



# INTERSTATE 75

NORTHERN STUDY - FROM SOUTH OF US 301 TO NORTH OF FLETCHER AVENUE IN HILLSBOROUGH COUNTY (WPI Segment No. 419235-3)



## EVALUATION MATRIX - NORTHERN STUDY

Evaluation Criteria	No-Build Alternative	RECOMMENDED ALTERNATIVE			
		Segment 1	Segment 2	Segment 3	Total Recommended Alternative Impacts
<b>Potential Business Impacts</b>					
Number of business relocations	0	22	4	1	27
<b>Potential Residential Impacts</b>					
Number of residential relocations	0	28	30	4	62
<b>Potential Right-of-Way (ROW) Impacts</b>					
Roadway: Area of ROW anticipated to be acquired (acres)	0	24.0	70.6	15.3	109.9
Drainage: Off-site ponds necessary (Yes/No)	No	No	Yes	Yes	Yes
<b>Potential Environmental Effects</b>					
Archaeological/Historical sites <sup>1</sup>	NONE	3	18	30	51
Section 4(f) sites <sup>2</sup>	NONE	0	2	3	5
Noise-sensitive sites <sup>3</sup>	NONE	797	28	119	944
Wetlands (acres)	0	11.1	44.6	4.6	60.3
Floodplains (acres) <sup>4</sup>	0	6.1	10.8	0.0	16.9
Surface waters (acres)	0	7.5	3.1	0.0	10.6
Threatened and endangered species	NONE	Minimal	Minimal	Minimal	Minimal
Petroleum contamination & hazardous material sites	NONE	6	6	6	18
<b>Estimated Costs <sup>5</sup></b>					
Right-of-way acquisition	\$0	\$91.3	\$38.2	\$43.4	\$172.9
Wetlands mitigation	\$0	\$1.1	\$4.4	\$0.5	\$6.0
Potential noise barriers <sup>8</sup>	\$0	\$8.4	\$0.0	\$3.7	\$12.1
Construction costs	\$0	\$360.9	\$1,045.6	\$292.8	\$1,699.3
Roadway and Bridges <sup>6</sup>	\$0	\$347.8	\$1,037.3	\$290.7	\$1,675.8
Drainage (Ponds and Floodplain Compensation Sites)	\$0	\$13.1	\$8.3	\$2.1	\$23.5
Engineering design <sup>7</sup>	\$0	\$54.1	\$156.8	\$43.9	\$254.8
Construction engineering & inspection <sup>7</sup>	\$0	\$54.1	\$156.8	\$43.9	\$254.8
<b>Preliminary Estimate of Total Costs <sup>5</sup></b>	<b>\$0</b>	<b>\$569.9</b>	<b>\$1,401.8</b>	<b>\$428.2</b>	<b>\$2,399.9</b>

Notes:

- 1) Historic resources or archaeological sites associated with the study corridor. None are considered significant as contained within the project's area of potential effect (APE).
- 2) Includes Section 4(f) sites that will potentially be directly affected or will potentially experience indirect impacts.
- 3) Sites located within 66dBA isopleth.
- 4) Impact areas do not include interchanges.
- 5) Present day costs in millions of dollars.
- 6) Based on February 2010 Long Range Estimate with 25% contingencies added.
- 7) Estimated as 15% of the total construction cost.
- 8) Costs calculated at \$30/sf of wall.