











#### Dallas and Fort Worth Heavy Highway Forum

RHCA . . . the leader in Diversity Inclusion Networking and building business relationships and opportunities

December 3, 2021









**Julio Florez RHCA VP of Programs** 









John H. Martinez-D. RHCA President & CEO











Bianca Sandoval, MCA
Sr. Manager – Diversity Affairs
Austin Commercial
RHCA Chair











Thresa "Terry" Meza
Texas State Representative
District 105







### RHCA A/E/C Committee



Louis Frisbie, P.E. CFM, MBA
Founder & Chief Executive Officer
Metropolitan Infrastructure, PLLC
A/E/C Roundtable Committee Co-Chair







### **TxDOT Welcome & Update**



Duane Milligan, P.E. **Director of Construction Division** Texas Department of Transportation (TxDOT)











# INFRASTRUCTURE INVESTMENT AND JOBS ACT (IIJA)

Duane Milligan, P.E.

**Director, Construction Division** 



#### Major IIJA Components (all dollar figures are five-year totals)

- \$351 billion for highway programs.
  - Of which \$307 billion is in formula funding to states.
- Creates a new \$27.5 billion formula-based program for bridges.
  - Eligible uses include highway bridge replacement, rehabilitation, preservation, protection, or construction projects on public roads.
  - This is in addition to the competitive bridge grant opportunities.
- Includes \$91 billion for public transit (49% increase over the FAST Act).
  - Funds are for local buses, subways, commuter rail, light rail, paratransit, and ferries.
- A new National Electric Vehicle Formula Program receives \$7.5 billion.
  - Requires the Department of Transportation and the Department of Energy to jointly develop guidance for states and localities to strategically deploy EV charging infrastructure.

#### **Anticipated Highway Apportionments to Texas**





#### **FEDERAL GRANTS**



#### **Renewed Grant Programs**

| USDOT Office                       | Program  | Totals over<br>5 years             |
|------------------------------------|--|------------------------------------|
| Office of the Secretary            | RAISE Grants<br>previously through<br>appropriations                         | \$7.5 billion 70% increase         |
| Federal Highway<br>Administration  | INFRA Grants   | \$8 billion<br><b>78% increase</b> |
| Federal Highway<br>Administration  | Advanced Transportation Technology and Innovative Mobility (formerly ATCMTD) | \$300 million<br>no increase       |
| Federal Railroad<br>Administration | CRISI Grants   | \$5 billion <b>426% increase</b>   |
| Federal Transit<br>Administration  | Low-No<br>Emission Bus<br>Grants   | \$5.6 billion 1,273% increase      |

#### **Select New Grant Programs**

| USDOT Office                       | Program                                  | Totals over<br>5 years |
|------------------------------------|--|------------------------|
| Office of the Secretary            | Megaprojects                             | \$5 billion            |
| Office of the Secretary            | SMART                                    | \$500 million          |
| Office of the Secretary            | PROTECT                                  | \$1.4 billion          |
| Federal Highway<br>Administration  | Bridge<br>Program                        | \$12.5 billion         |
| Federal Highway<br>Administration  | Reconnecting Communities                 | \$1 billion            |
| Federal Highway<br>Administration  | EV/AltFuel<br>Charging<br>Infrastructure | \$2.5 billion          |
| Federal Railroad<br>Administration | Railroad<br>Crossing<br>Elimination      | \$3 billion            |

#### **KEY USDOT REQUIRED IMPLEMENTATION ITEMS WE ARE MONITORING**



- Codifying One Federal Decision.
  - USDOT is required to develop a schedule to complete an environmental impact statement and requires accountability to the public when milestones are missed.
- Highway Cost Allocation Study.
  - USDOT must conduct a new highway cost allocation study which is due in four years.
- Cybersecurity Tool
  - Requires the Federal Highway Administration to develop a tool to assist transportation authorities in identifying, detecting, protecting against, responding to, and recovering from cyber incidents.
- Study of Impacts on Roads from Self-Driving Vehicles
  - Directs USDOT to conduct a study on the impacts of self-driving vehicles on transportation infrastructure, mobility, the environment, and safety.

### **TxDOT Welcome & Update**



Martin Rodin, P.E. **Director of Professional Engineering Procurement Services** Texas Department of Transportation (TxDOT)











### PEPS Division

Funding forecast and other important stuff you need to know

Martin Rodin, P.E.

**PEPS Division Director** 

**DEC 2021** 



#### Mission, Goals and Values



#### **Mission**

Work with our TxDOT customers and external partners to procure the most qualified consultants to deliver effective solutions for Texas

#### Goals

Deliver the right projects
Focus on the Customer
Foster Stewardship
Optimize System Performance Preserve
our Assets
Promote Safety
Value our Employees

#### **Values**

People, Accountability, Trust, Honesty

Procuring the most qualified consultants to deliver effective transportation solutions for Texans



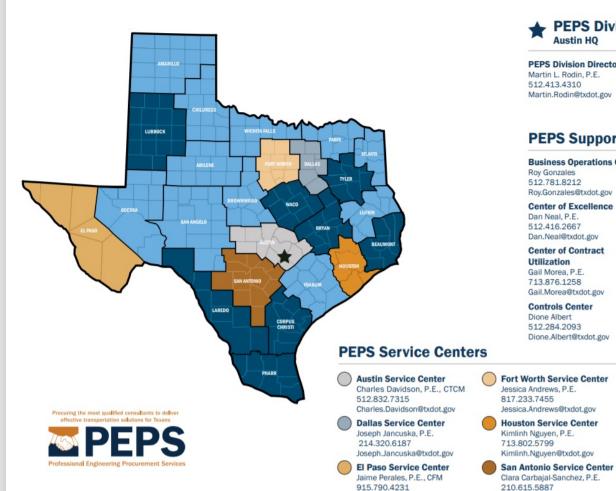
Professional Engineering Procurement Services represents the consolidated procurement organization supporting engineering, architectural and surveying contracts

#### **Overview of PEPS - Organization Structure**





Jaime.Perales@txdot.gov



#### **PEPS Division Austin HQ**

**PEPS Division Director** Martin L. Rodin, P.E. 512.413.4310

**Deputy Division Director** Lucio Vasquez, P.E. 512.925.9578 Lucio.Vasquez@txdot.gov

#### **PEPS Support Services**

#### **Business Operations Center**

512.781.8212 Roy.Gonzales@txdot.gov

#### **Center of Excellence**

512.416.2667 Dan.Neal@txdot.gov

#### **Center of Contract**

Gail Morea, P.E. 713.876.1258 Gail.Morea@txdot.gov

#### **Controls Center**

Clara.CarbajalSanchez@txdot.gov

Dione Albert 512.284.2093 Dione.Albert@txdot.gov

#### **DRIVE Program**

Caleb Bryant, P.E., PMP 281.224.8484 Caleb.Bryant@txdot.gov

#### **Invoice Center**

Tira Dobrozensky, CTCM 512.317.8511 Tira.Dobrozensky@txdot.gov

#### **Negotiations Center**

Norma Glasscock, P.E. 817.370.3675 Norma.Glasscock@txdot.gov

#### **Support Services Center**

Kathy De Luna, CTCM, CTCD 210.615.5901 Kathy.DeLuna@txdot.gov

#### **Service Center for Divisions**

Kori Rodriguez, P.E. 210.284.5048 Kori.Rodriguez@txdot.gov

#### **Urban Districts Service Center**

Jaime A. Vela, P.E. 512.416.2007 or 956.712.7730 Jaime.A.Vela@txdot.gov

#### **Rural Districts Service Center**

Lynn Daniel, P.E. 806.402.5121 Lynn.Daniel@txdot.gov

#### **PEPS - Then and Now**

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|-------|
|       |
|       |
|       |

| THEN - FY 2015             |          |
|----------------------------|----------|
| No. of PEPS Employees      | 69 FTE   |
| TxDOT Annual Letting       | \$3.4 B  |
| Procurement Amount         | \$0.6 B  |
| No. of Contracts           | 130 EA   |
| No. of Work Authorizations | 600 EA   |
| No. of Late WA             | 139 EA   |
| No. of Invoices            | 4,000 EA |
| % of Invoices Paid On Time | 86%      |

| FUTURE - FY 2023           |            |
|----------------------------|------------|
| No. of PEPS Employees      | 136 FTE    |
| TxDOT Annual Letting       | \$6.5 B+   |
| Procurement Amount         | \$1.1 B +  |
| No. of Contracts           | 200 EA +   |
| No. of Work Authorizations | 1,000 EA + |
| Number of Late WA          | 11 EA      |
| No. of Invoices            | 13,000 EA  |
| % of Invoices Paid On Time | 99%        |

#### **FY 2022 – Work Authorization Spending Plan**

| DE/DD           | FY2022 Proposed Allocation |
|-----------------|----------------------------|
| PAR 1           | \$28,500,000               |
| FTW 2           | \$104,600,000              |
| WFS 3           | \$20,300,000               |
| AMA 4           | \$10,000,000               |
| LBB 5           | \$7,100,000                |
| ODA 6           | \$40,000,000               |
| SJT 7           | \$13,000,000               |
| ABL 8           | \$14,000,000               |
| WAC 9           | \$22,000,000               |
| TYL 10          | \$19,000,000               |
| LFK 11          | \$21,300,000               |
| HOU 12          | \$154,700,000              |
| YKM 13          | \$38,200,000               |
| AUS 14          | \$80,300,000               |
| SAT 15          | \$128,100,000              |
| CRP 16          | \$35,700,000               |
| BRY 17          | \$55,200,000               |
| DAL 18          | \$87,000,000               |
| ATL 19          | \$3,900,000                |
| BMT 20          | \$18,300,000               |
| PHR 21          | \$29,500,000               |
| LRD 22          | \$26,200,000               |
| BWD 23          | \$7,300,000                |
| ELP 24          | \$42,200,000               |
| CHS 25          | \$1,000,000                |
| TOTAL DISTRICTS | \$1,007,400,000            |

| DE/DD             | FY2022 Proposed Allocation |
|-------------------|----------------------------|
| SSD 38            | \$3,725,000                |
| MNT 47            | \$6,125,000                |
| DES 48            | \$12,435,000               |
| MTD 49            | \$9,400,000                |
| TPP 50            | \$34,575,000               |
| PTT 51            | \$1,100,000                |
| ENV 57            | \$14,700,000               |
| TRF 58            | \$3,300,000                |
| GOV 76            | \$300,000                  |
| TPD 82            | \$6,900,000                |
| RRD 83            | <b>\$</b> 0                |
| TOD 87            | \$2,390,000                |
| BRG 88            | \$58,000,000               |
| PFD 89            | \$38,200,000               |
| MRD 94            | \$1,450,000                |
| TOTAL DIVISIONS   | \$192,600,000              |
| TOTAL DISTRICTS & |                            |
| DIVISIONS         | \$1,200,000,000            |

#### FY 2022 - Procurement Plan

| Disciplines                                       | Sum of Procurement Amounts |  |  |
|---|----------------------------|--|--|
| Construction, Engineering, Inspection (CEI)       | \$231,545,000              |  |  |
| Engineering                                       | \$27,000,000               |  |  |
| Engineering Other                                 | \$4,000,000                |  |  |
| GEC/PMC   | \$12,000,000               |  |  |
| Materials Engineering                             | \$16,400,000               |  |  |
| Planning  | \$6,000,000                |  |  |
| Plans, Specifications and Estimates (PS&E)        | \$115,000,000              |  |  |
| Schematic / Environmental                         | \$9,000,000                |  |  |
| Schematic / Environmental / PS&E                  | \$50,000,000               |  |  |
| Surveying   | \$34,000,000               |  |  |
| Traffic Engineering                               | \$14,000,000               |  |  |
| Owner Verification, Testing and Inspection (OVTI) | \$8,000,000                |  |  |
| Program Management Consultant (PMC)               | \$20,000,000               |  |  |
| Grand Total                                       | \$546,945,000              |  |  |

#### FY 2023 - Procurement Plan

| Disciplines  | Sum of Procurement Amounts |  |  |
|--|----------------------------|--|--|
| Bridge Inspection                                      | \$156,000,000              |  |  |
| Bridge On/Off Replacement                              | \$40,750,000               |  |  |
| Construction, Engineering, Inspection (CEI)            | \$236,800,000              |  |  |
| CPM Scheduling Support                                 | \$20,000,000               |  |  |
| Geotechnical   | \$24,000,000               |  |  |
| Hydraulics & Hydrology                                 | \$25,000,000               |  |  |
| Materials Engineering                                  | \$20,000,000               |  |  |
| Pavement Design  | \$2,000,000                |  |  |
| Plans, Specifications and Estimates (PS&E)             | \$215,000,000              |  |  |
| Schematic / Environmental                              | \$47,000,000               |  |  |
| Schematic / Environmental / PS&E                       | \$102,000,000              |  |  |
| Surveying  | \$44,000,000               |  |  |
| Traffic Engineering                                    | \$47,000,000               |  |  |
| Utility Engineering                                    | \$27,000,000               |  |  |
| Value Engineering                                      | \$12,000,000               |  |  |
| Engineering – Other                                    | \$8,300,000                |  |  |
| Architecture   | \$3,000,000                |  |  |
| Procurement Engineering                                | \$40,000,000               |  |  |
| Comprehensive Engineering Consultant (CEC) \$3,120,000 |                            |  |  |
| Program Management Consultant (PMC)                    | \$10,000,000               |  |  |
| Independent Engineer \$30,000,000                      |                            |  |  |
| Grand Total  | \$1,112,970,000            |  |  |

#### **Fort Worth and Dallas Procurements**



| _ |    |    | _                      | _ | -   |
|---|----|----|------------------------|---|-----|
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|   |    | _  | u                      | _ | 4   |

| Wave   | Discipline              | District | Description   | # of Contracts | Est. Max. contract value |
|--------|-------------------------|----------|---|----------------|--------------------------|
| Wave 4 | Schematic/Environmental | FTW      | Schematic/Environmental Services for the FTW District: IH 30 from IH35W to Cooper St. (Federal) | 1              | TBD                      |

#### FY 2022

| Wave   | Discipline                                  | District        | Description                                 | # of Contracts | Est Max Contract Value |
|--------|---|-----------------|---|----------------|------------------------|
| Wave 3 | Construction, Engineering, Inspection (CEI) | Dallas District | CEI Services for FM 548 in Rockwall County. | 1              | TBD                    |
| Wave 3 | Construction, Engineering, Inspection (CEI) | Dallas District | CEI services for US 80 in Dallas County.    | 1              | TBD                    |
| Wave 4 | Surveying                                   | Dallas District | Surveying services for the Dallas District. | 17             | \$3,000,000            |

#### **Fort Worth and Dallas Procurements**



#### FY2023

| Wave   | Discipline                             | District              | Description   | # of<br>Contracts | Est. Max. contract value |
|--------|--|-----------------------|---|-------------------|--------------------------|
| Wave 1 | Independent Engineer                   | FTW, DAL,<br>AUS/SAT  | Independent Engineering Services to meet the requirements set forth in Comprehensive Development Agreements (CDA), Facility Agreements (FA), and Facility Concessions Agreements (FCA) for the FTW, Dallas, Austin and San Antonio Districts  (Federal) | 3                 | \$10M                    |
| Wave 2 | Construction Engineering<br>Inspection | FTW                   | CEI Services for the FTW District (Federal)   | 3                 | \$10M                    |
| Wave 4 | Bridge on/off replacement              | ELP, DAL, FTW         | Bridge On/off Services for the El Paso, Dallas, and Fort Worth Districts (Federal)  | 10                | \$3M                     |
| Wave 4 | Traffic Engineering                    | ELP, AUS, FTW,<br>SAT | Traffic Eng & ITS Services for the El Paso, Austin, Fort Worth, and San Antonio Districts, and statewide capacity.  (State)   | 14                | \$2M                     |
| Wave 4 | Schematic/Environmental                | FTW                   | Schematic/Environmental Services for the FTW District:<br>IH 20 from west of Spur 312 to FM 1187<br>(Federal)   | 1                 | TBD                      |

#### **Fort Worth and Dallas Procurements**



#### FY 2023

| Wave   | Discipline                                  | District                             | Description  | # of Contracts | Est Max Contract Value |
|--------|---|--------------------------------------|--|----------------|------------------------|
| Wave 1 | Geotechnical                                | Dallas District                      | Geotechnical engineering services for the Dallas District  | 5              | \$4,000,000            |
| Wave 1 | Materials Engineering                       | Dallas District                      | Materials engineering for the Dallas District.   | 5              | \$3,000,000            |
| Wave 1 | Schematic / Environmental                   | Dallas District                      | Schematic/Environmental services for the Dallas District   | 5              | \$5,000,000            |
| Wave 2 | Construction, Engineering, Inspection (CEI) | Dallas District                      | CEI services for the Dallas District: US 35E from N<br>Texas Blvd to IH 35W, to US 380, to US 77 in Denton<br>County | 1              | TBD                    |
| Wave 2 | Utility Engineering                         | Dallas, Waco, and<br>Bryan Districts | Utility Engineering projects in the Dallas, Waco, and Bryan Districts  | 8              | \$3,000,000            |
| Wave 3 | Plans, Specifications and Estimates (PS&E)  | Dallas District                      | PS&E services for the Dallas District  | 7              | \$7,000,000            |
| Wave4  | CPM Scheduling Support                      | Dallas and Houston<br>Districts      | CPM Scheduling and support services for the Dallas and Houston Districts   | 7              | \$2,000,000            |

#### **Resources: PEPS Website – a treasure trove**

#### How to Get Started with TxDOT

- Becoming Precertified
- Becoming Administratively Qualified

#### Fireside Chat Topics

- Ethics in Engineering procurement
- Prime Provider Evaluations Status report
- How to Avoid Disqualifications in a proposal
- Electronic Submittal Platform Implementation
- Annual Rate Negotiations Implementation
- PEPS Covid-19 Response Lessons Learned
- Administrative Qualifications Status report

#### **Projected Contract Solicitations**

• FY2022 and FY2023

#### Previous PEPS Conference Presentations

Plethora of Additional information for Managing Active Contracts





### Martin Rodin, P.E.

**PEPS Division Director** 



Martin.Rodin@txdot.gov



512-416-2038







### NTTA Welcome and Agency Update



Elizabeth Mow, P.E. Assistant Executive Director of Infrastructure North Texas Tollway Authority (NTTA)











### Regional Hispanic Contractors Association Heavy Highway Forum



### North Texas Tollway Authority

#### Our Mission

❖ Provide a safe and reliable toll road system ❖ Increase value and mobility options for customers ❖ Operate the Authority in a businesslike manner ❖ Protect our bondholders ❖ Partner to meet our region's growing need for transportation infrastructure





### Your Tolling Authority

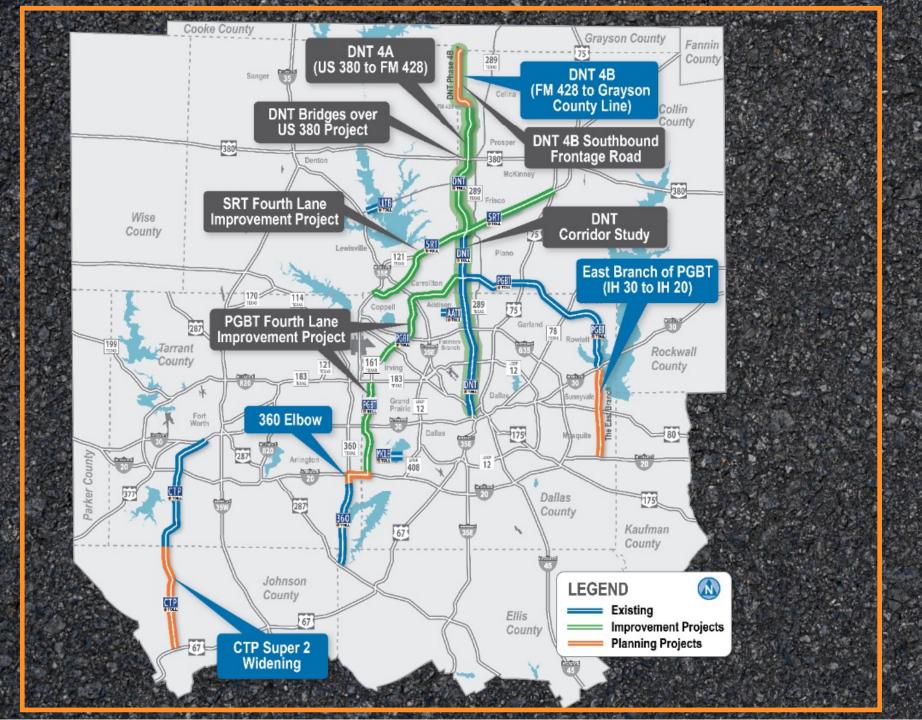
- Political subdivision of Texas
- Only build what the region asks us to build
- Customer driven
- Not funded by taxes

### Advancing Critical Infrastructure Projects









### 1.4B

www.ntta.org



### **DNT 4th Lane** (SRT to U.S. 380)

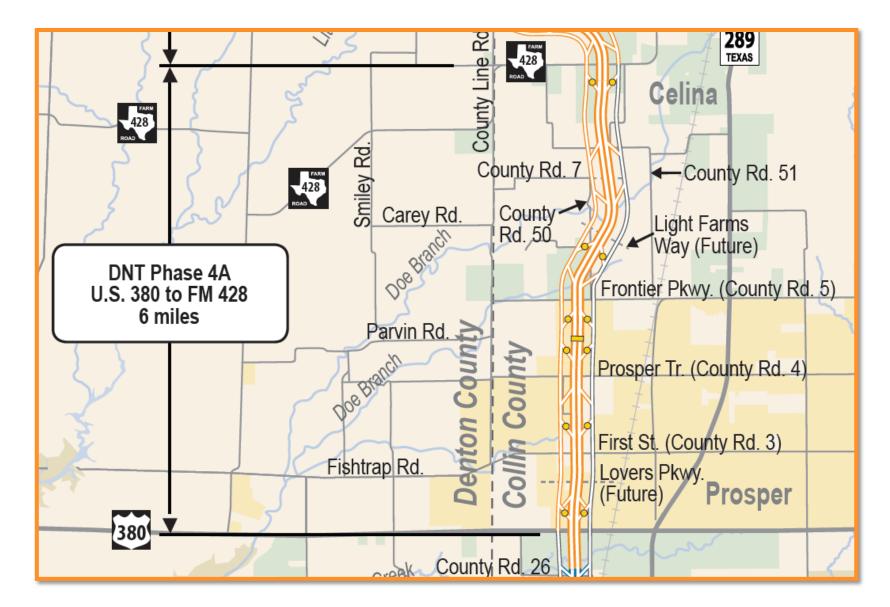
**Design: underway** 

CM & Mat. Testing: procurement underway

**Construction: February 2022** 









#### **DNT 4A Extension**

(U.S. 380 to FM 428)

Planning: complete
Design: procurement

underway

**Construction: late 2023** 



## Routine Maintenance Projects

Striping
Erosion Control
Sign Replacements
Pavement Repair
Bridge Deck Repair

Issued throughout the year











#### **NTTA Annual Spend:**

\$250-\$300M

#### **Procurement**

- Register on nttamarketplace.org (required)
- Review current and future opportunities
- Receive notifications of targeted procurements
- Come talk to us BEFORE procurement starts
- Attend pre-submission conference
- Submit response to solicitations
- Request debriefs

#### **Connections**

- Outreach events
- Capacity-building programs
- Come talk to us BEFORE procurement starts



# North Texas Tollway Authority

## Our Mission

❖ Provide a safe and reliable toll road system ❖ Increase value and mobility options for customers ❖ Operate the Authority in a businesslike manner ❖ Protect our bondholders ❖ Partner to meet our region's growing need for transportation infrastructure

# TxDOT Dallas District Update & Opportunities



Mohamed "Mo" Bur, P.E. **Dallas District Engineer** Texas Department of Transportation (TxDOT)











# TxDOT Dallas District: An Update

Mo Bur, P.E.
District Engineer





# Organizational Structure: New Roles

### **TxDOT Dallas District**





Mo Bur, P.E.

District Engineer Dallas District



Ceason Clemens, P.E.

Deputy District Engineer Dallas District



John Hudspeth, P.E.

Director Transportation Planning & Development



**Tim Powers** 

Director **Business Services** 



Brenan Honey, P.E.

Director Construction



Jeff Bush, P.E.

Director Operations



Area Offices



- Design Utilities Roadway
- Project Delivery Design
- Adv. Transportation Planning



Bridge

- Warehouse
- Library - Facilities Architect
- Administrative Services



- Contract Administration
- Materials/Laboratory
- Alternative Delivery



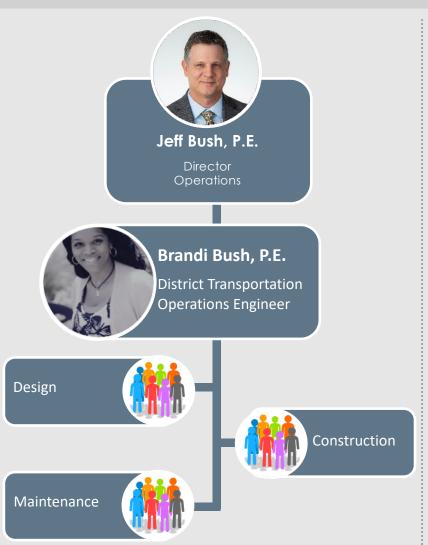
- Maintenance Manager
- Contracted Maintenance
- Transportation Operations

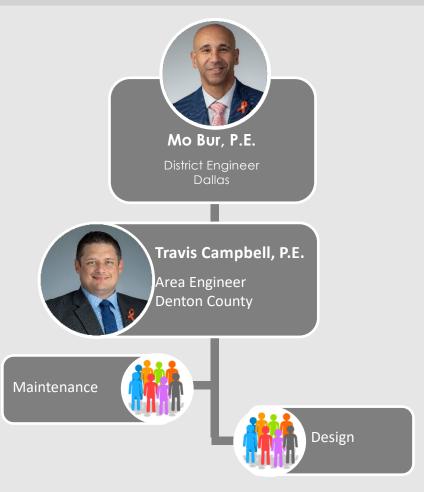


- Denton County
- Dallas County
- Ellis & Navarro Counties
- Kaufman & Rockwall Counties

## **Organizational Structure: New Roles**











# **Work Amidst a Pandemic**

## **Accomplishments - Lettings April 2020 thru August 2021**





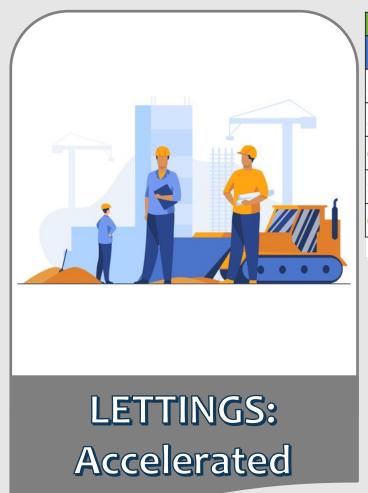
LETTINGS: Scheduled

|      |           | Construction Lettings |  |  |  |
|------|-----------|-----------------------|--|--|--|
|      | Month     | No. of<br>Projects    | Total Monthly<br>Letting Bid<br>Amount |  |  |
|      | April     | 4                     | \$10,115,836                           |  |  |
|      | May       | 6                     | \$369,851,960                          |  |  |
|      | June      | 4                     | \$32,476,827                           |  |  |
|      | July      | 3                     | \$12,849,038                           |  |  |
| 2020 | August    | 1                     | \$3,364,193                            |  |  |
|      | September | 5                     | \$55,788,787                           |  |  |
|      | October   | 8                     | \$129,238,523                          |  |  |
|      | November  | 3                     | \$25,380,777                           |  |  |
|      | December  | 3                     | \$10,518,583                           |  |  |
|      | TOTALS    | 37                    | \$649,584,525                          |  |  |

|     |          | Construction Lettings |  |  |  |
|-----|----------|-----------------------|--|--|--|
|     | Month    | No. of<br>Projects    | Total Monthly<br>Letting Bid<br>Amount |  |  |
|     | January  | 1                     | \$2,125,612                            |  |  |
|     | February | 6                     | \$28,710,410                           |  |  |
|     | March    | 3                     | \$169,943,705                          |  |  |
| 707 | April    | 1                     | \$2,040,000                            |  |  |
| Ì   | May      | 6                     | \$16,617,198                           |  |  |
|     | June     | 6                     | \$46,718,346                           |  |  |
|     | July     | 7                     | \$111,494,516                          |  |  |
|     | August   | 4                     | \$148,272,426                          |  |  |
|     | TOTALS   | 30                    | \$525,922,213                          |  |  |

## **Accomplishments – Accelerations into FY 2021**





| Accelerations into FY 2021 |         |         |                                      |  |                      |                         |                |
|----------------------------|---------|---------|--------------------------------------|--|----------------------|-------------------------|----------------|
| CCSJ                       | Highway | County  | Limits                               | Description  | Original<br>Let Date | Accelerated<br>Let Date | Low Bid Amount |
| 2964-10-008                | SL9     | Dallas  | From IH 35E to IH 45                 | Construct 0 to 2 lane frontage roads (ultimate 6) including turn lanes             | 09/2022              | 07/2021                 | \$77,975,540   |
| 2845-01-022                | FM 455  | Collin  | From SH5 to SH 121                   | Rehabilitate existing pavement and add shoulders                                   | 05/2022              | 06/2021                 | \$4,616,813    |
| 0751-03-041                | FM 148  | Kaufman | From FM 3094 South to FM 2613        | Reconstruct existing pavement and add shoulders                                    | 01/2024              | 07/2021                 | \$2,707,441    |
| 2374-02-156                | IH 635  | Dallas  | From IH 30 to IH 20                  | Planing, concrete full depth repair, overlay, and pavement markings                | 12/2024              | 07/2021                 | \$11,519,822   |
| 0581-02-151                | SL 12   | Dallas  | From South Irving C/L to Union Bower | Planing, concrete full depth repair, overlay, pavement markings, and bridge repair | 09/2021              | 07/2021                 | \$4,659,681    |
|                            |         |         |                                      |  |                      |                         | \$101,479,297  |

\*NOTE: All of these accelerations were designed in-house by TxDOT staff

## **Positive Changes Stemming from the Pandemic**

### > Telework

 Policy change allowing for telework 2 days per week

### > Technology

- Implementation of Microsoft Teams
- Virtual conferences & gatherings

**CHANGES** 















## And the Award Goes to...

TxDOT Dallas District Wins Several Awards for Excellence

## **Dewitt C. Greer Award**





## John Hudspeth

Dallas District
TP&D Director





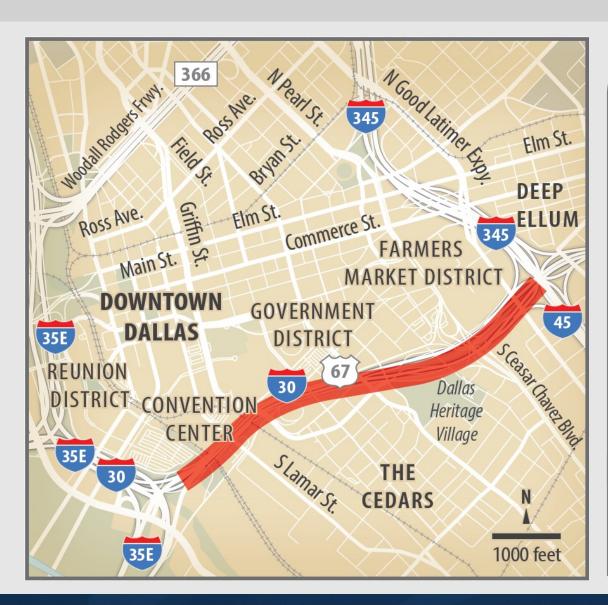


## **AASHTO President's Transportation Award for Planning**





I-30
Canyon
Project
Team
Dallas District



- Ceason Clemens
- John Hudspeth
- Travis Campbell
- Ashton Strong
- Dan Perge
- Sandra Williams
- Amanda Miller
- Nathan Petter
- Melissa Meyer
- Tony Hartzel

## **Project Team**

## ...and many more!





Texas Asphalt
Pavement
Association
Specialty Mix
Overlay Award

FM 1378 Project Collin County



TxDOT Journey
Toward
Excellence Silver
Award

ABC Project Dallas County



2021 Dallas County Agency Partner of the Year

Maher Ghanayem FM 1382 North Haven Bridge Northaven



TxDOT Environmental Achievement Silver Award

Bolivar
Archeological
Excavation on FM
455
Denton County

Images courtesy of www.freepik.com



# **Future Opportunities**

## **Looking Forward: Major Projects Left to Let in FY 2022**



| CSJs                       | Highway         | Limits  | Project Description   | Estimated<br>Construction Cost |
|----------------------------|-----------------|---|---|--------------------------------|
| 0048-04-094                | IH 35E          | At FM 387 (Butcher Road)                          | RECONSTRUCT INTERCHANGE, RECONSTRUCT AND WIDEN 4 TO 4/6 LANE FRONTAGE ROAD                  | \$43,554,880                   |
| 2374-03-096                | IH 20           | At IH 35E   | BRIDGE DECK REPAIR  | \$5,198,326                    |
| 0095-04-069<br>0095-04-073 | US 80           | At SH 205/FM 148<br>US 80 EB at Bachelor Creek    | CONSTRUCT INTERSECTION IMPROVEMENTS REPLACE BRIDGE & APPROACHES                             | \$10,932,091                   |
| 0196-07-034                | SS 366          | West of Akard St. to Saint Paul St.               | CONSTRUCT EXTENSION OF EXISTING KLYDE WARREN PARK DECK PLAZA; STRUCTURE ONLY                | \$42,280,874                   |
| 0047-06-161                | US 75           | At Ridgeview Drive                                | RECONSTRUCT RIDGEVIEW INTERCHANGE   | \$34,750,696                   |
| 0195-02-076<br>0816-02-072 | IH 35<br>FM 455 | At FM 455<br>West of FM 2450 to East of Marion Rd | RECONSTRUCT & WIDEN ML; RECONSTRUCT EXIST FR RECONSTRUCT & WIDEN RURAL HWY TO DIVIDED URBAN | \$72,406,445                   |
| 0451-03-013                | SH 205          | N of John King (Rockwall C/L) to SH 78            | WIDEN 2 LANE RURAL HWY TO 4 LANE DIVIDED (ULT SIX)  | \$35,183,754                   |
| 2056-01-042                | FM 2551         | From FM 2514 to FM 2170                           | RECONSTRUCT & WIDEN RURAL HWY TO URBAN DIVIDED  | \$45,290,012                   |
| 2679-03-015<br>2679-03-016 | FM 2514         | E of Lavon Pkwy to Brown St.                      | WIDEN FACILITY FROM 2 LANE TO 4 LANE URBAN DIVIDED (ULTIMATE 6 LANE DIVIDED)                | \$35,468,158                   |
| 0196-02-132                | IH 35E          | Frankford Rd. to Corporate Dr.                    | CONSTRUCT OPERATIONAL IMPROVEMENTS ON NB ML   | \$7,110,576                    |
|                            |                 |   | TOTAL   | \$332,175,812                  |

## **Looking Forward: PS&E Opportunities in the Next 3 Years**



### **COLLIN COUNTY**

| CSJs        | Highway | Limits                                  | Project Description  | Estimated<br>Construction Cost |
|-------------|---------|---|--|--------------------------------|
| 0047-04-029 | SH 5    | South of SH 121 to South of Melissa Rd. | RECONSTRUCT AND WIDEN 2/4 LANE UNDIVIDED ROADWAY TO 4 LANE DIVIDED URBAN ROADWAY (Ultimate 6)  | \$1,899,466                    |
| 0047-04-030 | SH 5    | South of CR 275 to South of SH 121      | RECONSTRUCT AND WIDEN AND REALIGN 2 LANE UNDIVIDED ROADWAY TO 4 LANE DIVIDED ROADWAY (ULTIMATE 6) and realign SH 121/SH 5 Intersection | \$15,130,778                   |
| 0047-09-034 | SH 5    | South of FM 1378 to SS 399              | RECONSTRUCT AND WIDEN 2 LANE UNDIVIDED ROADWAY TO 4 LANE DIVIDED URBAN ROADWAY (ULTIMATE 6 LANES)                                      | \$15,002,115                   |
| 0047-09-037 | SH 5    | Stacy Road to South of FM<br>1378       | RECONSTRUCT AND WIDEN EXISTING 2 LANE UNDIVIDED TO 4 LANE DIVIDED ROADWAY AND INTERSECTION IMPROVEMENT                                 | \$23,644,420                   |
| 0549-03-031 | SH 121  | At SH 5                                 | Reconstruct Interchange  | \$17,080,482                   |
| 1012-02-030 | FM 545  | FM 2933 to BS-78D                       | REALIGN EXISTING ROADWAY TO IMPROVE HORIZONTAL AND VERTICAL ALIGNMENT AND ADD SHOULDERS  | \$23,859,947                   |
|             |         |   | TOTAL  | \$96,617,208                   |

## **Looking Forward: PS&E Opportunities in the Next 3 Years**



### DALLAS, KAUFMAN, ELLIS, NAVARRO COUNTIES

| CSJs                       | Highway | Limits                             | Project Description   | Estimated<br>Construction Cost |
|----------------------------|---------|------------------------------------|---|--------------------------------|
| 0009-11-129                | IH 30   | IH 635 to Bass Pro Drive           | RECONSTRUCT 8 TO 8 GP LANES AND RECONSTRUCT 4/6 LANE DISCOUNTINUOUS TO 4/6 LANE CONTINUOUS FRONTAGE ROADS | \$74,296,073                   |
| 0095-13-038<br>0095-14-027 | IH 20   | Lawson Rd to SP 557                | ADD 0 TO 4 LANE CONTINUOUS FRONTAGE ROADS   | \$446,030,000                  |
| 2964-10-006                | SL 9    | US 67 to IH 35E                    | CONSTRUCT 0 TO 2 (ULTIMATE 6) LANE FRONTAGE ROADS   | \$97,593,991                   |
| 0048-08-056                | IH 35E  | At Graniery Road                   | Construct Ramps   | \$10,000,000                   |
| 1051-01-038                | FM 664  | US 287 in Waxahachie to FM<br>1387 | RECONSTRUCT AND WIDEN 2 LANE RURAL TO 4 LANE DIVIDED URBAN ROADWAY (ULTIMATE 6)                           | \$46,462,001                   |
| 1092-01-021                | FM 741  | US 175 to FM 548                   | Widen and reconstruct from a 2 lane rural undivided to 4 lane urban divided (Ultimate 6)                  | \$69,085,505                   |
| 0122-01-045                | US 287  | IH 45 to SE CR 2010                | Widen and Reconstruct 2 Lane Rural to 4 Lane Urban  | \$50,446,377                   |
|                            |         |                                    | TOTAL   | \$793,913,947                  |

## **Looking Forward: PS&E Opportunities in the Next 3 Years**



### **DENTON COUNTY**

| CSJs                       | Highway | Limits                                | Project Description   | Estimated<br>Construction Cost |
|----------------------------|---------|---------------------------------------|---|--------------------------------|
| 0081-06-040                | US 377  | US 380 to North of BUS 377E           | RECONSTRUCT AND WIDEN 2 LANE UNDIVIDED ROADWAY TO 4 LANE DIVIDED FACILITY (ULTIMATE SIX LANE) | \$208,535,150                  |
| 0081-13-050                | IH 35W  | SH 114 to IH 35/IH 35E<br>Interchange | WIDEN AND RECONSTRUCT 4 LANE RURAL TO 6 LANE URBAN FREEWAY                                    | \$351,590,445                  |
| 0081-13-058                | IH 35W  | Tarrant County Line to SH<br>114      | RECONSTRUCT AND WIDEN 4 LANE RURAL TO 6 LANE URBAN FREEWAY                                    | \$115,947,320                  |
| 1059-01-047<br>1059-02-002 | FM 1173 | FM 156 to IH 35                       | WIDEN AND RECONSTRUCT FROM 2 LANE RURAL TO 4/6 LANE URBAN DIVIDED ROADWAY                     | \$42,970,998                   |
| 1311-01-055                | FM 1171 | West of FM 156 to IH 35W              | CONSTRUCT 0 TO 6 LANE DIVIDED ROADWAY   | \$71,236,909                   |
|                            |         |                                       | TOTAL   | \$790,280,822                  |



Mo Bur, P.E.
District Engineer
TxDOT, Dallas District
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(214) 320-6110

Please feel free to contact me for more information.

## Thank You.



# TxDOT Fort Worth District Update & Opportunities



Greg Cedillo, P.E.

Fort Worth District Director of Construction
Texas Department of Transportation (TxDOT)







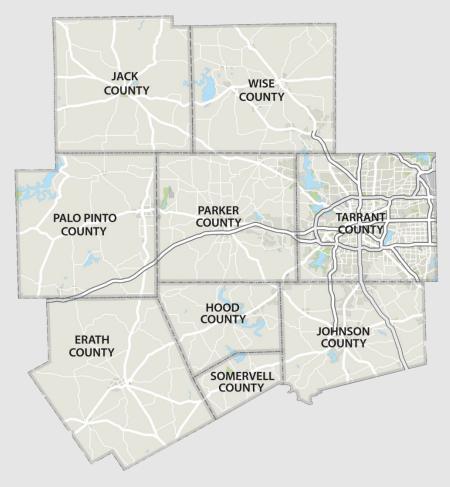


# Highlights

Carl Johnson, P.E.

**Fort Worth District Engineer** 

### **Fort Worth District**



- Plans, designs, builds, operates and maintains the state transportation system in nine counties: Erath, Hood, Jack, Johnson, Palo Pinto, Parker, Somervell, Tarrant and Wise
- Encompasses 6,949 square miles
- Lane miles of state system roadways:
   9,025
- Serves approximately 2.6 million people
- Approximately 2.3 million registered vehicles
- Six area offices and ten maintenance offices

### **District Statistics**

Est. Annual Construction Letting: \$400 million

Total Contracts: \$2.6 billion

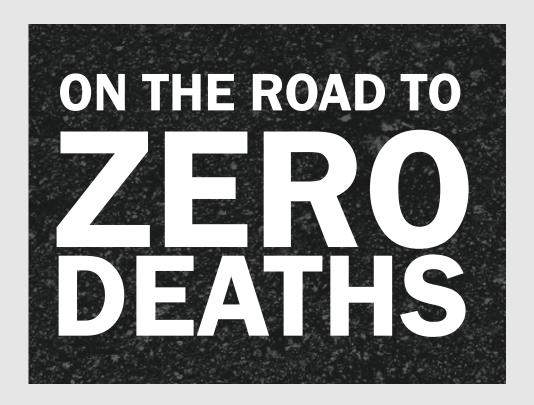
Avg. Annual Maintenance Budget: \$164 million

Since Nov. 7, 2000, Texas has had at least one death on its roadways every single day.

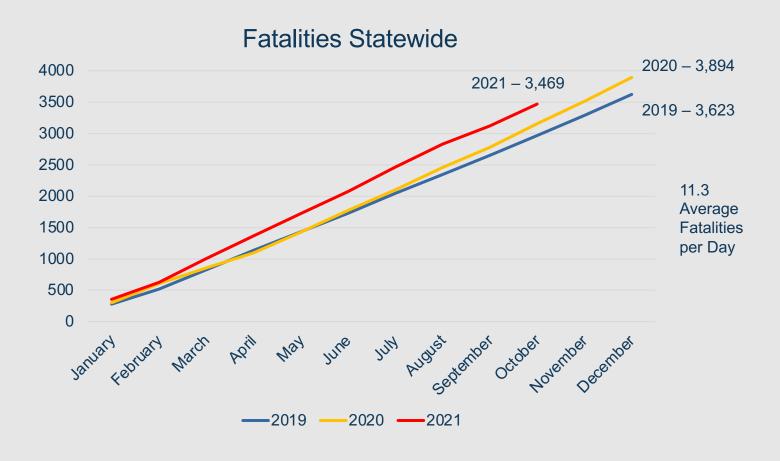
# #EndTheStreakTX

### On the Road to Zero

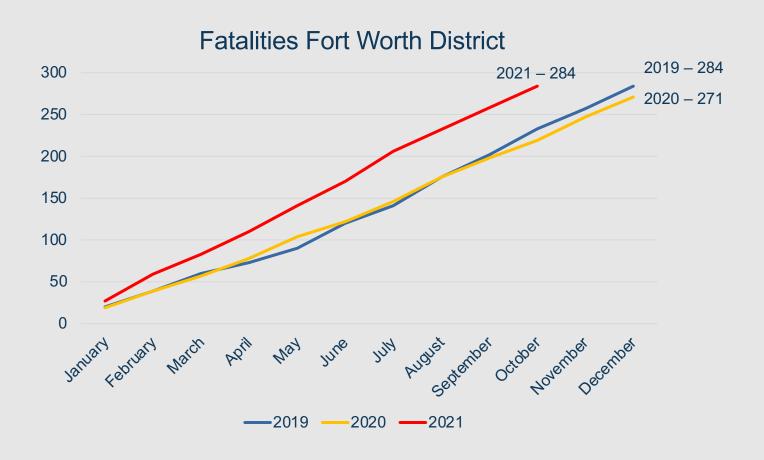
- The Texas Transportation
   Commission (TTC) directed
   TxDOT to work toward the
   goal of reducing the number
   of deaths on Texas roadways
   by half by the year 2035 and
   to zero by the year 2050
- A majority of motor vehicle crashes can be prevented, thereby reducing fatalities
- TTC allocated \$600 million for statewide safety projects for 2020-21



### **Safety Moment**



### **Safety Moment**



# 

## **Deaths in 2020 in the Fort Worth District**

No seat belts

DUI

Distracted driving related

Speed related

69 Run off the road

Occurred in rural areas

Occurred in work zones

26 Head-on collisions

Motorcyclists

Pedestrians

# 271

## **Deaths in 2020 in the Fort Worth District**

- **42**No seat belts
- 60 DUI
- **24** Distracted driving related
- 25 Speed related
  - 69 Run off the road

- **64** Occurred in rural areas
- **9** Occurred in work zones
- 26 Head-on collisions
- **38** Motorcyclists
- **48** Pedestrians

### **TxDOT Project Development Process**

Identify a Need

Assess Need

Advanced Schematic, Environmental Assessment

Design, Right of Way, Utilities

Construction

Needs are identified through a variety of sources at the local, state, or federal level. This step represents the first opportunity for public input into a potential new project. TxDOT also monitors highway system performance to support need identification.

TxDOT conducts analyses related safety, congestion, and other needs. An initial project concept and preliminary funding strategy are developed.

1 week - 1 year

For large, complex, and new location projects, TxDOT conducts planning studies to explore project design alternatives prior to performing more detailed, expensive analysis. Public involvement is essential.

1 - 2 years

Many types of projects require preliminary design and examination of environmental and community impacts. For many projects, this stage involves a high level of public engagement.

1 - 5 years

At this stage, the project is fairly well defined and details of project construction are being addressed, including acquiring right of way, moving utilities, and other construction preparation.

1 - 3 years

In order to move forward to construction, a project must be fully designed and have all funding identified. Public information about construction activities is critical to ensure public safety and address construction-related traffic.

1 - 6 years

#### PROJECT DEVELOPMENT

The project development phase may range from a few months for simple projects to several years for more complex projects. During this stage, the funding strategy may be refined as needed.

# KNOWN DATA Statewide Priorities and System Needs

### Safety

- Fatal/Incap. Crash Rate
- · Fatal/Incap. Crash Count
- Overall Crash Rate

### Congestion

- Current Volume/Capacity
- Future Volume/Capacity

### Connectivity

- National Highway System
- Texas Trunk System
- Texas Freight Network

### Preservation

- Pavement Condition Score
- Bridge Sufficiency Score

### **Economy**

- Population Density
- Employment Density
- Daily Truck Volume
- Freight Volume

# PREDICTIVE DATA Projected Project Performance

### Safety

- · Reduction in crash count
- Reduction in crash rate
- Societal cost savings

### Preservation

- Lane mile improved
- (Pavement Condition)
- Bridge deck area improved
- (Bridge Condition)

### Congestion

Benefit congestion (delay hours)

### Economic Develop.

- Average Daily Traffic
- Average Daily Truck Traffic

#### Environmental

 Environmental Mitigation Cost

### Connectivity

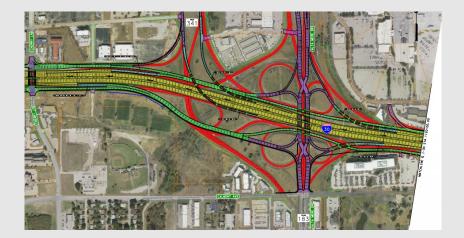
Lanes miles of new roadway

### **Design Schematic and Environmental Assessment**

### Design Schematic shows:

- Horizontal Alignment
   Pedestrian
- Vertical Alignment
- # of lanes
- Width of lanes
- Width of shoulders
- Ramps
- Frontage Roads
- Turn Lanes
- Auxiliary Lanes
- Turnarounds
- Crossroads
- Bicycle

- Markings
- Medians
- Existing ROW
- Proposed ROW
- Control of Access
- Existing Bridges
- Proposed Bridges
- Roadside barriers
- Retaining Walls
- Noise Walls





### **Design Schematic and Environmental Assessment**

#### **Environmental Assessment:**

- National Environmental Policy Act
- More than 60 other statutory and regulatory environmental requirements



TEXAS HISTORICAL







- Vegetation
- Endangered Species Communities
- Flood Plains
- Air Quality



- Cultural Resources
- Hazardous Materials
- Traffic Noise











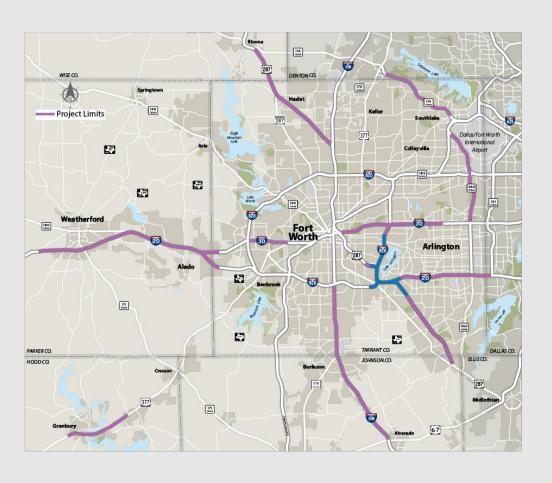






## **Congestion Relief Projects – Future, Unfunded**





#### **Southeast Connector**

 Reconstruct the I-20, I-820 and US 287 interchanges and add auxiliary lanes and mainlanes (16 miles)

• Estimated design-build costs: \$1.6 B

DB contract execution: Fall 2021

Estimated completion: 2027

Estimated deferments: \$710 M









#### **Southeast Connector**

#### **Schematic**

Completed: August 2020

#### **Environmental**

Public hearing and environmental clearance: Fall 2020

#### Survey

- Survey contract executed
- Completed: June 2021
- Preparing title work for all project parcels

#### **Right of Way**

- TxDOT is acquiring all right of way for the project
- Right-of-way and appraisal firms are under contract

#### I-20, From Park Springs to SH 161

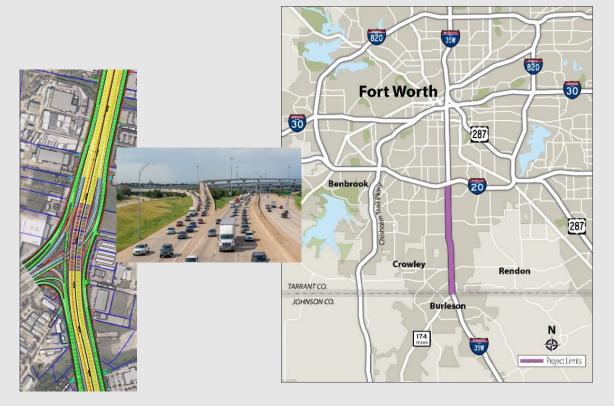
- Under schematic and environmental assessment
- Add capacity
- Operational Improvements
- Center Street access
- Est. cost: \$570 M





#### I-35W, From I-20 to SH 174

- Under schematic and environmental assessment
- Reconstruct and add capacity
- Est. cost: \$724 M





#### I-20, From SS 312 to FM 1187

- Assessing Need
- Reconstruct and add capacity
- Est. cost: \$986 M





#### I-30, From I-820 to Forest Hill Parkway

- Under schematic and environmental assessment
- Reconstruct and add capacity
- Est. cost: \$1,000 M





#### I-30, From US 287 to Cooper Street

- Assessing Need
- Reconstruct and add capacity
- Est. cost: \$1,120 M





#### **SH 180 / East Lancaster**

- Assessing Need, public involvement to include I-30
- Unique for innovation opportunities
- Change lane configuration yes, no?
- Partnership with NCTCOG, Fort Worth, Trinity Metro
- Est. Cost \$150M
- Schematic/ENV not started





#### SH 114, From SH 170 to SH 26

- ENV cleared
- Add capacity
- Est. cost: \$65 M







#### **SH 360, From SH 121 to I-30**

- Under schematic and environmental assessment
- Add capacity
- Operational Improvements
- Est. cost: \$360 M





#### **Overview of Funding**

| Funding Category  | Formula | Project Selection  |
|---|---------|--|
| 1 - Preventive Maintenance and Rehabilitation           | ✓       | Projects selected by Districts   |
| 2 - Metropolitan and Urban Area Corridor Projects       | ✓       | Projects selected by MPOs in consultation with TxDOT and approved by Commission        |
| 3 - Non-Traditionally Funded Transportation Projects    |         | Determined by legislation, Commission action, or local governments                     |
| 4 - Statewide Connectivity Corridor Projects (Urban)    | ✓       | Corridors selected by Commission. Projects selected by Districts within MPO boundaries |
| 4 - Statewide Connectivity Corridor Projects (Regional) |         | Corridors selected by Commission. Projects selected by TPP Division outside MPOs       |
| 5 - Congestion Mitigation and Air Quality Improvement   | ✓       | Projects selected by MPOs in consultation with TxDOT                                   |
| 6 - Bridge Program                                      |         | Projects selected by the Bridge Division. Includes Railroad Grade Separation Program   |
| 7 - Metropolitan Mobility/Rehabilitation                | ✓       | Projects selected by MPOs in consultation with TxDOT                                   |
| 8 - Safety  |         | Projects selected by Traffic Operations Division. Includes Federal Highway Safety      |
| · ·   |         | Improvement Program, Federal Railway-Highway Crossing Program, Safety Bond             |
| 9 - Transportation Alternatives (>200K)                 | ✓       | Projects selected by MPOs  |
| 9 - Transportation Alternatives (< 200K)                |         | Project list recommended by PTN Division and selected by Commission                    |
| 10 - Congressional Priority                             |         | Earmarks designated by Congress (no new designations)                                  |
|   |         | Texas Parks and Wildlife Department (TPWD) selects projects for State Park Roads.      |
|   |         | Rail projects selected by Rail Division in coordination with Districts.                |
| 10 - Supplemental Transportation Projects               |         | Landscape Incentive Awards, Green Ribbon and Curb Ramp projects are selected by Design |
|   |         | Division in coordination with Districts.   |
|   |         | Coordinated Border Infrastructure projects selected by districts, approved by FHWA.    |
| 11 - District Discretionary and Energy Sector           | ✓       | Projects selected by Districts   |
| 12 - Strategic Priority                                 |         | Projects selected by Commission  |

**Allocation Category** 

**Project Specific** 

#### **10-year Funding Allocation for Planning**

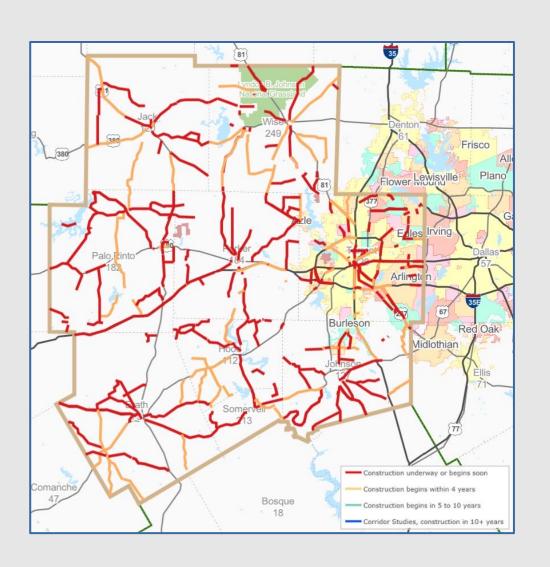
| Funding Category  | 10-yr Funding<br>Allocation (2022<br>UTP) |
|---|---|
| 1 - Preventive Maintenance and Rehabilitation           | 871                                       |
| 2 - Metropolitan and Urban Area Corridor Projects       | 938                                       |
| 3 - Non-Traditionally Funded Transportation Projects    | 10  |
| 4 - Statewide Connectivity Corridor Projects (Urban)    | 432                                       |
| 4 - Statewide Connectivity Corridor Projects (Regional) |   |
| 5 - Congestion Mitigation and Air Quality Improvement   | 329                                       |
| 6 - Bridge Program                                      |   |
| 7 - Metropolitan Mobility/Rehabilitation                | 536                                       |
| 8 - Safety  |   |
| 9 - Transportation Alternatives (>200K)                 | 32  |
| 9 - Transportation Alternatives (< 200K)                |   |
| 10 - Congressional Priority                             |   |
| 10 - Supplemental Transportation Projects               |   |
| 11 - District Discretionary and Energy Sector           | 117                                       |
| 12 - Strategic Priority                                 |   |
| Total   | 3,265                                     |

| Project                       | Est. Constr. Cost |
|-------------------------------|-------------------|
| Southeast Connector           | 710               |
| I-20, Park Springs to SH 161  | 570               |
| I-35W, I-20 to SH 174         | 724               |
| I-20, Parker County           | 986               |
| I-30, I-820 to Forest Park    | 1,000             |
| I-30, US 287 to Cooper Street | 1,120             |
| SH 114, SH 170 to SH 26       | 65                |
| SH 360, SH 121 to I-30        | 360               |
| Total                         | 5,535             |

#### **Fort Worth District Projects For Next 4 Years**

#### 2021-2024

- 200 projects
- Est. total cost: \$2.6B
  - Category 1: \$305M
  - Category 2: \$785M
  - Category 3: \$134M
  - Category 4: \$499M
  - Category 5: \$48M
  - Category 6: \$54M
  - Category 7: \$170M
  - Category 8 & 9: \$73M
  - Category 10 & 11: \$53M
  - Category 12: \$536M



Do your very best.

Do the right thing.

Expect excellence.

- Marc Williams,

TxDOT Executive Director





## THANK YOU



**Fort Worth District** 

### Policy & Forecast



**Rebekah Gongora Communications Manager** North Central Texas Council of Governments (NCTCOG)







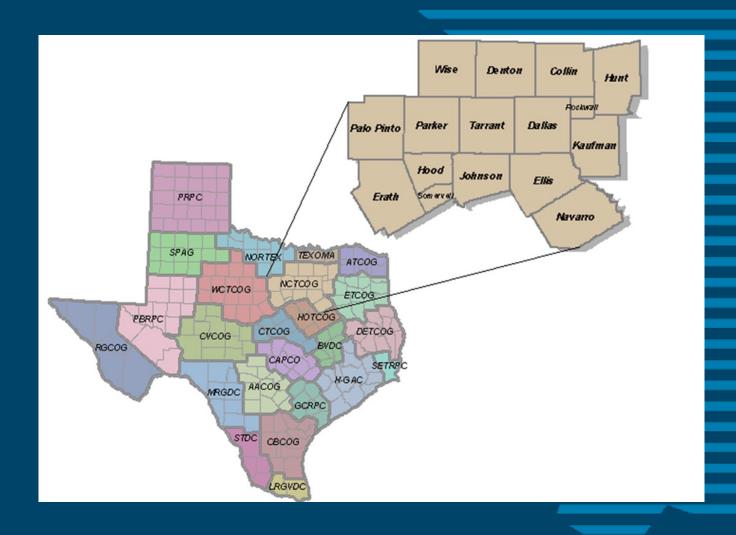


# WHAT IS THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS?

NCTCOG is a Voluntary Association of Local Governments

**16-County Region** 

Planning for Mutual Needs of the Region



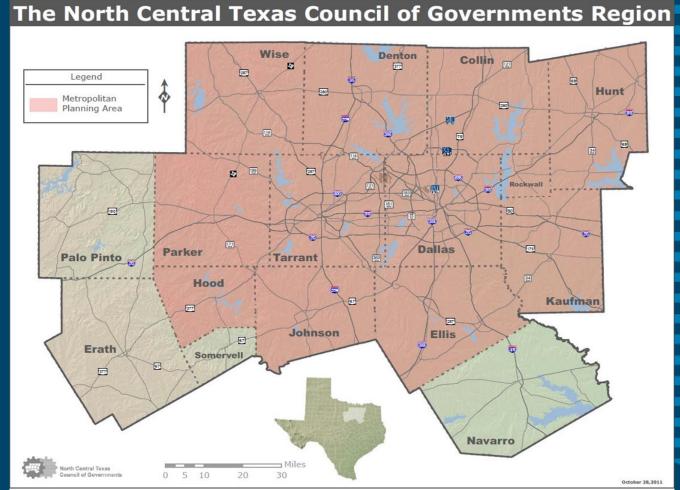


# WHAT IS THE METROPOLITAN PLANNING ORGANIZATION (MPO)?

Federal Requirement

12-County Metropolitan Planning Area

Governed by the Regional Transportation Council (RTC)





- \$1.2 Trillion Total
- \$567.5 Billion 5-year Surface Transportation Reauthorization included in a Larger Infrastructure Bill
  - Increases Funding, Expands and Creates New Programs
  - Baseline Funding = \$293.5B, New IIJA Spending = \$274B
  - New Elements: Equity, Climate, Resiliency, EVs, Housing
- \$550 Billion in Other Infrastructure Spending
  - Water, Broadband, Cybersecurity, Energy



| CORE APPORTIONED PROGRAMS                         | IIJA 5-YEAR FUNDING | % INCREASE OVER<br>FAST ACT |
|---|---------------------|-----------------------------|
| National Highway<br>Performance Program<br>(NHPP) | \$148B              | 27%                         |
| Surface Transportation<br>Block Grant (STBG)      | \$72B               | 24%                         |
| Highway Safety<br>Improvement Program<br>(HSIP)   | \$15.6B             | 34%                         |
| (New) Carbon Reduction                            | \$6.4B              | n/a                         |
| (New) PROTECT Program                             | \$7.3B              | n/a                         |



| OTHER APPORTIONED PROGRAMS               | IIJA 5-YEAR FUNDING | % INCREASE OVER<br>FAST ACT |  |
|--|---------------------|-----------------------------|--|
| Congestion Mitigation Air Quality (CMAQ) | \$13.2B             | 10%                         |  |
| National Freight<br>Program              | \$7.2B              | 13%                         |  |
| STBG Set-Aside<br>(Trans. Alternatives)  | \$7.2B              | 71%                         |  |
| Metropolitan Planning<br>(Highway)       | \$2.3B              | 32%                         |  |
| Metropolitan Planning<br>(Transit)       | \$0.8B              | 42%                         |  |



#### **New Formula Programs**

#### **PROTECT**

 Resiliency Against Climate Change, \$7.3B, \$1.4B in Grants

#### **Carbon Reduction Program**

 Projects to Reduce Transportation Emissions, \$6.4B

Bridge Program, \$40B

Electric Vehicle Charging, \$7.5B

#### **Expands Existing Programs**

#### **National Highway Performance**

New Resiliency Eligibility

#### STBG

 Adds Wildlife Crossings, Electric Charging, Cybersecurity, Ferryboat Facilities

#### CMAQ

 Adds Micromobility, Diesel Engine Replacement, Medium or Heavy Duty Zero Emission Vehicles, Prioritize Benefits to Minority or Low-Income Populations



#### **New Grant and Pilot Programs**

- Bridge Investment Program \$12.5B
- Congestion Relief \$250M
- Charging and Fueling \$2.5B
- PROTECT Program (Resiliency) \$1.4B
- Reduce Truck Emissions at Ports \$400M
- National Infrastructure Project \$5B
- Safe Streets Program \$5B
- SMART Grant Program \$500M

- RAISE \$7.5B (Current Program)
- INFRA \$8B (Current Program)
- Wildlife Crossings Pilot \$50M
- Reconnecting Communities Pilot \$1B
- Prioritization Pilot \$50M



### **MPO Policy Changes**

- Encourages stronger coordination with housing officials; <u>may</u> integrate housing, transportation and economic development strategies; <u>may</u> develop a housing coordination plan.
- MPOs are required to use 2.5 percent of planning funds to carry out activities associated with Complete Streets.
- MPOs to consider equitable and proportional representation of the population in the planning area when designating MPO representatives.

### NEXT STEPS

## Rulemakings and Guidance

Proposed Rules and Guidance Over the Next Few Months

Opportunities to Provide Rulemaking Comments:

Regulations.gov

## Grant Opportunities

Numerous Grant Opportunities To Be Announced in 2022:

Grants.gov

Transportation.gov

#### **Apportionments**

Highway Formula Funding to State DOTs (\$26.9B), Followed by Transit Funding (\$3.3B)

Still Pending Congressional Action: FY2022 Appropriations, Debt Limit



### CONTACT US



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#### Rebekah Gongora

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# Partnering Organizations & Sponsors Recognitions



Luis Delgado, MBA, CCM, PMP

Executive Vice President, Construction Management Division

STV Incorporated

RHCA Board of Directors







## **Sponsors**





















BGE, Inc.

### **Partnering Organizations**



















## ConnectU2Jobs: Workforce Development Programs for Heavy Highway Industry

#### **Kent Andersen**

**Account Executive** Workforce Solutions Greater Dallas







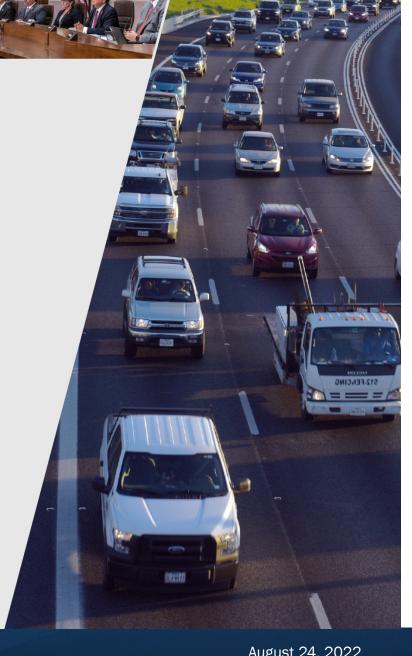




### **CONNECTU2JOBS**

**Highway Construction Workforce Partnership (HCWP)** 

**Enhancing Quality of Life for All Texans** 



Workforce Development August 24, 2022

#### **Overview**

- Reason for Project
- Engage Relevant Stakeholders: Workforce partners & Employer partners
- Project Description
  - HEO Training at Dallas College
  - Eligibility
  - Training
  - Certifications
- Employer Role
- Background
- Initiatives & Grant Opportunities

Workforce Development August 24, 2022

#### **HCWP Goals – Leverage and Improve on Existing Programs**

|      | NCCER Curriculum for Lev 1 HEO Cert - 173 hours total  | Hrs  |
|------|--|------|
|      | CORE (Classroom) Training  |      |
| Core | Safety   | 12.5 |
| Core | Communication Skills   | 7.5  |
| Core | Employability Skills   | 7.5  |
| Core | Intro to Materials Handling  | 5    |
| Core | Blueprint Reading/Construction Drawings  | 10   |
| Core | Construction Math  | 10   |
| Core | Hand & Power Tools   | 20   |
|      | (About 6 weeks for core training, at this pace)  | 72.5 |
| Note | Core classes require more focus and need to be paced out appropriately for better retention. Math classes may need to be spread out over the life of the curriculum. |      |

- First 6-week schedule (suggested)
- 3 days at college/ 2 days at worksite

105

- Shift after core curriculum completed
- 2 days at college/ 3 days at worksite

|           | NCCER Curriculum for Lev 1 HEO Cert               | Hrs  |
|-----------|---|------|
|           | Technical (Hands On) Training                     | Ť    |
|           |   |      |
| Technical | Orientation to the Trade                          | 5    |
| Technical | Heavy Equipment Safety                            | 10   |
| Technical | Identification of Heavy Equipment                 | 5    |
| Technical | Basic Operational Techniques                      | 27.5 |
| Technical | Utility Tractors                                  | 17.5 |
| Technical | Intro to Earthmoving                              | 12.5 |
| Technical | Grades  | 15   |
| Technical | Forklift  | 7.5  |
|           | (6 -7 weeks for technical training, at this pace) | 100  |
|           |   |      |

Workforce Development August 24, 2022



### **HCWP Next Cohort**

- February 21st Start Date
- 16 Students
- Student Interviews with Employers on the first day
- On the job the second week of training





**Highway Construction Workforce Partnership** (HCWP)

#### **Contact**

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### Panel Discussion Moderator



RHCA Secretary of the Board

Angela Berry Roberson, Esq. Principal Consultant, Civil Rights Advisory Services & Compliance US Advisory Services – Alternative Delivery WSP USA, Inc.









## Design Build Panel Discussion



Robert M. (Bob) Brown, P.E., DBIA Senior Director/Local Business Manager WSP USA, Inc.



Marvin Jackson

Diversity and Compliance Manager

Archer Western | AWH

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## Closing & Survey



John H. Martinez-D. RHCA President & CEO

















- · Hyperlink to Live Presentation
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- olink to Ken Simonson's blog
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Kenneth D. Simonsor Chief Economist AGC of America

Ken Simonson provides insight into the economy and what it implies for construction and related industries through frequent media interviews. presentations, and the Data DIGest, his weekly one-page e-newsletter that goes to over 50,000 subscribers.

He is interviewed and quoted daily by local and national media, including The Wall Street Journal, USA Today, and

Simonson has more than 40 years of experience analyzing, advocating and communicating about economic and tax issues. He currently serves as liaison to the Census Bureau's Construction Data Modernization Working Group. He is a Fellow and past president of the National Association for Business Economics, and he is co-director of the Tax Economists Forum, a professional meeting group he co-founded in 1982.

Simonson has a BA in Economics from the University of Chicago, and an MA in Economics from Northwestern University.









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