



Joshua Shideler

Public Information Officer

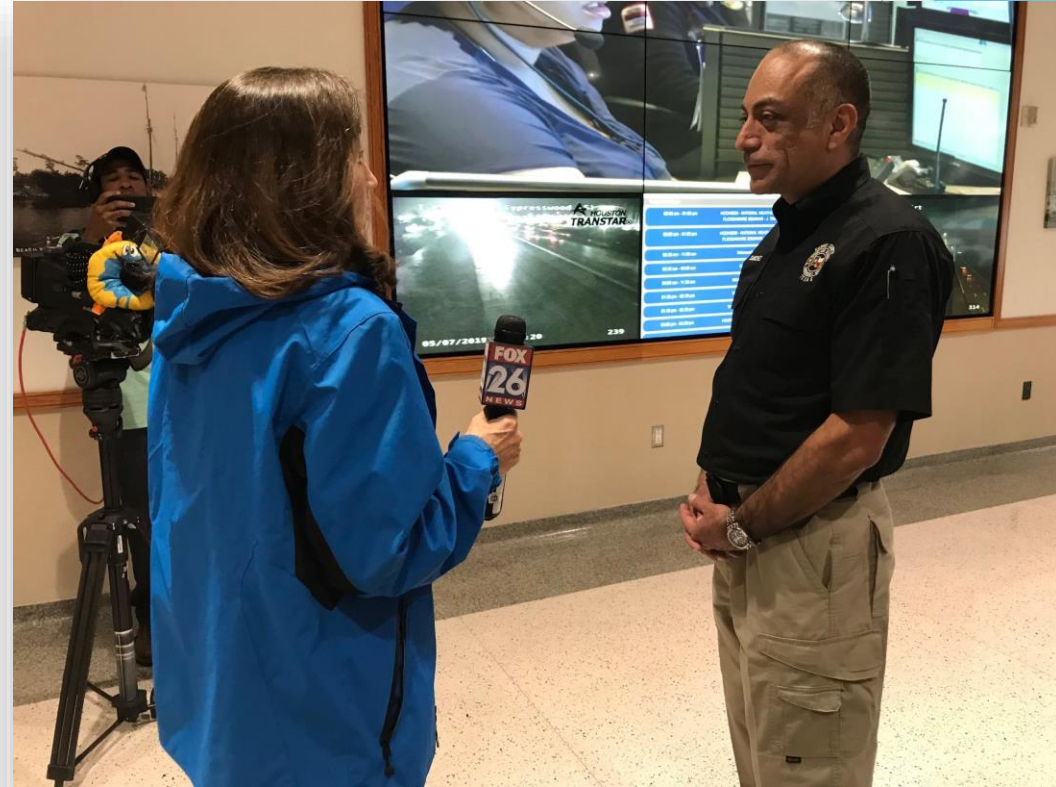
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713.881.3044



# Where have you seen TranStar?

Media Conferences from Houston TranStar's Lobby



# Where have you seen TranStar?

Daily Traffic Reports, Local News Stations



# What is Houston TranStar?

Created in 1993 to leverage and synthesize data and resources for the benefit of the public and first responders.

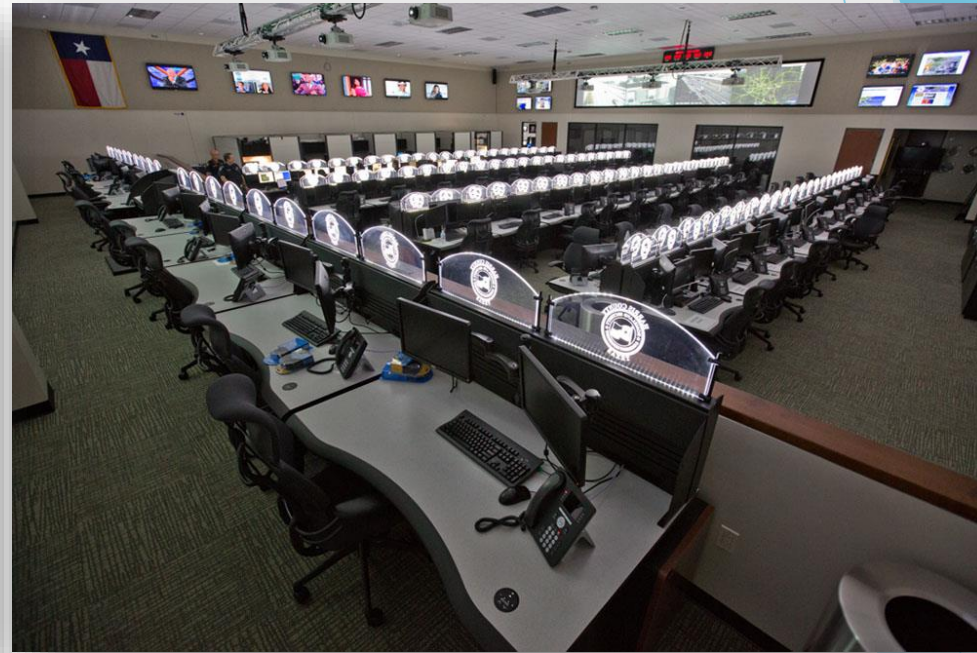


# Houston TranStar's Dual Mission

Transportation Management



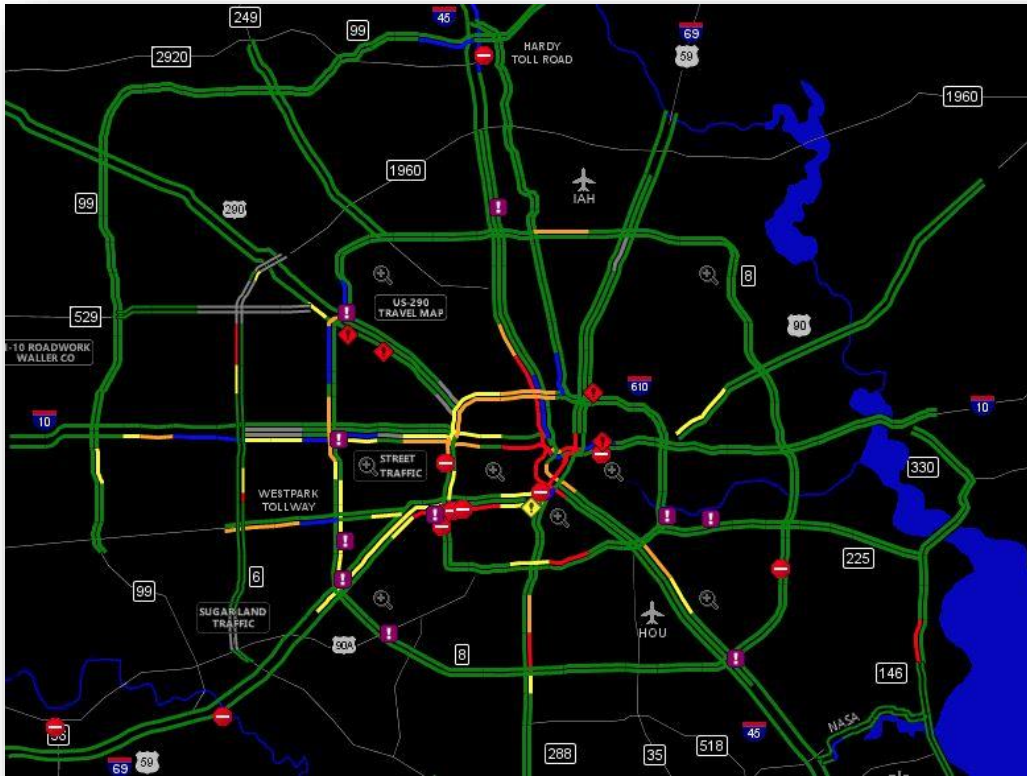
Emergency Management



# Traveler Information Tools

## Real-Time Traffic Map

- ▶ 800k Unique Monthly Visitors



## Mobile App, Developed in 2018

- ▶ 125k Application Downloads



# City of Houston at Houston TranStar

- ▶ **Traffic Management**
- ▶ **Signal Timing and Operations**
- ▶ **Intelligent Transportation Services (ITS) Equipment and Infrastructure**

# Harris County at Houston TranStar

- ▶ The Harris County Office of Homeland Security & Emergency Management (HCOHSEM)
- ▶ The Harris County Sheriff's Office (HCSO)
- ▶ HC Traffic and Transportation



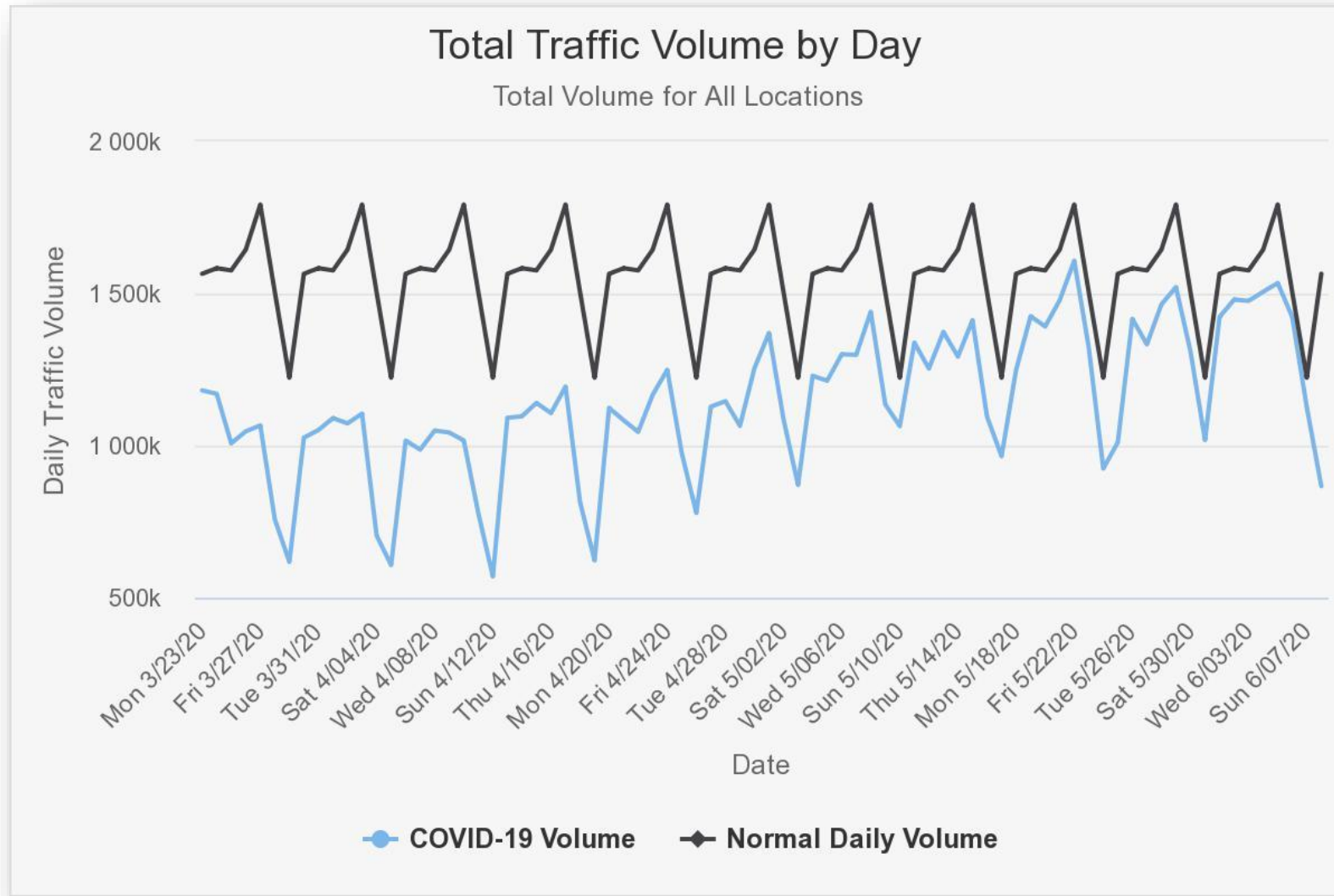
# METRO at Houston TranStar

- ▶ **Regional Bus System**
- ▶ **Light Rail System**
- ▶ **METRO Police**
- ▶ **METRO Office of Emergency Management (OEM)**
- ▶ **METRONext**
  - ▶ <https://www.metronext.org/>
  - ▶ <https://www.ridemetro.org/Pages/METRONext-Moving-Forward-Plan.aspx>

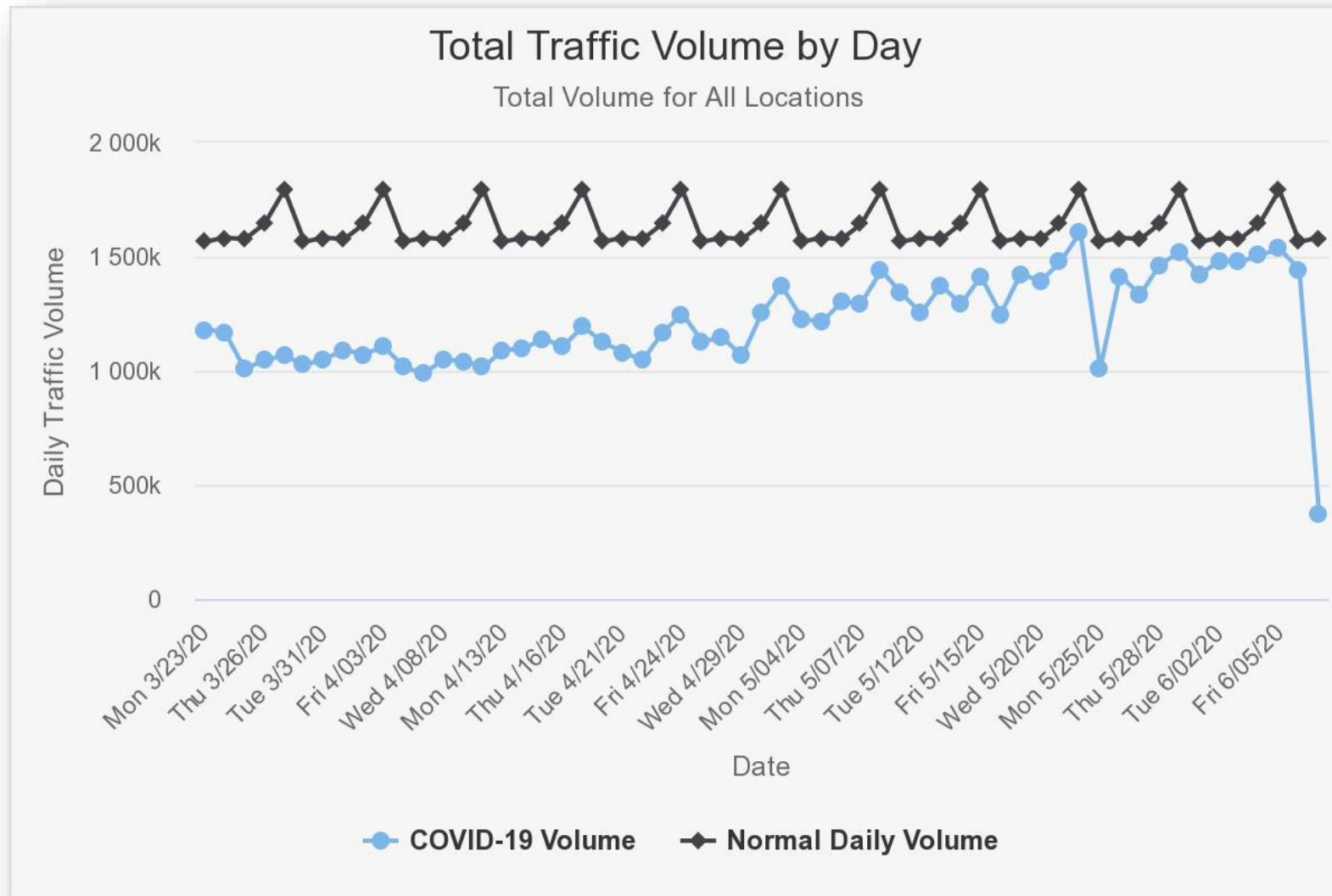
# TxDOT at Houston TranStar

- ▶ Freeway Operations
- ▶ Intelligent Transportation Systems
- ▶ Media Partnerships

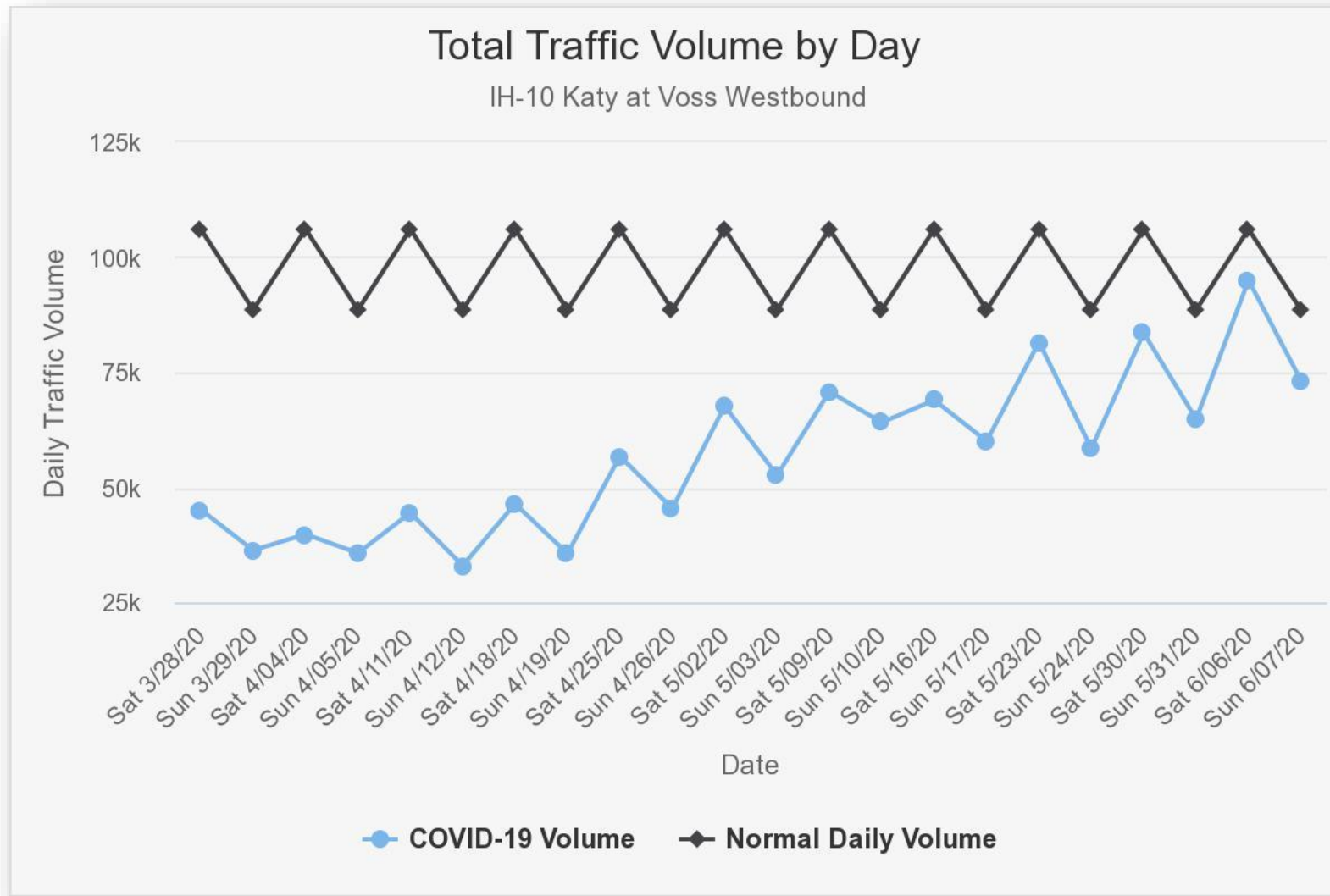
# Traffic Data, COVID-19



# Traffic Data, COVID-19



# Traffic Data, COVID-19



# Traffic Data, COVID-19

March 2020 Westbound

vs.

March 2019 Westbound

3/1/2020	Sun		91,127	3/3/2019	Sun		88,759
3/2/2020	Mon	105,139		3/4/2019	Mon	105,845	
3/3/2020	Tue	109,282		3/5/2019	Tue	110,164	
3/4/2020	Wed	107,243		3/6/2019	Wed	107,759	
3/5/2020	Thu	114,157		3/7/2019	Thu	108,891	
3/6/2020	Fri	117,772		3/8/2019	Fri	114,720	
3/7/2020	Sat		114,104	3/9/2019	Sat		106,370
3/8/2020	Sun		95,458	3/10/2019	Sun		89,644
3/9/2020	Mon	106,748		3/11/2019	Mon	105,202	
3/10/2020	Tue	109,796		3/12/2019	Tue	109,710	
3/11/2020	Wed	108,043		3/13/2019	Wed	104,684	
3/12/2020	Thu	109,727		3/14/2019	Thu		
3/13/2020	Fri	111,355		3/15/2019	Fri		
3/14/2020	Sat		94,481	3/16/2019	Sat		114,956
3/15/2020	Sun		74,005	3/17/2019	Sun		98,058
3/16/2020	Mon			3/18/2019	Mon	108,097	
3/17/2020	Tue			3/19/2019	Tue	107,598	
3/18/2020	Wed	85,568		3/20/2019	Wed	105,764	
3/19/2020	Thu	83,744		3/21/2019	Thu	108,235	
3/20/2020	Fri	77,232		3/22/2019	Fri	111,241	
3/21/2020	Sat		58,606	3/23/2019	Sat		109,711
3/22/2020	Sun		45,227	3/24/2019	Sun		92,901
3/23/2020	Mon	75,287		3/25/2019	Mon	105,758	
3/24/2020	Tue	77,182		3/26/2019	Tue	108,223	
3/25/2020	Wed	59,844		3/27/2019	Wed	110,231	
3/26/2020	Thu	62,026		3/28/2019	Thu	112,897	
3/27/2020	Fri	64,537		3/29/2019	Fri	114,538	
3/28/2020	Sat		45,211	3/30/2019	Sat		101,538
3/29/2020	Sun		36,380	3/31/2019	Sun		109,471
3/30/2020	Mon	59,913		4/1/2019	Mon	105,351	
3/31/2020	Tue	62,421		4/2/2019	Tue	107,987	

1.1%

2.4%

-24.0%

-38.6%

## Sensor Data

24-Hour Total: I-10 Katy Freeway  
WB @ Voss [TxDOT Radar Sensor]



# Traffic Data, COVID-19

April 2020 Westbound vs. April 2019 Westbound

3/31/2020	Tue	62,421		4/2/2019	Tue	107,987	
4/1/2020	Wed	62,972		4/3/2019	Wed	110,640	
4/2/2020	Thu	61,714		4/4/2019	Thu	107,013	
4/3/2020	Fri	64,499		4/5/2019	Fri	115,428	
4/4/2020	Sat		39,860	4/6/2019	Sat		107,974
4/5/2020	Sun		36,097	4/7/2019	Sun		78,856
4/6/2020	Mon	59,107		4/8/2019	Mon	105,375	
4/7/2020	Tue	60,523		4/9/2019	Tue	107,985	
4/8/2020	Wed	61,586		4/10/2019	Wed	106,140	
4/9/2020	Thu	61,979		4/11/2019	Thu	108,579	
4/10/2020	Fri	59,468		4/12/2019	Fri	114,087	
4/11/2020	Sat		44,737	4/13/2019	Sat		101,947
4/12/2020	Sun		34,758	4/14/2019	Sun		94,525
4/13/2020	Mon	62,673		4/15/2019	Mon	105,275	
4/14/2020	Tue	64,031		4/16/2019	Tue	107,920	
4/15/2020	Wed	65,188		4/17/2019	Wed	106,787	
4/16/2020	Thu	66,849		4/18/2019	Thu	103,267	
4/17/2020	Fri	68,655		4/19/2019	Fri	111,212	
4/18/2020	Sat		49,987	4/20/2019	Sat		101,668
4/19/2020	Sun		35,669	4/21/2019	Sun		86,825
4/20/2020	Mon	64,820		4/22/2019	Mon	108,479	
4/21/2020	Tue	65,332		4/23/2019	Tue	108,658	
4/22/2020	Wed	65,257		4/24/2019	Wed	110,019	
4/23/2020	Thu	68,472		4/25/2019	Thu	112,351	
4/24/2020	Fri	72,432		4/26/2019	Fri	114,331	
4/25/2020	Sat		57,081	4/27/2019	Sat		109,290
4/26/2020	Sun		45,716	4/28/2019	Sun		92,580
4/27/2020	Mon	67,645		4/29/2019	Mon	103,727	
4/28/2020	Tue	66,469		4/30/2019	Tue	108,747	
4/29/2020	Wed	67,129		5/1/2019	Wed	108,807	
4/30/2020	Thu	77,078		5/2/2019	Thu	104,556	

-43.0%

## Sensor Data

24-Hour Total: I-10 Katy Freeway  
WB @ Voss [TxDOT Radar Sensor]

-44.2%

-38.7%

-39.3%

# Traffic Data, COVID-19

May 2020 Westbound vs. May 2019 Westbound

5/1/2020	Fri	84,236		5/3/2019	Fri	108,027	
5/2/2020	Sat		68,516	5/4/2019	Sat		109,556
5/3/2020	Sun		52,841	5/5/2019	Sun		94,477
5/4/2020	Mon	77,169		5/6/2019	Mon	109,036	
5/5/2020	Tue	78,621		5/7/2019	Tue	98,449	
5/6/2020	Wed	81,738		5/8/2019	Wed	105,299	
5/7/2020	Thu	83,171		5/9/2019	Thu	99,368	
5/8/2020	Fri	87,670		5/10/2019	Fri	101,601	
5/9/2020	Sat		78,114	5/11/2019	Sat		91,653
5/10/2020	Sun		64,139	5/12/2019	Sun		93,809
5/11/2020	Mon	80,578		5/13/2019	Mon	105,697	
5/12/2020	Tue	82,088		5/14/2019	Tue	106,739	
5/13/2020	Wed	83,981		5/15/2019	Wed	107,743	
5/14/2020	Thu	86,055		5/16/2019	Thu	109,981	
5/15/2020	Fri	81,502		5/17/2019	Fri	111,497	
5/16/2020	Sat		69,021	5/18/2019	Sat		111,139
5/17/2020	Sun		60,848	5/19/2019	Sun		93,054
5/18/2020	Mon	85,401		5/20/2019	Mon	106,209	
5/19/2020	Tue	86,754		5/21/2019	Tue	109,181	
5/20/2020	Wed	89,343		5/22/2019	Wed	111,310	
5/21/2020	Thu	92,573		5/23/2019	Thu	112,177	
5/22/2020	Fri	96,936		5/24/2019	Fri	116,348	
5/23/2020	Sat		81,619	5/25/2019	Sat		106,027
5/24/2020	Sun		59,058	5/26/2019	Sun		90,356
5/25/2020	Mon	62,416		5/27/2019	Mon	84,001	
5/26/2020	Tue	88,875		5/28/2019	Tue	108,413	
5/27/2020	Wed	84,797		5/29/2019	Wed	107,581	
5/28/2020	Thu	92,556		5/30/2019	Thu	110,085	
5/29/2020	Fri	99,418		5/31/2019	Fri	112,658	
5/30/2020	Sat		83,772	6/1/2019	Sat		103,913
5/31/2020	Sun		65,663	6/2/2019	Sun		

-32.1%

-20.5%

-23.5%

-18.8%

-18.1%

## Sensor Data

24-Hour Total: I-10 Katy Freeway  
WB @ Voss [TxDOT Radar Sensor]



# Traffic Data, COVID-19

June 2020 Westbound vs. June 2019 Westbound

6/1/2020	Mon	90,045		6/3/2019	Mon		
6/2/2020	Tue	91,641		6/4/2019	Tue	108,588	
6/3/2020	Wed	87,808		6/5/2019	Wed	95,330	
6/4/2020	Thu	93,621		6/6/2019	Thu	110,572	
6/5/2020	Fri	100,016		6/7/2019	Fri	113,937	
6/6/2020	Sat		95,047	6/8/2019	Sat		108,234
6/7/2020	Sun		74,629	6/9/2019	Sun		91,609
6/8/2020	Mon	91,159		6/10/2019	Mon	108,014	

-13.5%

## Sensor Data

24-Hour Total: I-10 Katy Freeway  
WB @ Voss [TxDOT Radar Sensor]

# Traffic Data, COVID-19

## Houston Commute Trips, AM Averages: Week of 3/30/2020

		Distance	Week [Mon-Fri] Beginning:			
			4/1/2019	3/30/2020	Diff	% Change
<b>TRAVEL TIMES in Minutes</b>						
I-10 Katy EB	SH 6 to I-45 North	17.6	36.8	16.6	20.1	-55%
I-45 North SB	FM 1960 to Allen Parkway	18.9	37.2	17.7	19.5	-52%
SH 225 WB	SH 146 to I-610	12.8	14.0	11.8	2.2	-16%
I-45 Gulf NB	Clear Creek to Allen Parkway	24.2	36.9	20.9	16.1	-43%
US 59 Southwest EB	SH 6 to SH 288	18.2	36.5	17.4	19.1	-52%
US 59 Southwest WB	SH 288 to SH 6	18.2	19.5	17.5	2.0	-10%
Westpark Tollway EB	Addicks-Clodine to I-69/US 59	10.5	23.2	9.0	14.1	-61%
<b>AVERAGE SPEED in Mph</b>						
I-10 Katy EB	SH 6 to I-45 North	17.6	28.7	63.5	34.8	121%
I-45 North SB	FM 1960 to Allen Parkway	18.9	30.5	64.1	33.6	110%
SH 225 WB	SH 146 to I-610	12.8	54.9	65.2	10.3	19%
I-45 Gulf NB	Clear Creek to Allen Parkway	24.2	39.3	69.5	30.2	77%
US 59 Southwest EB	SH 6 to SH 288	18.2	29.9	62.7	32.8	110%
US 59 Southwest WB	SH 288 to SH 6	18.2	55.9	62.5	6.6	12%
Westpark Tollway EB	Addicks-Clodine to I-69/US 59	10.5	27.2	69.8	42.6	157%

### Speed, Travel Time Data

Houston TranStar uses various technologies to measure the average speed and travel time.

Anonymous Wireless Address Matching (Bluetooth™) and AVI Toll Tags



# Traffic Data, COVID-19

## Houston Commute Trips, PM Averages: Week of 3/30/2020

		Distance	Week [Mon-Fri] Beginning:			
			4/1/2019	3/30/2020	Diff	% Change
<b>TRAVEL TIMES in Minutes</b>						
I-10 Katy WB	I-45 North to SH 6	17.8	37.1	16.3	20.8	-56%
I-45 North NB	Allen Parkway to FM 1960	18.9	27.4	19.7	7.7	-28%
SH 225 EB	I-610 to SH 146	12.8	12.1	11.3	0.7	-6%
I-45 Gulf SB	Allen Parkway to Clear Creek	24.2	33.1	20.8	12.3	-37%
US 59 Southwest WB	SH 288 to SH 6	18.2	28.8	18.8	10.0	-35%
US 59 Southwest EB	SH 6 to SH 288	18.2	35.1	17.4	17.8	-51%
Westpark Tollway WB	I-69/US 59 to Addicks-Clodine	10.5	19.8	8.8	11.0	-55%
<b>AVERAGE SPEED in Mph</b>						
I-10 Katy WB	I-45 North to SH 6	17.8	28.8	65.4	36.7	127%
I-45 North NB	Allen Parkway to FM 1960	18.9	41.4	57.5	16.1	39%
SH 225 EB	I-610 to SH 146	12.8	63.6	67.7	4.1	6%
I-45 Gulf SB	Allen Parkway to Clear Creek	24.2	43.8	69.7	25.9	59%
US 59 Southwest WB	SH 288 to SH 6	18.2	38.0	58.2	20.3	53%
US 59 Southwest EB	SH 6 to SH 288	18.2	31.1	62.9	31.8	102%
Westpark Tollway WB	I-69/US 59 to Addicks-Clodine	10.5	31.8	71.3	39.5	125%

### Speed, Travel Time Data

Houston TranStar uses various technologies to measure the average speed and travel time.

Anonymous Wireless Address Matching (Bluetooth™) and AVI Toll Tags



# Traffic Data, COVID-19

## Houston Commute Trips, AM Averages: Week of 6/1/2020

		Distance	Week [Mon-Fri] Beginning:			
			6/3/2019	6/1/2020	Diff	% Change
<b>TRAVEL TIMES in Minutes</b>						
I-10 Katy EB	SH 6 to I-45 North	17.6	29.4	17.5	11.9	-40%
I-45 North SB	FM 1960 to Allen Parkway	18.9	33.7	19.7	14.0	-42%
SH 225 WB	SH 146 to I-610	12.8	14.9	11.8	3.1	-21%
I-45 Gulf NB	Clear Creek to Allen Parkway	24.2	35.0	23.4	11.6	-33%
US 59 Southwest EB	SH 6 to SH 288	18.2	32.4	17.6	14.8	-46%
US 59 Southwest WB	SH 288 to SH 6	18.2	19.9	19.7	0.2	-1%
Westpark Tollway EB	Addicks-Clodine to I-69/US 59	10.5	18.6	9.1	9.5	-51%
<b>AVERAGE SPEED in Mph</b>						
I-10 Katy EB	SH 6 to I-45 North	17.6	35.9	60.2	24.3	68%
I-45 North SB	FM 1960 to Allen Parkway	18.9	33.6	57.5	23.9	71%
SH 225 WB	SH 146 to I-610	12.8	51.5	65.3	13.8	27%
I-45 Gulf NB	Clear Creek to Allen Parkway	24.2	41.5	62.1	20.5	49%
US 59 Southwest EB	SH 6 to SH 288	18.2	33.7	61.9	28.2	84%
US 59 Southwest WB	SH 288 to SH 6	18.2	54.7	55.4	0.6	1%
Westpark Tollway EB	Addicks-Clodine to I-69/US 59	10.5	33.9	69.3	35.4	104%

### Speed, Travel Time Data

Houston TranStar uses various technologies to measure the average speed and travel time.

Anonymous Wireless Address Matching (Bluetooth™) and AVI Toll Tags



# Traffic Data, COVID-19

## Houston Commute Trips, PM Averages: Week of 6/1/2020

		Distance	Week [Mon-Fri] Beginning:			
			6/3/2019	6/1/2020	Diff	% Change
<b>TRAVEL TIMES in Minutes</b>						
I-10 Katy WB	I-45 North to SH 6	17.8	38.9	20.9	18.0	-46%
I-45 North NB	Allen Parkway to FM 1960	18.9	24.7	22.3	2.4	-10%
SH 225 EB	I-610 to SH 146	12.8	14.6	13.4	1.2	-8%
I-45 Gulf SB	Allen Parkway to Clear Creek	24.2	34.7	29.6	5.1	-15%
US 59 Southwest WB	SH 288 to SH 6	18.2	32.2	21.2	10.9	-34%
US 59 Southwest EB	SH 6 to SH 288	18.2	35.7	24.6	11.0	-31%
Westpark Tollway WB	I-69/US 59 to Addicks-Clodine	10.5	18.6	9.1	9.5	-51%
<b>AVERAGE SPEED in Mph</b>						
I-10 Katy WB	I-45 North to SH 6	17.8	27.5	51.0	23.6	86%
I-45 North NB	Allen Parkway to FM 1960	18.9	45.9	50.8	4.9	11%
SH 225 EB	I-610 to SH 146	12.8	52.6	57.5	4.8	9%
I-45 Gulf SB	Allen Parkway to Clear Creek	24.2	41.8	49.0	7.2	17%
US 59 Southwest WB	SH 288 to SH 6	18.2	34.0	51.5	17.5	52%
US 59 Southwest EB	SH 6 to SH 288	18.2	30.6	44.3	13.7	45%
Westpark Tollway WB	I-69/US 59 to Addicks-Clodine	10.5	33.9	69.0	35.1	104%

### Speed, Travel Time Data

Houston TranStar uses various technologies to measure the average speed and travel time.

Anonymous Wireless Address Matching (Bluetooth™) and AVI Toll Tags



# Hurricane Season Preparedness



# Hurricane Season Preparedness

## DISASTER SUPPLY KIT CHECKLIST



- Water – At least seven day supply (one gallon per person per day)
- Food – At least seven day supply of nonperishable/canned food (Change out stored water and food supplies every six months)
- First aid kit
- Flashlight with extra batteries
- Battery powered radio
- Medications and special items (pain relievers, diapers, etc.)
- Tools and supplies
- Sanitation (toilet paper, personal hygiene items, etc.)
- Change of clothes and bedding
- Cash
- Important family documents (birth certificates, insurance/ bank account information, etc.)
- Food, water and medicine for your pets
- Kennels or crates for pets



Harris County Judge Lina Hidalgo



6922 Katy Road  
Houston, Texas 77024  
713-881-3100

[www.readyharris.org](http://www.readyharris.org)

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- ReadyHarris

Ready Harris App available at

App Store Google Play

## HURRICANE PREPAREDNESS & EVACUATION INFORMATION



## HURRICANES

Hurricanes can cause catastrophic damage to coastlines and several hundred miles inland. Hurricanes and tropical storms also spawn tornadoes, create storm surges along the coast, and cause power and utility outages.

**When a hurricane warning is issued by the National Weather Service and the coastal area is threatened, you should:**

- Monitor your local TV and radio stations.
- Fuel your vehicles and generators.
- Check your disaster supply kit.
- Cover windows with plywood.
- Bring in all furniture, toys and any other objects that could become missiles.
- Moor boats to a safe and secure place.
- Take pictures of property and contents for insurance purposes.
- Evacuate immediately, if advised.

**If you stay in your home during the hurricane and are not in a flood prone area:**

- Fill bathtubs and all available containers with water.
- Turn off utilities, if requested.
- Remain indoors in a closet, bathroom or hallway on the lower level of your house, away from windows.
- Cover yourself and family members with a mattress or a dining room table to protect yourself from falling debris.

# Hurricane Season Preparedness

## EVACUATION



## STAY INFORMED

If you live in a low-lying, flood-prone area, you may be mandated to leave, because heightened seas and tides can affect your home.

If you live in a mobile home in any evacuation zone, plan to evacuate anytime a hurricane threatens. Powerful winds are capable of destroying mobile homes.

If you are traveling with young children, elderly family members or people with functional access needs, you should leave early. Waiting for a general evacuation can put their health at risk and lengthen your travel time.

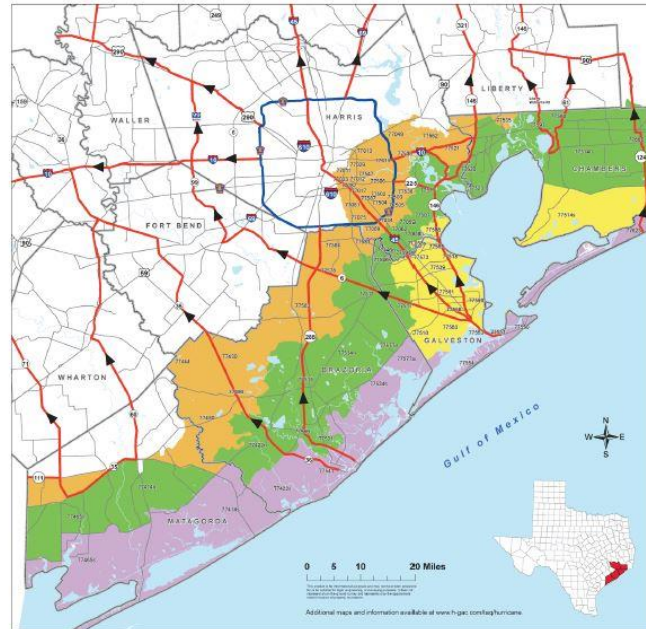
## REGIONAL JOINT INFORMATION CENTER



Tune into your local media for up-to-date information.

Visit [readyharris.org](http://readyharris.org) and sign up for local emergency alerts.

## EVACUATION MAP



**Brazoria, Chambers, Galveston, Harris, and Matagorda Hurricane Evacuation Zip-Zones Coastal, A, B, C**

ZIP ZONE COASTAL			
77414x	77422x	77465x	77541
77550	77561	77564	77563
77572x			
ZIP ZONE A			
77568	77573	77543	77518
77565	77566	77569	77570
77580	77581		
ZIP ZONE B			
77509x	77539	77002	77414x
77465x	77527	77511	77544
77517	77523	77524	77531
77549	77546	77562	77571
77576	77587	77586	77665
ZIP ZONE C			
77011	77022	77023	77015
77023	77029	77034	77048
77075	77087	77088	77430
77440	77449	77522	77503
77509	77506	77521	77530
77536	77547	77542	77519
77583	77584	77587	

Some zip codes are split into north (N) and south (S) for evacuation purposes.

**Route Designation**  
 - Evacuation Corridors  
 - Evacuation Connections  
 - Other Roads  
 - County Boundary



## EVACUATION ZONES

**Zip codes** have been provided to help you determine what evacuation zone, if any, you live in.

**Evacuation zones** will be announced in time to evacuate. You should leave when your evacuation zone is announced.

**Zip code evacuations** allow the residents in the greatest danger, the opportunity to leave first.



## EVACUATION TIPS

- ▶ If you evacuate, take your disaster supply kit with you.
- ▶ During hurricane season (June 1 – November 30), keep at least half a tank of gas in your car at all times.
- ▶ Rethink your needs every year and update your kit as your household changes.
- ▶ To learn how you can be a part of an improved evacuation, please visit [www.readyharris.org](http://www.readyharris.org)

## HELPFUL NUMBERS

- ▶ **Evacuation Assistance Registration**  
2-1-1  
3-1-1 (in Houston)
- ▶ **Harris County**  
713-755-5000
- ▶ **County Judge Lina Hidalgo**  
713-755-5000
- ▶ **Harris County Office of Homeland Security & Emergency Management**  
713-881-3100

## HELPFUL WEBSITES

- ▶ [www.readyharris.org](http://www.readyharris.org)
- ▶ [www.facebook.com/ReadyHarris](https://www.facebook.com/ReadyHarris)
- ▶ [www.twitter.com/ReadyHarris](https://www.twitter.com/ReadyHarris)
- ▶ [www.houstontranstar.org](http://www.houstontranstar.org)
- ▶ [www.weather.gov/hgx](http://www.weather.gov/hgx)
- ▶ [www.ready.gov](http://www.ready.gov)



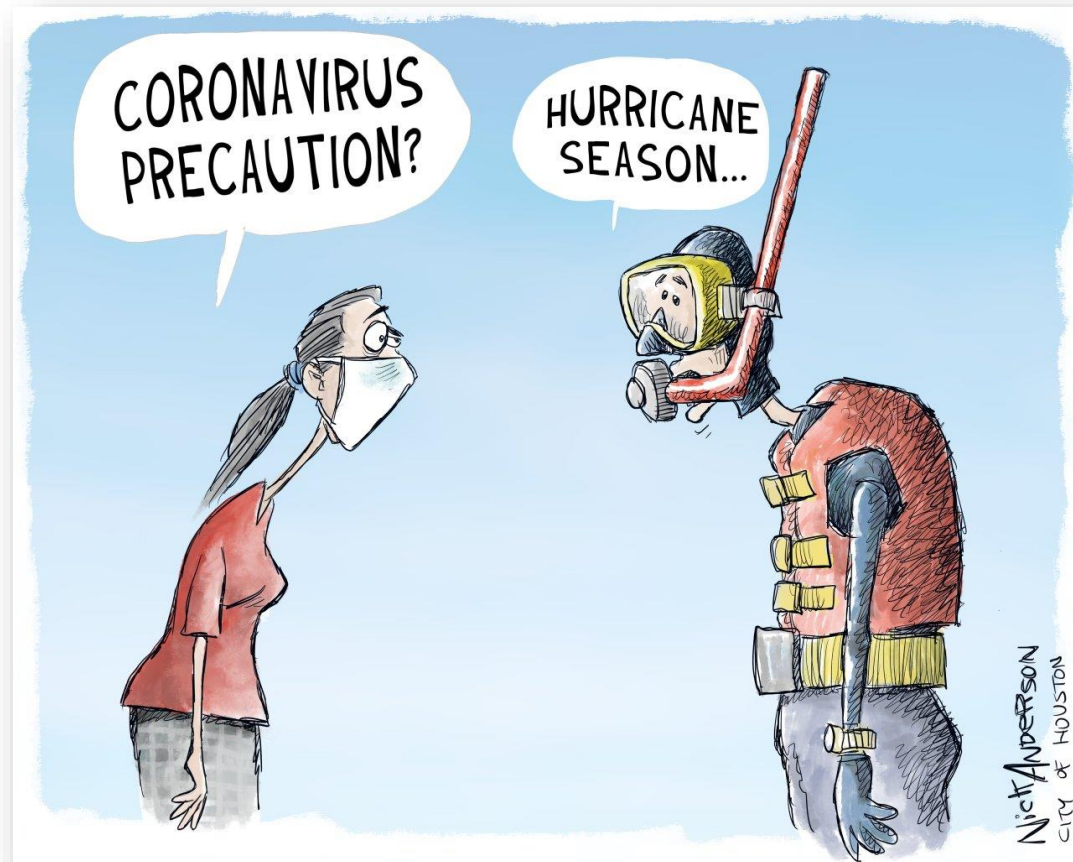


# Hurricane Season Preparedness

- ▶ Emergency Management Partners, Weather Experts
  - ▶ HCOHSEM
  - ▶ Houston OEM
  - ▶ Harris County Flood Control District
  - ▶ NWS Houston
  - ▶ Houston-Galveston Area Council
  - ▶ Local Media
  - ▶ Space City Weather

# Hurricane Season Preparedness

- ▶ The ESSENTIALS: Get A Kit, Make A Plan, Stay Informed
- ▶ Know Your Risk
- ▶ Gathering Supplies
- ▶ What About Pets?
- ▶ Functional Access Needs
- ▶ Stay Informed

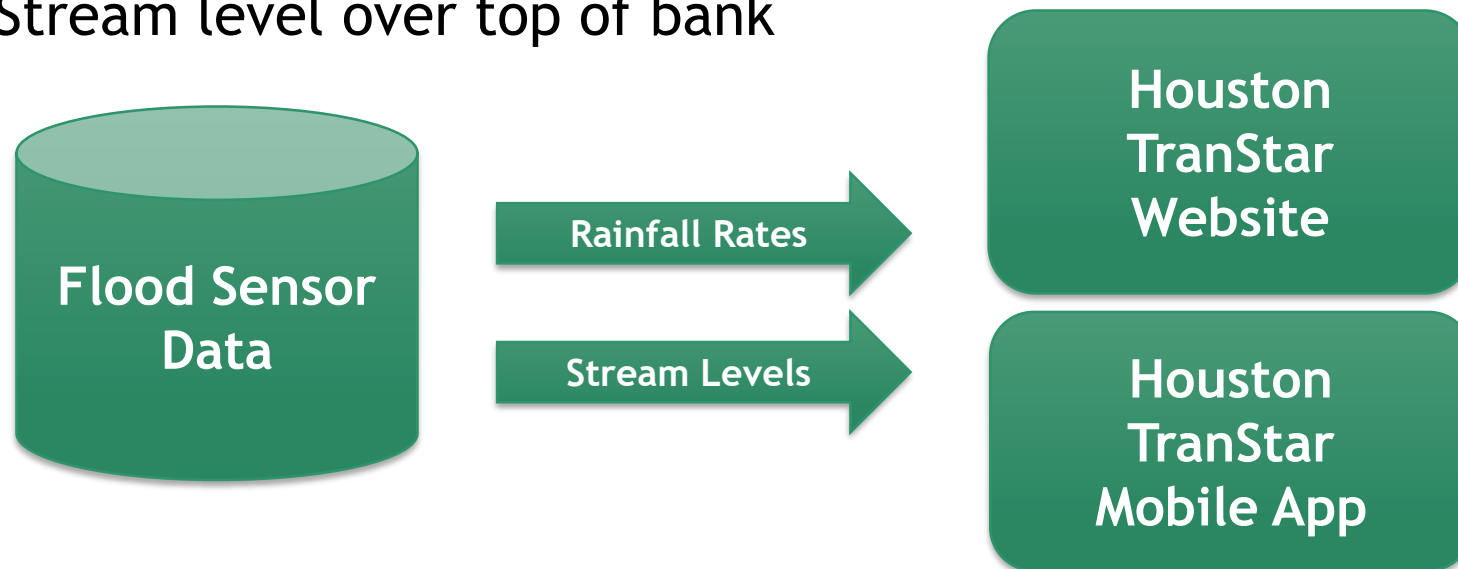


# Roadway Flood Warning System

Data from 283+ sensor locations overlaid on TranStar's real-time traffic map. Warns travelers to exercise caution and avoid travel in areas where conditions are likely to cause roadway flooding.

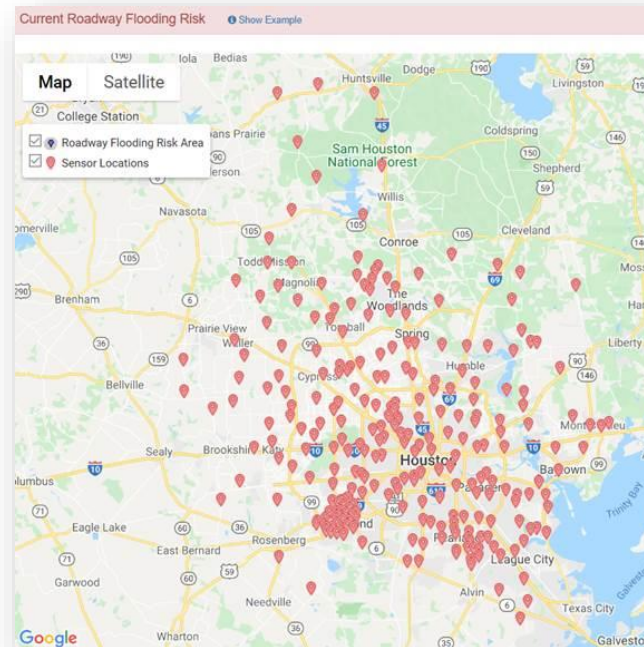
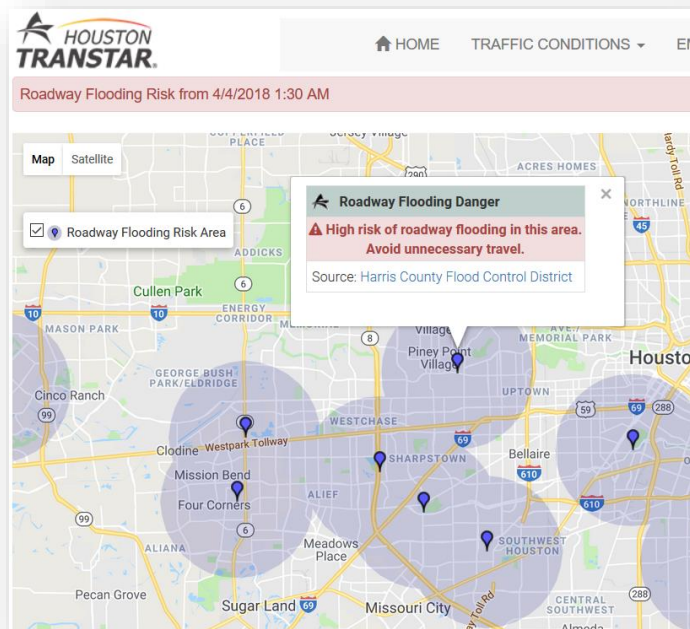
## Thresholds:

- Rainfall rate greater than 1 inch in 15 minutes
- Stream level over top of bank



# Roadway Flood Warning System

- ▶ Rainfall thresholds displayed for 90 minutes
- ▶ Stream level thresholds displayed as long as streams are over top of bank
- ▶ Information available on TranStar's website and mobile application, at no-cost to residents and travelers



# Social Media , Website URL



Facebook: @HoustonTranStar

Twitter: @HoustonTranStar

LinkedIn: @HoustonTranStar

Instagram: @Houston.TranStar



[www.houstontranstar.org](http://www.houstontranstar.org)  
[traffic.houstontranstar.org](http://traffic.houstontranstar.org)

**Joshua Shideler**

**Public Information Officer**

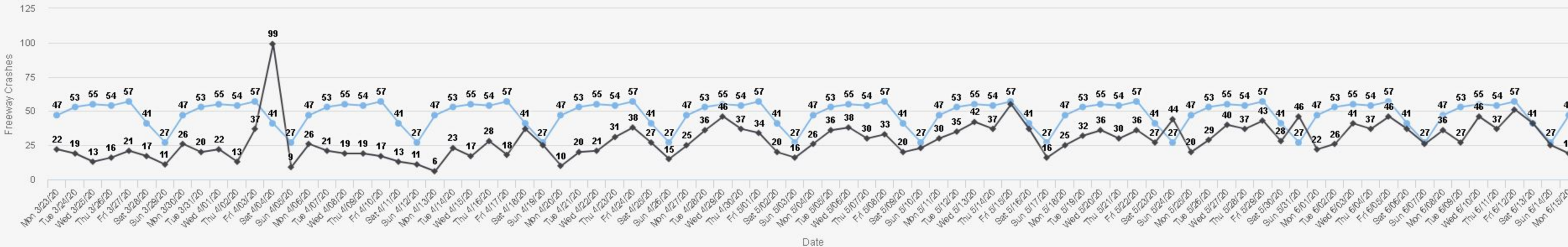
[Joshua.Shideler@HoustonTranStar.ORG](mailto:Joshua.Shideler@HoustonTranStar.ORG)

**713.881.3044**



### RIMS Freeway Crashes by Date

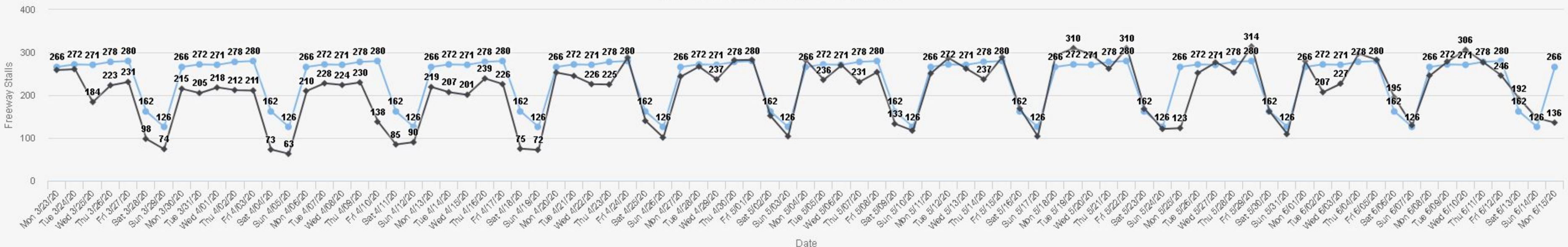
Typical (2018-2019) vs COVID-19 Stay-At-Home Order



Typical (2018-2019): 4055    COVID-19: 2449

### RIMS Freeway Stalls by Date

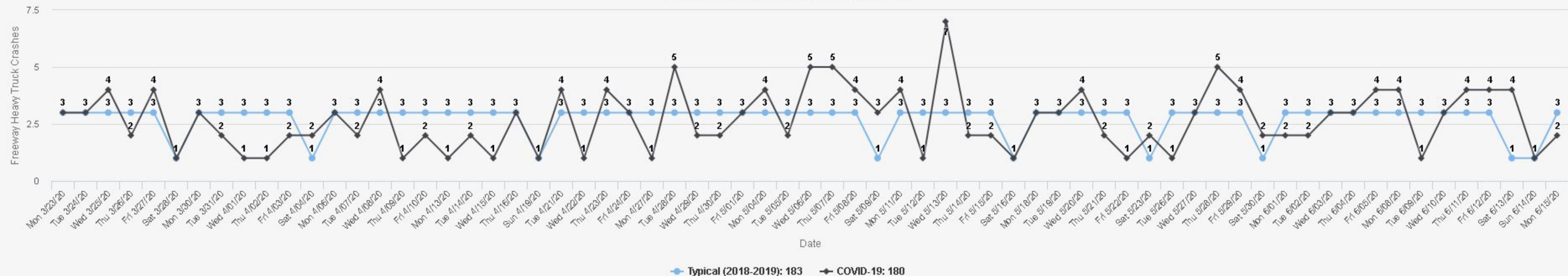
Typical (2018-2019) vs COVID-19 Stay-At-Home Order



Typical (2018-2019): 20126    COVID-19: 17836

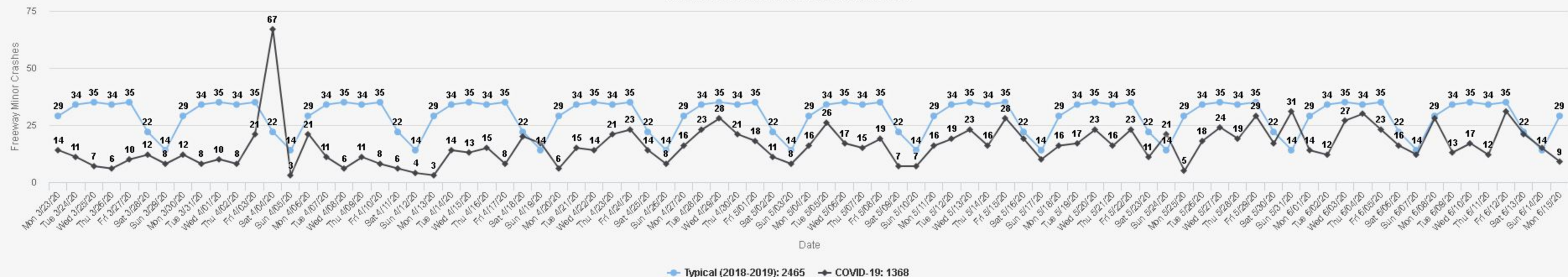
### RIMS Freeway Heavy Truck Crashes by Date

Typical (2018-2019) vs COVID-19 Stay-At-Home Order



### RIMS Freeway Minor Crashes by Date

Typical (2018-2019) vs COVID-19 Stay-At-Home Order





# RIMS Freeway Major Crashes by Date

Typical (2018-2019) vs COVID-19 Stay-At-Home Order

