

# Summary of Evaluation Criteria and Recommendation(s)

Many factors are considered to determine the viability of an alignment.

Evaluation criteria can be grouped into engineering, environmental, and economic factors. As part of the evaluation process, data is collected in each of these areas to fully understand the impact of each alignment.



### ENGINEERING/MOBILITY

**Safety**

- Minimize crash rates

**Traffic**

- Level of service



### ENVIRONMENTAL

**Residential and Commercial Existing/Future Developments**

- Minimize number of impacts

**Stakeholder and Public Input**


- Included

**USACE Protected Lands (Wetlands, WOTUS, etc.)**

- Minimize number of impacts

**Floodplains and Floodways**

- Minimize number of impacts



### ECONOMIC

**Construction Costs**

- Minimize roadway costs
- Minimize bridge costs

**Right-of-Way to be Acquired**

- Minimize acres of right-of-way needed

**Business Impacts**

- Estimated number of businesses impacted
- Estimated business sales volume impacted

Criteria Rating Scale	Does not achieve criteria	Sometimes meets criteria	Partially meets criteria	Mostly meets criteria	Highly meets criteria


EVALUATION MATRIX (DATA FROM 2021)							
ENGINEERING/MOBILITY							
Alternative Criteria		No Build	Blue	Yellow	Purple	Orange	Teal
Length*	Miles	22.8	22.7	26.2	27.3	30.1	29.0
Crash Rate**	Crashes/Mi/Yr	N/A	22.4773	23.4857	23.5243	23.0172	22.8163
Level of Service		N/A	Good	Good	Good	Good	Good
US 380 Existing Alignment Level of Service		Failing	Good	Failing	Failing	Failing	Failing
ENVIRONMENTAL							
Parcel Impacts	Each	N/A	399	244	238	322	194
Residential Displacements	Each	N/A	14	37	36	11	23
Commercial Displacements	Each	N/A	55	19	11	30	6
Floodplain Impacts	Acres	N/A	89	209	234	213	231
USACE Impacts (Lake,Greenbelt)	Acres	N/A	3	19	19	2	8
Future Residential Development Impacts	Acres	N/A	22	224	301	105	265
Future Commercial Development Impacts	Acres	N/A	129	54	24	54	49
ECONOMICS							
Construction Costs***	\$ Millions	N/A	1,190	1,290	1,350	1,490	1,370
Right of Way to be Acquired	Acres	N/A	398	925	900	687	878
Estimated Number of Businesses Impacted	Each	N/A	78	19	11	30	6
Estimated Business Sales Volume Impacted****	\$ Millions	N/A	40-50	0-10	10-20	40-50	0-10


\* Route includes distance from DNT to I-35


\*\* Predictive Crashes/rates were based on an assumed volume of 100,000 vehicles per day over 20-year study period



\*\*\* Construction Costs include roadway, bridge, and utility costs

\*\*\*\* Data obtained from InfoUSA

 Key Factor for Recommendation

 1 Recommended Alignment

 2 Recommended for Future Study

SUMMARY OF EVALUATION CRITERIA						
Alternative Criteria	No Build	 Blue	Yellow	Purple	Orange	 Teal
Addresses Engineering/Mobility	N/A					
Minimize Environmental Impacts	N/A					
Minimize Economic Impacts	N/A					
Overall	N/A					