



# US 41/SR 45/South 50th Street at CSX Grade Separation Design Change Re-evaluation

From South of Causeway Boulevard to North of Causeway Boulevard

WPI Segment No. 440749-1

Hillsborough County, Florida

## Evaluation Matrix

Evaluation Criteria	Previously Approved Alternative <sup>1</sup>	Alternative 1	Alternative 2	Alternative 3	Alternative 4
		Flyover	Quadrant	Diverging Diamond	Single Point Urban
<b>Potential Right-of-Way (ROW) Effects</b>					
ROW to be acquired for roadway (acres)	11.21	19.1	26.4	23.6	20.7
ROW to be acquired for stormwater facilities (acres)	0.83	7.9	9.7	9.6	11.8
<b>Potential Relocations</b>					
Number of business relocations	9	28	26	38	35
Number of residential relocations	7	0	0	0	0
<b>Potential Environmental Effects</b>					
Archaeological probability / Historical sites identified	None / 0	Moderate / 2	Moderate / 2	Moderate / 2	Moderate / 2
Section 4(f) sites	None	None	None	None	None
Wetlands (acres)	0.00	0.69	0.71	1.94	1.23
Threatened and endangered species likelihood of occurrence	None	Low	Low	Low	Low
Noise sensitive sites within 66 dBA	3	TBD	TBD	TBD	TBD
Petroleum and hazardous material sites (ranked as high / medium)	NQ	11 / 9	10 / 10	11 / 10	11 / 10
<b>Estimated Project Costs (2019 Cost)</b>					
<b>Wetland Mitigation<sup>2</sup></b>		<b>\$90,200</b>	<b>\$92,800</b>	<b>\$253,600</b>	<b>\$160,800</b>
ROW acquisition for roadway		\$45,642,100	\$52,281,400	\$68,771,600	\$57,668,000
ROW acquisition for stormwater facilities		TBD	TBD	TBD	TBD
<b>Total ROW Costs</b>		<b>\$45,642,100</b>	<b>\$52,281,400</b>	<b>\$68,771,600</b>	<b>\$57,668,000</b>
Construction cost for roadway		\$97,995,000	\$115,436,000	\$84,526,000	\$85,448,000
Construction cost for stormwater facilities		\$3,961,000	\$4,735,000	\$4,735,000	\$5,634,000
<b>Total Construction Costs</b>		<b>\$101,956,000</b>	<b>\$120,171,000</b>	<b>\$89,261,000</b>	<b>\$91,082,000</b>
Design (10% of Total Construction Cost)		\$10,195,600	\$12,017,100	\$8,926,100	\$9,108,200
Construction Engineering & Inspection (10% of Total Construction Cost)		\$10,195,600	\$12,017,100	\$8,926,100	\$9,108,200
<b>Preliminary Estimate of Total Project Costs</b>		<b>\$168,079,500</b>	<b>\$196,579,400</b>	<b>\$176,138,400</b>	<b>\$167,127,200</b>

1. Impacts taken from 1994 EA/FONSI Evaluation Matrix. The contamination sites were not quantified (NQ). The estimated project costs are not shown.

2. Mitigation cost based on \$130,747 per acre for Fiscal Year 2023/24 from FDOT Work Program Instructions