CR 101 Widening from CR 90 to FM 1128

Application ID 300483

Criteria used in Safety Benefits Spreadsheet

Preventable Crash History: Imported from information supplied by H-GAC.

Year Open to Traffic: From project schedule.

Appropriate Crash Reduction Factor: From Texas Department of Transportation Highway Safety Improvement Program (HSIP) Work Codes Table.

 538 Convert 2-Lane Facility to 4-Lane Divided

 45% Reduction Factor

 20 year service life

Daily Travel Demand:

2018 Volume: From H-GAC file “multiyear\_vol.lpk”

 2018 Capacity: From HGAC Model Daily Capacities - Dec 2014.xlsx for Out of suburban, H-GAC\_Ftype 17, Collector, 4 lane

 2025 Volume: 2025 volumes were not input into the analysis because we believe there is an error in the projections. The data shows that the volumes decrease for year 2025.

 2025 Capacity:

2040 Volume: From H-GAC file “multiyear\_vol.lpk”

 2040 Capacity: From HGAC Model Daily Capacities - Dec 2014.xlsx for Out of suburban, H-GAC\_Ftype 17, Collector, 4 lane

Criteria used in Generic Benefit Discounting

Brazoria County maintenance consists of full depth recycling the paving every 7 years. The last time this occurred on CR 101 was in 2012. Costs for full depth recycling were input for every 7 years starting in 2019.