



TIM: From School House to Institutionalization

Prepared by: J.O. "Bear" Wilson, Captain
Houston Fire Department
Emergency Response Command
Date of Presentation: May 22, 2019

Haz-Mat Incident: Formic Acid

IH 10 Katy Freeway Westbound at Post Oak

Tuesday November 28, 2017

Approximately 8:00





848

53'

DUPRE

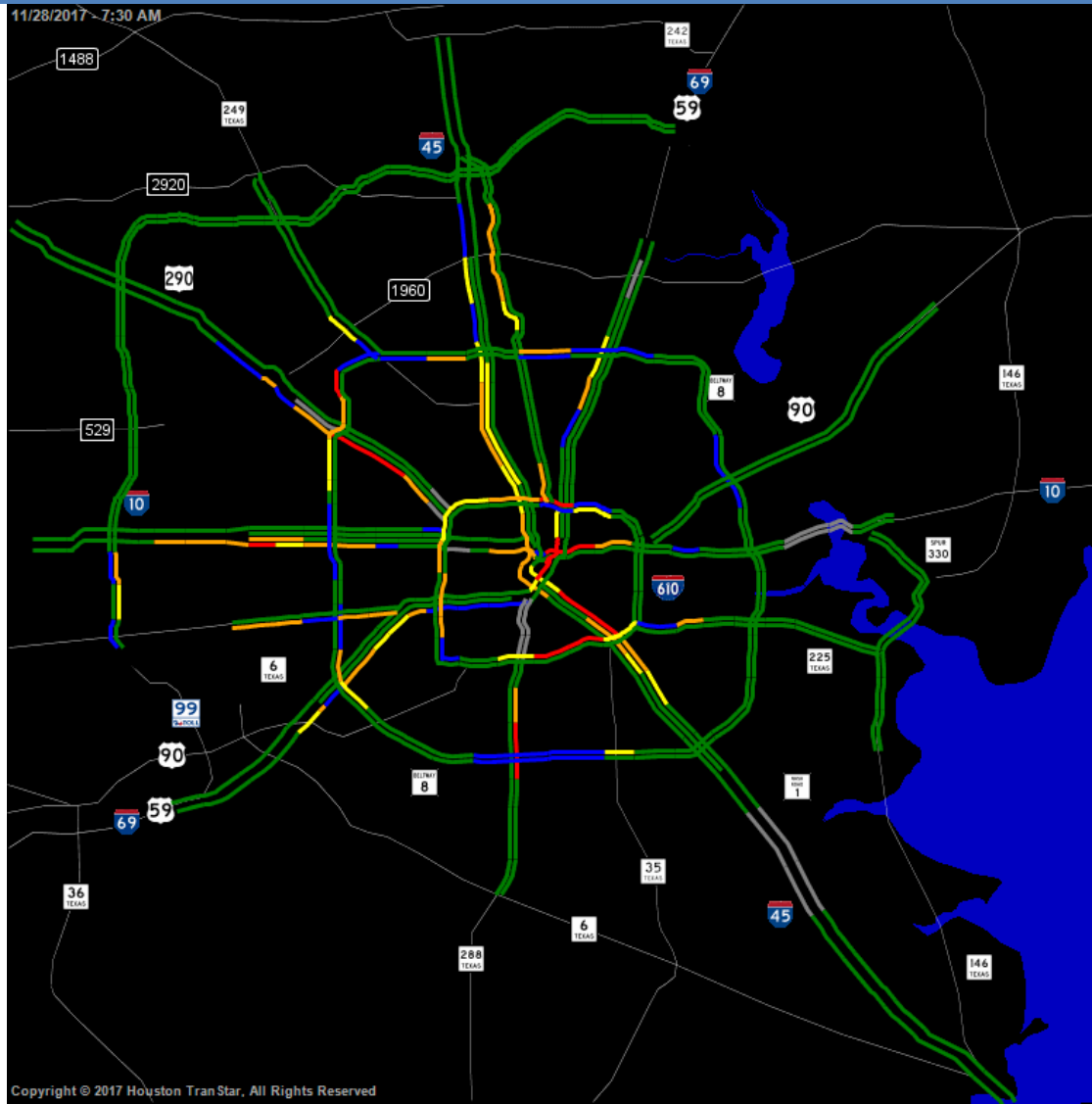
6962100

Flammable

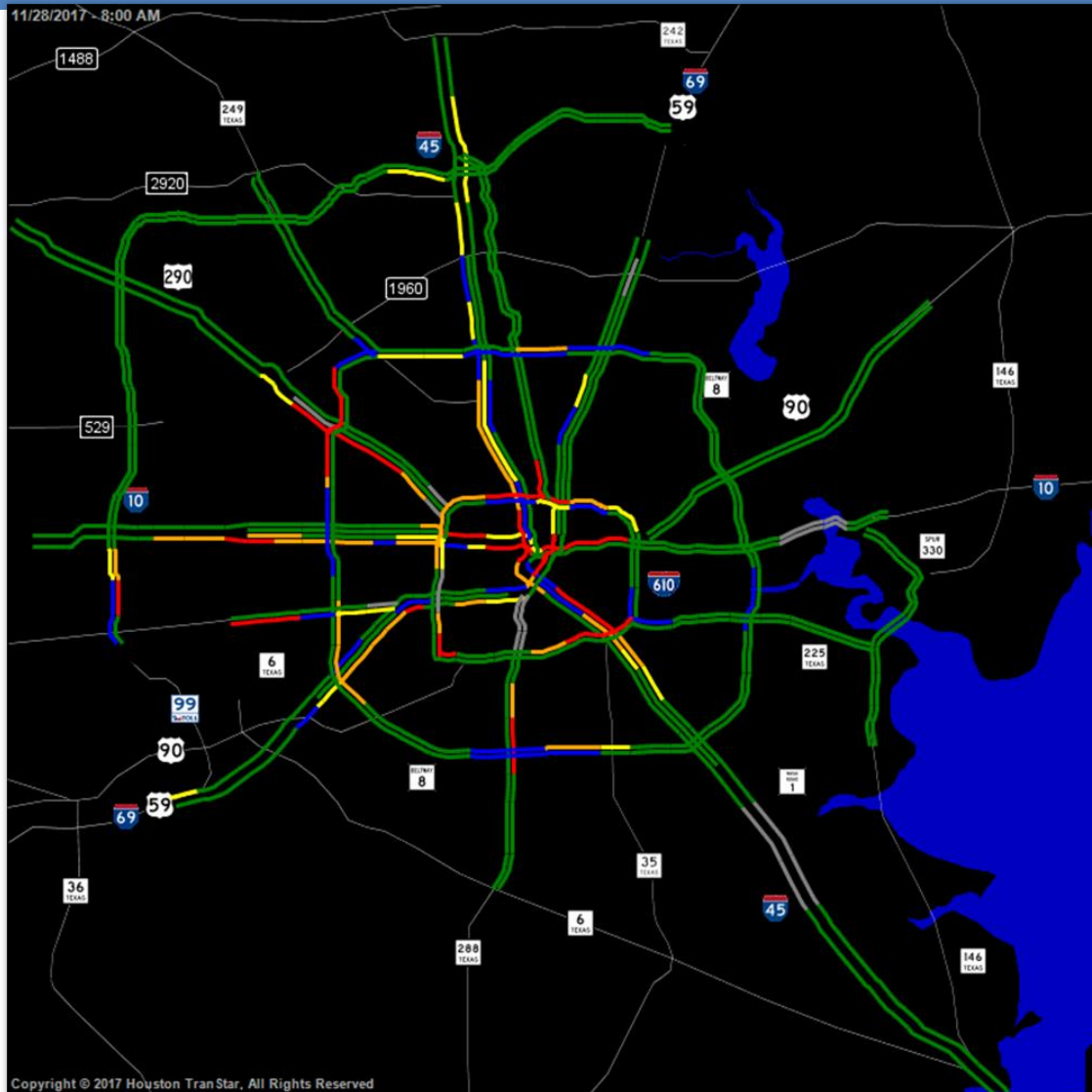
1179

Flammable

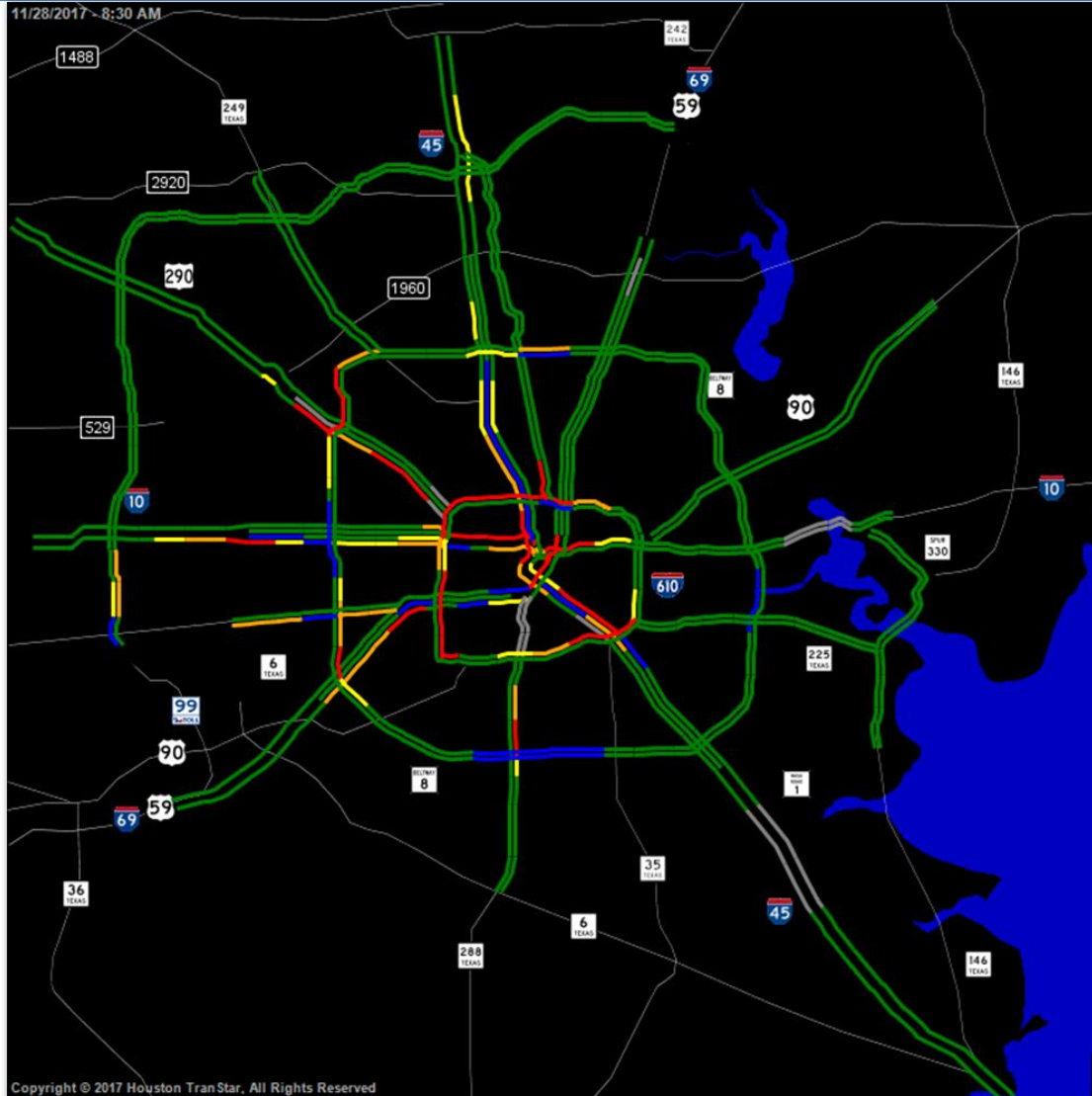
Formic Acid Case Study: 7:30am



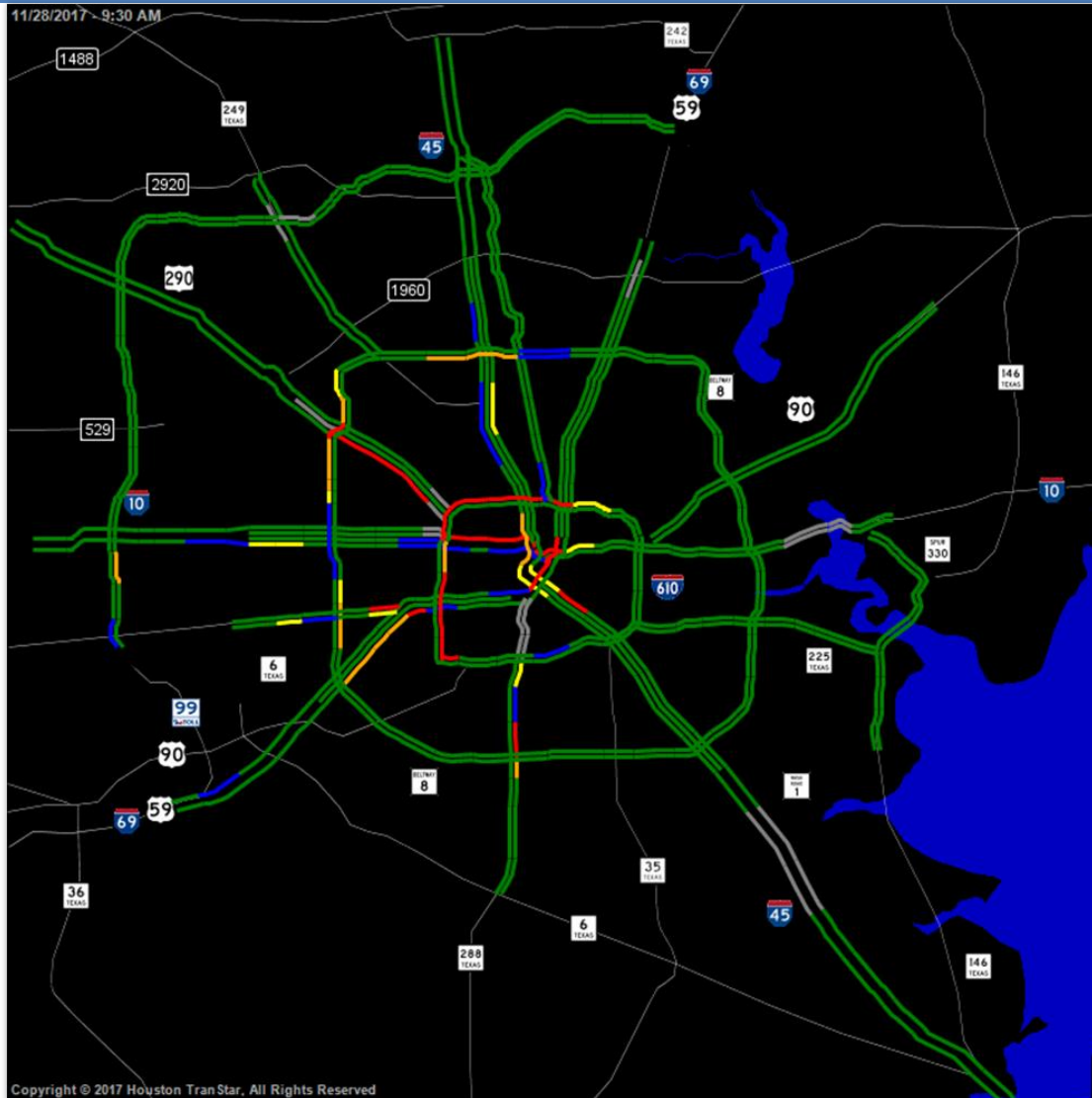
8:00am HFD Haz-Mat Team Arrives



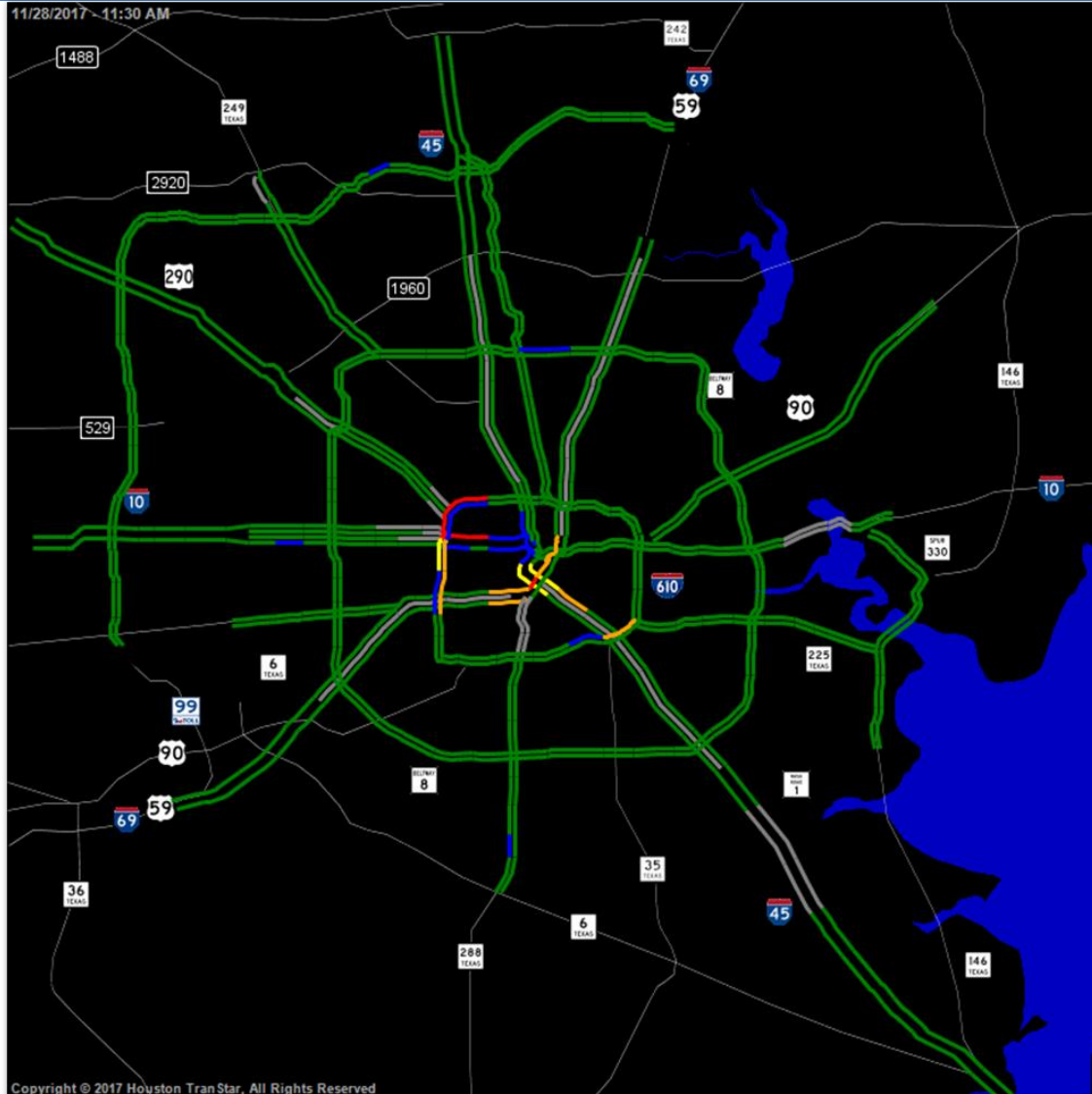
8:30am



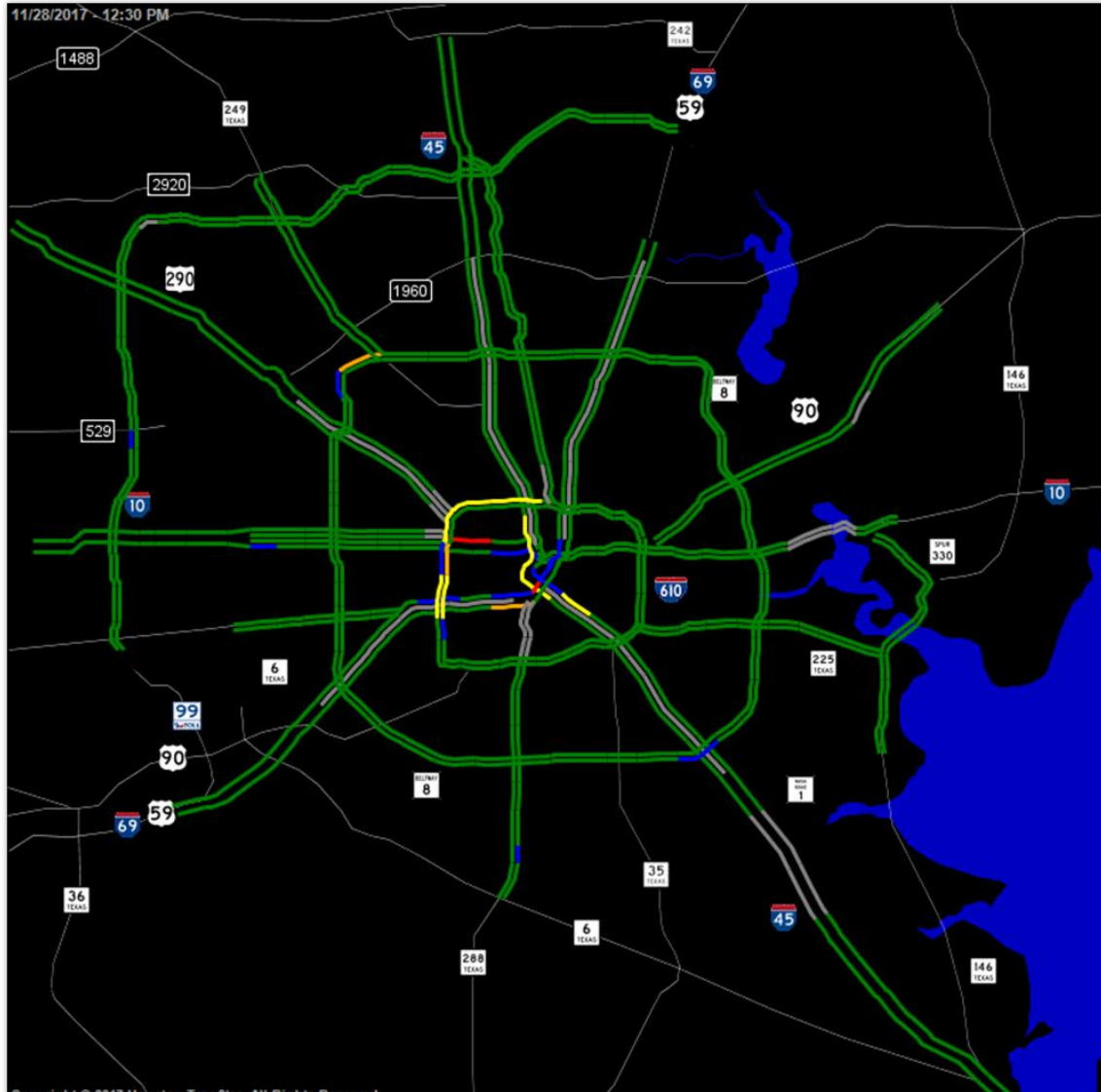
9:30pm Contractor Arrives



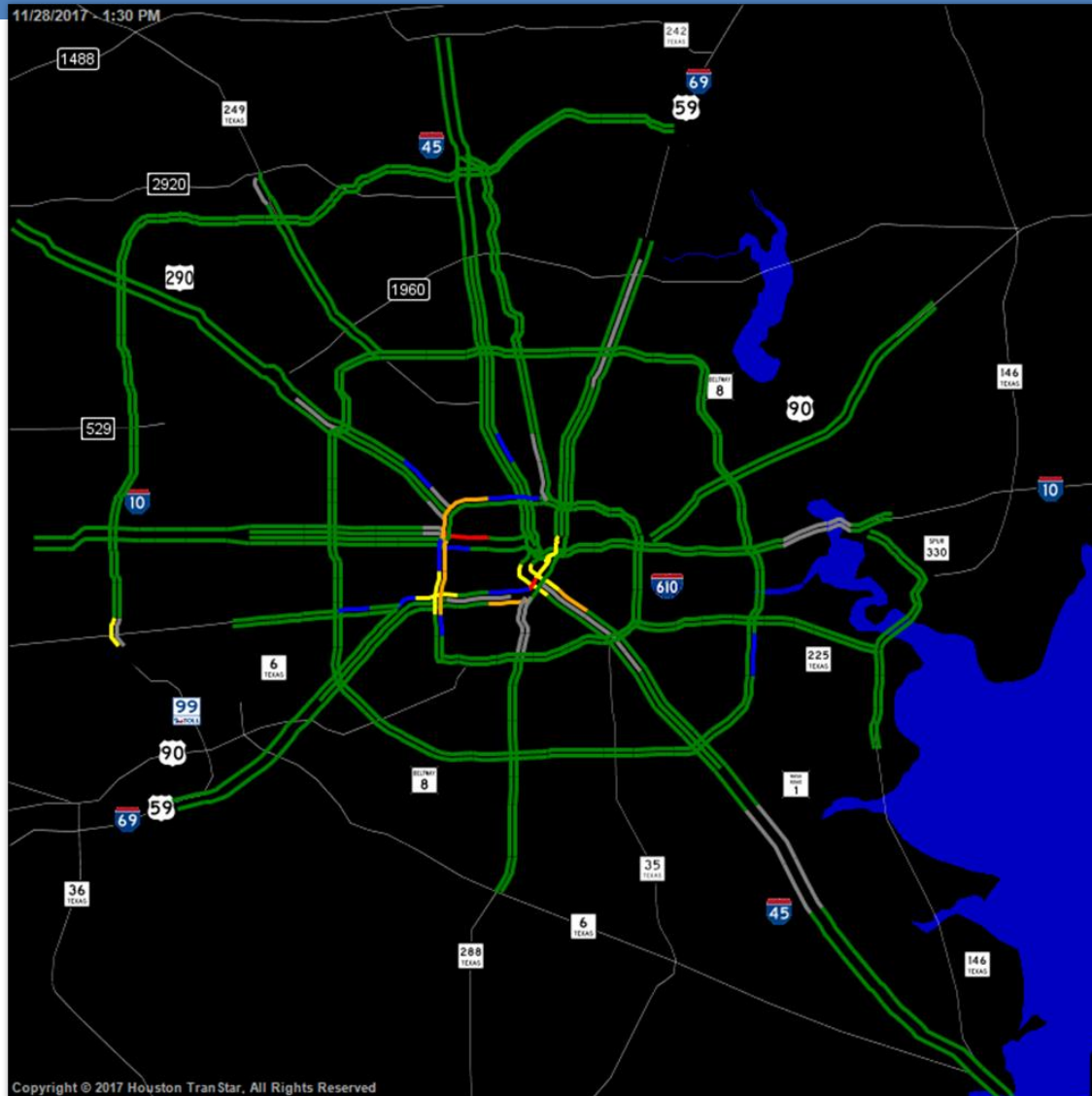
11:30am “Salvage the Product”



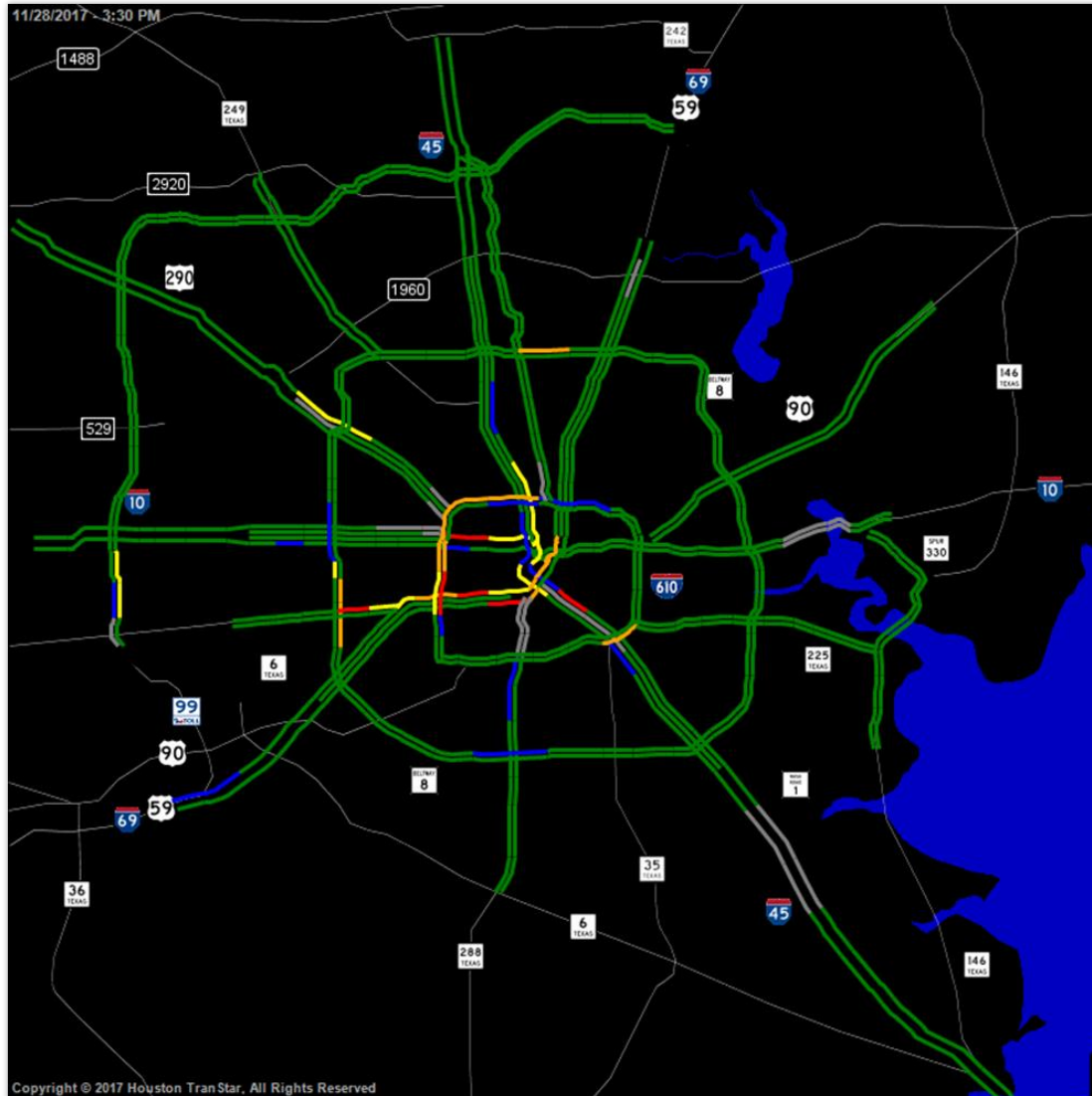
12:30pm Contractor Departs



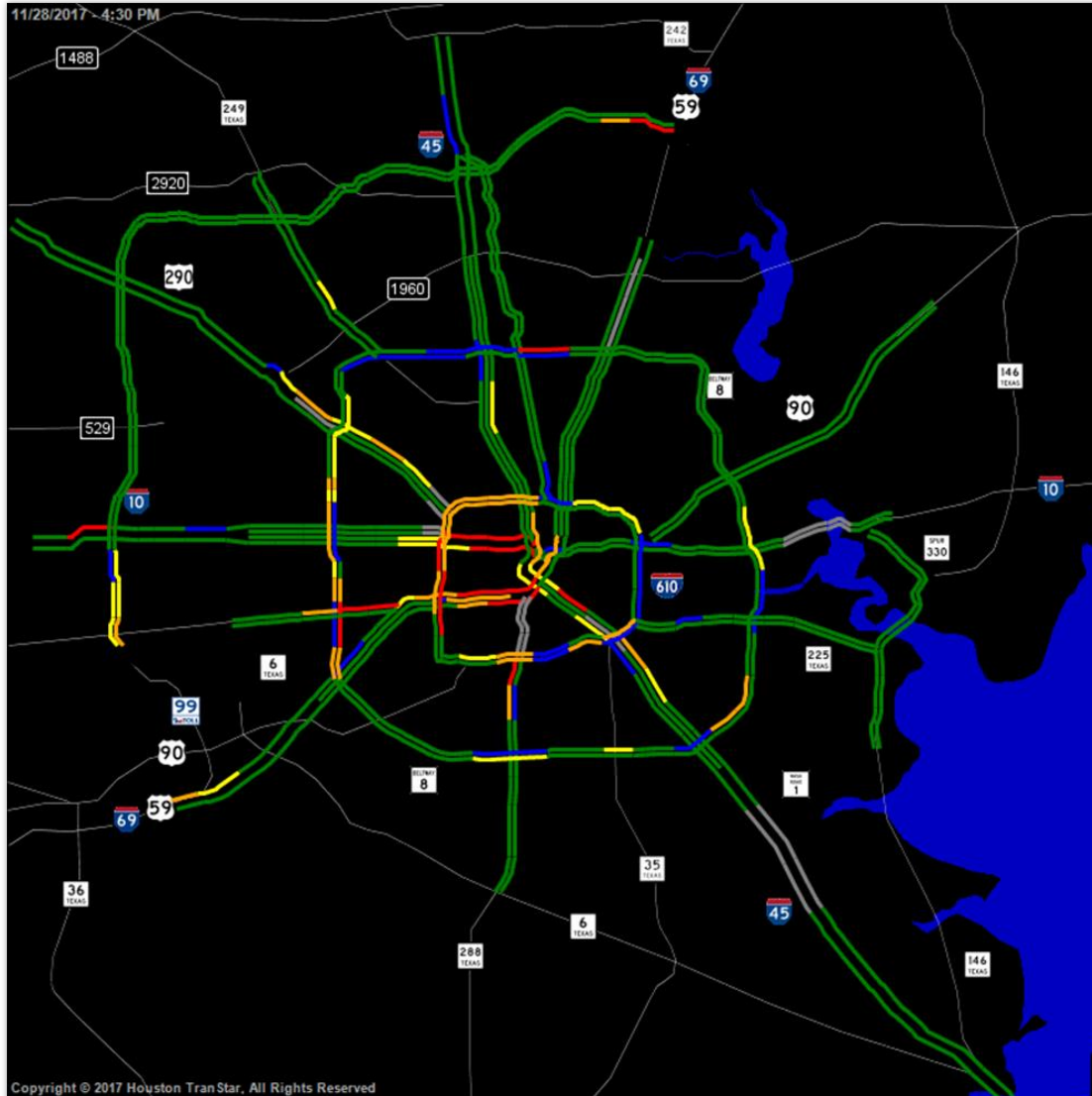
1:30pm LE Sergeant “Going Great!”



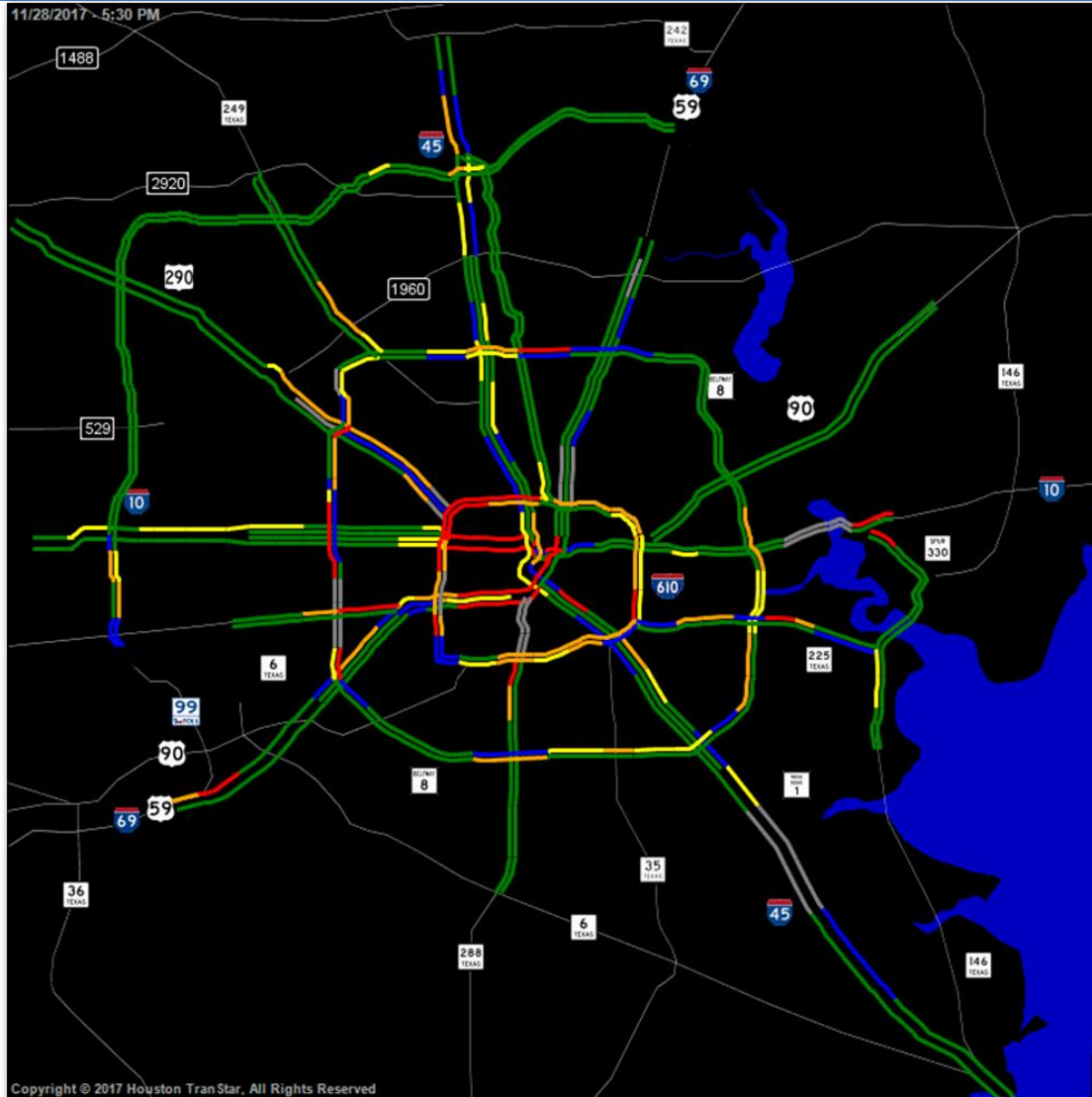
3:30pm Begin Rush Hour



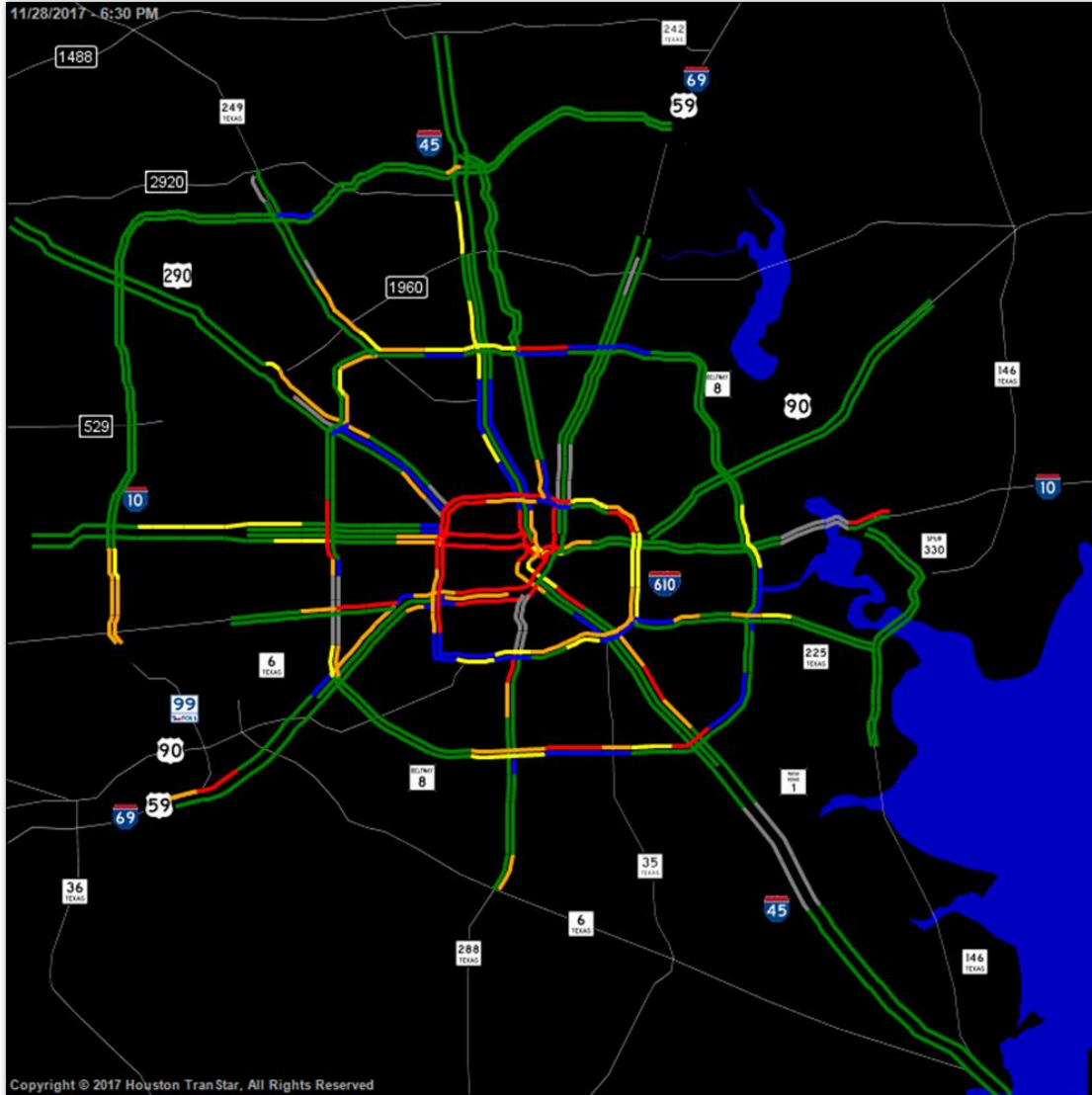
4:30pm Contractor Returns



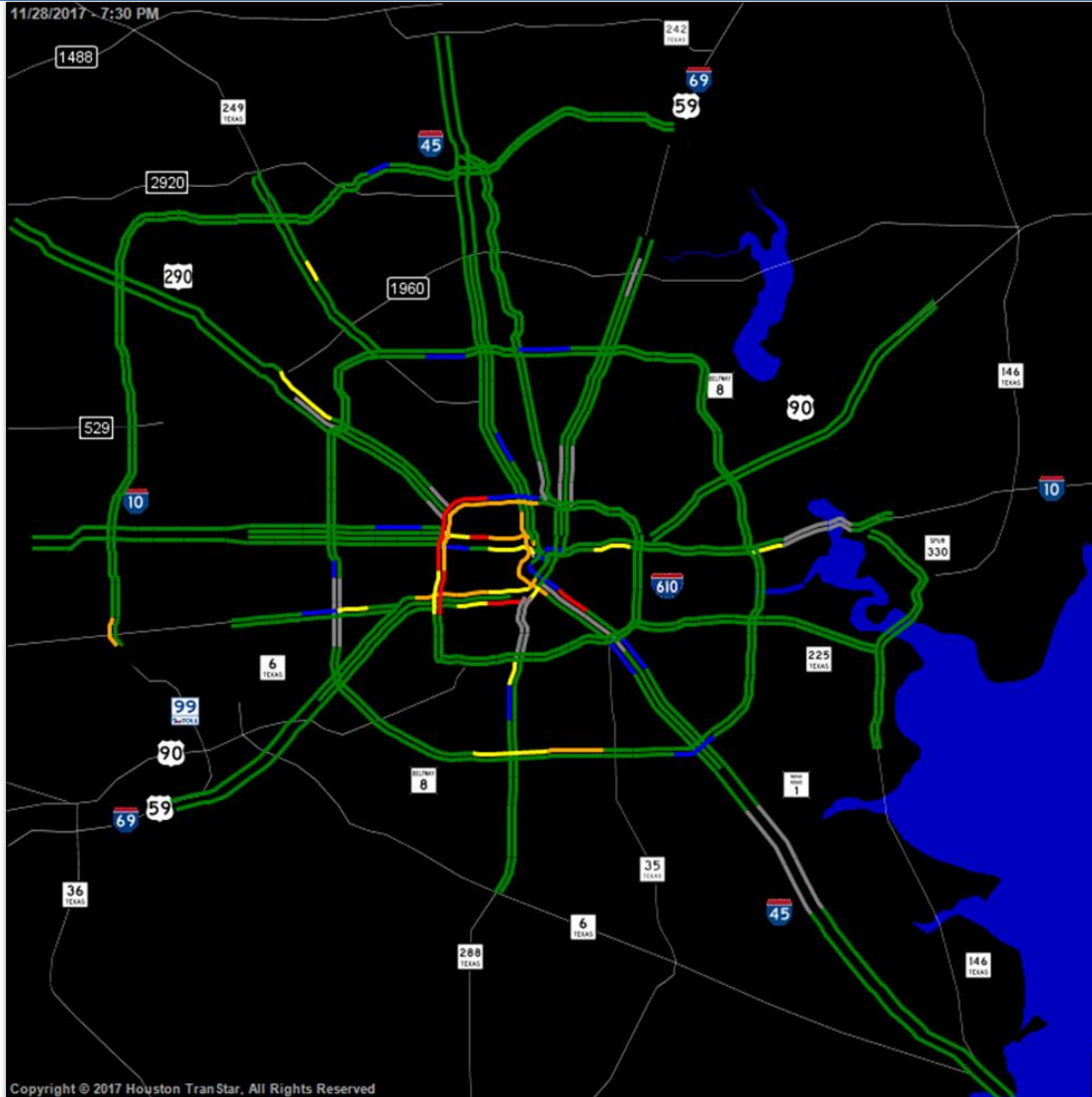
5:30pm “Saving the Product”



6:30pm Incident Clearance



1 hr post incident clearance

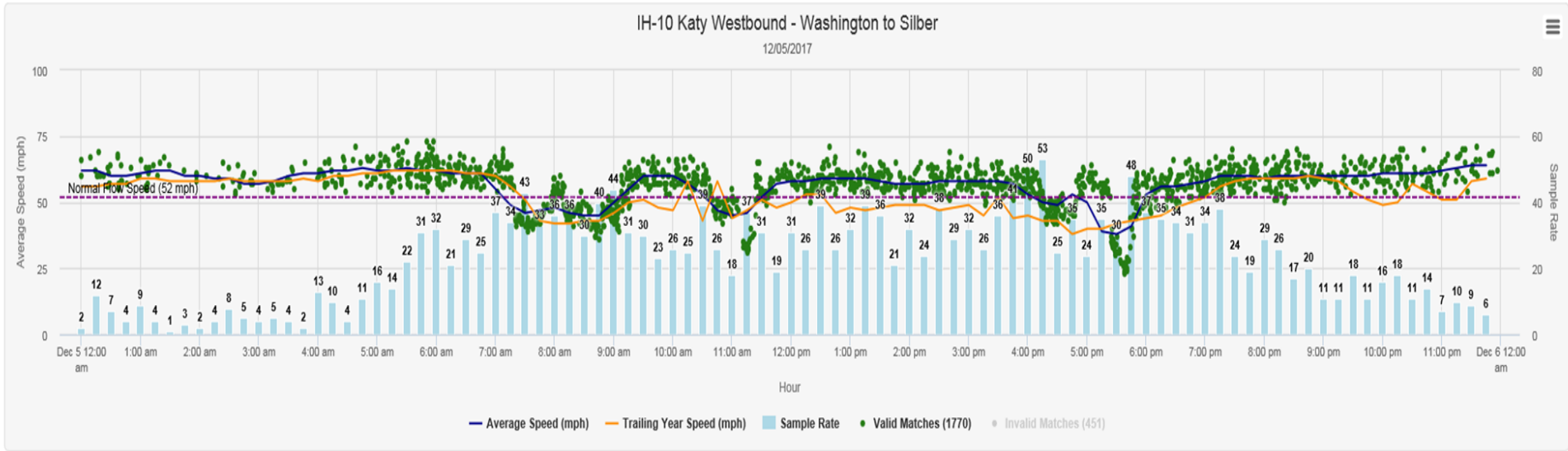


Anonymous Wireless Address Matching for Traffic Information

- CHARTS ▾
- TOOLS ▾
- REPORTS ▾
- REAL-TIME ▾
- DATA EXPORT
- READER STATUS
- API
- ⚙️

MATCHES/SAMPLES/TRAVEL TIMES

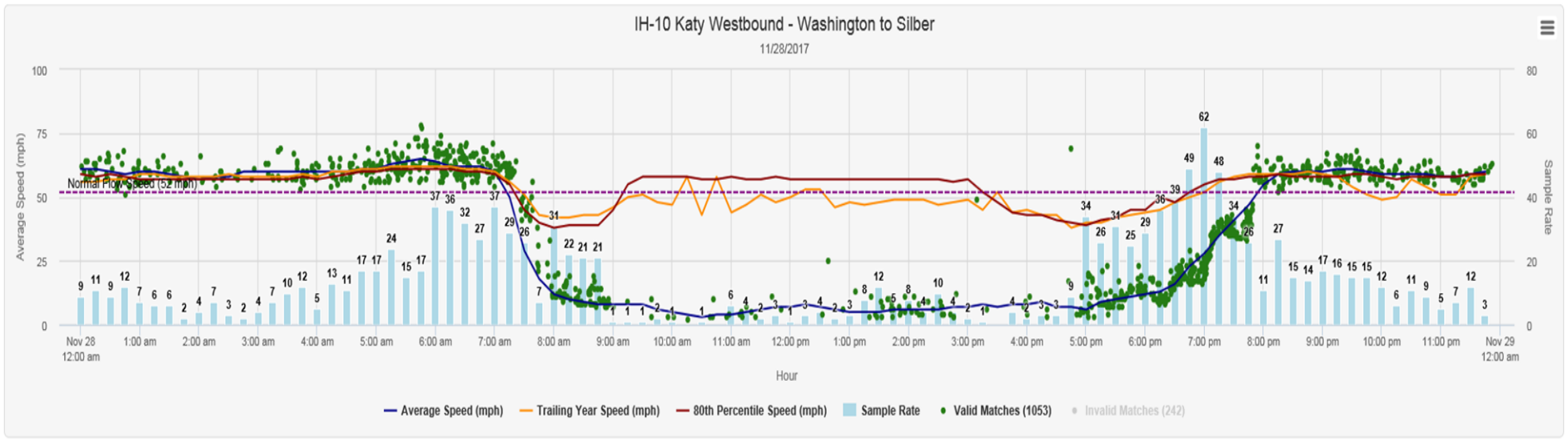
Roadway: IH-10 Katy ▾
Direction: Westbound ▾
Segment: Washington to Silber ▾
Interval: Hourly 15 Minute
Historical Data: Trailing Year ▾
Start Date: Quick Dates
End Date:
Y-Axis: Speed Travel Time
Show Invalid Matches: No Yes
Show Normal Flow: No Yes
Percentiles: ▾



MATCHES/SAMPLES/TRAVEL TIMES

Roadway: IH-10 Katy
Direction: Westbound
Segment: Washington to Silber
Interval: Hourly 15 Minute
Historical Data: Trailing Year

Start Date: 11/28/2017
End Date: 11/28/2017
Y-Axis: Speed Travel Time
Show Invalid Matches: No Yes
Show Normal Flow: No Yes
Percentiles: 80th Percentile



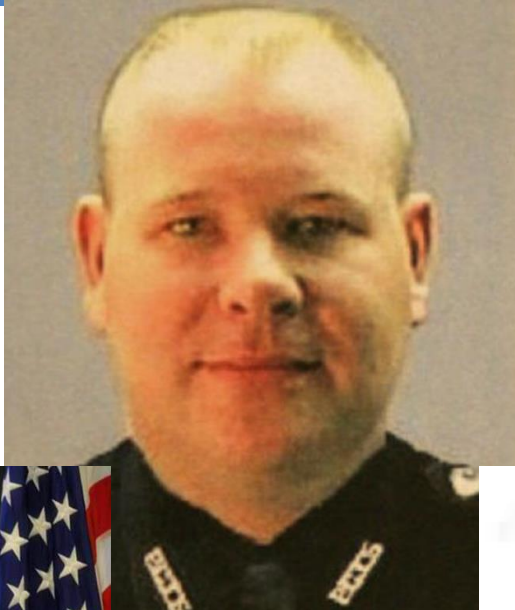
Delay Cost to Traveling Public

TOTAL COST OF THE PRODUCT:

\$150,000.

| | <u>Delay [Veh-hrs]</u> | <u>Dollar Cost</u> |
|--------------------------|------------------------|--------------------|
| I-10 Katy Freeway | 62,173 | \$1,398,893 |
| US 290 Northwest Freeway | 6,466 | \$ 145,474 |
| I-610 West Loop Freeway | 24,433 | \$ 549,743 |
| Katy Managed Lanes | -1,034 | \$ (23,265) |
| GRAND TOTAL | 92,038 | \$2,070,844 |

First Responder Safety and Survival



GOALS → STRATEGY → PERFORMANCE



Change in Behavior

The most
dangerous phrase
in the language is "we've
always done it this way."

Rear Admiral Grace Hopper



HFD TIM Training Program

Support from AC of Training

Train 40 members per day

7 (4 member) Fire Trucks

4 (2 member) EMS vehicles

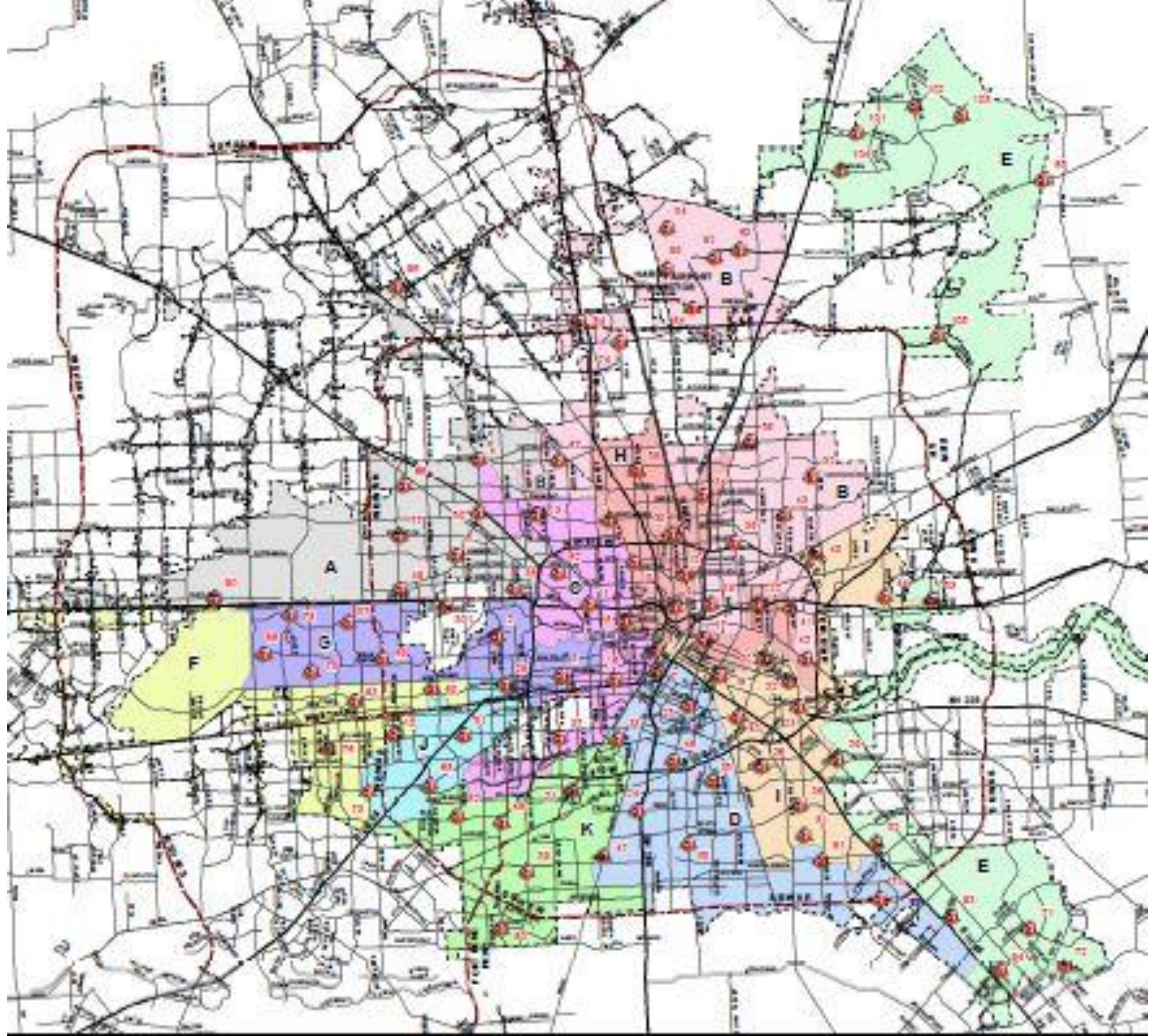
2 (2 member) Supervisor vehicles

Do not cripple one area of the city

Begin Oct 2, 2017 and complete by June 30, 2018

Trained 3652 of 4000 with 4 instructors



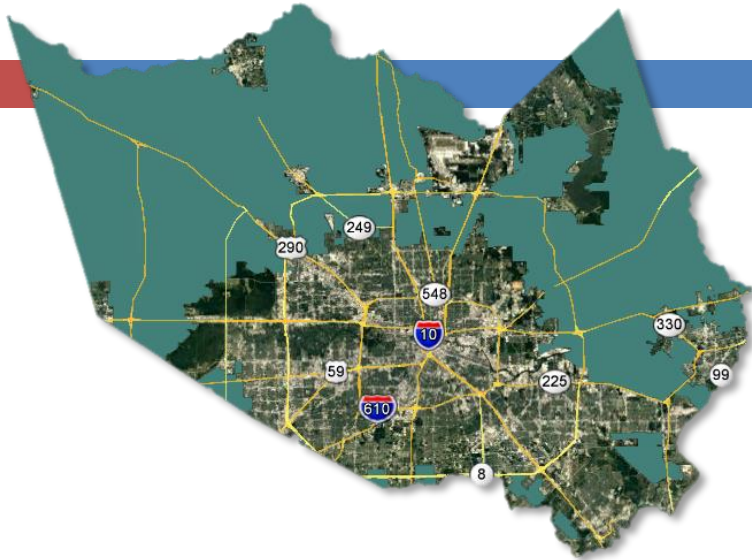


It's all in the numbers

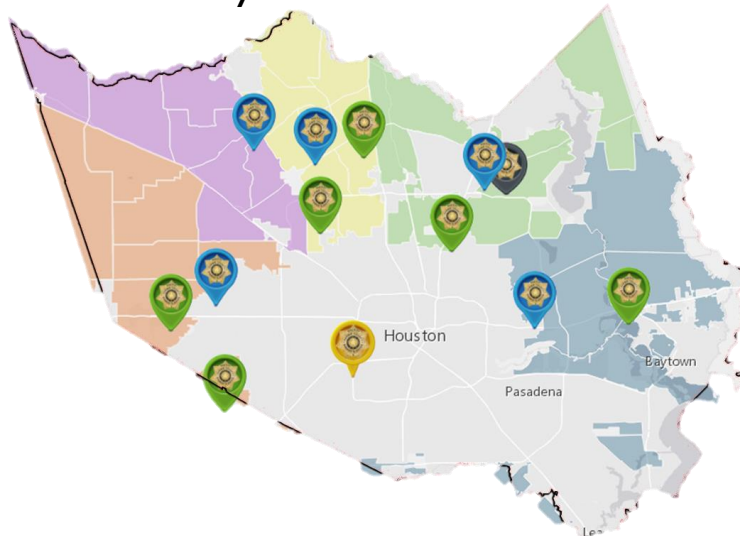
- ❑ TXDOT Houston District: Harris, Montgomery, Waller, Ft. Bend, Brazoria, Galveston
- ❑ Population: 8 Million
- ❑ Registered Vehicles: 5.5 Million
- ❑ Total Daily Miles Driven: 120 Million
- ❑ TXDOT Lane Miles: 11,000
- ❑ Outside COH Harris County Lane Miles: 9,500 w/in 530 sq mi.
- ❑ Other than COH: LE-123, FD-53, Dispatch-39
- ❑ COH Lane Miles: 13,500 w/in 670 sq miles
- ❑ Southwest Hou Daily Vehicle Miles: 12.7 million
- ❑ HFD: 96 FS w/ 900 on duty; 1000 calls per day, 28% are MVA
- ❑ HPD: 5400 members, 2500 on patrol



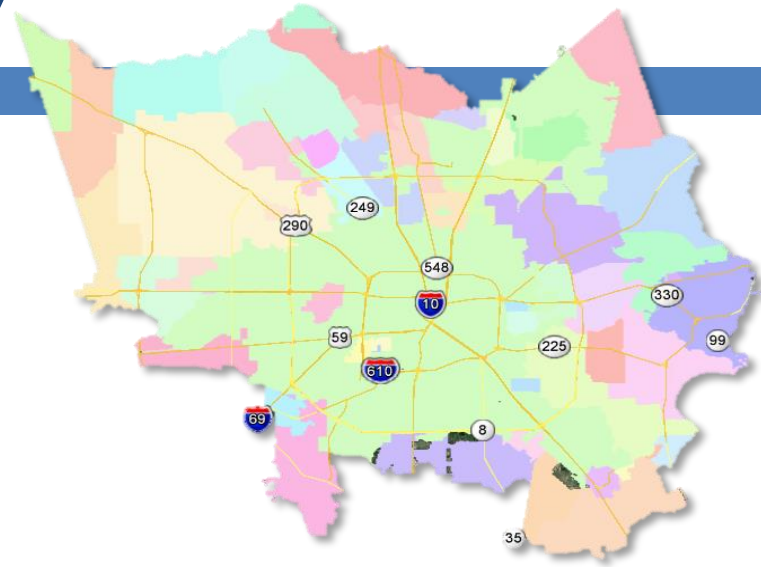
Lines of Authority



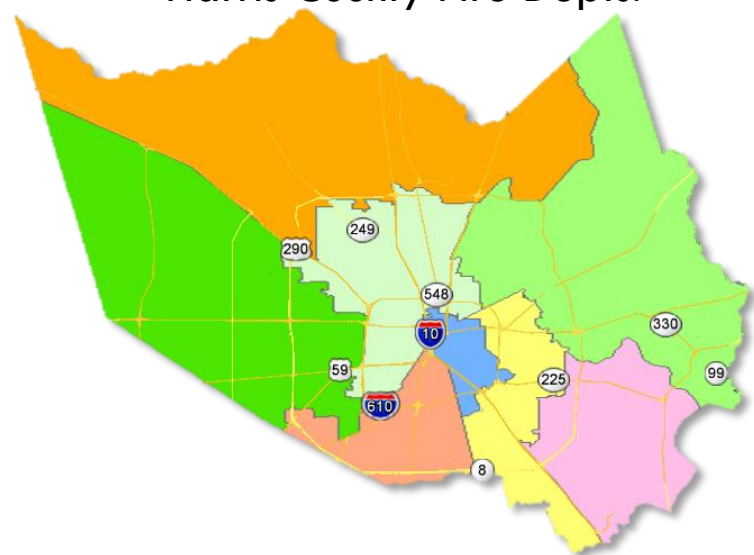
Harris County Fire Marshal's Office



Harris County Sheriff's Office



Harris County Fire Depts.



Harris County Constables



Key Success

- HGAC: MPO Support
- TXDOT Support
- Wrecker Association Support
- HCTRA Support
- HFD Support
- Legislative Support: Driver Removal-Trans Code & Penal Code; 1 + Lane
- TCFP 4-Hour TIM course completion by Dec 2020

- It's All About Relationships



Struggles

- Law Enforcement: Investigations, Shift Changes, Boundaries
- Clean-up Contractors: Saving the Product
- Legislative Support: HVSA and TIM Course requirement for other First Responders

- Unified Command



Questions



Thank YOU for YOUR Time!

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