

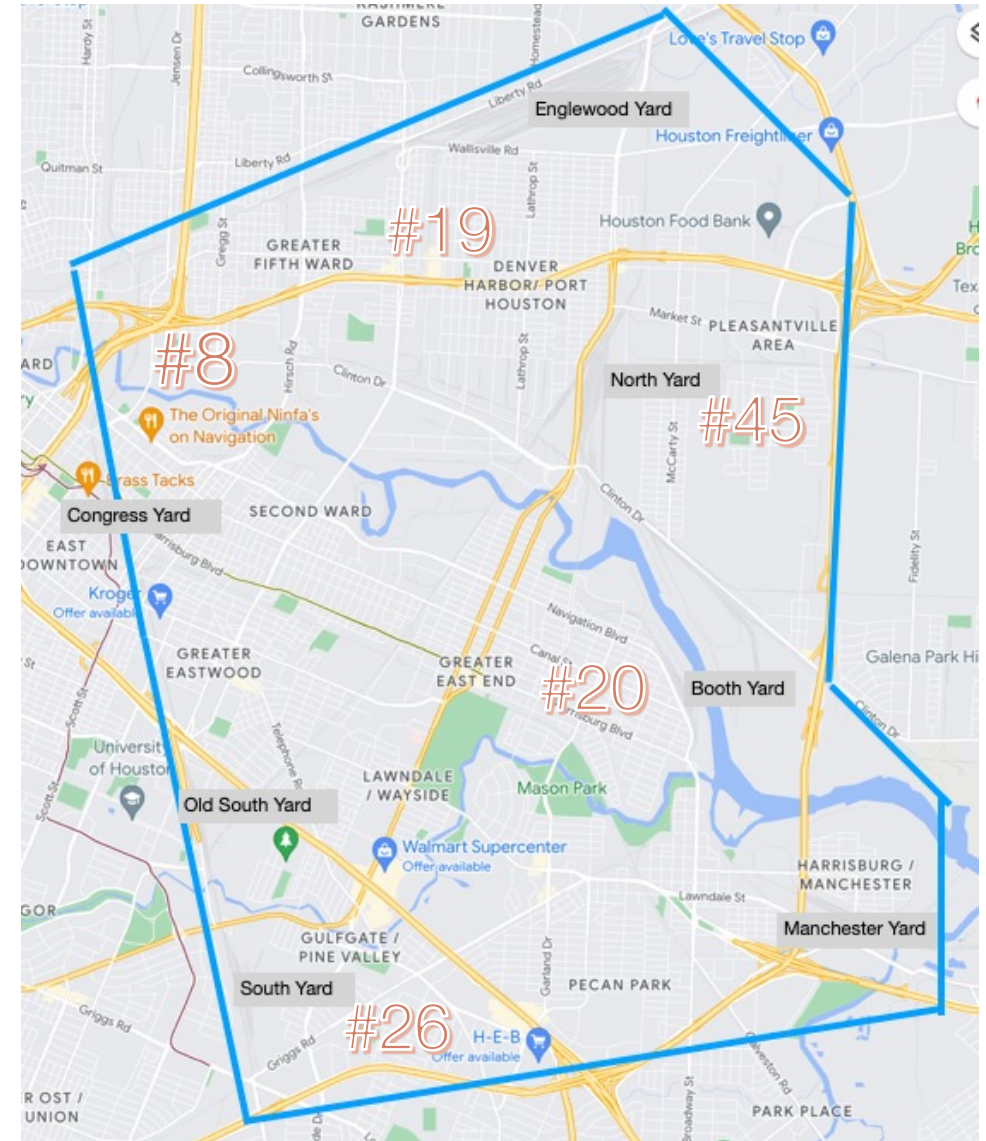
Rail Safety Taskforce
June 2023



Jack C. Hanagriff, Manager
Road Safety and Mobility Program
East End District

East Houston Focus

- Continue to identify needs and address concerns related to train operations impacting quality of life in East Houston Neighborhoods
- Identify other road safety and mobility concerns within the East Houston area



DOT Funding

The Federal Railroad Administration announces the City of Houston to receive \$36.91 Million in Railroad Crossing Elimination Grant Funding

- Largest Allocation in the State of Texas
- Ensure the reconstructing of the Navigation Boulevard railroad underpass and the construction of the Commerce Street underpass
- Construction of a new underpass on York Street



Hobby School Capstone

High Injury Network

Railroad Impact Study

- Research Delays to HFD
- Business Impact Survey

Railroad Crossing Sensor Activity

May 2023	Daily Occupancy over 10 minutes	Average Occupancy	Avg. Daily Blockage	Longest Occupancy
Commerce Street	23	9 minutes	4	1 Hour (05/24/23 @2:04PM –Non)
Lockwood	6	13 minutes	1	1.5 Hours (05/03/23 @12:57 AM-Non)
York	13	6 minutes	1	1 Hour (05/02/23 @8:17 PM – Non)
Market (5900)	14	18 minutes	4	3 Hours (05/29/23 @1:15 AM-Non)
Polk (5400)	15	9 minutes	2	6 Hours (05/18/23 @8:44 PM-Non)
Leeland/Cullen	29	7 Minutes	3	2 Hours (05/20/23 @6:19 PM – Non)
Hirsch Road	7	29 Minutes	4	3.5 Hours (5/9/23 @12:30 AM – Non)

April 2023	Daily Occupancy over 10 minutes	Average Occupancy	# over 30 minutes	Longest Occupancy
Commerce Street	23	9 minutes	4	1.5 Hours (4/7/23 @7:29 AM –Peak)
Lockwood	7	15 Minutes	2	3 Hours (04/03/23 – 5:05 AM- Peak)
York	26	5 Minutes	2	3.5 Hours (04/03/23 @4:59 AM – Non)
Market (5900)	14	21 Minutes	5	7.5 Hours (04/22/23 @9:24) - Non
Polk (5400)	17	7 Minutes	2	3 Hours (4/1/23 @8:25 PM) - Non
Leeland/Cullen	27	8 minutes	3	5 Hours (4/16/23/ @10:53 AM) - Non
Hirsch Road	7	41 Minutes	5	6 Hours (04/08/23 @5:32 AM – Non)

Rail Safety Summit

The EED co-hosted a Rail Safety Summit with Houston-Galveston Area Council and the Federal Railroad Administration. Below are outcomes from a participant survey.

Open to anything	Rail incident response, command and control.
Risk assessment	City planning, suicide prevention initiatives
Trespass technology	Case studies on how safer issues were addressed.
Monitoring technology	Security issues involving tagging and trespassing
More personal stories.	Safety of the school busses crossing the tracks
Prevention enforcement	How it relates to education K-12 with more specifics
Smart crossing projects	So far everything I was interested in has been covered.
Grade separation planning	Methodology and resources sharing sites or advisory panels.
Blind spots at grade crossing	Different Grants in more detail to if our department could benefit
More items for the full region	More info on how everyone is communicating with the railroads to find solutions.
Not very familiar with the topic	ROW trespassing. Huge problem. Adjoining developments built with no regard for RR safety.
Rail and road safety interface.	I would like some hands on active technology. Something we can feel and touch during the breaks.
Emergency management/anti terror	Maybe some more information on how other regions with lots of trains are dealing with these issues



RAIL SAFETY SUMMIT 2023

Join us for the 2023 Rail Safety Summit and participate in discussions about grade crossing collision and trespassing prevention.

The Rail Safety Summit will bring together subject matter experts spanning multiple disciplines and organizations to share existing practices and explore strategies that the rail industry could pursue to reduce the number and rates of incidents, injuries, and fatalities involving railroads, motorists, cyclists, and pedestrians along railroad corridors.

The summit is a two-day event sponsored by the Federal Railroad Administration and the East End District in collaboration with other partners from the Houston-Galveston region. You can register for the Rail Safety Summit at <https://www.fra.dot.gov/conference/2022/GXTP/Register.aspx>.

SUMMIT GOALS

- Raise awareness of the dangers and effects associated with grade crossing collisions and trespassing events
- Seek out low-cost solutions to local incidents along rail corridors and grade crossings
- Discuss practical ideas for technology and engineering improvements for safety and highway-rail grade crossings
- Identify and prioritize research needs (e.g., technology, human factors, methodology, enforcement, and education)

WHO SHOULD ATTEND?

First responders, planners, public works professionals, local senior officials, state and federal government officials, railroad partners, transit agencies, academic partners, nongovernmental organizations

SPONSORING ORGANIZATIONS






When
May 9 – May 10, 2023
8 a.m. – 5 p.m.

Where
Harris County Department of Education Conference Center
6300 Irvington Blvd., Houston, TX 77022
(Free parking in the garage. The conference center is on the top floor of the garage. Take the elevator up to the fifth floor.)

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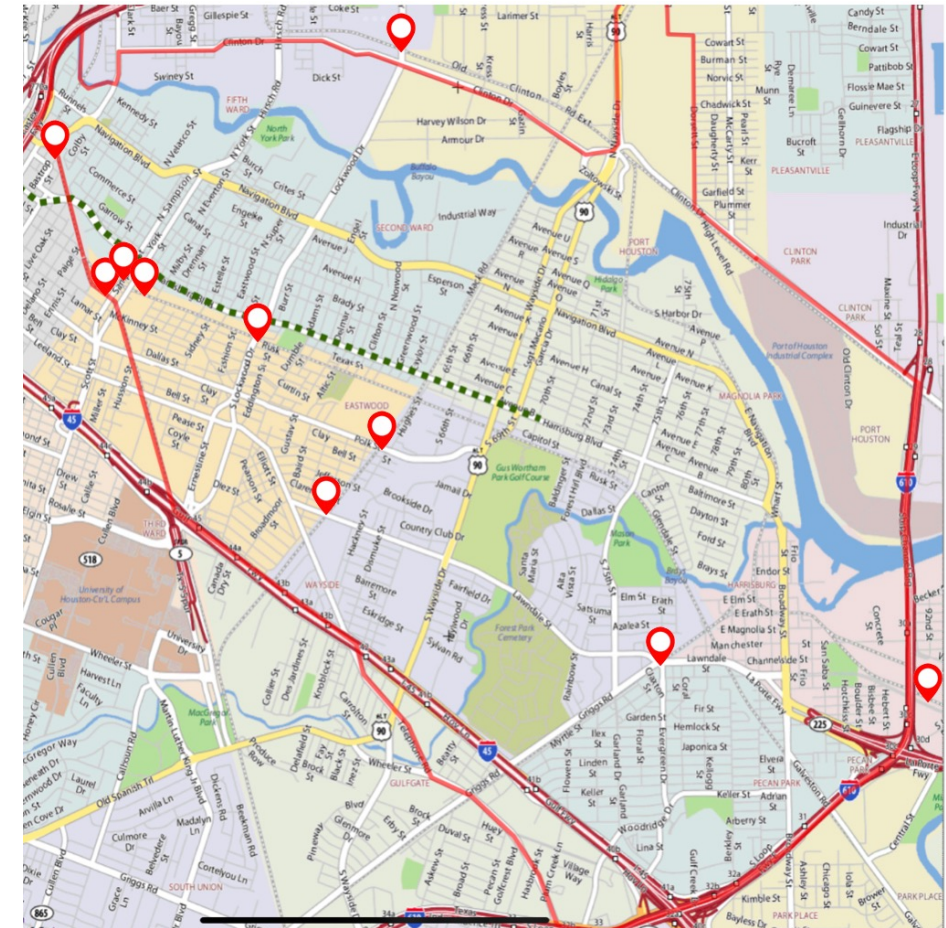
[Click Here to Register](#)

Smart Railroad Cameras & Sensors



18 Locations Monitored (Citywide)

4100 N. Braeswood (UPRR Ballpark)	1200 Durham (UPRR – Terminal)
1000 Lockwood (UPRR Baer Junction)	5900 Market (UPRR EB)
700 S. Lockwood (UPRR - Galveston Sub)	700 Sampson (UPRR Galveston)
900 Sampson (UPRR-WB)	700 York St. (UPRR Galveston)
2100 Commerce (UPRR Congress Yard)	6300 Sherman (UPRR Tower #85)
5400 Polk St. (UPRR EB)	5200 Lawndale (UPRR – EB)
4000 Leeland (UPRR WB)	7300 Lawndale (UPRR – Katy Neck)
1500 Central (UPRR Near Manchester Yard)	400 Hirsch Road (UPRR – Baer Junction)
5800 Mykawa @ Long Drive (T&NO Junction)	1400 West Road (UPRR Tower #26)





Thank You

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