PAVED
Projects Adding Value by Expanding Diversity

Civil Rights Division
Agenda

Texas Department of Transportation

PAVED
Transportation Summit

El Paso Community College
Administrative Services Center - Conference Room
9050 Viscount Blvd., Building A, El Paso, TX 79925
Friday, June 23, 2017 - 8:00 AM - 4:00 PM

8:00 AM – 9:00 AM  Registration | Check-in | Continental Breakfast
9:00 AM – 9:30 AM  Welcome and Introductions | Event Overview
9:30 AM – 10:00 AM Case Study
10:00 AM – 11:00 AM Prime Contractor (Construction Services) Panel
11:00 AM – 12:00 PM Prime Consultant (Professional Services) Panel
12:00 PM – 1:00 PM Lunch
Financial, Access to Capital and Bonding
Ennio Fuentes, President, Duration Capital Management Corporation

1:00 PM – 2:00 PM DBE Compliance and Construction Opportunities
2:00 PM – 4:00 PM Exhibit Hall/Prime and Subcontractor Networking

Breakout sessions on the following topics will be held from 10:00 AM to 12:00 PM.

Navigating TxDOT
DBE Certification Pre-Qualifications
Thank you to the following host partners:

**Regional Hispanic Contractors Association (RHCA)**
John Martinez
President
[John@regionalhca.org](mailto:John@regionalhca.org)

Ruben Landa
Vice Chairman
[Ruben.Landa@wsp.com](mailto:Ruben.Landa@wsp.com)

**Regional Black Contractors Association (RBCA)**
John Proctor
President
[JProctor@blackcontractors.org](mailto:JProctor@blackcontractors.org)

**El Paso Hispanic Chamber of Commerce**
Cindy Ramos-Davidson
President
[CindyRamosDavidson@ephcc.org](mailto:CindyRamosDavidson@ephcc.org)
Thank you to the following industry partners:

- AGC of Texas
- Alliance Geotechnical Group
- Austin Bridge & Road
- Equify
- Ferrovial Agroman US Corp
- Fluor Corporation
- Granite Construction
- Holmes Murphy
- HNTB
- Iconic Consulting Group
- Kiewit Infrastructure Group
- McCarthy Building Companies
- United Rentals
- Webber
- WSP USA, Inc.
- Zachry Construction Corporation
Agency Partners

Thank you to the following agency partners:

- City of El Paso
- SunMetro
- University of Texas at El Paso
Thank you to the following speakers and panelists:

**Texas Department of Transportation**
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Ken.Barnett@txdot.gov

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PEPS Service Center Manager  
Efrain.Esparza@txdot.gov
Presenters and Participants

Thank you to the following speakers and panelists:

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**JAR Construction**
Fred Stone
Operations Manager
FStone@jarconcrete.com
Tune-in for upcoming PAVED Events

Get access to PAVED Educational Materials

DISADVANTAGED BUSINESS ENTERPRISE (DBE) PROGRAM OVERVIEW

Civil Rights Division
Regulatory Authority

Code of Federal Regulations (CFR)

Title 49 - Transportation

Subtitle A – Office of the Secretary of Transportation

Part 26—Participation By Disadvantaged Business Enterprises in Department of Transportation Financial Assistance Programs

49 CFR Part 26
Disadvantaged Business Enterprise (DBE)

- A for profit small business certified through the Texas Unified Certification Program, that is at least 51% owned by one or more individuals who are both socially and economically disadvantaged; and

- Whose management and daily business operations are controlled by one or more of the socially and economically disadvantaged individuals who own it.
Texas Unified Certification Program (TUCP)

Six certifying entities:

- City of Austin
- City of Houston
- Corpus Christi Regional Transportation Authority (CCRTA)
- North Central Texas Regional Certification Authority (NCTRCA)
- South Central Texas Regional Certification Authority (SCTRCA)
- Texas Department of Transportation (TxDOT)
Goal Attainment & Utilization Plans (UP)

The prime contractor shall utilize the DBEs listed in the prime’s UP:

- Race-conscious DBE participation
- The DBE must be certified at the time of the commitment
- The DBE must be certified in the NAICS code applicable to the kind of work the firm would perform on the contract

Prime enters into a contractual arrangement with the DBEs listed in the UP specifying the work to be performed and the compensation for the work:

- Subcontract Agreement or Purchase Order (P.O.)
- The DBE must be certified at the time the subcontract or P.O. is executed
Subcontractors – 100% credit
- Must perform 30% of work with its own forces
- Any work subcontracted to a non-DBE will not count

Material Suppliers
- Manufacturers – 100% credit (alter or fabricate product)
- Regular Dealers – 60% credit
  - Selling from inventory
  - Own and operate distribution equipment

Packagers, Brokers, Manufacturer’s Representatives, Transaction Expediters
- Fees or Commissions only
- Fees or Transportation Charges for the Delivery
- Do not count the cost of the materials or supplies
DBE Trucking Firms – 100% credit

- May lease trucks from both DBEs and non-DBEs
- Limited credit allowed for the use of leased non-DBE trucks
- Manage and supervise the entire trucking operation
- Own and operate at least one (1) fully licensed, insured, and operational truck used on the contract
- Receives credit for using trucks it owns, insures, and operates using drivers it employs
- If the DBE leases trucks from a non-DBE truck leasing company and uses its own employees as drivers – 100% credit
A DBE performs a CUF when it is responsible for the execution of the work of the contract and is carrying out its responsibilities by actually:

- Performing
- Managing
- Supervising the work involved
To perform a CUF, the DBE must be responsible, with respect to materials and supplies used on the contract for:

- Negotiating price;
- Determining quality and quantity;
- Ordering the material;
- Installing (where applicable) and
- Paying for the material itself.

Only when a DBE meets all of the requirements should DBE credit be counted for the procurement of the items by the DBE.
- The DBE must be performing a CUF

- Credit is only counted if the prime has paid the DBE for the work performed

- No credit will be given for any materials, supplies, or equipment the DBE obtains from the prime or the prime’s affiliates

- If a CUF is not performed, goal credit will be denied
Any terminating or substituting of a DBE listed in the approved UP requires the following:

- Prior Departmental approval;

- Letter or notice of intent sent to the DBE;

- Documentation that the DBE was not willing or able to perform (e.g., Good Cause); and

- That the prime make a good faith effort to find another DBE to the extent needed to meet the goal.
Termination & Substitution

Good Cause:

- Failure or refusal to execute a written subcontract;
- Failure or refusal to perform the subcontract that is consistent with normal industry standards;
- The DBE firm goes out of business or exhibits credit unworthiness;
- The DBE voluntary withdraws;
- The DBE is ineligible to receive DBE credit for the type of work performed;
- Other

The prime must provide the DBE with written notice of its intent and allow the DBE 5 days to respond.
A Contractor who cannot meet the contract goal, in whole or in part, must make adequate GFEs to obtain DBE participation as stated and defined in 49 CFR Part 26, Appendix A.

A GFE evaluation begins with the amount of work made available.

Quality of Efforts – not necessarily the quantity
- Actively and aggressively trying to meet the goal

Form 2603 - Contractors Certification of Good Faith Efforts
Good Faith Efforts (GFE): Considerations

- Soliciting the participation of DBEs (*time considerations*)
- Providing interested DBEs with the plans, specifications, and contract requirements
- Assisting interested DBEs in obtaining:
  - bonding
  - lines of credit
  - insurance as required by the contract
  - necessary equipment
  - supplies
  - materials
  - related assistance or services
- Effectively using the services of available minority/women community organizations; minority/women contractors’ groups
References

- **DBE Forms**
  
  http://txdot.gov/business/partnerships/dbe-forms.html

- **TUCP Directory – Diversity Management System (DMS)**
  
  https://txdot.txdotcms.com/
Questions?
CONTRACTING WITH TXDOT 101

Instructions for New Contractors

Construction Division
# Table of Contents

1. Leading up to Contracting  
2. Contract Letting  
3. Bid Tabulations  
4. Contract Award  
5. Contract Execution  
6. Completing the Work  
7. Contact Information
LEADING UP TO CONTRACTING
Leading Up To Contracting

- Prequalification
- Proposal Request
- Bid Submittal
- Contract Letting
- Bid Tabulations
- Texas Transportation Commission Meeting
CONTRACT LETTING
Contract Letting

State Let Construction and Maintenance Contracts

Local Let Projects
BID TABULATIONS
Bid Tabulations

Bid Tabulations and Bid Totals

- Made available on the TxDOT website
- 2014 Standard Specifications for Construction and Maintenance of Highways, Streets, and Bridges (Spec Book)
  - Item 2, Section 11

http://www.dot.state.tx.us/business/bt.htm
Contract Award

Delay of Award

- C&M Agreement
- Notice of Financial Clearance
- DBE Approval

Award

- Award Letter
  - 15 day turnaround
  - Instruction Sheet
- Contract documents
  - Bound contract
  - Conformed contract
  - Surety copy
  - Memo of special requirements
    - Railroad
    - Right of Entry
    - Railroad Insurance
    - Warranty

Bond/Manufacturer’s Bond

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Texas Department of Transportation (TxDOT)
State Let Construction & Maintenance Contracts
Additional Instructions for CONTRACTORS and SURETY Company

CONTRACTS AND BONDS

- Contracts must NOT be disassembled for any reason.
- CONTRACTOR must execute and return contracts within 15 days of receiving award letter (ONE bound contract and ONE conformed contract) and BONDS in INK.
- CONTRACTOR must sign and date the Signature Page, Performance Bond and Payment Bond.
- The bond(s) in the contract must be executed (including their signature and date signed) by a corporate surety company authorized to write Fidelity and Surety Bonds for public works in the State of Texas, and for contracts greater than $150,000, each SURETY must be listed in the current issue of the Federal Register, Dept. of Treasury list and must show adequate bonding capacity for the size of the contract. SURETY must execute bonds in INK.
- SURETY may date bonds and Powers of Attorney; however, they cannot be dated past the due date of the CONTRACT.
- A Power of Attorney, showing that the SURETY’s officer or attorney in fact has the authority to sign the bonding obligations, must be impressed with the corporate seal and attached behind the payment bond in each contract. In addition, the SURETY should attach a Bond Claim notice.
- Corporate seal on the SURETY must be impressed on all bonds and also the Powers of Attorney. Water seals and stamp facsimile are not acceptable.

INSURANCE

- Please verify the required insurance information is on file and current with TxDOT and the contract requirements. New or updated information will need to be submitted by the insurance agent by completing the appropriate TxDOT Certificate of Insurance, Form 1560. The form can be accessed at the following link:
  http://www.dot.state.tx.us/media-library/documents/consultant-contractors/forms/contractors.html
- Completed forms can be submitted to CST_Insurance@txdot.gov

TEXAS ETHICS COMMISSION COMPLIANCE

- Effective January 1, 2015, CONTRACTORs are required to submit Texas Ethics Commission form 1295 for all projects. The form can be accessed at the following link:
  https://www.ethics.state.tx.us/whatsnew/ef_info_form1295.htm
- This form must be signed and notarized (to enable TxDOT to acknowledge it online) and returned, along with all other contract documents, in the mail. An electronic copy can be emailed to CST_Contracts@txdot.gov but if doing so, in the subject field please reference CONTRACTOR’s Business Name, applicable C&J and contract #.

MAIL

Return all contract documents prior to 5:00 PM on the due date shown on the award letter. If the contract due date is on a weekend or holiday, the contract is due the first business day following the weekend or holiday. A duplicate contract will be returned to the CONTRACTOR when fully executed by the State. If the Contractor fails to comply with all of the requirements in Article 3.A. “Execution of Contract,” the proposal guaranty will become the property of the State, not as a penalty, but as liquidated damages. The Contractor forfeiting the proposal guaranty will not be considered in future proposals for the same work unless there is a substantial change in design of the work.

Send contract documents to:
TEXAS DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DIVISION CONTRACT PROCESSING
200 EAST RIVERSIDE DR.
AUSTIN, TEXAS 78704-1137

ASSISTANCE

- For questions or assistance call Contract Processing @ 512-436-2540 or email CST_Contracts@txdot.gov
CONTRACT EXECUTION
Contract Execution

Requirements:

- Return within 15 days
- Authorized Contractor signature
- Executed Performance and Payment Bonds
  - Power of Attorney
  - Claims Page
- Special requirements
  - Railroad
  - Right of Entry
  - Railroad Insurance
  - Warranty Bond/Manufacturer’s Bond
- Ethics Commission 1295 Cert

Spec Book

- Item 3, Section 4

Requirements met:

- Bound contract to Contractor
- District notification
COMPLETING THE WORK
Completing the Work

Contract management

– District

• Preconstruction Meeting
• Project schedule
• List of Material suppliers
• Administration
• Completion of work

http://www.txdot.gov/inside-txdot/district.html
Completing the Work

As items are completed

- Inspected by TxDOT
- Paid monthly

Contractor Information System (CIS) Reports

- Monthly estimates
- Published on the website

Refer to the Spec Book for payment of items

PEPS DIVISION

JUNE 2017

TxDOT PAVED Transportation Summit
PEPS - Functional Organization

PEPS Division Director:
Martin Rodin, PE
512-416-2038

Executive Assistant
Kristina Kottke
512-416-2037

Deputy Director
Lucio Vasquez, PE
512-416-2039

Center of Excellence
Dan Neal, PE
512-416-2667

Austin SCM
Charles Davidson, PE
512-832-7315

Central SCM
Jaime Vela, PE
512-416-2007

SCM for Divisions
Kori Rodriguez, PE
512-416-2268

Dallas SCM
Joe Jancuska, PE
214-320-6187

Ft. Worth SCM
Norma Glasscock, PE
817-370-3675

Houston SCM
Gail Morea, PE
713-802-5795

El Paso SCM
Efrain Esparza, PE
915-790-4313

San Antonio SCM
Larry Wenger, PE
210-615-5971

Business Operations
Roy Gonzales
512-416-2034

FTE Allocation: 100
PEPS - Leadership Organization

Division Director – Martin L. Rodin
Deputy Division Director – Lucio Vasquez
Center of Excellence – Dan Neal
Business Operations Center – Roy Gonzales

Austin Service Center – Charles Davidson
Dallas Service Center – Joseph Jancuska
Fort Worth Service Center – Norma Glasscock
Houston Service Center – Gail Morea
San Antonio Service Center – Larry Wenger
El Paso Service Center – Efrain Esparza
Central Service Center – Jaime Vela Jr.
Service Center for Divisions – Kori Rodriguez
Division Director’s vision

Information Rich Environment

- **Disqualifications**
  - ZERO disqualifications
  - Improve contract screening
  - Automate processes
  - Earlier DQ notification
  - Future electronic submittals

- **Q&R Enhancement**
  - Selection Team Boot Camps
  - Intensive Q&R preparation
  - Improved Q&R templates
  - More PM/Team questions

- **Information Sharing**
  - Post annual plan online
  - Post CST member names
  - Post pre-RFQ meeting dates
  - Improve WA execution
  - Track spending and capacity
  - Improve debrief process
  - Improve negotiations
  - Require evaluations
Prop 7 significantly increases TxDOT letting volume

- $4.3 Billion Average Letting (FY 2012 – 2016)
- $6.5 Billion Average Letting (FY 2017 – 2025)
Annual Consultant Procurements – FY 13 to FY 20

NOTE: FY 18 to FY 20 are projections only.
### Future Annual Procurements

<table>
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<tr>
<th>Service</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Architecture</td>
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<tr>
<td>Bridge Inspection</td>
<td>$52,000,000</td>
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<tr>
<td>Bridge On/Off Replacement</td>
<td>$9,000,000</td>
</tr>
<tr>
<td>Construction, Engineering, Inspection (CEI)</td>
<td>$300,000,000</td>
</tr>
<tr>
<td>Critical Path Method Scheduling (CPM)</td>
<td>$6,000,000</td>
</tr>
<tr>
<td>Engineering</td>
<td>$1,000,000</td>
</tr>
<tr>
<td>General Engineering Consultant (GEC)</td>
<td>$40,000,000</td>
</tr>
<tr>
<td>Geotechnical</td>
<td>$19,000,000</td>
</tr>
<tr>
<td>Hydraulic</td>
<td>$18,000,000</td>
</tr>
<tr>
<td>Other (describe in Comments)</td>
<td>$16,000,000</td>
</tr>
<tr>
<td>Planning</td>
<td>$17,000,000</td>
</tr>
<tr>
<td>Plans, Specifications and Estimates (PS&amp;E)</td>
<td>$400,000,000</td>
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<tr>
<td>Procurement Engineering (PcE)</td>
<td>$20,000,000</td>
</tr>
<tr>
<td>Schematic</td>
<td>$25,000,000</td>
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<tr>
<td>Schematic / Environmental</td>
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<tr>
<td>Schematic/Environmental/PS&amp;E</td>
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<tr>
<td>Survey</td>
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<tr>
<td>Traffic Engineering</td>
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<tr>
<td>Traffic Signal Timing</td>
<td>$5,000,000</td>
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<tr>
<td>Utility Engineering</td>
<td>$12,000,000</td>
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<tr>
<td>Materials Engineering</td>
<td>$12,000,000</td>
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<tr>
<td>Facilities Engineering</td>
<td>$6,500,000</td>
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<tr>
<td>Independent Engineer (IE)</td>
<td>$20,000,000</td>
</tr>
<tr>
<td>Traffic &amp; Revenue (T&amp;R)</td>
<td>$5,000,000</td>
</tr>
<tr>
<td><strong>Grand Total</strong></td>
<td><strong>$1,310,500,000</strong></td>
</tr>
</tbody>
</table>

Three categories make up over 70% of the annual procurement:
- CEI
- PS&E
- Schematic/ENV
How do I get started?

Getting Started

- Be registered as a business with the State of Texas
  [http://comptroller.texas.gov](http://comptroller.texas.gov)

- Be registered as engineering firm with the Texas PE Board
  [http://engineers.texas.gov](http://engineers.texas.gov)

- Obtain precertification with TxDOT

- Become administratively qualified with TxDOT

- Check the TxDOT webpage for listing of projected contracts and pre-RFQ meetings

- Submit your qualifications
Procurement Tips

- Check that all mandatory forms are in your package
- Keep alert to amendments
- Ask questions when you have the opportunity
- Showcase your PM and task leaders
- Focus on providing challenges, solutions and lessons learned
- Present innovative ideas or alternatives
- Be clear, concise and technical
- Use space wisely, it is not for marketing
- QA/QC the SOQ by referring directly to the RFQ Cover Page
- Use your best examples to give credit to firms that did the work
Future Project Mix:

• 50% Indefinite Deliverable (ID) / 50% Specific Deliverable (SD)
• Future CEI can be SD by Project or ID by District
• Future GEC will be Specific Deliverable by project
• Minimize preclusion between Design and Construction
• Improve CST participation
• Allow electronic SOQ submittals
• Consultant PM required to be precertified
• Annual and end of project evaluations required
### Wave 4 Details

- **Wave 4 internal kickoff on July 6 and July 11**
- **Total number of twenty one procurement events scheduled consisting of ninety one individual contracts**

<table>
<thead>
<tr>
<th>Service</th>
<th>Count</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEI</td>
<td>1</td>
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</tr>
<tr>
<td>CPM</td>
<td>1</td>
<td>$6,000,000</td>
</tr>
<tr>
<td>Engineering</td>
<td>1</td>
<td>$1,500,000</td>
</tr>
<tr>
<td>GEC</td>
<td>2</td>
<td>$28,000,000</td>
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<tr>
<td>Materials Engineering</td>
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<td>$4,000,000</td>
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<tr>
<td>Planning</td>
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<td>$4,000,000</td>
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<tr>
<td>PS&amp;E</td>
<td>5</td>
<td>$204,500,000</td>
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<tr>
<td>Procurement Engineering</td>
<td>1</td>
<td>$20,000,000</td>
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<td>Schematic/Environmental/PS&amp;E</td>
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<td>$58,000,000</td>
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<tr>
<td>Schematic/Environmental</td>
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<td>$50,000,000</td>
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<tr>
<td>Surveying</td>
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<tr>
<td>Traffic Engineering</td>
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<td>$20,000,000</td>
</tr>
<tr>
<td>Utility Engineering</td>
<td>1</td>
<td>$12,000,000</td>
</tr>
</tbody>
</table>

**Total:** 21 events, $435,000,000
Disqualifications

Improvements

- Automation of AQ verification
- Automation of precertification check
- Convert Non Listed Category (NLC) to precertified categories
- Earlier DQ notification
- Advance preclusion notification
- Earlier debrief opportunities
- Replacement of PM and TL during solicitation
Updated PTC Form:

- Populate information on PTC at push of a button
- Using Firm Sequence Numbers and Employee Precert numbers
- Verifying Administrative Qualifications and Precert status before submittal
Points of Contact

Project Related Information
- District Engineers
- District Director of Transportation Planning and Development (TP&D)
- District Design Engineers
- Division Directors
- Directors of Construction

Procurement Related Information
- PEPS Service Center Managers (SCMs)
- Pre-RFQ meetings and workshops
- PEPS Center of Excellence
- PEPS Business Operations Center
- PEPS Procurement Engineers
The very first ever of its kind...

PEPS Division Conference
November 3, 2017
Omni Hotel- Southpark
4140 Governor’s Row
Austin, Texas
PRESIDIO INTERNATIONAL BRIDGE PROJECT
Presidio International Bridge Project Overview

- New Two Lane Twin Bridge Structure for Southbound Traffic into Mexico
- Project Limits: Puerto Rico St. to International Demarcation Line
- Project Scope
  - Widen existing roadway
  - Construct twin bridge structure
- Project Goals
  - Add capacity to international crossing
Presidio International Bridge Project Overview
Presidio International Bridge Project Overview
Existing Typical Section

US 67 EXISTING TYPICAL SECTION
STA 335+66.12 TO STA 344+06.22

US 67 EXISTING TYPICAL SECTION
STA 344+06.22 TO STA 353+90.77
Presidio International Bridge Project Overview

Proposed Typical Section
Presidio International Bridge Project Overview

- Letting: August 2017
- Begin Construction: Fall 2017
- Anticipated Construction Timeline: 13 months
- Completion: Fall 2018
- Authorized Funds: $10 million
Presidio International Bridge Project Overview

- **Estimated Quantities**
  - **Roadway Items:**
    - Prep ROW: 35 STA
    - Excavation: 735 CY
    - Curb & Gutter: 2121 FT
    - Driveways: 48 SY
    - Sidewalks: 1630 SY
    - Seal Coat (2 course)
  - **Bridge Items:**
    - 7 Spans (U.S. builds 6 Spans & Mexico builds 1 Span)
    - Drill Shafts: 1340 FT
    - Abutments: 29 CY
    - Caps: 140 CY
    - Columns: 112 CY
    - Reinforced Concrete Slab: 24,000 SF
Presidio International Bridge Project Overview

- Other items included in the project:
  - **Traffic Control**
    - Detours, CTB, & Work Zone Pavement Markings
  - **Removal Items:**
    - Curb, Curb & Gutter, Riprap, Driveways, CTB, Flumes, & Base Mat.,
  - **Retaining Wall**
    - Mechanically Stabilized Earth Retaining Wall
  - **Drainage**
    - Reinforced Concrete Pipe & Inlets
  - **Illumination**
    - Drill Shafts, Riprap, High Mast Illumination
  - **Pavement Marking**
    - Pavement Markings, Delineators & Object Markers
  - **Erosion Control**
Questions??
US 54 WIDENING AND OPERATIONAL IMPROVEMENTS PROJECT
US 54 Widening and Operational Improvements Location Map

Approximately 2.99 Miles

Project Start

US 54 (Patriot Freeway)

Project End

Diana Dr.

Diana Dr.

Loop 375

(Transmountain Road)

Dyer Street

Dyer Street

Honda Pass Dr.

Honda Pass Dr.
US 54 Widening and Operational Improvements Project Overview

- Widening of US 54 and Ramp Reversals and Turn Arounnds
- Project Limits: from Hondo Pass Dr to SL 375
- Project Scope
  - Widen existing mainlanes to 6 lanes
  - Ramp Reversals, Intersection Improvements, and Operational Improvements
- Project Goals
  - Managed congestion along US 54 by adding capacity
Existing Typical Section
Proposed Typical Section
US 54 Widening and Operational Improvements Project Overview

- August 2017 letting – Begin Construction Fall 2017
- Anticipated construction timeline of 18 months, completion Spring 2019
- Current Construction Estimate = $30 million
- Estimated Quantities
  - 100,000 CY of excavation
  - 65,000 CY of embankment
  - 26,000 TONS of HMAC
  - 114,000 SY of concrete paving
  - 19,550 SF of retaining walls
  - 2,000 FT of drainage pipe
  - 12,000 FT of concrete barrier
Other items included in the project:

- Removal of Concrete Items:
  - Curb, Cable barrier, Flume, Paving, Riprap, Sidewalks, Driveways

- Removal of Structure Items:
  - Inlets, Headwalls, Pipe, Manholes, Drainage Flume

- Guardrail End Treatment: Install and remove

- Crash Cushion Attenuator: Install, move, reset and remove

- Lighting, Signals, Striping, ITS, Full Span OSBs, Small and Large Signs
Questions??
MESA PARK INTERCHANGE AT I-10
Mesa Park Interchange Project Overview
Mesa Park Interchange Project Overview

- Mesa Park Interchange
- Project Limits: from Mesa Park to Executive Center Blvd (1.6 mile length)
- Project Scope
  - Construct a four lane bridge over I-10 at future Mesa Park Drive
  - Convert existing diamond interchange at Executive Center to a Split Diamond interchange using Mesa Park Drive.
  - Construct westbound and eastbound frontage roads
- Project Goals
  - Relieve anticipated congestion at the existing diamond interchange
  - Enhance mobility and traffic operations along Executive Center Boulevard and thus connectivity
  - Improve access to the forecasted mixed-use development through Mesa Park Drive.
Mesa Park Interchange Project Overview

Proposed Mesa Park Typical Section

Proposed Frontage Road Typical Section
Mesa Park Interchange Overview

- Design-Bid-Build
- July 2017 letting – Begin Construction Fall 2017
- Anticipated construction timeline of 1.5 years, completion Summer 2019
- Current Construction Estimate = $29 million
Mesa Park Interchange Project Overview

- Estimated Quantities
  - 70,000 CY of excavation
  - 103,000 CY of embankment
  - 13,000 TONS of HMAC
  - 21,000 SY of concrete paving
  - 247,000 SF of bridge deck
  - 25,000 FT of prestressed concrete girder (Tx54)
  - 35,000 SF of retaining walls
  - 360 FT of drainage pipe
  - 4 EA of drainage inlets, manholes, junction boxes
  - 14,000 FT of concrete barrier
Mesa Park Interchange Project Overview

- Other items included in the project:
  - Removal of Concrete Items:
    - Curb, CTB, Retaining Walls, Flume, Pavement, Drains, Riprap, and Medians,
  - Removal of Structure Items:
    - Inlets, Headwalls, Pipe, Junction Box, Drill shaft, Drainage Flume
  - Guardrail End Treatment: Install and remove
  - Crash Cushion Attenuator: Install, move, reset and remove
  - Lighting, Signals, Small and Large Signs
Questions??