



# PUBLIC MEETING

IH 20 from West BI 20 to East BI 20 Stanton, TX

The environmental review, consultation, and other actions required by applicable Federal environmental laws for this project are being, or have been, carried out by TxDOT pursuant to 23 U.S.C. 327 and a Memorandum of Understanding dated December 16, 2014, and executed by FHWA and TxDOT.

# Introductions

- Gene Powell – Public Information Officer (TxDOT)
- Elected Officials
- Gabriel Ramirez, P.E. – Project Manager (TxDOT)
- Mark Van Andel, P.E. – Project Manager (Jacobs)
- Jason Buntz - Environmental Manager (Hicks)
- Other TxDOT Staff

# Agenda

- 1 Project History
- 2 Transportation Planning Process
- 3 Project Funding
- 4 Project Overview
- 5 Proposed Typical Section
- 6 Environmental Considerations
- 7 Project Timeline

# Project History

- January 2018 – Closure of West BI 20 due to multiple impacts
- Late 2018/Early 2019 – Removal of existing bridge on West BI 20
- **Proposed – National Environmental Policy Act (NEPA) clearance for improvements along the IH 20 corridor, including ramp reconfigurations, conversion to one-way frontage roads, and reconstruction of interchanges at West BI 20 and East BI 20.**

# Proposed Project

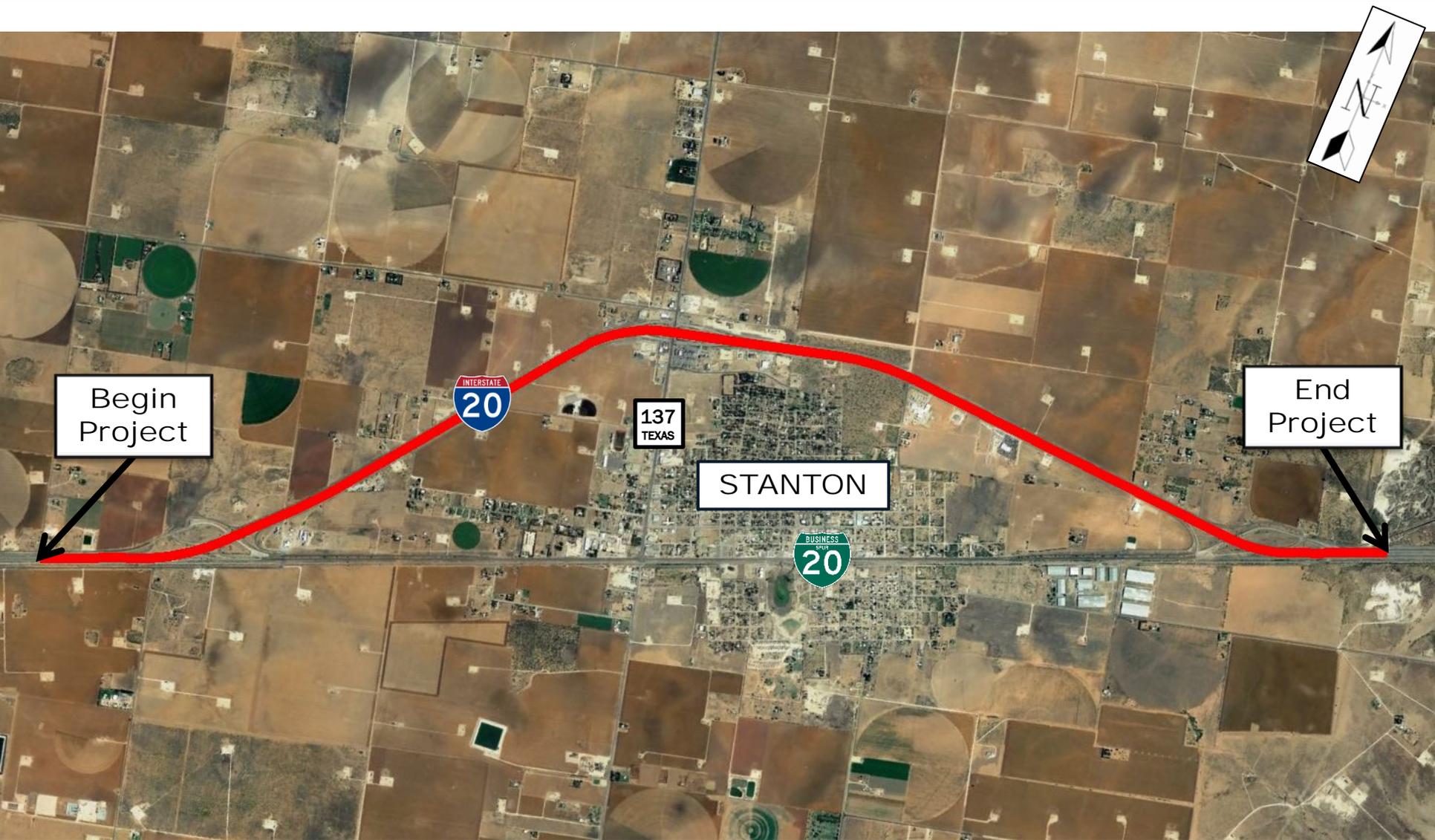
## Phase 1

- Limits – West BI 20 to SH 137
- Scope – Reconstruction of West BI 20 interchange, ramp reconfiguration and frontage road rehabilitation.
- Funding – Category 4 Rural Connectivity (\$20M), 80% Federal/20% State.

## Phase 2

- Limits – West BI 20 to East BI 20
- Scope – Reconstruction of East BI 20 interchange, ramp reconfiguration, frontage road rehabilitation and conversion to one-way.
- Funding – Develop Authority, with construction funding to be determined.

# Project Overview



# Project Overview – Phase 1

## LEGEND

- Frontage Rd
- Cross Street
- Bridges
- Ramps



# Project Overview – Phase 2

- LEGEND**
- Frontage Rd
  - Cross Street
  - Bridges
  - Ramps



# Project Overview – Phase 2



# Safety Impacts of Frontage Road Conversions

## Two-way to one-way frontage road conversions improved safety by:

**Reducing** serious head-on and angle crashes by

**83 - 94%**



**Reducing** fatal and injury crashes by

**57%**



**Reducing** intersection crashes by

**77 - 85%**



**Reduces** serious rear-end crashes by

**73%**



Eisele, William, Christine Yager, Marcus Brewer, William Frawley, Eun Sug Park, Dominique Lord, James Robertson, and Pei-fen Kuo, 2011. *Safety and Economic Impacts of Converting Two-way Frontage Roads to One-way: Methodology and Findings*. Texas Transportation Institute (TTI) at Texas A&M University. Sponsored by FHWA.

# One-Way Frontage Roads



- Two-Way Frontage Travel Time: 2 min
- One-Way Frontage Travel Time: 4 min



- Two-Way Frontage Travel Time: 3 min
- One-Way Frontage Travel Time: 4 min
- Alternate Route: 7 min

# One-Way Frontage Roads

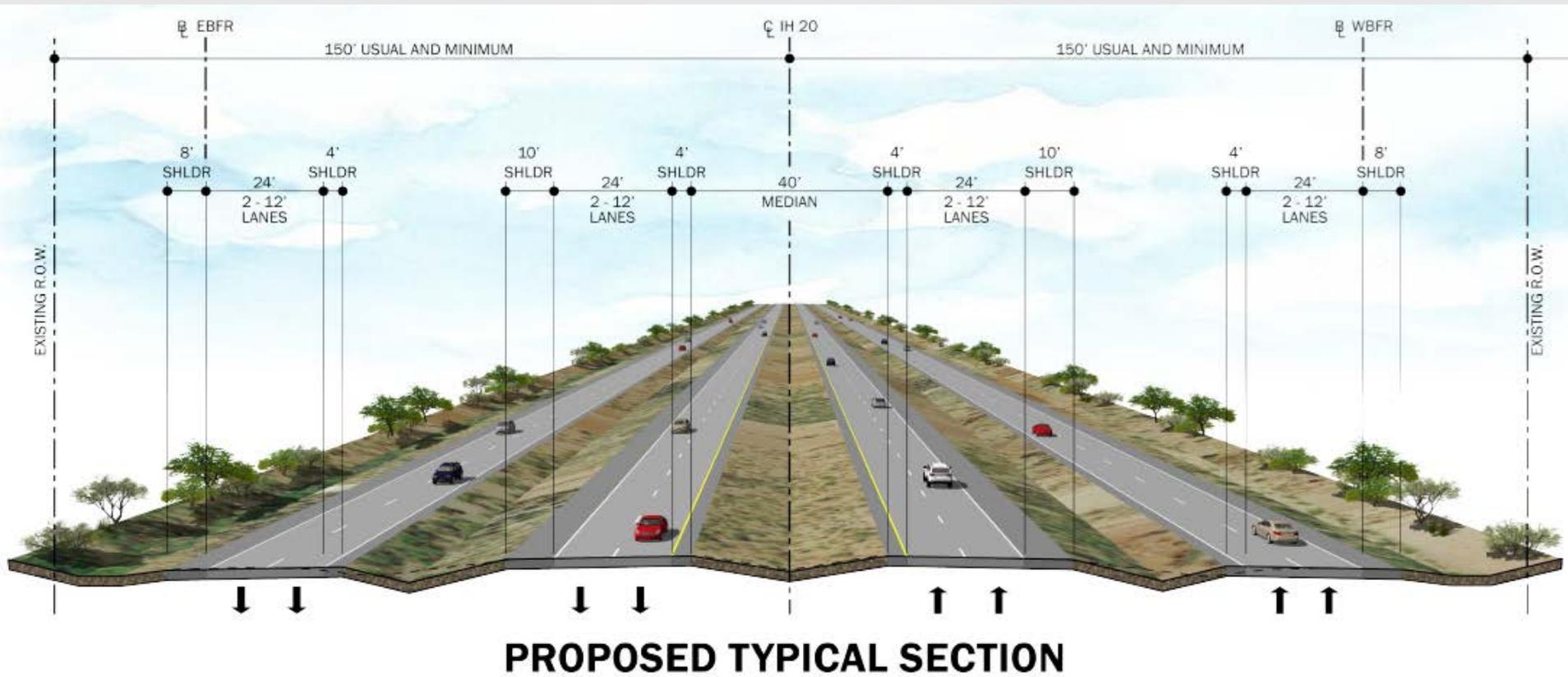


- Two-Way Frontage Travel Time: 2 min
- One-Way Frontage Travel Time: 5 min



- Two-Way Frontage Travel Time: 3 min
- One-Way Frontage Travel Time: 5 min

# Proposed Typical Section



# Environmental Considerations

## Environmental Study:

NEPA requires environmental analysis of a project's impact on natural and human environment if federal funds are to be used.



# Environmental Considerations (continued)

## Natural Environment

- Waters of the U.S./wetlands
- Water quality
- Vegetation
- Wildlife
- Threatened and endangered species

## Human Environment

- Community impacts
- Bike/pedestrian considerations
- Parks
- Traffic noise
- Air quality
- Cultural resources

# Project Timeline

- Early 2019 - Anticipate NEPA approval for Phase 1 & 2
- January 2020 – Phase 1: BI 20 West to SH 137 scheduled for letting
- Spring 2020 – Phase 1: Begin construction
  - Approximately 18 months for construction
- To Be Determined – Phase 2: BI 20 West to BI 20 East

# Questions and Comments

Comments may be submitted until close of business November 14, 2018

Send comments to:

Gabriel Ramirez, P.E.  
Texas Department of Transportation  
3901 E. Hwy 80  
Odessa, TX 79761

[Gabriel.Ramirez@txdot.gov](mailto:Gabriel.Ramirez@txdot.gov)  
432-498-4645