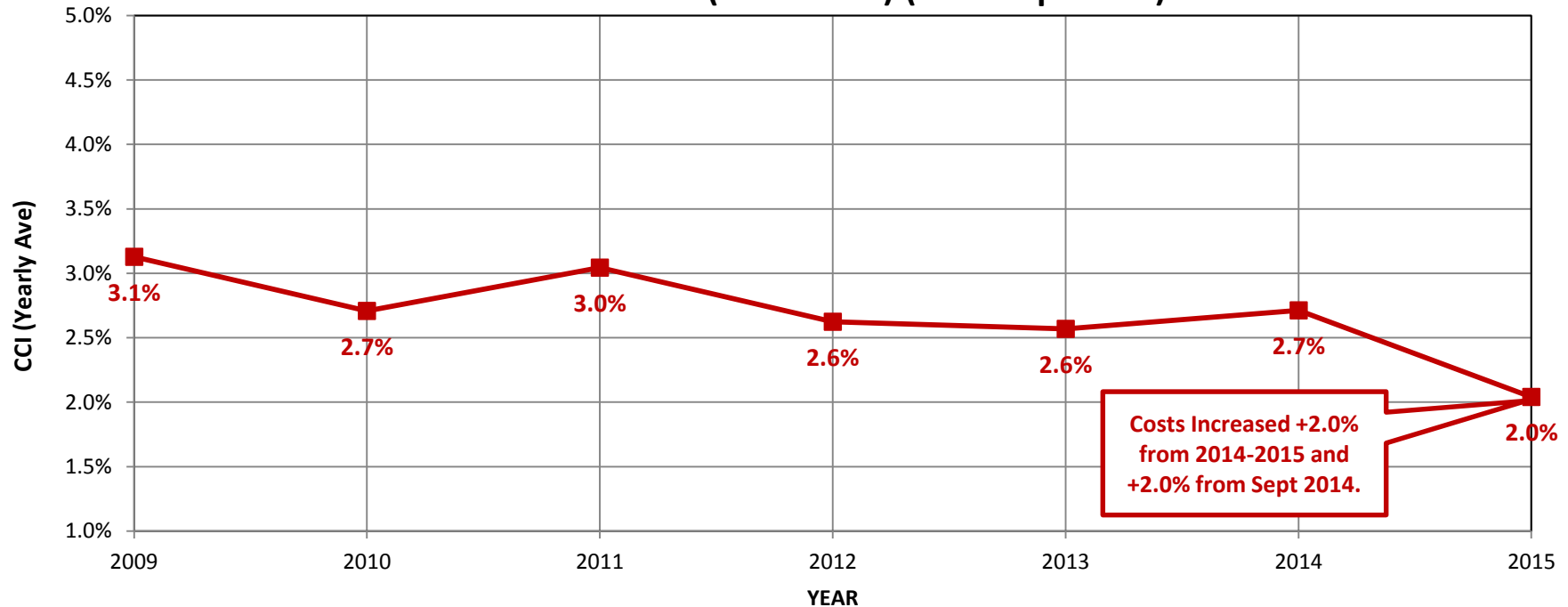


From 01/01/2015 – 09/04/2015

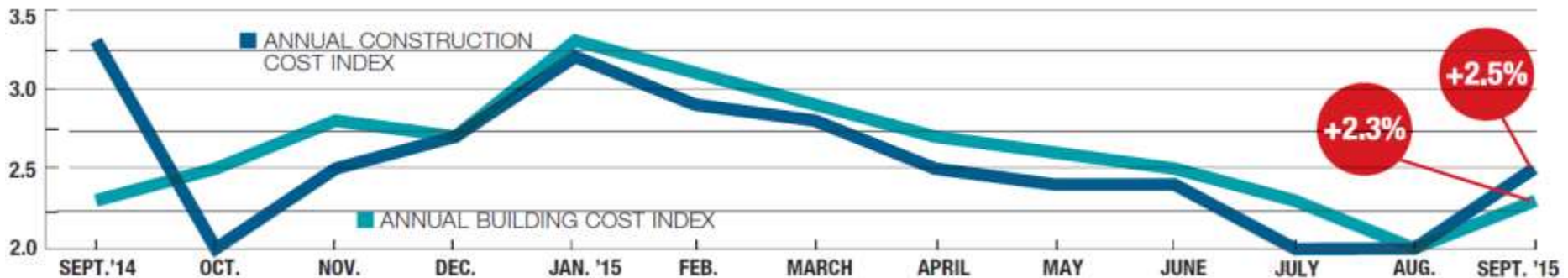
- Total Permits Issued: 9491
- Total Amount Collected: \$777,769.60
 - Convenience Fees (credit card): \$18,489.60
 - Total Permit Fees: \$759,280.00
 - Pro Miles Fees: \$28,473.00
 - TXDOT Total: \$645,388.00
 - HCRMA Total: \$85,419.00

Construction Cost Index

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



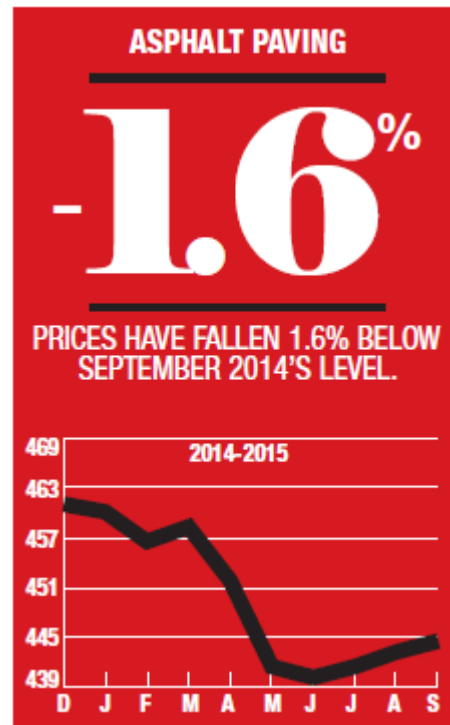
Source: McGraw Hill Construction ENR



Construction Cost Trends: Asphalt Paving Prices

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

- 0.2% Jan
- 0.8% Feb
- 0.4% Mar
- 1.4% Apr
- 2.3% May
- 0.3% June
- +0.3% July
- +0.4% Aug
- +0.3% Sept



20-CITY AVERAGE

ITEM	UNIT	\$PRICE	%MONTH	%YEAR
ASPHALT PAVING				
PG 58	TON	400.15	+0.3	-1.6
Cutback, MC800	TON	377.25	0.0	-0.6
Emulsion, RAPID SET	TON	356.06	+0.2	-1.0
Emulsion, SLOW SET	TON	367.48	-0.1	+0.1

PORTLAND CEMENT

Type one	TON	115.13	-0.4	-0.7
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MASONRY CEMENT

70-lb	BAG	8.36	-2.0	-1.9
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CRUSHED STONE

Base course	TON	10.47	0.0	+ 0.1
Concrete course	TON	10.8	-0.1	+3.6
Asphalt course	TON	10.65	+0.1	-5.9

SAND

Concrete	TON	9.74	0.0	-0.5
Masonry	TON	10.63	0.0	+0.7

READY-MIX CONCRETE

3,000 psi	CY	109.56	+0.9	+2.6
4,000 psi	CY	112.99	+0.1	+1.4
5,000 psi	CY	120.21	+0.2	+0.8

CONCRETE BLOCK

Normal-weight: 8" x 8" x 16"	C	144.83	-0.1	+0.8
Lightweight: 8" x 8" x 16"	C	161.53	-0.1	-2.2
12" x 8" x 16"	C	174.94	-0.1	-2.4