

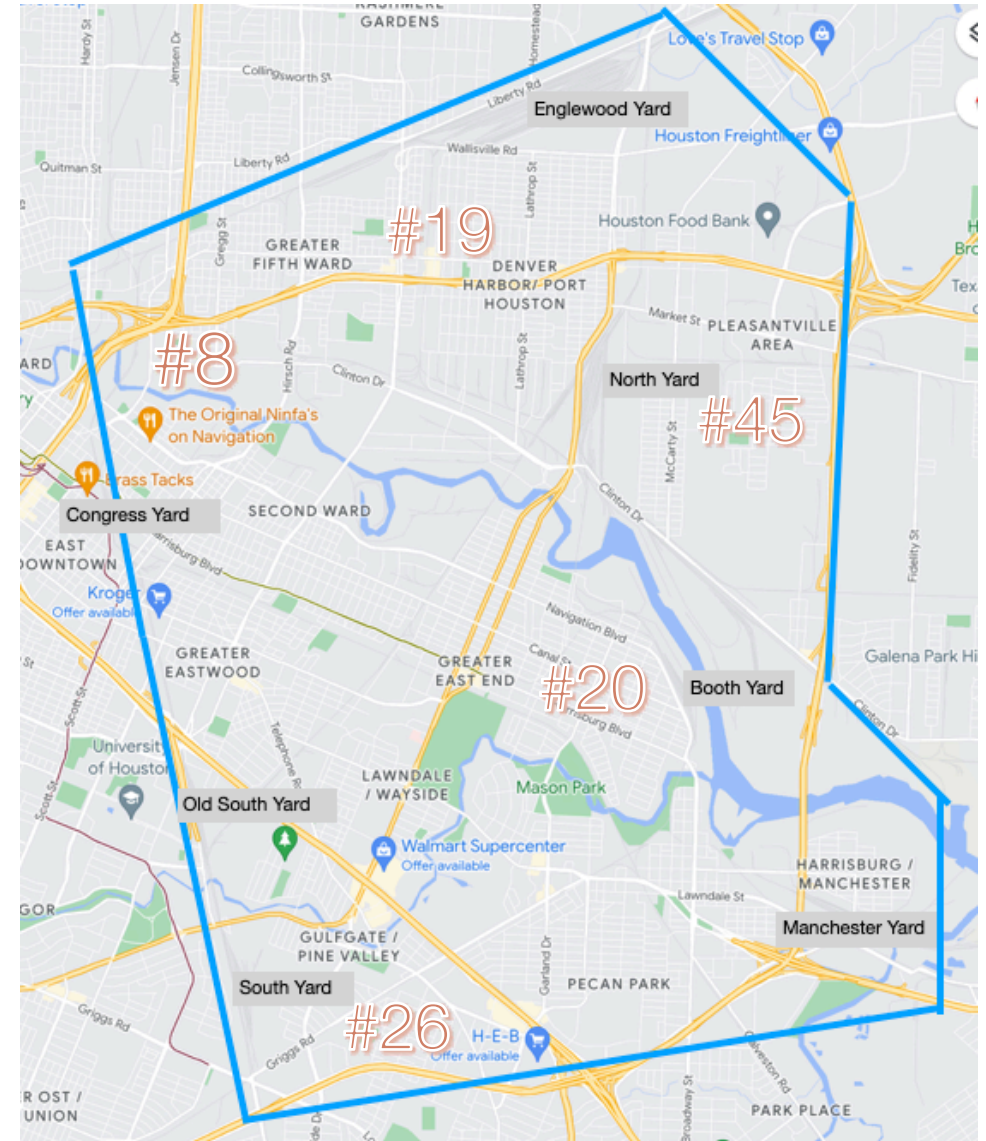


Rail Safety Task Force
April 2023

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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



Rail Corridor Collaborative – UPRR Update

- Leadership is aligned is ensuring railroad operations are efficient and blocked crossing reduction is a priority
- Operational Adjustments are ensuring train routing is efficient
- Making infrastructure investments to reduce bottlenecks and stoppages
- Increasing visibility of blocked crossing events:
 - Track Tags
 - Email Notifications
 - Dispatch Alerts
 - Use of Cameras and other Sensors
- Consistent Communication with other railroads, Houston First Responders, FRA and community leaders



March 2023 Reported Blockages

	January 2023	February 2023	March 2023
HFD	93 (56 Stopped)	80 (48 Stopped)	90 (56 Stopped)
FRA	72 (134)	(152)	(133)

HFD reported delays by East Houston Neighborhood

East End	OST/South Park	Pleasantville	Fifth Ward
8	11	1	3

Sensor Activity

Significant Delays to HFD
Lockwood: 03/06/23 @4:54 AM >2 Hours
Sampson on WB: 03/20/23 11:46 AM -12:16 PM
Polk on EB: 03/22/23 @ 1:58 AM (49 Minutes)
Leeland: 03/31/23 @8:41 PM (6:43PM -10:30 PM)

Slow Trains
Lockwood: 03/01/2023 @4:56 PM <10minutes
Commerce: 03/05/2023 @7:14 AM <10 minutes
Lawndale: 03/28/23 @ 4:07 PM < 10 Minutes
Leeland: 03/31/23 @8:41 PM (6:43PM -10:30 PM)

Trainfo Analysis

March 2023	Daily Occupancy over 10 minutes	Average Occupancy	Avg. Daily Blockage	Longest Occupancy
Commerce Street	22	10 minutes	4 hours	3 Hours (3/16/23) @4:04 AM - Partial
Lockwood	6	18 minutes	2 Hours	3 Hours (03/17/23) @1:36 AM –Non Peak
York	14	8 minutes	2 Hours	3 Hours (3/17/23) @ 1:33 AM – Non Peak
Market (5900)	14	16 minutes	4 Hours	3 Hours (3/2/23) @7:41 PM – Non Peak
Polk (5400)	15	10 minutes	3 Hours	5 Hours (3/31/23) @7:27 PM – Non Peak
Leeland/Cullen	26	8 minutes	4 Hours	2 Hours (3/21/23) @2:06 AM – Non Peak
Hirsch Road	In Calibration			

February 2023	Daily Occupancy over 10 minutes	Average Occupancy	# over 30 minutes	Longest Occupancy
Commerce Street	22	10 minutes	19	2.5 Hours
Lockwood	6	20 Minutes	17	11 Hours (2/26/23 @8:00 PM) No Impacts to HFD
York	16	7 Minutes	14	11 Hours (2/26/23 @ 8:00 PM)
Market (5900)	15	18 Minutes	53	5 Hours (02/26/23 @7:13 PM)
Polk (5400)	12	2 minutes	0	
Leeland/Cullen	25	8 minutes	12	1.5 Hours (02/28/23 @8:28 PM) (2/23 – 49 minutes)

Smart Railroad Sensors



Most Likely to encounter a train in East Houston

Crossing	City	State/Province	Cross Product	AADT	Avg. Blockages per Day	Vehicles Impacted per Day	Avg. Vehicle Delay per Day (hr)
LYONS AVENUE - HOUSTON - 287994N	HOUSTON - TX	TX	368,820	6,830	54	1,537	76.84
TELEPHONE - HOUSTON - 288051H	HOUSTON - TX	TX	363,900	12,130	30	1,516	75.81
LOCKWOOD STREET - HOUSTON - 859523F	HOUSTON - TX	TX	351,340	15,970	22	1,464	73.19
LAWNDALE - HOUSTON - 288050B	HOUSTON - TX	TX	260,700	8,690	30	1,086	54.31
POLK - HOUSTON - 288039B	HOUSTON - TX	TX	250,200	8,340	30	1,042	52.12
DUMBLE STREET - HOUSTON - 859524M	HOUSTON - TX	TX	171,820	7,810	22	716	35.79
SOUTH 75TH STREET - HOUSTON - 745046X	HOUSTON - TX	TX	170,520	12,180	14	710	35.52
LAWNDALE STREET - HOUSTON - 859547U	HOUSTON - TX	TX	159,600	13,300	12	665	33.25
CANAL - HOUSTON - 288024L	HOUSTON - TX	TX	149,000	7,450	20	621	31.04
Wayside Drive - HOUSTON - 288326N	HOUSTON - TX	TX	120,000	30,000	4	500	24.99
LAWNDALE STREET - HOUSTON - 755351K	HOUSTON - TX	TX	100,940	7,210	14	421	21.03
Milby Street - HOUSTON - ...	HOUSTON - TX	TX	93,800	4,690	20	391	19.54

Railroad Impact Study

- Research Delays to HFD
- Business Impact Survey



Thank You

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