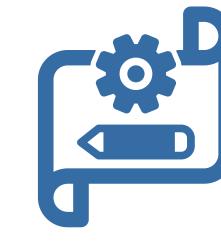
# Summary of Evaluation Criteria and Recommendation(s)



## 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

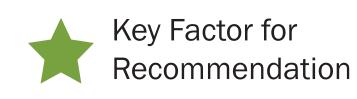
### **Business Impacts**

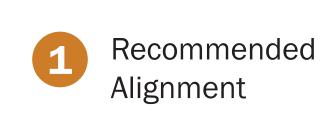
- Estimated number of businesses impacted
- Estimated business sales volume impacted



			ENGINEERING/MOBIL	LITY			
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
- \*\*\* Construction Costs include roadway, bridge, and utility costs
- \*\*\*\* Data obtained from InfoUSA







Recommended for Future Study

SUMMARY OF EVALUATION CRITERIA										
Alternative Criteria	No Build	Blue	Yellow	Purple	Orange	<b>2</b> Teal				
Addresses Engineering/ Mobility	N/A									
Minimize Environmental Impacts	N/A									
Minimize Economic Impacts	N/A									
Overall	N/A									

