WELCOME
TxDOT Project Manager: Grant Chim, P.E.
Agenda

1. Introductions / Purpose of Meeting
2. What is a PEL (Planning & Environmental Linkages) Study?
3. Role of the PAC
4. Purpose of the PEL Study
5. I-10E Study Limits
6. Engagement
7. Technical Process
8. Project Schedule and Next Steps
What is a Planning & Environmental Linkages (PEL) Study?

- An early planning study that links planning and the National Environmental Policy Act (NEPA) environmental studies.

- Initiates coordination with oversight agencies, stakeholders, and members of the public.

- Streamlines the overall project development process and minimizes duplication.
Role of the Project Ambassadors Committee (PAC)

- Engage
- Inform Team
- ID Groups
- Review

[Diagram showing the cycle of Engage, Inform Team, ID Groups, and Review]
PAC Representatives

- Chambers County
- City of Baytown
- City of Houston
- Harris County
- METRO
Purpose of the PEL Study

- Explore improvements for a variety of transportation modes, such as high-occupancy vehicle lanes, truck lanes, transit, rail, bicycle, and pedestrian.
- The PEL process will identify projects for future implementation based on needs within the study area.
Engagement - Communications Tools

- Logo and branding
- Website and social media
- Fact sheets, project business cards
- Surveys
- Distribution at community centers and events
Open house, interactive, encouraging feedback

Four locations each round
  - Houston
  - Channelview
  - Baytown
  - Mont Belvieu

Phase I Public Meeting: February 2018
Engagement - Stakeholder Groups

- Chambers of commerce, economic development councils, industry organizations, major employers
- Neighborhoods
- Social services
- Special interest, environmental
Agencies

- Federal, such as U.S. Army Corps of Engineers and U.S. Fish and Wildlife Service
- State, such as Texas Commission on Environmental Quality and Texas Parks and Wildlife Department
- Harris County Toll Road Authority
- Harris County Flood Control District
- Port Houston and Chambers-Liberty Counties Navigation District
- Railroads
- Emergency management: federal, state, and local
Technical Process

- Data Collection
- Previous Studies
- Environmental Constraints
- Traffic Data
- Accident and Crash Data
- Drainage Information
Traffic Data Collection

- Main lane volume counts (39)
- Intersection turning movement counts (66)
- 24-hour volume counts (365)
- System to system counts (34)
- Bluetooth data collection (73)
- Cell phone data collection
Data Collection Locations
## Previous Studies

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<tr>
<th>Year</th>
<th>Study Title</th>
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<tr>
<td>2003</td>
<td>The National I-10 Freight Corridor Study – Summary of Findings, Strategies, and Solutions</td>
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<td>2007</td>
<td>Houston Region Freight Study</td>
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<td>2008</td>
<td>The National I-10 Freight Corridor Study – Phase II Report / Corridor ITS Architecture</td>
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<td>2010</td>
<td>H-GAC Subregional Planning Initiative East Port Transportation – Land Use Vision Plan and Implementation Program</td>
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<td>2011</td>
<td>Fifth Ward Pedestrian Bicyclist Special District Study</td>
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<td>2012</td>
<td>East End Mobility Study</td>
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<td>2013</td>
<td>H-GAC Regional Good Movement Plan</td>
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<td>Baytown Mobility Plan</td>
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<td>2014</td>
<td>Final Environmental Impact Statement – The Grand Parkway Segments H and I-1</td>
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<td>Fifth Ward / Buffalo Bayou / East End Livable Centers Study</td>
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<td>2016</td>
<td>H-GAC 2040 Regional Transportation Plan (RTP)</td>
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<td>I-10 Corridor Coalition – A TPCB Peer Exchange</td>
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<td>Kashmere Gardens Livable Centers Study</td>
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<td>Texas Freight Mobility Plan</td>
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<td>2017</td>
<td>Regional Transit Framework Study</td>
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<td>North Houston Highway Improvement Project Draft Environmental Impact Statement</td>
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<td>H-GAC State Highway 146 Subregional Study</td>
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<td>Houston Bike Plan</td>
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Environmental Constraints

- Land Use
- Demographics
- Water Resources
- Biological Resources
- Hazardous Materials
- Neighborhood and Community Resources
- Cultural Resources (Historical & Archeological)
- Parks / Recreation / Conservation Areas
Identified Environmental Constraints

- **Land Use / Demographics / Community Resources**
  - Fifth Ward Neighborhood – environmental justice community; potential historic district

- **Cultural Resources**
  - Sloan Memorial United Methodist Church – historic church
  - Evergreen Cemetery
  - San Jacinto Funeral Home & Memorial Park

- **Hazardous Materials**
  - San Jacinto Foundry – Superfund site
  - San Jacinto River Waste Pits – Superfund site

- **Parks**
  - Kress Lyons Park
  - Hennessey Park

- **Water Resources**
  - Hunting Bayou
  - Greens Bayou
  - Carpenters Bayou
  - San Jacinto River
  - Cedar Bayou
Existing Conditions Report

- Corridor Overview
- Physical Features
- Water and Drainage Features
- Utilities
- Transportation Facilities
- Traffic Data
- Safety Analysis
- Traffic Analysis & Operation
Railroad Network
Projected Conditions Report

- **Travel Demand Modeling**
  - H-GAC Subarea Model
  - Cell phone data for Origin-Destination

- **Future No-Build Years**
  - 2018 Existing
  - 2025 Opening
  - 2030 Interim
  - 2040 Design
PM Peak Hour Level of Service
### Project Schedule

#### Phase I
- Data Collection
- Existing Conditions
- Issues & Concerns

#### Phase II
- Universe of Alternatives
- Alternatives Refinement
- Viable Alternatives
- Final Study

#### Public Outreach
- Project Ambassadors Committee (PAC)
- Agency Coordination
- Stakeholder Outreach
- Public Meeting

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Next Steps - Engineering

- Forecast Future Traffic
- Analyze No-Build Scenario
- Identify Issues & Concerns
- Develop Universe of Alternatives
Next Steps - Environmental

- Refine constraints map
- Qualify resources
- Quantify resources
Next Steps - Public Outreach

- Stakeholder Outreach (December 2017 /January 2018)
- Agency Coordination Meeting #1 (January/February 2018)
- Public Meeting #1 (February 2018)
Specific Geographic Issues

- Where are the hot spots?
  - Congestion
  - Safety concerns
  - Connectivity
  - Other
Overall Transportation Concerns and Needs

- What are the areas key transportation challenges?
- What do you think the corridor needs now and through the year 2040?
Local Views and Contacts

- What groups should be contacted to encourage their participation?
- What are their primary concerns?
- Do you have contact information?
THANK YOU!

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