

ALTERNATIVES PUBLIC MEETING

Florida Department of Transportation



I-95 & Ellis Road Project Development & Environment Study

Standard Urban (45 mph) Matrix

Standard Urban (45 mph) Alternatives Evaluation Matrix			
Resource	Preliminary Alternatives		
	Urban 45 mph		
	Hold North R/W Line Impacts to South	Hold South R/W Line Impacts to North	Best Fit
Right-of-way			
Number of Parcels			
Business	21	19	28
Residential	8	18	18
Unimproved	17	13	16
Total	46	50	62
Number of Relocates			
Business	18.5	11	10
Residential	5	18	18
Total	23.5	29	28
Environment			
Wetlands Impacts (ac)	0.66	1.05	1.05
Contamination	Low	Low	Low
Community Impacts			
Business Disruptions	Major	Major	Major
Residential Disruptions	Minor	Major	Major
Utility Involvement	Major	Major	Major
Costs (in millions)			
⁽¹⁾ Right of Way	\$ 35.66	\$ 35.04	\$ 36.07
Construction	\$ 9.77	\$ 9.77	\$ 9.77
Engineering & Construction Management	\$ 1.47	\$ 1.47	\$ 1.47
Grand-Total	\$ 46.90	\$ 46.28	\$ 47.31

⁽¹⁾ Includes approximate right-of-way costs for ponds

SIS High Speed Urban (50 mph) Matrix

SIS High Speed Urban (50 mph) Alternatives Evaluation Matrix			
Resource	Preliminary Alternatives		
	SIS 50 mph		
	Hold North R/W Line Impacts to South	Hold South R/W Line Impacts to North	Best Fit
Right-of-way			
Number of Parcels			
Business	21	19	31
Residential	9	18	18
Unimproved	15	15	18
Total	45	52	67
Number of Relocates			
Business	20.5	13	10
Residential	6	18	18
Total	26.5	31	28
Environment			
Wetlands Impacts (ac)	0.78	1.17	1.17
Contamination	Low	Low	Low
Community Impacts			
Business Disruptions	Major	Major	Major
Residential Disruptions	Minor	Major	Major
Utility Involvement	Major	Major	Major
Costs (in millions)			
⁽¹⁾ Right of Way	\$ 45.93	\$ 42.00	\$ 43.26
Construction	\$ 11.31	\$ 11.31	\$ 11.31
Engineering & Construction Management	\$ 1.70	\$ 1.70	\$ 1.70
Grand-Total	\$ 58.94	\$ 55.01	\$ 56.27

⁽¹⁾ Includes approximate right-of-way costs for ponds

Comparison of Best Fit Alternatives

Standard Urban (45 mph) vs. SIS High Speed (50 mph) Evaluation Matrix			
Resource	Best Fit Alternatives		Interchange
	Urban 45 mph	SIS 50 mph	
Right-of-way			
Number of Parcels			
Business	28	31	0
Residential	18	18	0
Unimproved	16	18	4
Total	62	67	4
Number of Relocates			
Business	10	10	0
Residential	18	18	0
Wetlands Impacts (ac)			
Roadway	1.1	1.2	9.0
Ponds	1.3	1.3	3.5
Contamination			
	Low	Low	Low
Community Impacts			
Business Disruptions	Major	Major	None
Residential Disruptions	Major	Major	None
Utility Involvement	Major	Major	Major
Costs (in millions)			
⁽¹⁾ Right of Way	\$ 36.1	\$ 43.3	\$ 4.0
Utility Relocation	Not Determined	Not Determined	\$ 3.0
Construction	\$ 9.8	\$ 11.3	\$ 17.0
Engineering & Construction Management	\$ 1.5	\$ 1.7	\$ 2.6
Grand-Total	\$ 47.3	\$ 56.3	\$ 26.6

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