

GOVERNMENT OPERATIONS COMMITTEE 2025

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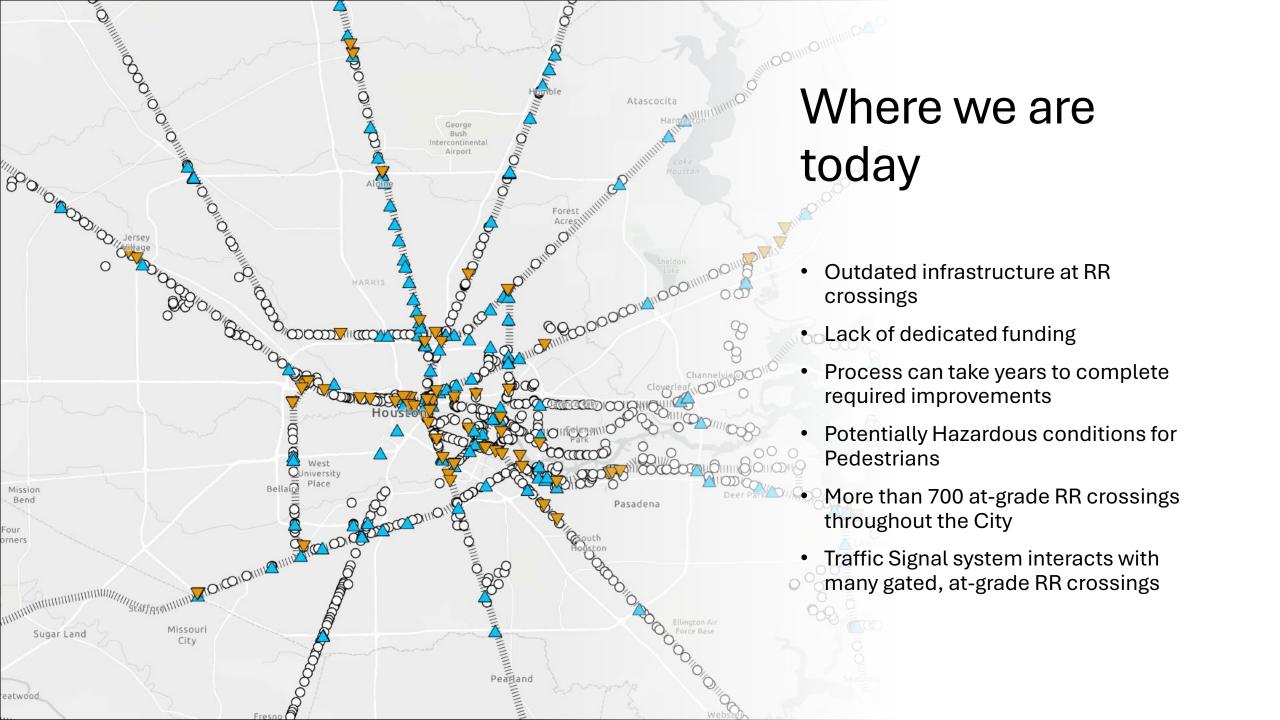
Agenda

- Rail Safety
- Where we are today
- Improvement Strategies
- Technology & Communications
- Quiet Zones
- Funding
- Fed programs, state programs, and regional collaborations

Rail Safety

- At Grade Crossing Provide safer crossings by updating infrastructure and technology.
- Grade Separations and Pedestrian Bridges— Prioritizing safety infrastructure around high traffic areas to eliminate conflicts.
- Rail Safety Education Programs provides safety programs to schools to educate students of rail safety (partnership with Union Pacific).





Improvement Strategies

- Partner with Railroads for crossing upgrades.
 - Union Pacific can fund technical upgrades to train control systems and active warning devices at certain crossings.
- Upgrades to sidewalks, medians, signing and pavement markings and other traffic control devices for proper channelization and traffic control.
 - Potential opportunity to utilize CDSF to update sidewalks, curbs and medians at RR crossings.
- Clear Zone improvements.
- Crossing closures and consolidations, or Grade separation for road safety and risk mitigation/elimination.
- Quiet Zone initiative.
- Integration to adjacent traffic signal operations and Intelligent Transportation System (ITS).

Technology & Communications high impact

- Leverage technology to provide rapid relief to communities
- Examples:
 - Use cameras and sensors to track where trains are stalled
 - Communications Network to tie data to Transtar for widespread sharing
 - Potential to collaborate with apps for public access (e.g. Google Maps, Waze)
 - Use dynamic message signs (DMS) to communicate detours to drivers
 - Coordinate with adjacent traffic signals to efficiently facilitate traffic









40 requested Quiet Zones (QZs), consisting over 154 railroad crossings - pending funding

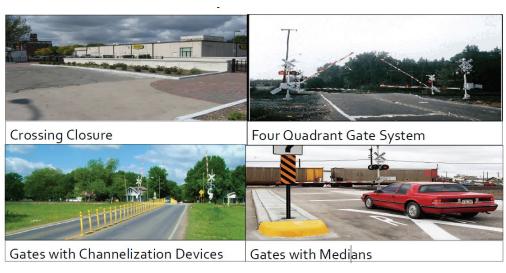


QZs **improve quality of life** and can include **safety enhancements**



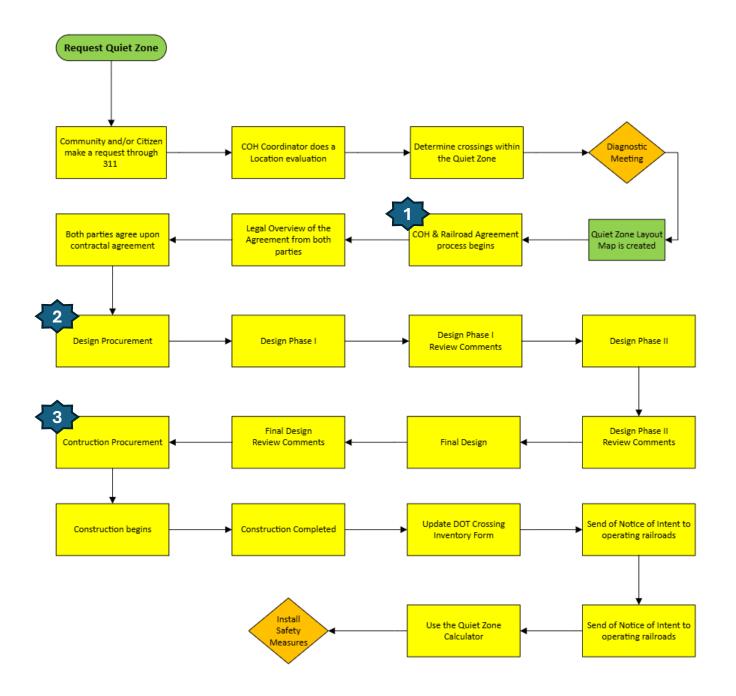
Typical cost to implement can range from \$50k to greater than \$500k per crossing

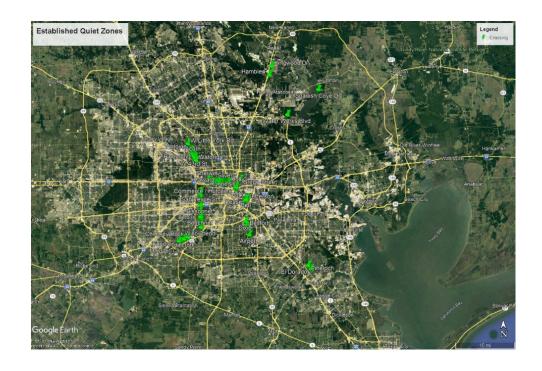




Funding is required to facilitate:

- Preliminary Engineering (PE)
 Agreement with Railroad
- Engineering Design
- Contractor Construction





| QZ Name | From Street | To Street | Year Est. |
|---------------------|---------------------|-------------------|-----------|
| West Loop | E. Briarhollow Lane | Willowbend Blvd | 2006 |
| Runnels | Runnels | Commerce/Hutchins | 2010 |
| Washington Corridor | Sherwin St | Oliver St | 2010 |
| Hwy 3/Old Galveston | Pineloch | El Dorado Blvd | 2010 |
| Mykawa | Airport Blvd | Dixies Dr | 2011 |
| First Ward | Oliver St | Holly St | 2011 |
| Spanish Cove | Spanish Cove Dr | Spanish Cove Dr | 2012 |
| South Main/Westbury | Fondren Rd | Chimney Rock Rd | 2012 |
| Kingwood-Hamblen | Kingwood Dr | Hamblen Dr | 2012 |
| East End I Phase I | Telephone Rd | Polk St | 2014 |
| Greater Inwood | Watonga Blvd | W Little York | 2016 |
| Silver/Sawyer | Silver St | Sawyer St | 2015 |
| Water Works Blvd | Water Works Blvd | Water Works Blvd | 2016 |
| Gregg Street | Gregg Street | Gregg Street | 2018 |

Grade Separation

- Benefit: Eliminate crossing conflicts and reduce delays related to railroad operations
- Implications:
 - Impacts to local access and connectivity
 - ROW acquisition generally required
 - Public Involvement and Community Engagement
 - Significant Design & Construction Cost
 - Significant construction disruption



Antoine Grade Separation



Funding Opportunities

- Federal Discretionary
 - Railroad Crossing Elimination Program (RCE)
 - Consolidated Rail Infrastructure and Safety Improvements (CRISI)
 - Better Utilizing Investments to Leverage Development (BUILD) (formerly RAISE/TIGER)
 - Nationally Significant Multimodal Freight & Highway Projects (INFRA)
 - National Infrastructure Project Assistance Program (MEGA)
 - Safe Streets for All (SS4A)
 - Community Project Funding (earmarks)

Federal Formula

- Surface Transportation Block Grant (STBG)
- Congestion Mitigation/Air Quality (CMAQ)
- Transportation Alternatives Set-Aside (TASA)
- Highway Safety Improvement Program (HSIP)
- Railway Highway Crossing Program (Section 130)

State Funding

- Texas Railroad Grade Separation Grant (SB 1555)
- Legislative Appropriations (earmarks)

Recent Funding Awards

| Project/Program | Source | Assistance Amount |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|----------------------------------------|
| Commerce/Navigation and Sampson/York at UPRR (West Belt), Grade Separations | CMAQ (FHWA/H-GAC) and RCE (FRA) | \$98.3m (\$61.4m CMAQ, \$36.9m RCE) |
| Antoine Dr at BNSF, Grade Separation | STBG (FHWA/H-GAC) | Part of \$59.0m for roadway |
| Broadway St at UPRR (Milby H.S.), Pedestrian Overpass | Legislative Appropriation | \$10.0m |
| Little York Rd/Hirsch Rd at UPRR | Legislative Appropriation | \$5.0m |
| Tidwell Rd/Hirsch Rd at UPRR | Legislative Appropriation | \$5.0m |
| Various Crossings (Lawndale St, Jensen Dr, Heights Blvd, Fondren Rd, Rankin Rd, W Tidwell, Hillcroft Ave, Scott St, CE King Pkwy, Bellaire Blvd, Bissonnet St, San Felipe St, Post Oak Rd, McFarland Dr, Parker St, Airtex Dr, Sherwin St, Airport Blvd, Chimney Rock Rd, Long Dr) | Section 130 (FHWA/TxDOT) | >\$5.0m |
| East End Triangle R.A.I.L.S Plan, Study (Harris Co.) | RCE (FRA) | \$2.0m |

Regional Collaboration

- Houston Area Rail Transformation (The HART)
 - Gulf Coast Rail District*
 - Chambers Co.
 - H-GAC
 - TxDOT
 - METRO
 - Class I Railroads







RAILWAY

^{*} GCRD members are City of Houston, Port Houston, Harris Co., Fort Bend Co., Waller Co., Montgomery Co. and Galveston Co.

thank you!



