

2019 Houston TranStar Annual Report



2019 Activity Highlights

112,726 incidents captured in RIMS in 2019

- Up 9.6% from 2018
- Average clearance time of 28.7 min, down from 30.6 min

City of Houston & Harris County - centralized traffic signal control

Light Rail Dispatch moved to TranStar

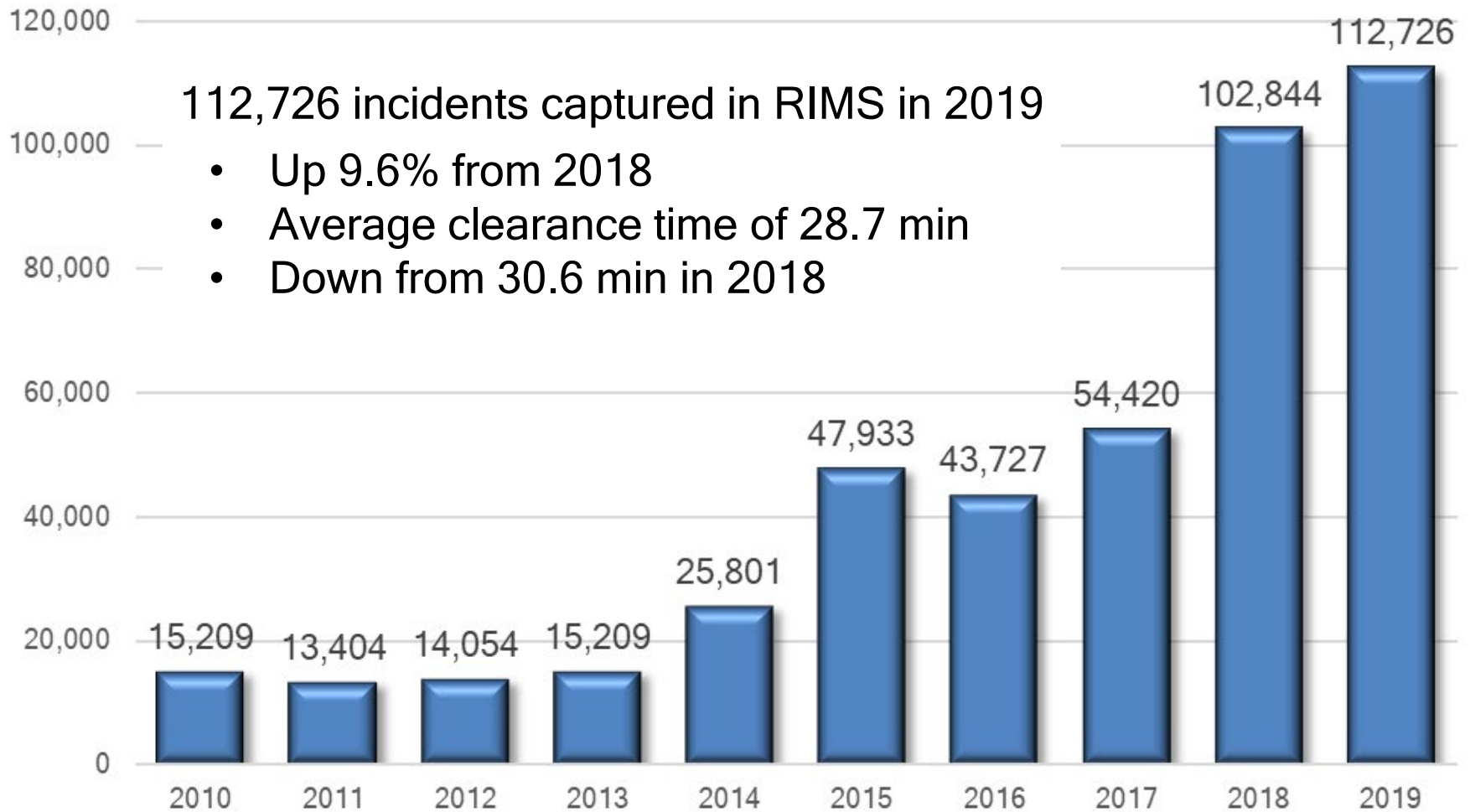
TxDOT expanded IH-69 coverage in Fort Bend through Rosenberg

Key HCOHSEM Activations:

- Chemical Plant Fires (ITC, KMCO, Exxon-Mobil)
- May 9th Storm (Flooding in Kingwood, Spring, & Friendswood)
- Tropical Storm Imelda (September)
- World Series (October)



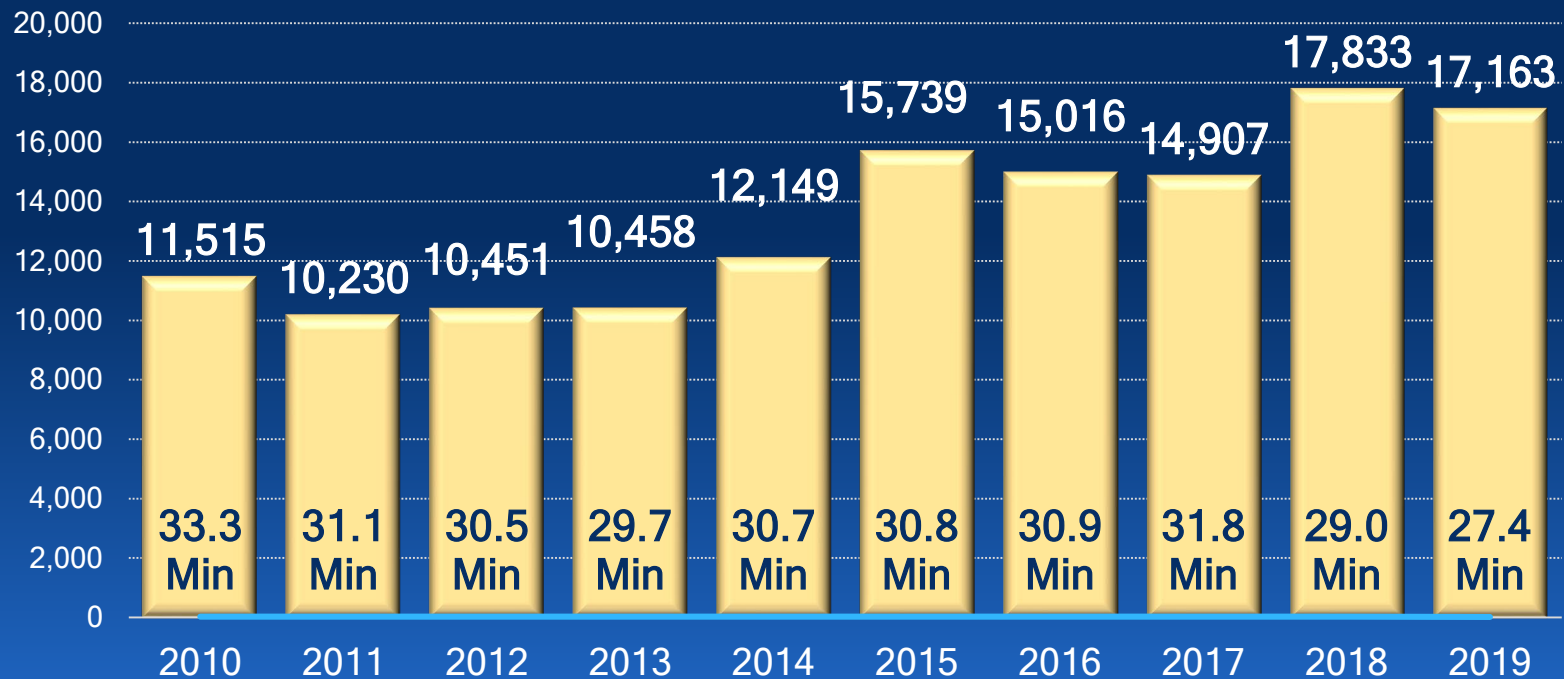
RIMS Entered Incidents, 2010-2019



Crash/Accident Clearance

- 17,163 Crashes/Accidents in 2019 (3.8 percent decrease from 2018)
- Average Clearance Time in 2019 - 27.4 minutes (29.0 in 2018)

Annual Crashes and Clearance Times (as reported in RIMS)



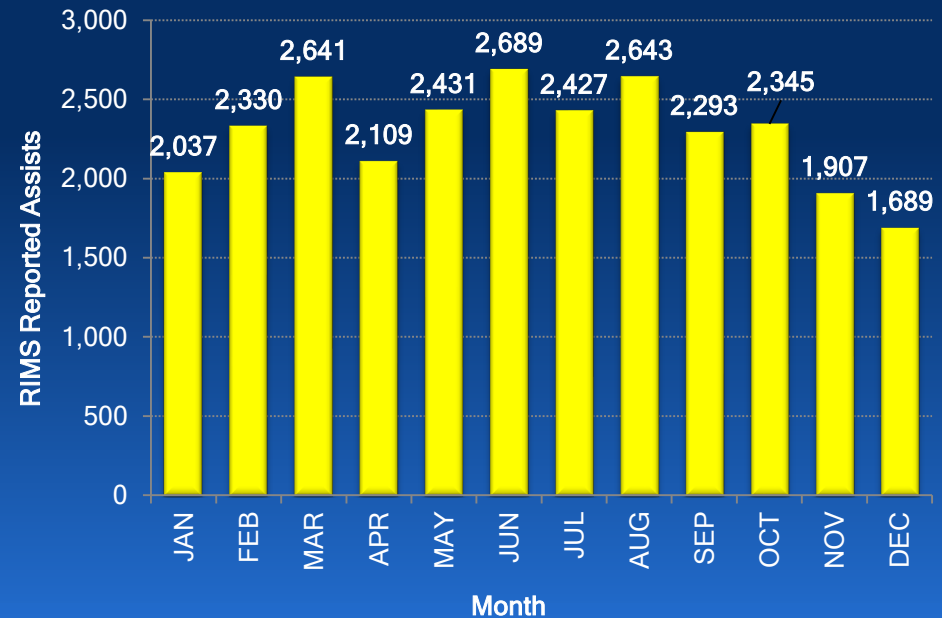
Motorist Assistance Program

- HCSO MAP - 27,414 total assists (down 7.9% from 2018)
- Reinstatement of SAFEClear/Tow and Go
- MAP conducting more incident scene management activities

MAP Program Assists by Year (As Reported from RIMS)

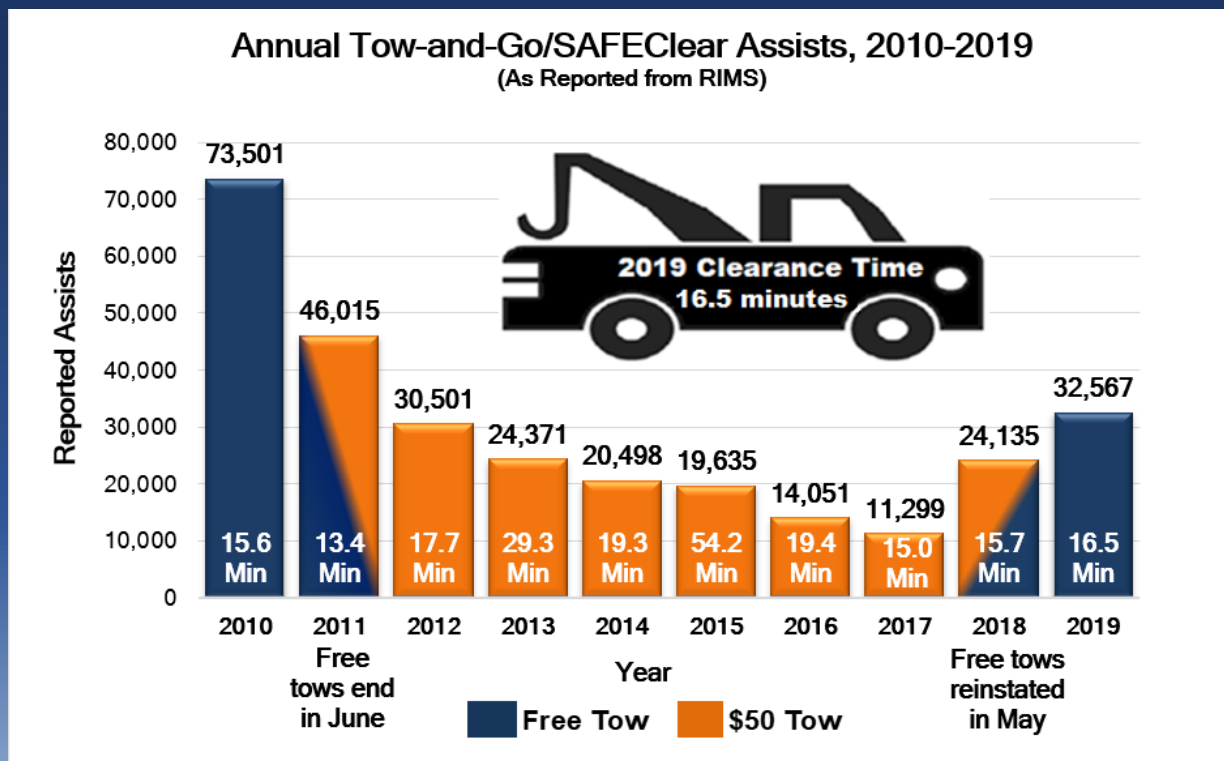


MAP Assists by Month, 2019



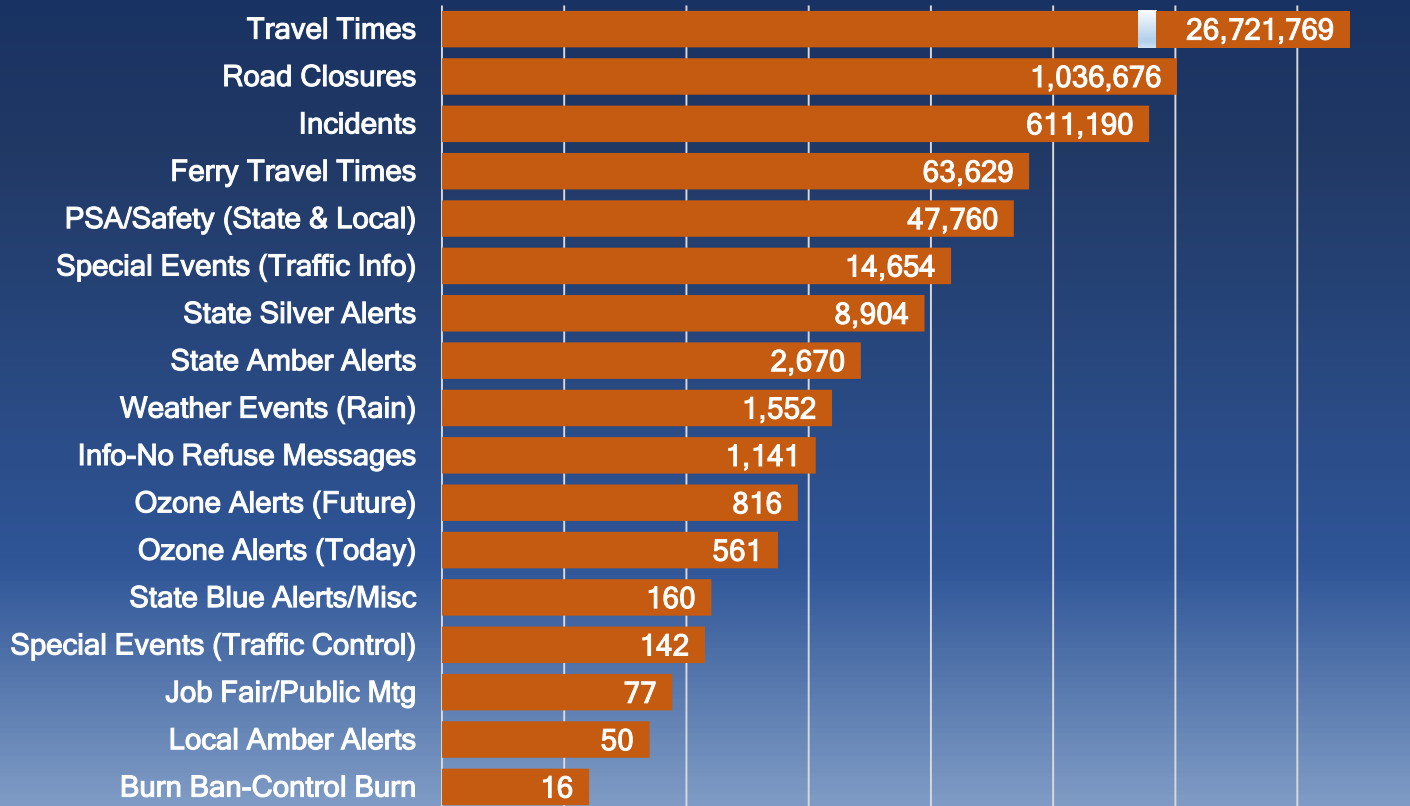
Tow and Go (SAFEClear)

- 32,567 programmatic (free-tow) assists in 2019
- Average 16.5 minute clearance time - up from 15.7 minutes in 2018
- 25,000 additional tows involving arrangement between patron and tow operator



DMS Messaging, 2019

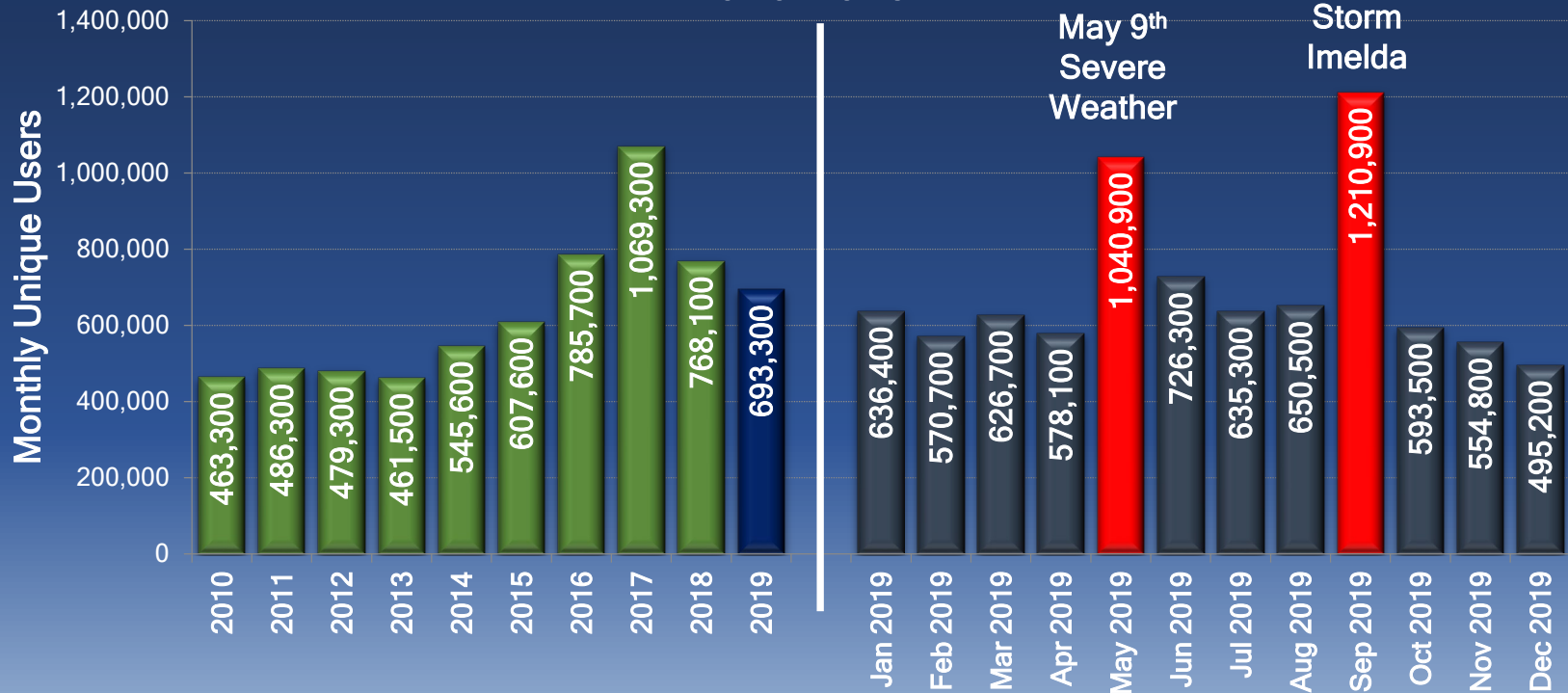
- Posted 28.5 million messages (down from 30.1 million in 2018)
- Road Closure postings up 31.6 percent; Incident postings down 13.4 percent
- System changes impacting the number of messages posted



Houston TranStar Website

- Average monthly unique users at 693,300; down 9.7% from 2018
- 310 million CCTV views, up 29.0% from 2018
- Over 54,100 WebApp Installations in 2019 (up from 32,300 in 2018)

Houston TranStar Website Unique Users 2010-2019



How Are TranStar's Benefits Calculated?

- Estimate impact of Center on:
 - Mobility (primarily freeway & tollway)
 - Travel time & delay
 - Energy and environmental benefits
- Uses both quantitative and qualitative measures
- Most sensitive to:
 - Vehicle-miles traveled (↑)
 - Value of Motorist Time (↑)
 - Fuel Price (↑)
 - Speed (↓)



Estimated TranStar Benefits

\$546.1 million in user cost & fuel savings

- 19.2 million vehicle-hours of delay
- 35.9 million gallons of fuel

\$25.0 million annualized cost

2019 B/C ratio = 21.8 (2017 = 20.5)

Key Factors for Increase

- Value of Time increased
- Amortized capital costs (10-year) fell off books
- Fewer expenditures on additional infrastructure in recent years

TranStar's Lifetime Benefit - \$7.1 billion in savings to Houston motorists

Houston TranStar Benefit/Cost Ratios 2010-2019



Questions?