

2020 Houston TranStar Annual Report



2020 Activity Highlights

A unique year (to say the least)

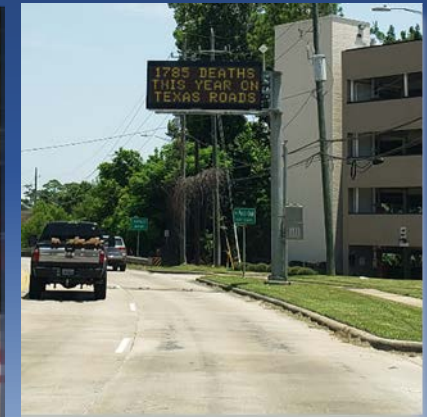
HCOHSEM

- COVID Activation in March (and still on-going)
- Vaccines, food distribution, mask provision
- Threats by Hurricanes Laura, Marco, Delta & TS Beta



• COH Traffic

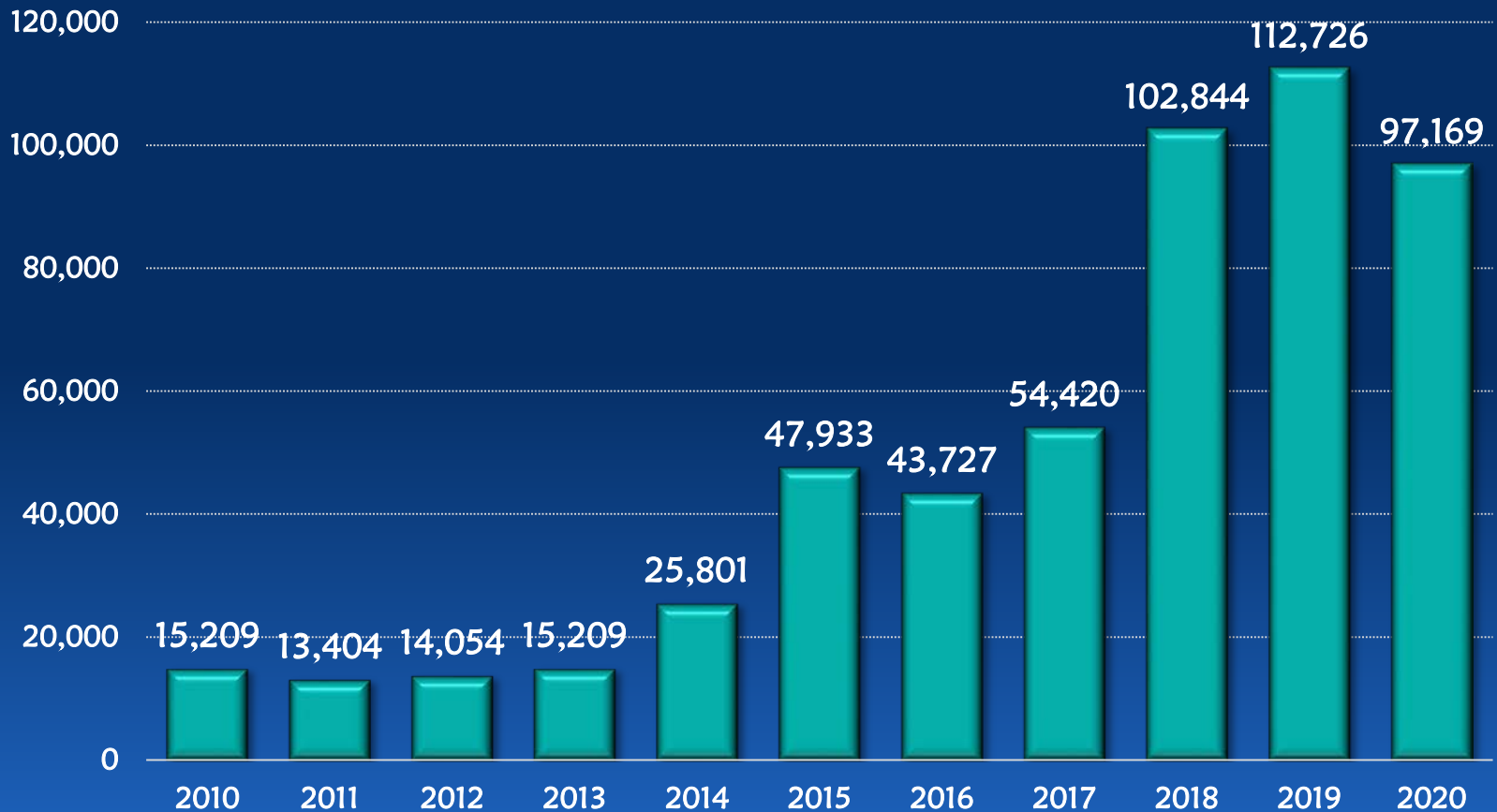
- LTE/5G Communications & Adaptive Traffic Control
- Harris County Traffic
 - Flashing Yellow Arrows & LED Traffic Signal Replacement
- METRO – Silver Line - Bus Rapid Transit



- TxDOT – Expanded ITS on SH 6, I-69, and SH 279

RIMS Entered Incidents, 2010-2020

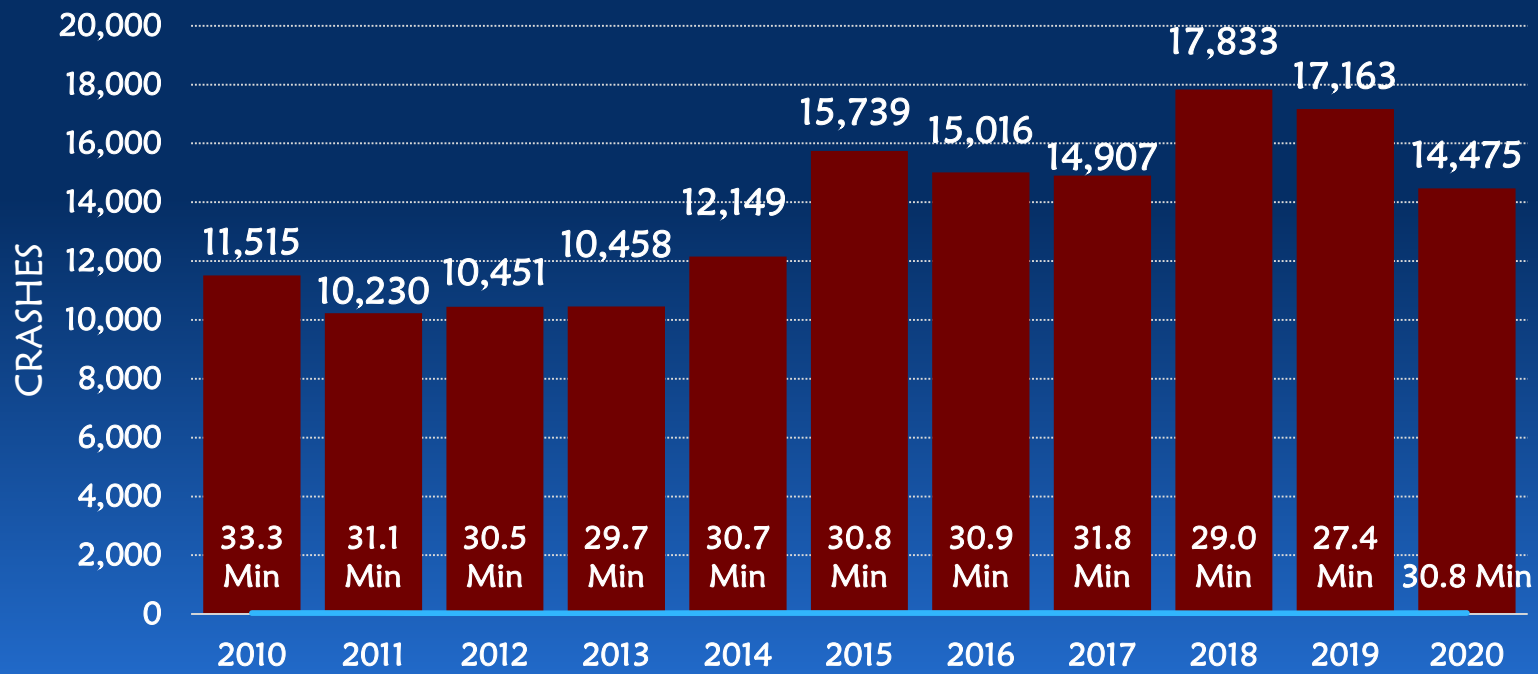
(97,169 incidents in 2020 (down 13.8 % from 2019))



Crash/Accident Clearance

- 14,475 Crashes/Accidents in 2020 (15.7 percent decrease from 2019)
- Average Clearance Time in 2020 – 30.8 minutes (27.4 in 2019)
- Regionally - Fatalities up 12.6%; Serious Injuries up 2.0%

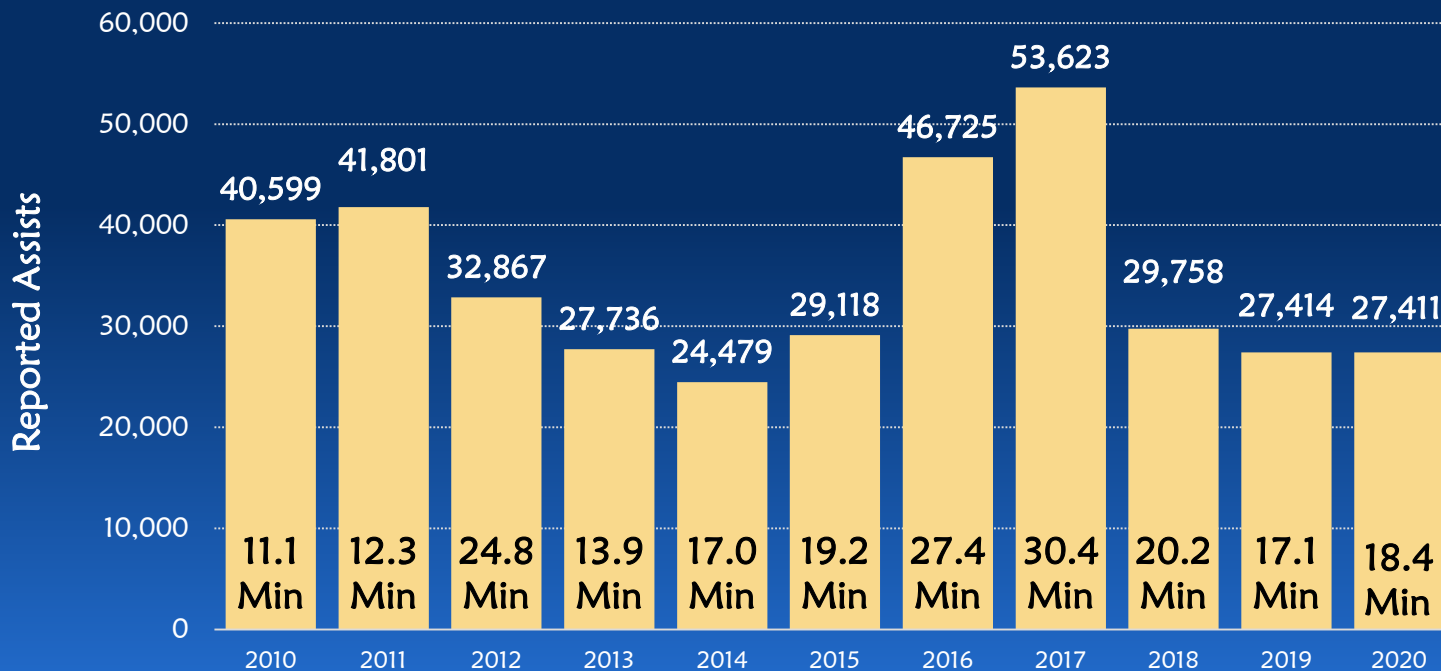
Annual Crashes and Clearance Times



Motorist Assistance Program

- HCSO MAP – 27,411 total assists (27,414 in 2019)
- Expansion of program to 24 hours a day, Monday-Friday
- With Tow-And-Go expansion in County, more focus on scene management

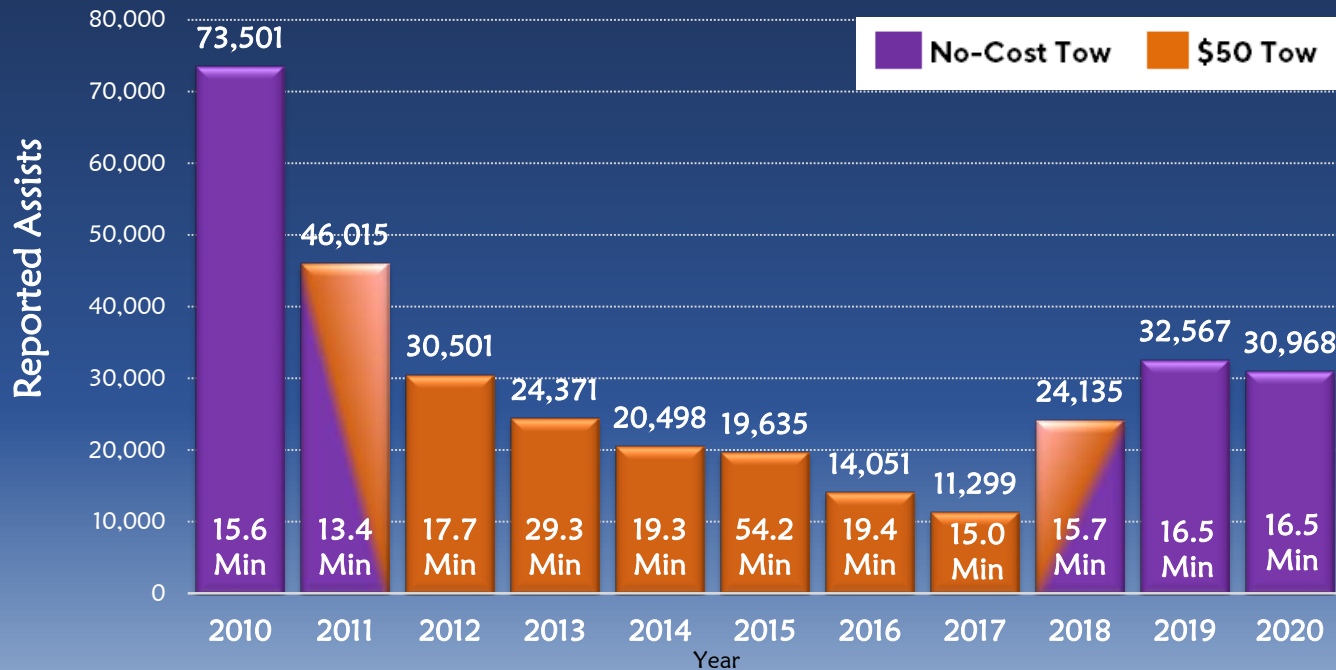
MAP Program Assists by Year



Tow and Go (SAFEClear)

- 30,968 programmatic (free-tow) assists in 2020 (Down 4.9% from 2019)
- Average 16.5 minute clearance time – Same as 2019
- Program expanded into parts of Harris County in 2020

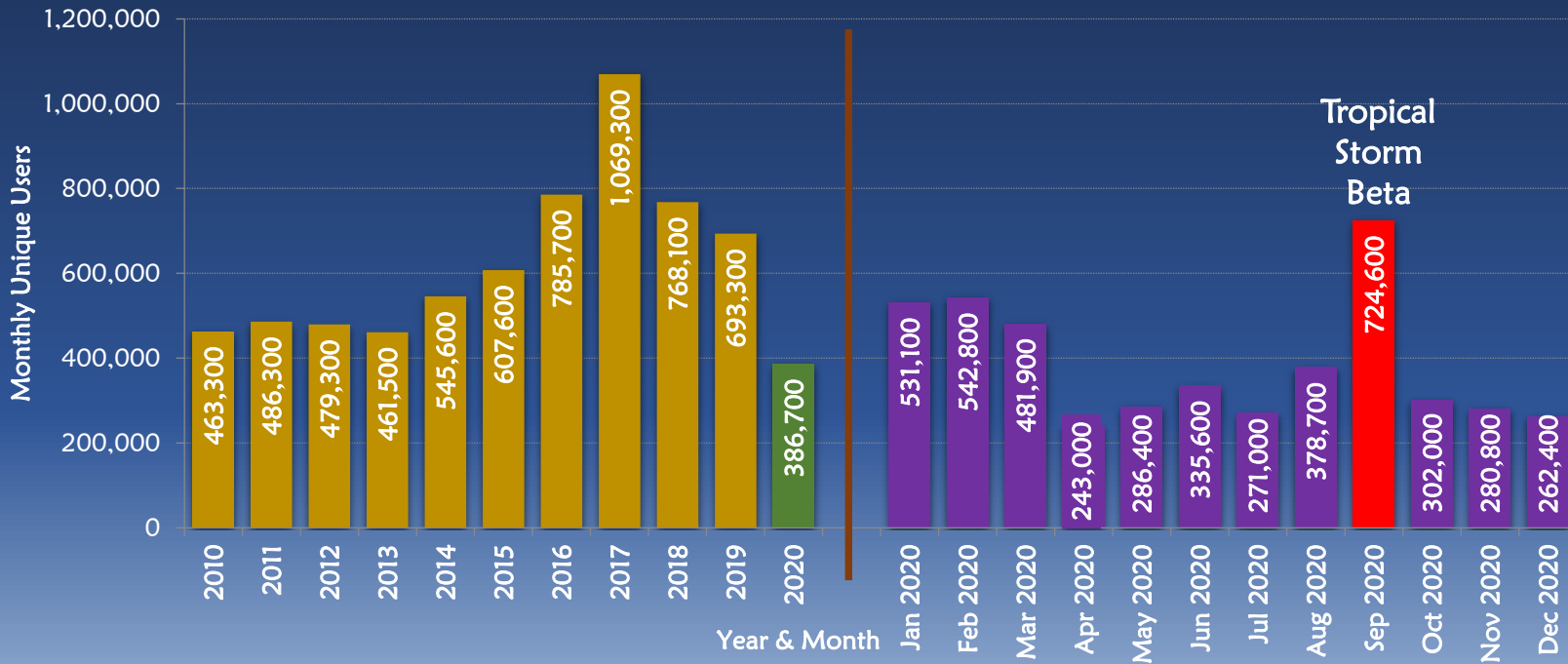
ANNUAL TOW-AND-GO/SAFECLEAR ASSISTS, 2010-2020



Houston TranStar Website

- Average monthly unique users at 386,700; down 44.2% from 2019
- 161 million CCTV views, down 48.1% from 2019
- Over 23,281 WebApp Installations in 2020 (down 56.8% from 2019)

Houston TranStar Website Unique Users
2010-2020



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

\$193.8 million in user cost & fuel savings

6.9 million vehicle-hours of delay

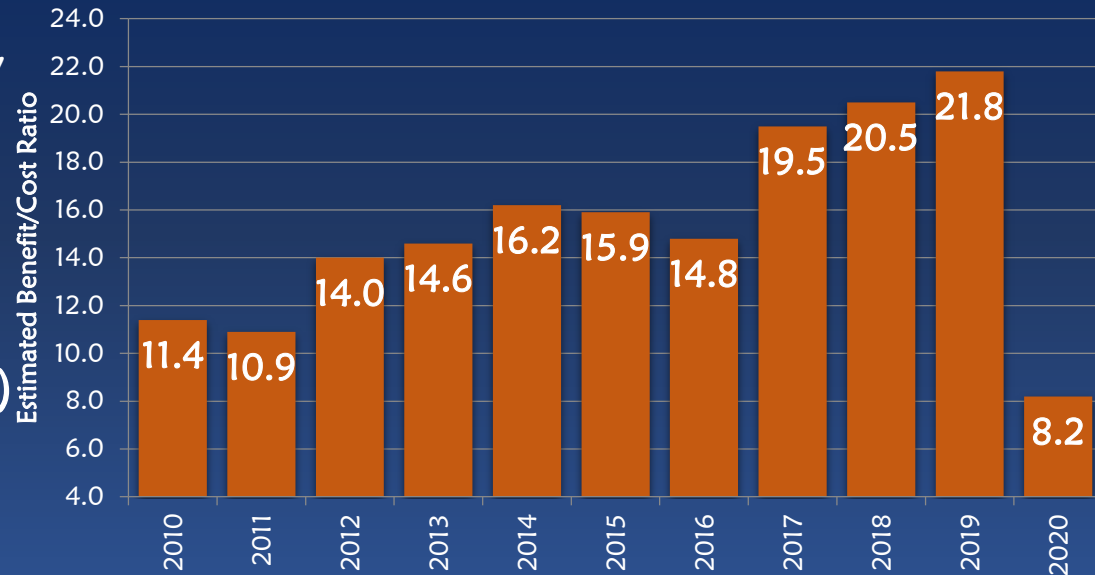
13.0 million gallons of fuel

\$23.6 million annualized cost

2020 B/C ratio = 8.2 (2019 = 21.8)

TranStar Lifetime Benefit = \$7.3 billion

TranStar Benefit/Cost Ratios 2010-2020



Key Factors for Decrease

- Less traffic – faster speeds and less delay
- Faster speeds – less fuel burned in slow and stopped traffic
- Decrease in price of fuel – value of gas saved lower
- Older projects fully depreciated – no longer included in annual cost calculations

Questions?