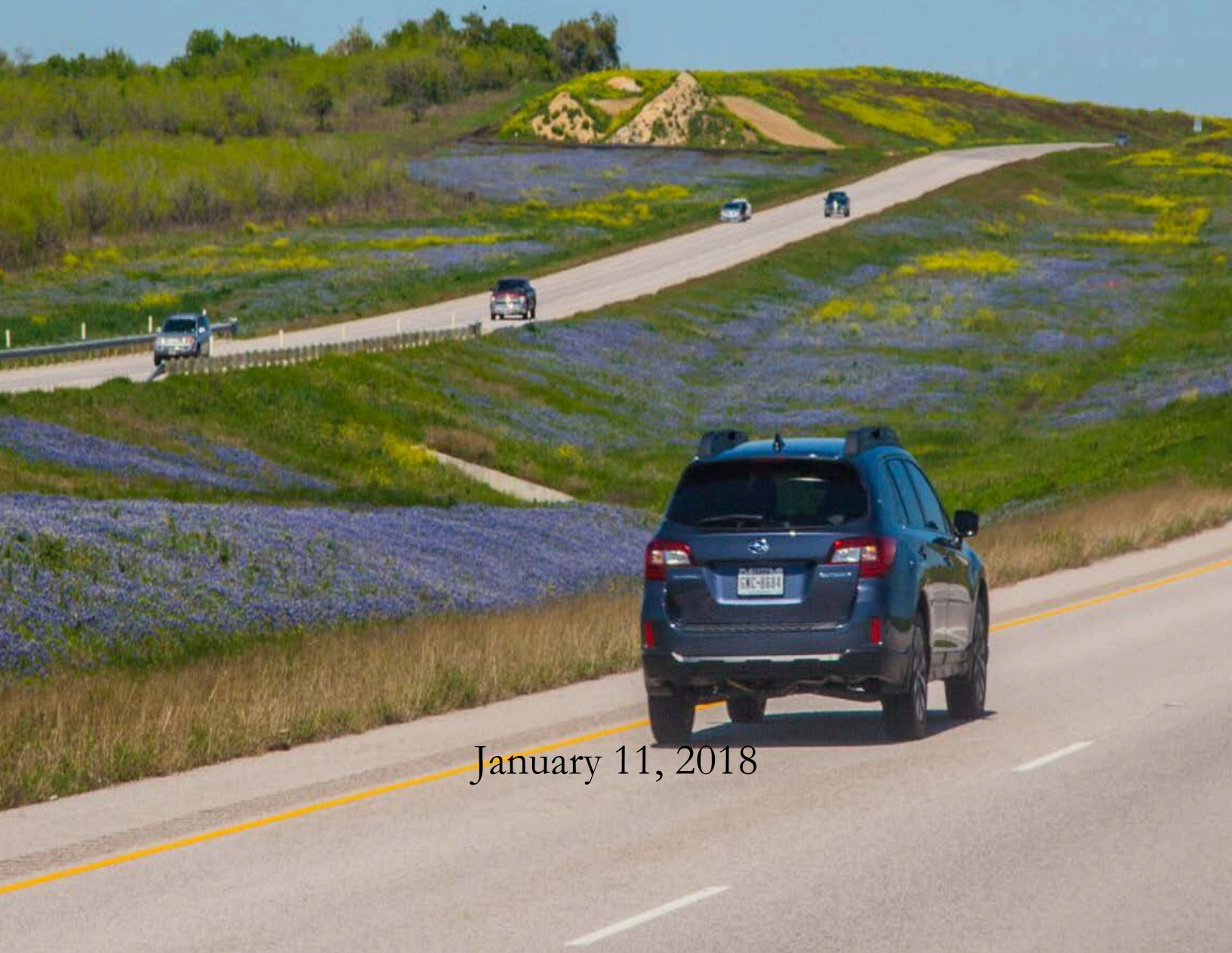


SH 130 CC

US 183 & Frontage Road System

Strategic Highway Safety Plan



January 11, 2018

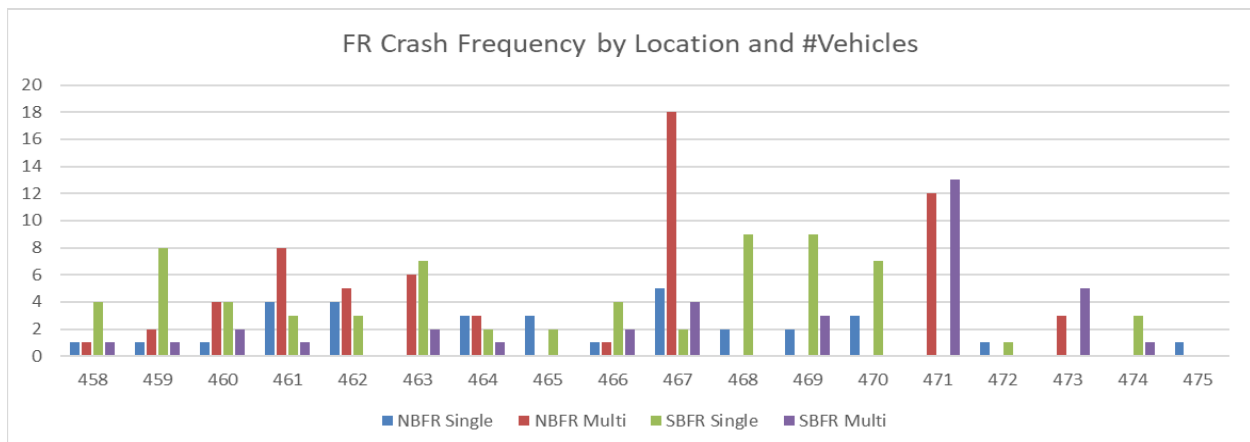
SH 130 Concession Company's US 183 & Frontage Road System Strategic Highway Safety Plan

On November 29, 2017, SH 130 Concession Company (SH 130) hosted a safety summit to discuss US 183 and the frontage road system along SH 130 between SH 45 and CR 217. The purpose of the summit was to share accident statistics, identify recurring trends, highlight implemented safety improvements and seek input on initiatives and strategies to improve the safety of these roadways. The meeting was attended by representatives of the following organizations:

- Texas Department of Public Safety
- Mustang Ridge Police Department
- Travis County Sheriff's Office
- Caldwell County Sheriff's Office
- Chisholm Trail Fire Department
- Caldwell County HSEM
- Caldwell County Engineer
- Lockhart Police Department
- TxDOT
- HNTB
- SAM-CS
- County Elected Officials

At the conference SH 130 presented the following:

- Since opening the Toll road there have been over 200 major accidents (accidents involving injuries/property damage greater than \$1,000) on the frontage road system.
- Over 150 of those crashes occurred in dry conditions; with 75 consisting of a single vehicle and 83 two or more vehicles
- Three quarters of all wet condition crashes involved a single vehicle
- More than half of the multi vehicle crashes occurred at four locations: the intersections of FM 1185, FM 2001, CR 179 and a stretch of US 183 just north of SH 21.
- More than half of all single-vehicle crashes occurred at the: SBFR at Lockhart Interchange, SBFR near Plum Creek Turnaround, SBFR north of Laws Road and SBFR near CR 179.



SH 130 CC has already completed or is currently implementing several safety improvements:

- Installed oversized STOP signs
- Installed rumble strips at FM 2001, SH 142 and FM 1185
- Relocated guide signs to eliminate potential obstruction of STOP signs at FM 1185 and currently removing existing stop bars at other locations
- Replaced black on white “cross traffic does not stop” signs with black on yellow signs to increase visibility
- Replacing “signal ahead” signs with “intersection ahead” signs
- Replaced pavement markings to improve retro-reflectivity



Attendees were encouraged to share thoughts, ideas and identify High Priority Actions that could be employed to improve highway safety. SH 130 staff used this input to develop the Strategic Highway Safety Plan presented in this report. The strategies outlined were selected to address serious crashes by focusing on specific locations or behaviors. The strategies have been organized through the integrated application of the “3Es” of Roadway Safety: Education, Enforcement and Engineering.

Education – How can we more effectively communicate and educate drivers about road conditions, intersection shapes and traffic flows?

Enforcement – Are there targeted operations, joint actions or more focused enforcement activities that public safety agencies could undertake to reduce incidents in problem areas?

Engineering – How can we make the road safer by design, including better signage, improved site distances or adding new elements such as concrete medians and curbs to better channel traffic in problem areas?

SH 130 developed goals for each “E” of Roadway Safety with compatible strategies to reach those goals.

Education:

Goal: Collaborate in the education of the public on the dangers and consequences of impaired driving, distracted driving, speeding and the importance of being properly restrained at all times when in a vehicle.

- Support law enforcement efforts to promote safe driving behaviors through SH 130’s social media outlets
- Promote safe driving at events attended/supported by SH 130 personnel
- Collaborate with highway safety/law enforcement agencies in Safety Campaigns and Public Service Announcements (Click it or Ticket, Distracted Driving).
- Promote the use of bi-lingual educational safety campaigns

Enforcement:

Goal: Support the enforcement of laws regarding driving while intoxicated, speed limits and distracted driving.

- Support targeted periods of enforcement by local/state law enforcement agencies.
 - Share available SH 130 data with local/state law enforcement agencies to identify speeding locations to assist with the deployment of resources
 - Continue use of SH 130's variable message boards to promote highway safety messages
 - Continue use of Inclement Weather Messaging to reduce speed based on conditions
 - Employ speed trailers to inform traveling public of their rate of speed.



Engineering:

Goal: Reduce roadway crashes resulting in fatalities and serious injuries by 50 percent by 2020.

- Improve driver awareness of intersections, intersection visibility and sight distance
 - Reconfigure the signals to operate in alternating flashing mode
 - Investigate the existing site distance at CR 179.
 - Investigate changing the driveway location of the SH 130 offices to reduce conflicts with traffic entering or exiting at the north end of the Pilot station
 - Install and maintain shoulder rumble strips and transverse rumble strips at approaches to intersections where possible.
 - Investigate the suitability of installing channelization curbing at problem intersections to prevent turns in the wrong direction.
- Maintain proper roadway geometry, cross section, friction requirements and drainage characteristics
 - Continue monitoring the roadway during rains to ensure that ponding is quickly identified and corrected.

- Continue to perform annual friction tests of the roadway system
- Evaluate, standardize and install delineation, signing and pavement markings on curves, ramps and merges.
 - Evaluate Installing “Left Lane for Passing Only” signs on US 183 and frontage road
 - Consider installing lighted stop signs
 - Consider extending exit ramps to provide additional distance for vehicle deceleration of vehicles exiting the main lanes, or
 - Merge traffic on US 183 into a single lane at main lane exits to provide a deceleration lane and defined merges
- Promote safety training efforts/programs for Work Zone personnel and responders to traffic incidents/accidents
 - Investigate the opportunity to host a Traffic Incident Management Responder Course for first responders to incidents on the SH 130 facility

