

13C. UPDATE ON INTERSECTION SAFETY ASSESSEMENTS

Background

Approximately 40 percent of all traffic crashes in the Region occur at roadway intersections. Intersection related crashes make up over 25 percent of fatal crashes and around 38 percent of serious injuries crashes. Traffic crashes also contribute to congestion and travel delays. The Transportation Policy Council adopted a Regional Safety Plan in August 2018. The Plan identified five focus areas that represented the most pressing traffic crash types in the region. One of the initiatives was to do regional Intersection Safety Audits/Assessments. This initiative supports the Transportation Policy Council Vision Zero resolution passed in October 2020 to end traffic fatalities in the region by 2050.

Current Situation

H-GAC staff compiled an initial list of intersections that met the following criteria:

- at least one fatality or serious injury crash in the last three year
- and an intersection crash rate greater than one fatality/serious injury crash per 1 Million Vehicles Entering the intersection.

The initial list of candidate intersections consists of the top ten intersections for each county, if applicable. Several counties did not have ten intersections that met the criteria.

H-GAC and the consultant, Kimley Horn and Associates met with the Counties to review the initial list of proposed intersections. After these meeting the list of intersections scheduled for Safety Assessments were sometimes modified to match the priorities of the Counties.

Starting in the Fall of 2021, the field assessments of identified intersections were conducted in the following counties: Chambers, Fort Bend, Harris, Liberty, and Waller.

Reports have either been completed or in process on recommended safety improvements and benefits on these intersections.

Action Requested

Information and discussion only.