



State Road 544 PD&E Study

District 1 Polk County
Financial Project ID: 440273-1

from Martin Luther King Blvd. to State Road 17

Segment	No Build	Segment 1 - MLK Boulevard to North of Avenue Y	Segment 2 - North of Avenue Y to East of Lake Conine Canal	Segment 3 - East of Lake Conine Canal to East of Old Lucerne Park Road (west)	Segment 4 - East of Old Lucerne Park Road (west) to East of Lucerne Loop Road	Segment 5 - East of Lucerne Loop Road to West of Lake Hamilton Canal	Segment 6 - West of Lake Hamilton Canal to West of Brenton Manor	Segment 7 - West of Brenton Manor to LaVista Drive	Segment 8 - LaVista Drive to SR 17
Description		3 Lane Best Fit with Mini -Roundabout at Avenue Y	2R - Right Side Widening	3L - Left Side Widening with Roundabout at Old Lucerne Park Road (west) Realigned	4L - Left Side Widening with Roundabout at Lucerne Loop Road	5L - Left Side Widening with Roundabout at Old Lucerne Park Road (east)	6L - Left Side Widening	7R - Left/Right Side Widening with SPUI at US 27	8CM - Centered Minimized 4 Lane Widening
Purpose and Need									
Address Future Traffic Demand	X								
Enhance Mobility									
Support Economic Development									
Property Impacts									
Parcels Impacted	0	34	9	13	3	25	17	30	33
Area of Impact (ac)	0	1.422	1.15	1.78	0.9	4.26	1.13	13.26	1.69
Residential Relocations	0	0	0	0	0	0	1	0	0
Business Relocations	0	2	0	0	0	1	1	2	0
Natural, Environmental & Physical Impacts									
Potential Impacts to Species	None	Low	High	Moderate	Moderate	High	Low	Moderate	Low
Potential Contamination Sites	None	8	0	0	0	1	0	6	0
Wetland Impacts (ac)	0	0.00	0.00	0.88	0.47	1.28	0.10	2.26	0.00
Surface Water Impacts (ac)	0	0.17	0.03	0.10	0.08	1.08	0.02	0.05	0.00
Floodplain Impacts (ac)	None	0.00	0.42	2.20	4.17	12.58	0.05	3.89	0.00
Public Parks Impacted	0	0	0	0	0	0	0	0	0
Potential Impacts to Archaeological / Historic Resources	None	Low / Moderate	Moderate / Low	Moderate / Low	Moderate / Low	Moderate / Low	Moderate / Moderate	Moderate / Moderate	Moderate / Moderate
Noise Impacts	None	18 residences, 3 churches	13 residences	46 residences	12 residences, 1 community pool	29 residences	7 residences	2 residences	40 residences ; 2 churches; 1 school
Estimated Costs (Present Day Costs)									
Design	No Cost	\$1,995,000	\$1,500,000	\$2,500,000	\$3,000,000	\$2,700,000	\$1,600,000	\$10,300,000	\$900,000
Roadway Right of Way	No Cost	\$870,000	\$830,000	\$4,050,000	\$3,800,000	\$5,900,000	\$2,250,000	\$21,350,000	\$4,830,000
Reimbursable Utility Relocation	No Cost	\$0	\$0	\$0	\$600,000	\$1,750,000	\$750,000	\$1,450,000	\$700,000
Non-Reimbursable Utility Relocation	No Cost	\$2,752,500	\$4,752,500	\$2,952,500	\$7,970,500	\$8,270,500	\$3,070,500	\$5,621,500	\$3,021,500
Wetland Mitigation	No Cost	\$0	\$0	\$0	\$63,450	\$303,750	\$13,500	\$305,100	\$0
Roadway Construction	No Cost	\$13,300,000	\$9,500,000	\$11,700,000	\$25,000,000	\$19,000,000	\$10,600,000	\$64,500,000	\$8,500,000
Construction Engineering & Inspection	No Cost	\$1,596,000	\$1,140,000	\$1,404,000	\$3,000,000	\$2,280,000	\$1,272,000	\$10,447,000	\$1,020,000
Total Cost	No Cost	\$17,761,000	\$12,970,000	\$19,654,000	\$35,463,000	\$31,934,000	\$16,486,000	\$108,352,000	\$15,950,000

Subject to Change

Alternatives Evaluation Matrix