



EAST END
DISTRICT

Rail Safety Taskforce

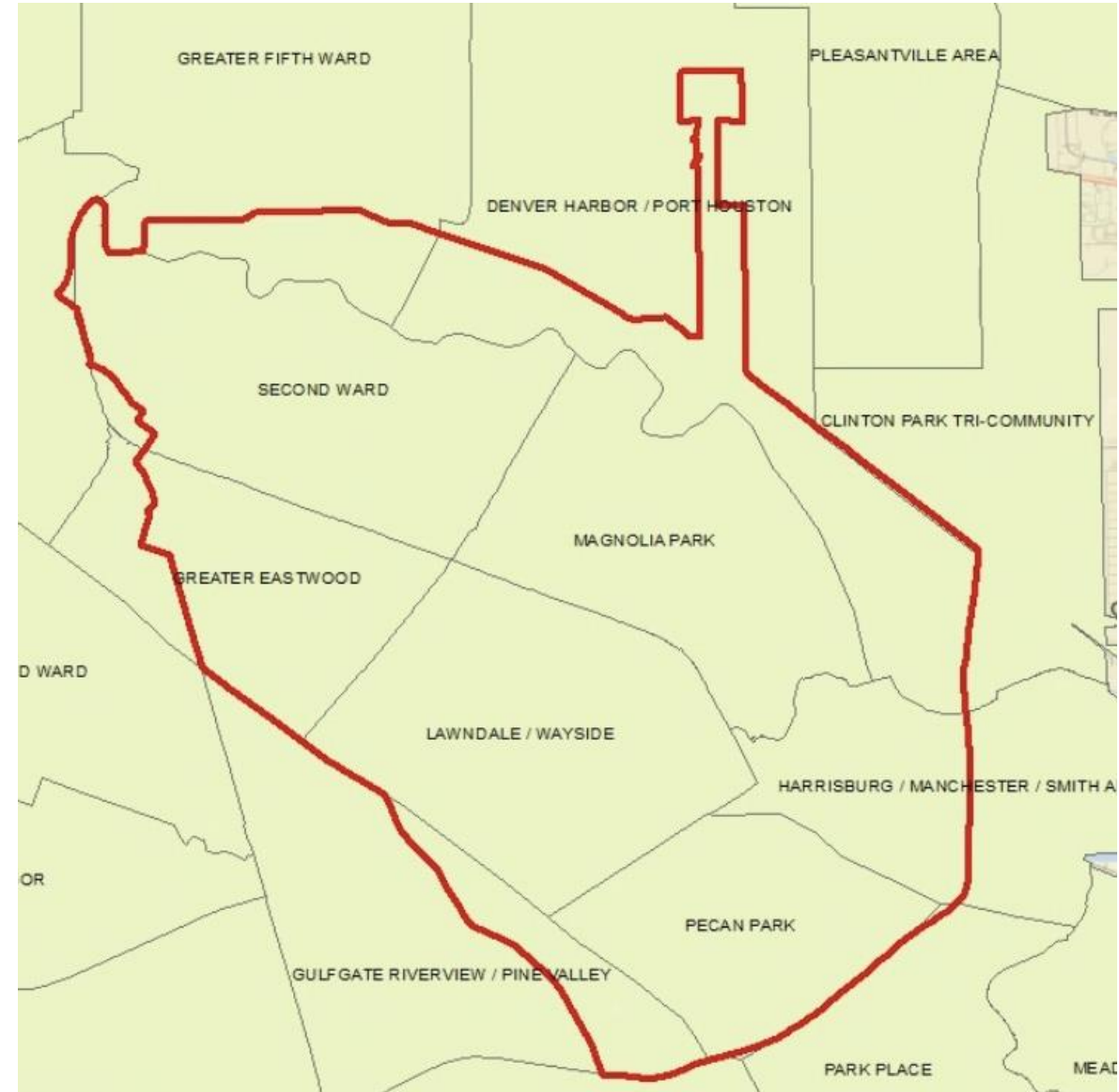
March 2025

Jack C. Hanagriff, Manager
Road & Rail Safety Program
East End District

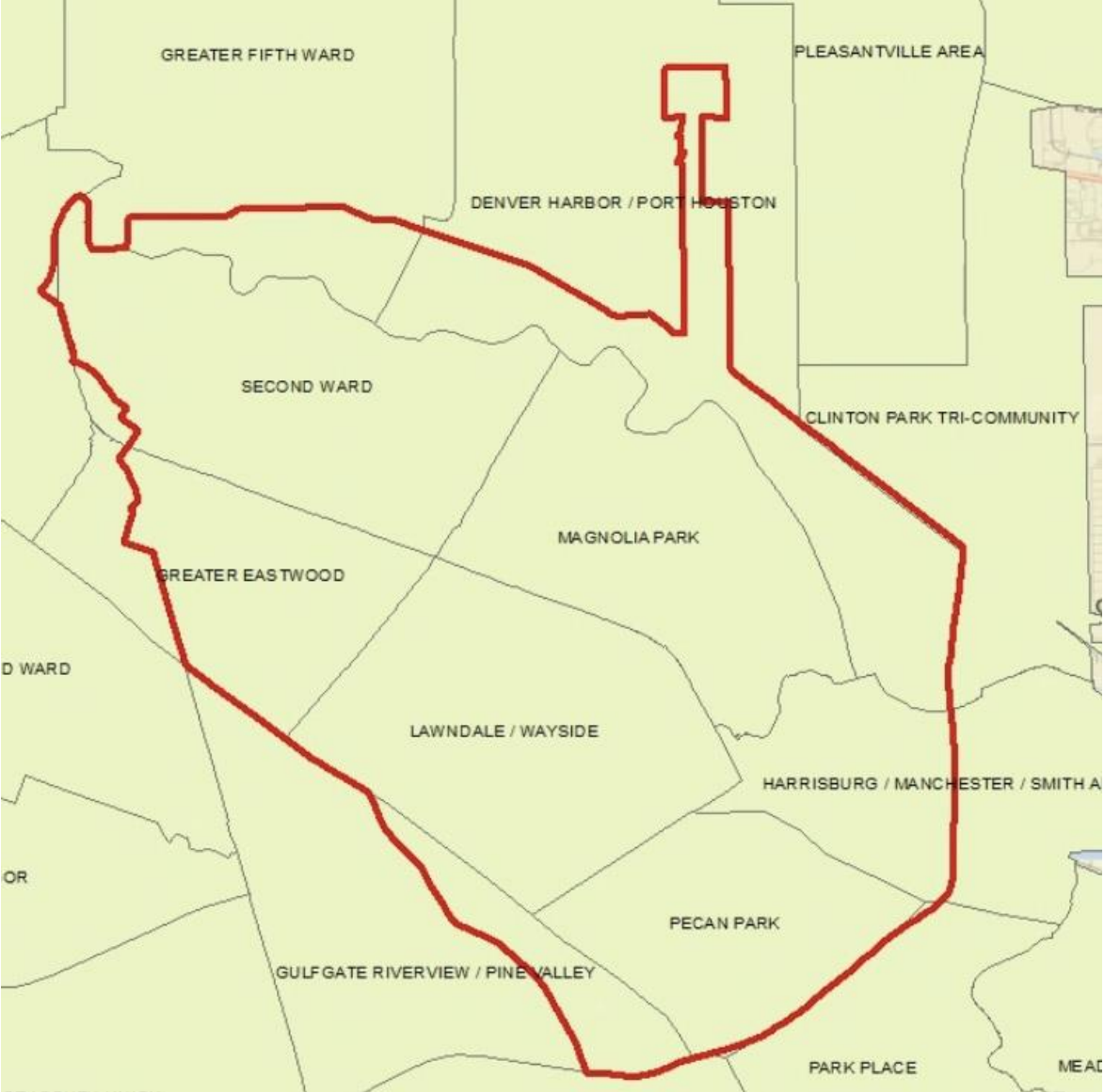
Cyndi Lee, Research Assistant
Texas A&M University
Safe Streets Contract

East Houston Focused

- Continue to identify needs and address concerns related to Transportation Safety, specific to railroad operations in the East End and adjoining communities.
- Identify other road safety and mobility concerns for the East Houston Area
- Engaged Communities
 - Denver Harbor
 - Eastwood
 - Fifth Ward
 - Magnolia Park
 - Manchester
 - Pecan Park
 - Pleasantville
 - Second Ward



- Speeding Vehicles



Rail Corridor Collaborative

Reported Events that affected Safety and Railroad Operations:

- May 2025 - Track Maintenance Project Phase 2
- March 11, 2025 – Track Maintenance on East Belt – no disruption expected
- January 1, 2025 – Track Maintenance in Denver Harbor/Fifth Ward
- December 9, 2024 – Pedestrian Train Fatality (Galveston Sub)



Rail Safety Focus Group

Public and Private Sector entities from the four railroads, city, county, state and federal governments

- Continuity of Efforts
- Information Sharing
- Transparency
- Goal Oriented

<u>Short Term</u>	<u>Mid Term</u>	<u>Long Term</u>
Crossing Prioritization List	Monitoring/Alerting Technology	Infrastructure Improvements
School Proximity List	Pedestrian Access	Legislation
Railroad Operating Practices	Funding	
Communication		
Signage (Wayfinding)		
Public Awareness Campaign		
Crossing Guards		

Rail Mobility Task Force

East End District, HGAC, GCRD are working the below tasks:

- Developing a Regional Crossing Catalog
- Creating a prioritization criterion
- Creating a School Proximity List
- Developing a School Safety Strategy
- Implementing Train Watch

Data Convergence

Using FY22 SS4A Funding, Texas A&M School of Public Health and TTI is helping to correlate data content from the:

- FRA Blocked Crossing Report,
- Houston Smart Railroad Project,
- HFD Delay by Train Report

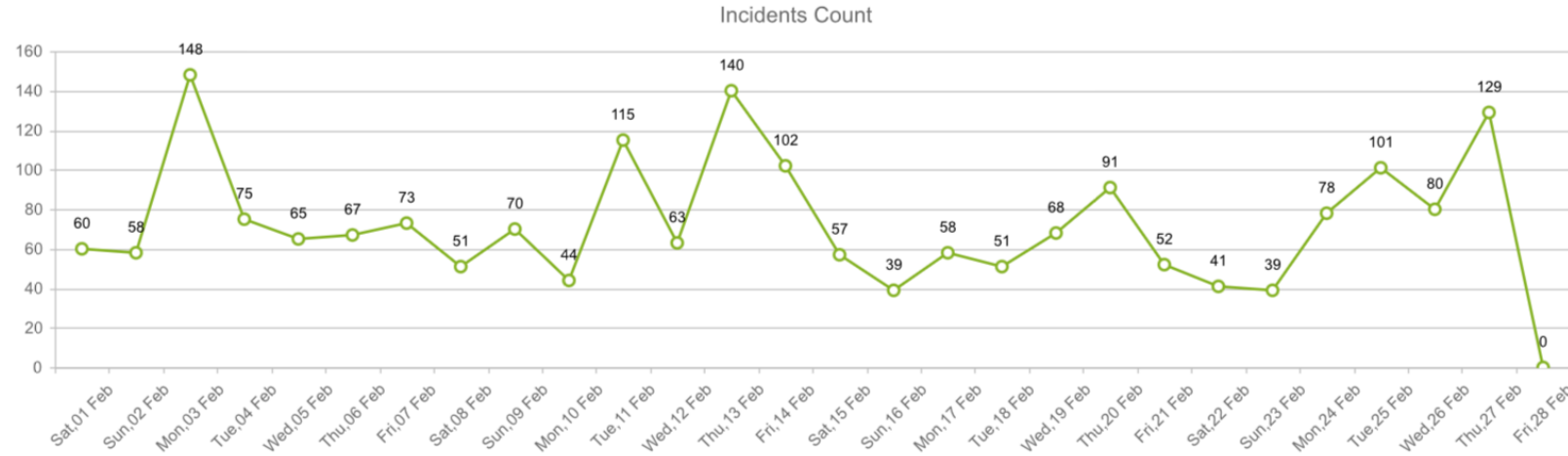
The goal is to identify trends that compound a Stopped Train Event

Evaluating Pedestrian Activity at Crossings



National Blocked Crossing Trends

February 2025



February 2025-2,015
January 2025 – 1,820
December 2024 – 1,661

Houston Feb

- 301-Reported
- - Peak Times
- – Off Peak

Houston Jan 25

- 163 Reported
- - Peak Times
- – Off Peak

FRA Blocked Crossing – Pedestrian/Trespassing Activity

		Apr-24	24-May	24-Jun	24-Jul	20-Aug	24-Sep	24-Oct	"Nov 2024	Dec 2024	January- 25	Feb 25	
location	Street												
859527H	Altic St		1	20	2		1	1	10	3	3	11	
288221A	Cullen blvd	9	15	21	8	3	7	2	7	5	4	13	
859524M	Dumble st	6	3	21	8		2	2	9	4	5	12	
859522Y	Eastwood	16		27	6	8	3	3	8	4	7	16	
755640L	Hirsch	1		14	5	3	2			2	1	1	
288224V	Leeland St	10	13	23	8	4	7	3	7	5	4	13	
859523F	Lockwood St	8	3	26	12		5	2	10	6	5	13	
288227R	McKinney St	9	12	17	6	3	5	3	7	4	4	11	
859518J	Milby St	2		20	3		2		12	5	7	11	
288226J	Milby St	4	9	19	6	3	8	3	6	5	4	13	
859521S	Oakhurst St	7		21	5		3	1	9	5	8	10	
859519R	St. Joseph (Private)	3		13	3		2		2	4	8	12	
859519R	Sampson St			2					6		0		
859516V	Sampson St	4		13			2		2	3	9	9	
288229E	Sampson St	3	9	17	8	1	3	2		2	3	10	
758545B	Silver St	4			8	3			3	1	0		
288228X	York St	4	8	17	7	1	3	2	6	2	4	11	
859517C	York St	4		13	1		2		2	2	7	8	

East Houston Sensor Activity January 2025

Validated: Smart Crossing Technology			
	Avg. Activation per day	Average Daily Activation	Longest Activation
Commerce St	26	9 min	1 Hr 2/26/25 @ 9:06 PM
Hirsch Rd	54	5 min	2.50 Hr 2/14/25 @ 10:13 AM
Leeland/cullen	26	8 min	2.56 Hr 2/17/25 @ 11:02AM
Lockwood St			
Market(5900)	17	12 min	1.89 Hr 2/23/25 @10:59AM
Polk (5400)	12	10 min	2.93 Hr 2/28/25 @ 00:17 PM
York St	12	9 min	1.67 Hr 2/4/25 @3:15PM
Unvalidated			
Airport Blvd			
Broadway St	4	21 min	1 Hrs 2/21/25 @ 4:34 PM
Lawndale St	5	7 min	1.09 Hr 2/6/25 @7:24 PM
South 75th St			
South Wayside	13	4 min	1 Hr 2/24/25 @ 7:24 PM

Houston Fire Department Delays by Train Report

	Jan 2025	Feb 2025
Total Events	101	86
Stopped Train	66	54
Total Slow Train	35	30
Other	0	2
Total Impacts to EED	21	18
% impact to EED	21%	21%

FY22 Project for Safety Action Plan – Ends July 2025

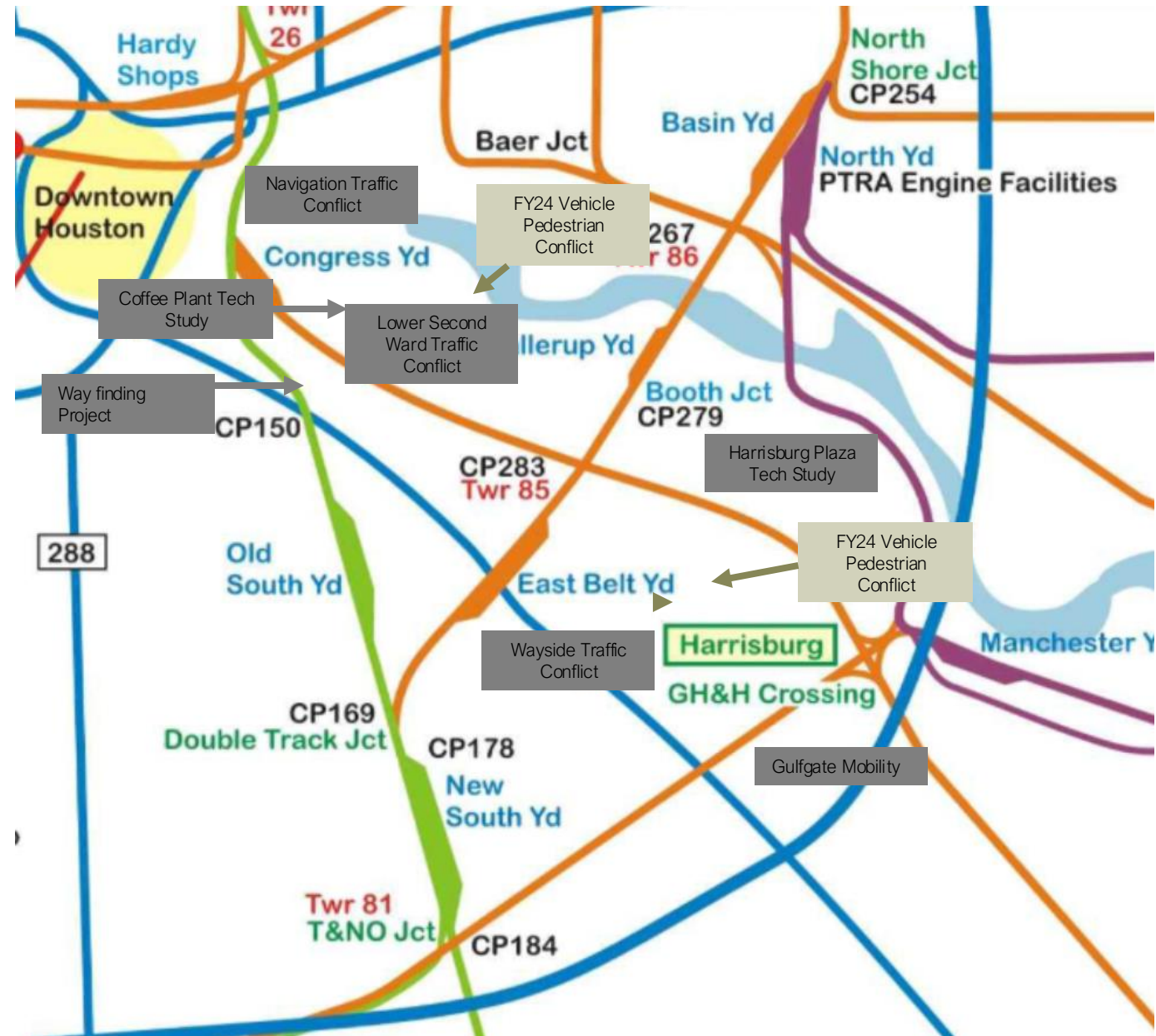
FY24 Supplemental Planning and Demonstration - \$895,000

- Transportation System Gap Analysis
- Pedestrian-Vehicle Conflict Demonstration
- Community Dashboard



TAMU Winter Capstones

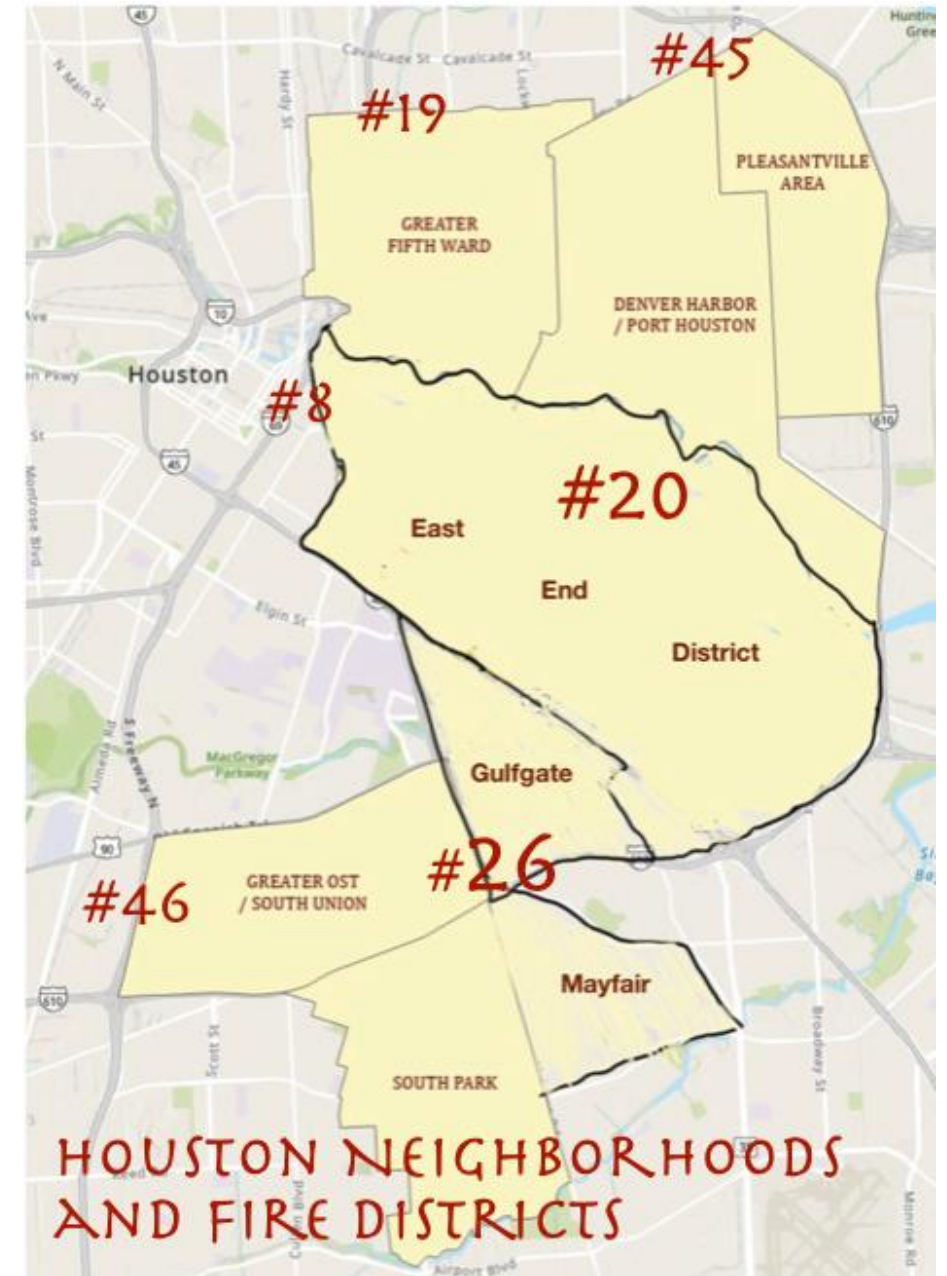
- Transportation System Gap Analysis
- Business Resilience Study, Phase 2
- Pedestrian Conflict: Navigation, Sampson/York, & Wayside
- Gulfgate Center Mobility, Phase 2



City of Houston

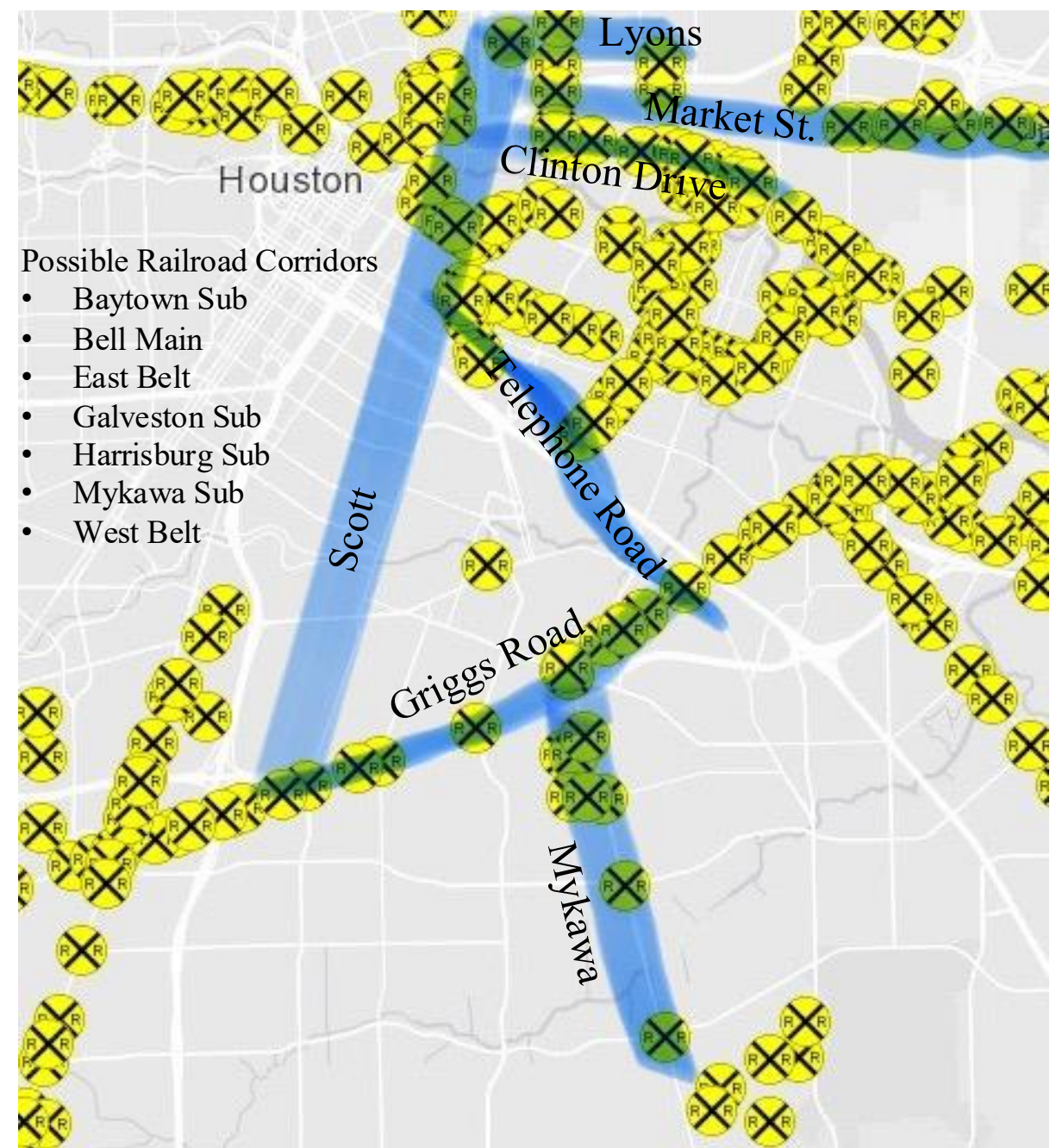
Safe Streets Post Crash Care Demonstration

- \$3.4 Million over a Four-Year Period
- Support Public Safety Efforts & Post Crash Care
- Improve Emergency Routing
- Reduce response time
- Assist motorist mobility and reduce unsafe behaviors
- Reduce crashes by identifying traffic anomalies



Demonstration Locations

- 25 Railroad Crossings
- 32 High Injury Intersections
- Assess Emergency Routes
- Review Transportation System Infrastructure
- Evaluate Existing Traffic Signal Preemption
- Develop a Responder Portal for Data Consumption
- Study CAD Integration
- Detect Unsafe Motorist Behavior
- Share Alerts with Public Facing Products





Thank You
