

Rail Safety Taskforce
January 2024

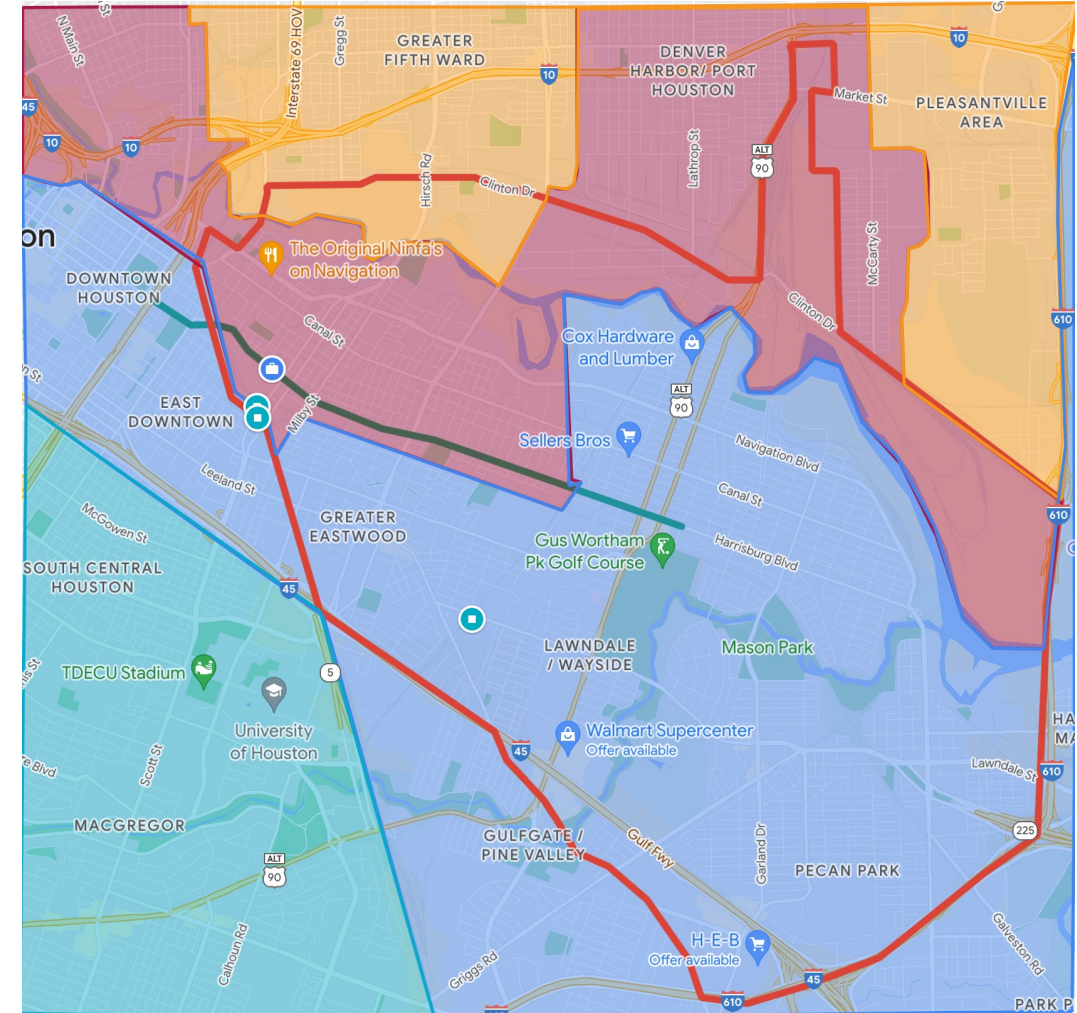


Jack C. Hanagriff, Manager
Road & Rail Safety Program
East End District

Trinity Parker, Project Manager
Safe Streets for All Project
East End District

East End 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 within the East Houston area



Transportation Safety Initiatives

A collaborated effort with transportation safety organizations and academia to implement a road and rail safety awareness strategy for the East Houston Area

Current Initiatives:

- Safe Streets For All - Safety Action Plan
- Texas A&M Crossing Bypass Study – Phase 1 Completed
- US Road Assessment Program – Due by January
- Healthy Community – Assess Safe Routes to School, Clinics, and Community Center

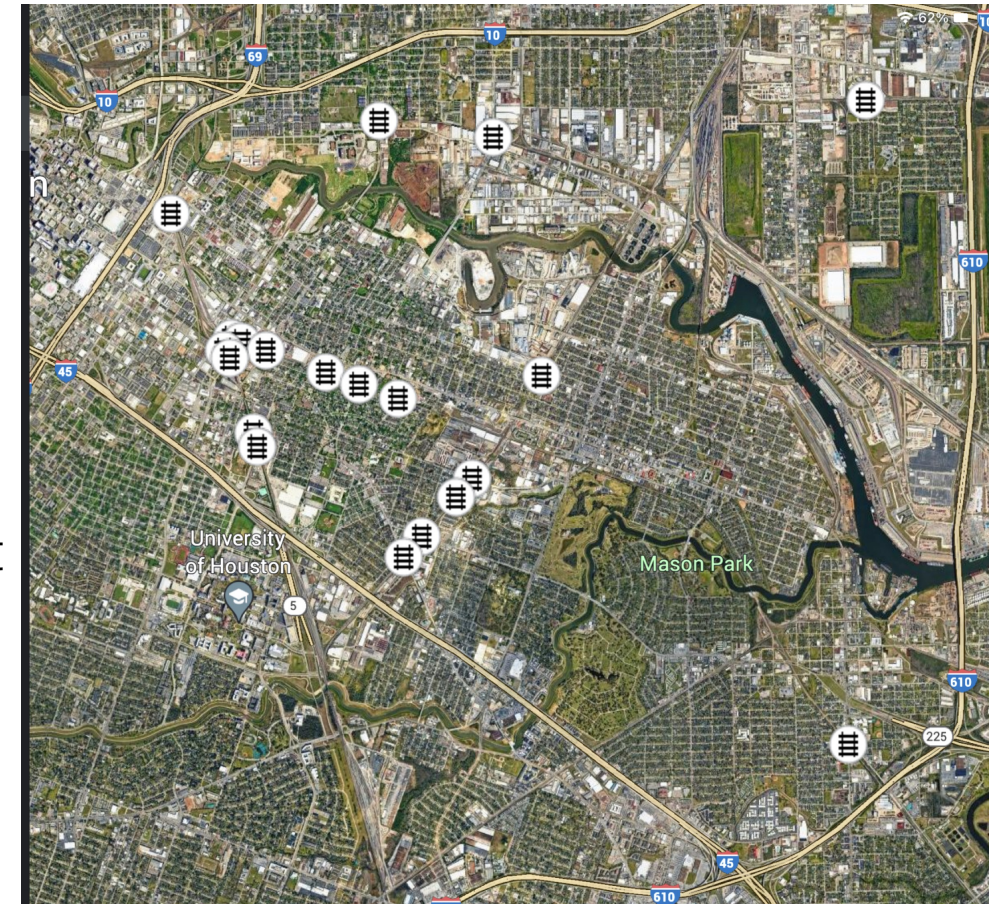


Texas A&M Capstone

Identify alternate routes and evaluate treatments that can assist motorists in by-passing Blocked Railroad Crossings.

Objectives:

- Reduce traffic congestion and minimize “boxed in” motorist
- Manage driver expectation by offering wayfinding signage along alternate routes
- Reduce unsafe activities, e.g., racing the train, high speed driving, etc.
- Deliver traffic calming opportunities through route guidance



- Completing Discovery Phase
- Moving to Simulation

East End Studies

9% of Houston Roads Account for 58% of transportation related fatalities or serious injuries

•**Star Rating for Schools** -evaluate the use of evidence-based processes to measure, manage and communicate roadway risk along primary routes to schools found within the High Injury Network

- Magnolia Park
- Pecan Park
- Second Ward

•**Traffic Conflict Toolkit** - measure needs using a safe system approach to determine if recommended changes could affect near misses before and after infrastructure/quick build

- Lockwood (Eastwood)

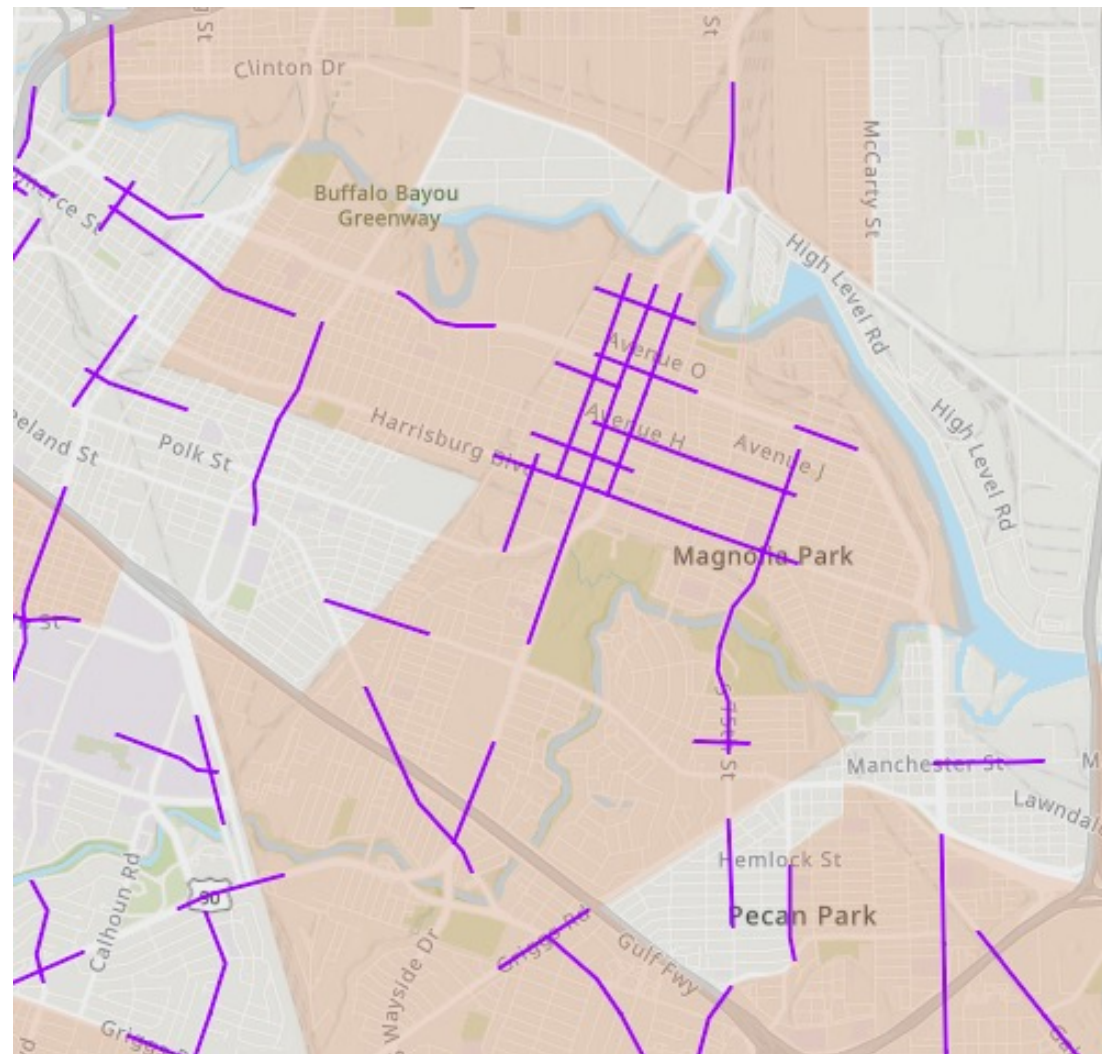
•**Safe Road Study** (Smart Intersection)-analyze the volume of crashes occurring at intersections around the Harrisburg Plaza and Coffee Plant areas and use technology to identify and evaluate the data collected. This data will also be used to measure transportation anomalies that create risk and/or contribute to a crash and determine whether the technology can be effective in alerting transportation users of potentially high-risk intersections.

- Harrisburg Plaza (6800 Harrisburg)
- Coffee Plant (3400 Harrisburg)

•**Safe People Study** – support new community/clinic programs intended to increase physical activity and wellness may also increase exposure to traffic around these health centers. By assessing transportation safety needs based on routes providers and patients take to access health care or programs.

- Magnolia Park
- Harrisburg/Manchester
- Eastwood/Lawndale

•**Alternate Route Study (Phase 2)** - use simulated traffic flow projects to expand on efforts from a previous Capstone to develop a Railroad Crossing By-Pass set of solutions to alert and guide motorists around Blocked Crossings



Railroad Crossing Sensor Activity

December	Daily Crossing Occupancy	Average Occupancy	Longest Daily blockage (hr)	Longest Occupancy
Commerce Street	24	10 Minutes	1.5 Hours	12/24/23 @1:05 AM (Non Peak)
Lockwood	7	17 Minutes	4.5 Hours	12/14/23 @9:16 AM (Non Peak)
York	13	8 Minutes	5 Hours	12/2/23 @2:30 AM (Non Peak)
Market (5900)	28	3 Minutes	2 Hours	12/1/23 @9:42 PM (Non Peak)
Polk (5400)	12	14 Minutes	9 Hours	12/31/23 @10:07 PM (Non Peak)
Leeland/Cullen	24	9 minutes	2 Hours	12/31/23 @11:55 PM (Non Peak)
Hirsch Road	No Data			

November 2023	Daily Crossing Occupancy	Average Occupancy	Longest Blockage	Longest Occupancy
Commerce Street	23	10 Minutes	3.5 Hours	11/29/23 @12:43 PM (Partial Peak)
Lockwood	8	17 Minutes	4.5 Hours	11/9/23 @7:40 PM (Non-Peak)
York	11	9 Minutes	5 Hours	11/21/23 @1:20 AM (Partial Peak)
Market (5900)	34	4 Minutes	3 Hours	11/13/23 @8:37 PM (Non – Peak)
Polk (5400)	11	9 Minutes	6 Hours	11/16/23 @9:23 PM (Non-Peak)
Leeland/Cullen	9	4 Minutes	20 Minutes	11/2/23 @5:14 AM (Non-Peak)
Hirsch Road	80	4 Minutes	5 Hours	11/10/23 @10:25 PM (Non-Peak)

2024 Year

- Continue to coordinate with local railroads and the East Houston Communities to manage expectations of Stopped Train Events.
- Conduct studies for understanding secondary impacts caused by train operations and unsafe motorist/pedestrian behaviors affecting public safety and mobility.
- Continue to evaluate transportation conditions that contribute to community instability related to local business disruptions, school delays, access to clinics, and other neighborhood programs.





Thank You

Find Out More at: eastenddistrict.com

Jack C. Hanagriff, Manager
Road Safety and Mobility Program
Jack@eastenddistrict.com

Trinity Parker
Safe Streets for All Project
Trinity@eastenddistrict.com