

Sidewalk Projects					
Priority	Roadway	Segment	Length (ft)	Improvements	COST
1	Loch berry Road	Phelps Avenue to Lakemont Avenue	1900	Sidewalk Construction (Both sides missing)	\$ 1,892,000.00
2	Phelps Avenue	Loch berry Road to Aloma Avenue	2750	Sidewalk Construction (East Side)	\$ 445,000.00
3	Park Avenue	Ridgewood Avenue to City Limit (N)	1650	Sidewalk Construction (Both Sides incomplete)	\$ 1,356,000.00
4	Wymore Road	Lee Road to City Limit (N)	3100	Sidewalk Construction (Both Sides missing)	\$ 1,402,000.00
5	Louisiana Avenue	Park Avenue to Wilma Avenue	450	Sidewalk Construction (Both Sides missing)	\$ 76,000.00
6	Minnesota Avenue	Nicolet Avenue to Schultz Avenue	825	Sidewalk Construction (North Side gap)	\$ 267,000.00
7	Glenridge Way S	St. George Street to Lakemont Avenue	1850	Sidewalk Construction (South Side - includes boardwalk)	\$ 1,544,000.00
8	Lakemont Avenue	Gray Avenue to Glenridge Way	1700	Sidewalk Construction (West Side - includes boardwalk)	\$ 442,000.00
9	Park Avenue	Webster Avenue to Palmer Avenue	1550	Sidewalk Construction (West Side)	\$ 253,000.00
10	Loch berry Road	Lakemont Avenue to Darcy Drive	1600	Sidewalk Construction (South Side)	\$ 259,000.00
11	Lake Sue Avenue	Winter Park Road to Laurel Road	500	Sidewalk Construction (North Side)	\$ 84,000.00
12	Palmer Avenue	Park Avenue to Old England Avenue	650	Sidewalk Construction (South Side)	\$ 105,000.00
13	Palmer Avenue	Alabama Drive to Temple Drive	900	Sidewalk Construction (North Side)	\$ 146,000.00
14	Park Avenue	Green Cove Road to Pennsylvania Avenue	850	Sidewalk Construction (North Side)	\$ 138,000.00
15	Park Avenue	Pennsylvania Avenue to Denning Drive	1350	Sidewalk Construction (South Side)	\$ 317,000.00
16	Park Avenue	Palmer Avenue to New York Avenue	1000	Sidewalk Construction (South Side)	\$ 232,000.00
17	Phelps Avenue	Aloma Avenue to Lakehurst Avenue	1600	Sidewalk Construction (West Side)	\$ 259,000.00
18	Louisiana Avenue	Wilma Avenue to Denning Drive	1000	Sidewalk Construction (Both Sides)	\$ 326,000.00
19	Stovin Avenue	Park Avenue to Palmer Avenue	400	Sidewalk Construction (North Side)	\$ 65,000.00
20	Temple Drive	Palmer Avenue to Woodmere Drive	1800	Sidewalk Construction (West Side)	\$ 291,000.00
21	Temple Drive	Via Lugano to Howell Branch Road	3950	Sidewalk Construction (West Side)	\$ 1,726,000.00
22	Temple Trail	Howell Branch Road To 300' N of Cove Trail	1650	Sidewalk Construction (East Side)	\$ 426,000.00
23	Wymore Road	Franklin Avenue to Lee Road	1800	Sidewalk Construction (West Side)	\$ 958,000.00
24	Virginia Dr.	Dead End	1000	Sidewalk Construction	\$ 688,000.00
25	Webster Avenue	Pennsylvania Avenue to Interlachen Avenue	3250	Sidewalk Construction (South Side)	\$ 525,000.00

Sidewalk - 1					
Loch Berry Road - from Phelps Avenue to Lakemont Avenue (0.36 MI)					
Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	Sediment Barrier	3800.00	LF	\$ 3.00	\$ 11,400.00
110-1-1	Clearing and Grubbing	1.44	AC	\$ 31,506.62	\$ 45,350.44
120-1	Regular Excavation	689.47	CY	\$ 5.84	\$ 4,026.50
120-6	Embankment	1509.20	CY	\$ 11.07	\$ 16,706.89
400-0-11	Concrete Class NS, Gravity Wall	269.89	CY	\$ 1,329.82	\$ 358,900.28
515-1-1	Pipe Handrail - Guiderail, Steel	1900.00	LF	\$ 131.42	\$ 249,698.00
522-1	Concrete Sidewalk (4" Thick)	2677.27	SY	\$ 74.73	\$ 200,072.59
527-2	Detectable Warnings	71.97	SF	\$ 38.74	\$ 2,788.11
570-1-2	Performance Turf, Sod	2534.10	SY	\$ 4.72	\$ 11,960.97

Segments Construction Sub-Totals	\$ 900,903.78
---	----------------------

Mobilization (10%)	\$ 90,090.38
Maintenance of Traffic (10%)	\$ 90,090.38
Project Unknowns (25%)	\$ 270,271.14

Project Construction Total	\$ 1,351,355.68
-----------------------------------	------------------------

Final Design / Engineering (25%)	\$ 337,838.92
Construction Engineering Inspection (CEI) (15%)	\$ 202,703.35

GRAND TOTAL	\$ 1,891,897.95
--------------------	------------------------

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$ 2,270,277.54
5 years Estimated Project Cost	1.5	\$ 2,837,846.92

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Sidewalk - 2					
Phelps Avenue - from Loch berry Road to Aloma Avenue (0.52 MI)					
Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	Sediment Barrier	2750.00	LF	\$ 3.00	\$ 8,250.00
110-1-1	Clearing and Grubbing	1.04	AC	\$ 31,506.62	\$ 32,819.40
120-1	Regular Excavation	498.96	CY	\$ 5.84	\$ 2,913.92
120-6	Embankment	1092.19	CY	\$ 11.07	\$ 12,090.52
522-1	Concrete Sidewalk (4" Thick)	1937.50	SY	\$ 74.73	\$ 144,789.38
527-2	Detectable Warnings	52.08	SF	\$ 38.74	\$ 2,017.71
570-1-2	Performance Turf, Sod	1833.89	SY	\$ 4.72	\$ 8,655.96

Segments Construction Sub-Totals	\$ 211,536.88
---	----------------------

Mobilization (10%)	\$ 21,153.69
Maintenance of Traffic (10%)	\$ 21,153.69
Project Unknowns (25%)	\$ 63,461.06

Project Construction Total	\$ 317,305.31
-----------------------------------	----------------------

Final Design / Engineering (25%)	\$ 79,326.33
Construction Engineering Inspection (CEI) (15%)	\$ 47,595.80

GRAND TOTAL	\$ 444,227.44
--------------------	----------------------

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$ 533,072.93
5 years Estimated Project Cost	1.5	\$ 666,341.16

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Sidewalk - 3					
Park Avenue - from Ridgewood Avenue to City Limit (N) (0.31 MI)					
Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	Sediment Barrier	3300.00	LF	\$ 3.00	\$ 9,900.00
110-1-1	Clearing and Grubbing	1.25	AC	\$ 31,506.62	\$ 39,383.28
120-1	Regular Excavation	598.75	CY	\$ 5.84	\$ 3,496.70
120-6	Embankment	1310.63	CY	\$ 11.07	\$ 14,508.62
400-0-11	Concrete Class NS, Gravity Wall	234.38	CY	\$ 1,329.82	\$ 358,900.28
515-1-1	Pipe Handrail - Guiderail, Steel	1650.00	LF	\$ 131.42	\$ 32,855.00
522-1	Concrete Sidewalk (4" Thick)	2325.00	SY	\$ 74.73	\$ 173,747.25
527-2	Detectable Warnings	62.50	SF	\$ 38.74	\$ 2,421.25
570-1-2	Performance Turf, Sod	2200.67	SY	\$ 4.72	\$ 10,387.16

Segments Construction Sub-Totals	\$ 645,599.53
---	----------------------

Mobilization (10%)	\$ 64,559.95
Maintenance of Traffic (10%)	\$ 64,559.95
Project Unknowns (25%)	\$ 193,679.86

Project Construction Total	\$ 968,399.30
-----------------------------------	----------------------

Final Design / Engineering (25%)	\$ 242,099.83
Construction Engineering Inspection (CEI) (15%)	\$ 145,259.90

GRAND TOTAL	\$1,355,759.02
--------------------	-----------------------

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$1,626,910.83
5 years Estimated Project Cost	1.5	\$2,033,638.53

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Sidewalk - 4					
Wymore Road - from Lee Road to City Limit (N) (0.59 MI)					
Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	Sediment Barrier	6200.00	LF	\$ 3.00	\$ 18,600.00
110-1-1	Clearing and Grubbing	2.35	AC	\$ 31,506.62	\$ 73,992.82
120-1	Regular Excavation	1124.92	CY	\$ 5.84	\$ 6,569.56
120-6	Embankment	2462.39	CY	\$ 11.07	\$ 27,258.62
400-0-11	Concrete Class NS, Gravity Wall	84.00	CY	\$ 1,329.82	\$ 111,704.88
515-1-1	Pipe Handrail - Guiderail, Steel	600.00	LF	\$ 131.42	\$ 78,852.00
522-1	Concrete Sidewalk (4" Thick)	4368.18	SY	\$ 74.73	\$ 326,434.23
527-2	Detectable Warnings	117.42	SF	\$ 38.74	\$ 4,549.02
570-1-2	Performance Turf, Sod	4134.59	SY	\$ 4.72	\$ 19,515.26

Segments Construction Sub-Totals	\$ 667,476.38
---	----------------------

Mobilization (10%)	\$ 66,747.64
Maintenance of Traffic (10%)	\$ 66,747.64
Project Unknowns (25%)	\$ 200,242.91

Project Construction Total	\$ 1,001,214.57
-----------------------------------	------------------------

Final Design / Engineering (25%)	\$ 250,303.64
Construction Engineering Inspection (CEI) (15%)	\$ 150,182.19

GRAND TOTAL	\$ 1,401,700.40
--------------------	------------------------

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$ 1,682,040.48
5 years Estimated Project Cost	1.5	\$ 2,102,550.60

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Sidewalk - 5					
Louisiana Avenue - from Park Avenue to Wilma avenue (0.32 MI)					
Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	Sediment Barrier	450.00	LF	\$ 3.00	\$ 1,350.00
110-1-1	Clearing and Grubbing	0.17	AC	\$31,506.62	\$ 5,370.45
120-1	Regular Excavation	81.65	CY	\$ 5.84	\$ 476.82
120-6	Embankment	178.72	CY	\$ 11.07	\$ 1,978.45
522-1	Concrete Sidewalk (4" Thick)	317.05	SY	\$ 74.73	\$ 23,692.81
527-2	Detectable Warnings	8.52	SF	\$ 38.74	\$ 330.17
526-1-1	Pavers, Architectural, Roadway	10.00	SY	\$ 120.85	\$ 1,208.50
570-1-2	Performance Turf, Sod	300.09	SY	\$ 4.72	\$ 1,416.43

Segments Construction Sub-Totals	\$ 35,823.63
---	---------------------

Mobilization (10%)	\$ 3,582.36
Maintenance of Traffic (10%)	\$ 3,582.36
Project Unknowns (25%)	\$ 10,747.09

Project Construction Total	\$ 53,735.44
-----------------------------------	---------------------

Final Design / Engineering (25%)	\$ 13,433.86
Construction Engineering Inspection (CEI) (15%)	\$ 8,060.32

GRAND TOTAL	\$ 75,229.61
--------------------	---------------------

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$ 90,275.54
5 years Estimated Project Cost	1.5	\$ 112,844.42

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Sidewalk - 6					
Minnesota Avenue - from Nicolet Avenue to Schultz Avenue (0.16MI)					
Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	Sediment Barrier	1650.00	LF	\$ 3.00	\$ 4,950.00
110-1-1	Clearing and Grubbing	0.63	AC	\$ 31,506.62	\$ 19,691.64
120-1	Regular Excavation	299.38	CY	\$ 5.84	\$ 1,748.35
120-6	Embankment	655.31	CY	\$ 11.07	\$ 7,254.31
522-1	Concrete Sidewalk (4" Thick)	1162.50	SY	\$ 74.73	\$ 86,873.63
527-2	Detectable Warnings	31.25	SF	\$ 38.74	\$ 1,210.63
570-1-2	Performance Turf, Sod	1100.33	SY	\$ 4.72	\$ 5,193.58

Segments Construction Sub-Totals	\$ 126,922.13
---	----------------------

Mobilization (10%)	\$ 12,692.21
Maintenance of Traffic (10%)	\$ 12,692.21
Project Unknowns (25%)	\$ 38,076.64

Project Construction Total	\$ 190,383.19
-----------------------------------	----------------------

Final Design / Engineering (25%)	\$ 47,595.80
Construction Engineering Inspection (CEI) (15%)	\$ 28,557.48

GRAND TOTAL	\$ 266,536.46
--------------------	----------------------

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$ 319,843.76
5 years Estimated Project Cost	1.5	\$ 399,804.69

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Sidewalk - 7					
Glenridge Way S - from St. George Street to Lakemont Avenue (0.35 MI)					
Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	Sediment Barrier	1850.00	LF	\$ 3.00	\$ 5,550.00
110-1-1	Clearing and Grubbing	0.70	AC	\$ 31,506.62	\$ 22,078.50
120-1	Regular Excavation	335.66	CY	\$ 5.84	\$ 1,960.27
120-6	Embankment	734.74	CY	\$ 11.07	\$ 8,133.62
400-0-11	Concrete Class NS, Gravity Wall	262.78	CY	\$ 1,329.82	\$ 349,455.54
515-1-1	Pipe Handrail - Guiderail, Steel	1850.00	LF	\$ 131.42	\$ 243,127.00
522-1	Concrete Sidewalk (4" Thick)	1303.41	SY	\$ 74.73	\$ 97,403.76
527-2	Detectable Warnings	35.04	SF	\$ 38.74	\$ 1,357.37
570-1-2	Performance Turf, Sod	1233.71	SY	\$ 4.72	\$ 5,823.10

Segments Construction Sub-Totals	\$ 734,889.16
---	----------------------

Mobilization (10%)	\$ 73,488.92
Maintenance of Traffic (10%)	\$ 73,488.92
Project Unknowns (25%)	\$ 220,466.75

Project Construction Total	\$ 1,102,333.75
-----------------------------------	------------------------

Final Design / Engineering (25%)	\$ 275,583.44
Construction Engineering Inspection (CEI) (15%)	\$ 165,350.06

GRAND TOTAL	\$ 1,543,267.25
--------------------	------------------------

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$ 1,851,920.70
5 years Estimated Project Cost	1.5	\$ 2,314,900.87

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Sidewalk - 8					
Lakemont Avenue - from Gray Avenue to Glenridge Way (0.32 MI)					
Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	Sediment Barrier	1700.00	LF	\$ 3.00	\$ 5,100.00
110-1-1	Clearing and Grubbing	0.64	AC	\$ 31,506.62	\$ 20,288.35
120-1	Regular Excavation	308.45	CY	\$ 5.84	\$ 1,801.33
120-6	Embankment	675.17	CY	\$ 11.07	\$ 7,474.14
400-0-11	Concrete Class NS, Gravity Wall	35.00	CY	\$ 1,329.82	\$ 46,543.70
515-1-1	Pipe Handrail - Guiderail, Steel	250.00	LF	\$ 131.42	\$ 32,855.00
522-1	Concrete Sidewalk (4" Thick)	1197.73	SY	\$ 74.73	\$ 89,506.16
527-2	Detectable Warnings	32.20	SF	\$ 38.74	\$ 1,247.31
570-1-2	Performance Turf, Sod	1133.68	SY	\$ 4.72	\$ 5,350.96

Segments Construction Sub-Totals	\$ 210,166.95
---	----------------------

Mobilization (10%)	\$ 21,016.70
Maintenance of Traffic (10%)	\$ 21,016.70
Project Unknowns (25%)	\$ 63,050.09

Project Construction Total	\$ 315,250.43
-----------------------------------	----------------------

Final Design / Engineering (25%)	\$ 78,812.61
Construction Engineering Inspection (CEI) (15%)	\$ 47,287.56

GRAND TOTAL	\$ 441,350.60
--------------------	----------------------

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$ 529,620.71
5 years Estimated Project Cost	1.5	\$ 662,025.89

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Sidewalk - 9					
Park Avenue - from Webster Avenue to Palmer Avenue (0.29 MI)					
Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	Sediment Barrier	1550.00	LF	\$ 3.00	\$ 4,650.00
110-1-1	Clearing and Grubbing	0.59	AC	\$ 31,506.62	\$ 18,498.20
120-1	Regular Excavation	281.23	CY	\$ 5.84	\$ 1,642.39
120-6	Embankment	615.60	CY	\$ 11.07	\$ 6,814.65
522-1	Concrete Sidewalk (4" Thick)	1092.05	SY	\$ 74.73	\$ 81,608.56
527-2	Detectable Warnings	29.36	SF	\$ 38.74	\$ 1,137.25
526-1-1	Pavers, Architectural, Roadway	10.00	SY	\$ 120.85	\$ 1,208.50
570-1-2	Performance Turf, Sod	1033.65	SY	\$ 4.72	\$ 4,878.82

Segments Construction Sub-Totals	\$ 120,438.38
---	----------------------

Mobilization (10%)	\$ 12,043.84
Maintenance of Traffic (10%)	\$ 12,043.84
Project Unknowns (25%)	\$ 36,131.51

Project Construction Total	\$ 180,657.56
-----------------------------------	----------------------

Final Design / Engineering (25%)	\$ 45,164.39
Construction Engineering Inspection (CEI) (15%)	\$ 27,098.63

GRAND TOTAL	\$ 252,920.59
--------------------	----------------------

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$ 303,504.71
5 years Estimated Project Cost	1.5	\$ 379,380.88

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Sidewalk - 10					
Loch Berry Road - from Lakemont Avenue to Darcy drive (0.30 MI)					
Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	Sediment Barrier	1600.00	LF	\$ 3.00	\$ 4,800.00
110-1-1	Clearing and Grubbing	0.61	AC	\$ 31,506.62	\$ 19,094.92
120-1	Regular Excavation	290.30	CY	\$ 5.84	\$ 1,695.37
120-6	Embankment	635.45	CY	\$ 11.07	\$ 7,034.48
522-1	Concrete Sidewalk (4" Thick)	1127.27	SY	\$ 74.73	\$ 84,241.09
527-2	Detectable Warnings	30.30	SF	\$ 38.74	\$ 1,173.94
570-1-2	Performance Turf, Sod	1066.99	SY	\$ 4.72	\$ 5,036.20

Segments Construction Sub-Totals	\$ 123,076.00
---	----------------------

Mobilization (10%)	\$ 12,307.60
Maintenance of Traffic (10%)	\$ 12,307.60
Project Unknowns (25%)	\$ 36,922.80

Project Construction Total	\$ 184,614.00
-----------------------------------	----------------------

Final Design / Engineering (25%)	\$ 46,153.50
Construction Engineering Inspection (CEI) (15%)	\$ 27,692.10

GRAND TOTAL	\$ 258,459.60
--------------------	----------------------

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$ 310,151.52
5 years Estimated Project Cost	1.5	\$ 387,689.40

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Sidewalk - 11					
Lake Sue Avenue - from Winter Park Road to Laurel Road (0.09 MI)					
Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	Sediment Barrier	500.00	LF	\$ 3.00	\$ 1,500.00
110-1-1	Clearing and Grubbing	0.19	AC	\$ 31,506.62	\$ 5,967.16
120-1	Regular Excavation	90.72	CY	\$ 5.84	\$ 529.80
120-6	Embankment	198.58	CY	\$ 11.07	\$ 2,198.28
522-1	Concrete Sidewalk (4" Thick)	352.27	SY	\$ 74.73	\$ 26,325.34
527-2	Detectable Warnings	9.47	SF	\$ 38.74	\$ 366.86
526-1-1	Pavers, Architectural, Roadway	10.00	SY	\$ 120.85	\$ 1,208.50
570-1-2	Performance Turf, Sod	333.43	SY	\$ 4.72	\$ 1,573.81

Segments Construction Sub-Totals	\$ 39,669.75
---	---------------------

Mobilization (10%)	\$ 3,966.98
Maintenance of Traffic (10%)	\$ 3,966.98
Project Unknowns (25%)	\$ 11,900.93

Project Construction Total	\$ 59,504.63
-----------------------------------	---------------------

Final Design / Engineering (25%)	\$ 14,876.16
Construction Engineering Inspection (CEI) (15%)	\$ 8,925.69

GRAND TOTAL	\$ 83,306.48
--------------------	---------------------

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$ 99,967.77
5 years Estimated Project Cost	1.5	\$ 124,959.71

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Sidewalk - 12					
Palmer Avenue - from Park Avenue to Old England Avenue (0.12 MI)					
Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	Sediment Barrier	650.00	LF	\$ 3.00	\$ 1,950.00
110-1-1	Clearing and Grubbing	0.25	AC	\$ 31,506.62	\$ 7,757.31
120-1	Regular Excavation	117.94	CY	\$ 5.84	\$ 688.74
120-6	Embankment	258.15	CY	\$ 11.07	\$ 2,857.76
522-1	Concrete Sidewalk (4" Thick)	457.95	SY	\$ 74.73	\$ 34,222.94
527-2	Detectable Warnings	12.31	SF	\$ 38.74	\$ 476.91
570-1-2	Performance Turf, Sod	433.47	SY	\$ 4.72	\$ 2,045.96

Segments Construction Sub-Totals	\$ 49,999.63
---	---------------------

Mobilization (10%)	\$ 4,999.96
Maintenance of Traffic (10%)	\$ 4,999.96
Project Unknowns (25%)	\$ 14,999.89

Project Construction Total	\$ 74,999.44
-----------------------------------	---------------------

Final Design / Engineering (25%)	\$ 18,749.86
Construction Engineering Inspection (CEI) (15%)	\$ 11,249.92

GRAND TOTAL	\$ 104,999.21
--------------------	----------------------

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$ 125,999.06
5 years Estimated Project Cost	1.5	\$ 157,498.82

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Sidewalk - 13					
Palmer Avenue - from Alabama Drive to Temple Drive (0.17 MI)					
Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	Sediment Barrier	900.00	LF	\$ 3.00	\$ 2,700.00
110-1-1	Clearing and Grubbing	0.34	AC	\$ 31,506.62	\$ 10,740.89
120-1	Regular Excavation	163.30	CY	\$ 5.84	\$ 953.65
120-6	Embankment	357.44	CY	\$ 11.07	\$ 3,956.90
522-1	Concrete Sidewalk (4" Thick)	634.09	SY	\$ 74.73	\$ 47,385.61
527-2	Detectable Warnings	17.05	SF	\$ 38.74	\$ 660.34
570-1-2	Performance Turf, Sod	600.18	SY	\$ 4.72	\$ 2,832.86

Segments Construction Sub-Totals	\$ 69,230.25
---	---------------------

Mobilization (10%)	\$ 6,923.03
Maintenance of Traffic (10%)	\$ 6,923.03
Project Unknowns (25%)	\$ 20,769.08

Project Construction Total	\$ 103,845.38
-----------------------------------	----------------------

Final Design / Engineering (25%)	\$ 25,961.34
Construction Engineering Inspection (CEI) (15%)	\$ 15,576.81

GRAND TOTAL	\$ 145,383.53
--------------------	----------------------

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$ 174,460.23
5 years Estimated Project Cost	1.5	\$ 218,075.29

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Sidewalk - 14					
Park Avenue - from Green Cove Road to Pennsylvania Avenue (0.32 MI)					
Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	Sediment Barrier	850.00	LF	\$ 3.00	\$ 2,550.00
110-1-1	Clearing and Grubbing	0.32	AC	\$ 31,506.62	\$ 10,144.18
120-1	Regular Excavation	154.22	CY	\$ 5.84	\$ 900.67
120-6	Embankment	337.59	CY	\$ 11.07	\$ 3,737.07
522-1	Concrete Sidewalk (4" Thick)	598.86	SY	\$ 74.73	\$ 44,753.08
527-2	Detectable Warnings	16.10	SF	\$ 38.74	\$ 623.66
570-1-2	Performance Turf, Sod	566.84	SY	\$ 4.72	\$ 2,675.48

Segments Construction Sub-Totals	\$ 65,384.13
---	---------------------

Mobilization (10%)	\$ 6,538.41
Maintenance of Traffic (10%)	\$ 6,538.41
Project Unknowns (25%)	\$ 19,615.24

Project Construction Total	\$ 98,076.19
-----------------------------------	---------------------

Final Design / Engineering (25%)	\$ 24,519.05
Construction Engineering Inspection (CEI) (15%)	\$ 14,711.43

GRAND TOTAL	\$ 137,306.66
--------------------	----------------------

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$ 164,768.00
5 years Estimated Project Cost	1.5	\$ 205,959.99

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Sidewalk - 15					
Park Avenue - from Pennsylvania Avenue to Denning Drive (0.26 MI)					
Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	Sediment Barrier	1350.00	LF	\$ 3.00	\$ 4,050.00
110-1-1	Clearing and Grubbing	0.51	AC	\$ 31,506.62	\$ 16,111.34
120-1	Regular Excavation	244.94	CY	\$ 5.84	\$ 1,430.47
120-6	Embankment	536.16	CY	\$ 11.07	\$ 5,935.34
522-1	Concrete Sidewalk (4" Thick)	951.14	SY	\$ 74.73	\$ 71,078.42
527-2	Detectable Warnings	25.57	SF	\$ 38.74	\$ 990.51
548-12	Retaining Wall System, Permanent, Excluding Barrier	1050.00	SF	\$ 44.62	\$ 46,851.00
570-1-2	Performance Turf, Sod	900.27	SY	\$ 4.72	\$ 4,249.29

Segments Construction Sub-Totals	\$ 150,696.38
---	----------------------

Mobilization (10%)	\$ 15,069.64
Maintenance of Traffic (10%)	\$ 15,069.64
Project Unknowns (25%)	\$ 45,208.91

Project Construction Total	\$ 226,044.56
-----------------------------------	----------------------

Final Design / Engineering (25%)	\$ 56,511.14
Construction Engineering Inspection (CEI) (15%)	\$ 33,906.68

GRAND TOTAL	\$ 316,462.39
--------------------	----------------------

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$ 379,754.87
5 years Estimated Project Cost	1.5	\$ 474,693.58

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Sidewalk - 16					
Park Avenue - from Palmer Avenue to New York Avenue (0.19 MI)					
Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	Sediment Barrier	1000.00	LF	\$ 3.00	\$ 3,000.00
110-1-1	Clearing and Grubbing	0.38	AC	\$ 31,506.62	\$ 11,934.33
120-1	Regular Excavation	181.44	CY	\$ 5.84	\$ 1,059.61
120-6	Embankment	397.16	CY	\$ 11.07	\$ 4,396.55
522-1	Concrete Sidewalk (4" Thick)	704.55	SY	\$ 74.73	\$ 52,650.68
526-1-1	Pavers, Architectural, Roadway	10.00	SY	\$ 120.85	\$ 1,208.50
527-2	Detectable Warnings	37.88	SF	\$ 38.74	\$ 1,467.42
548-12	Retaining Wall System, Permanent, Excluding Barrier	700.00	SF	\$ 44.62	\$ 31,234.00
570-1-2	Performance Turf, Sod	666.87	SY	\$ 4.72	\$ 3,147.62

Segments Construction Sub-Totals	\$ 110,098.71
---	----------------------

Mobilization (10%)	\$ 11,009.87
Maintenance of Traffic (10%)	\$ 11,009.87
Project Unknowns (25%)	\$ 33,029.61

Project Construction Total	\$ 165,148.07
-----------------------------------	----------------------

Final Design / Engineering (25%)	\$ 41,287.02
Construction Engineering Inspection (CEI) (15%)	\$ 24,772.21

GRAND TOTAL	\$ 231,207.30
--------------------	----------------------

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$ 277,448.75
5 years Estimated Project Cost	1.5	\$ 346,810.94

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Sidewalk - 17					
Phelps Avenue - from Aloma Avenue to Lakehurst Avenue (0.30 MI)					
Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	Sediment Barrier	1600.00	LF	\$ 3.00	\$ 4,800.00
110-1-1	Clearing and Grubbing	0.61	AC	\$ 31,506.62	\$ 19,094.92
120-1	Regular Excavation	290.30	CY	\$ 5.84	\$ 1,695.37
120-6	Embankment	635.45	CY	\$ 11.07	\$ 7,034.48
522-1	Concrete Sidewalk (4" Thick)	1127.27	SY	\$ 74.73	\$ 84,241.09
527-2	Detectable Warnings	30.30	SF	\$ 38.74	\$ 1,173.94
570-1-2	Performance Turf, Sod	1066.99	SY	\$ 4.72	\$ 5,036.20

Segments Construction Sub-Totals	\$ 123,076.00
---	----------------------

Mobilization (10%)	\$ 12,307.60
Maintenance of Traffic (10%)	\$ 12,307.60
Project Unknowns (25%)	\$ 36,922.80

Project Construction Total	\$ 184,614.00
-----------------------------------	----------------------

Final Design / Engineering (25%)	\$ 46,153.50
Construction Engineering Inspection (CEI) (15%)	\$ 27,692.10

GRAND TOTAL	\$ 258,459.60
--------------------	----------------------

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$ 310,151.52
5 years Estimated Project Cost	1.5	\$ 387,689.40

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Sidewalk - 18					
Louisiana Avenue - from Wilma Avenue to Denning Drive (0.19 MI)					
Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	Sediment Barrier	2000.00	LF	\$ 3.00	\$ 6,000.00
110-1-1	Clearing and Grubbing	0.76	AC	\$ 31,506.62	\$ 23,868.65
120-1	Regular Excavation	362.88	CY	\$ 5.84	\$ 2,119.21
120-6	Embankment	794.32	CY	\$ 11.07	\$ 8,793.10
522-1	Concrete Sidewalk (4" Thick)	1409.09	SY	\$ 74.73	\$ 105,301.36
527-2	Detectable Warnings	37.88	SF	\$ 38.74	\$ 1,467.42
526-1-1	Pavers, Architectural, Roadway	10.00	SY	\$ 120.85	\$ 1,208.50
570-1-2	Performance Turf, Sod	1333.74	SY	\$ 4.72	\$ 6,295.25

Segments Construction Sub-Totals	\$ 155,053.50
---	----------------------

Mobilization (10%)	\$ 15,505.35
Maintenance of Traffic (10%)	\$ 15,505.35
Project Unknowns (25%)	\$ 46,516.05

Project Construction Total	\$ 232,580.25
-----------------------------------	----------------------

Final Design / Engineering (25%)	\$ 58,145.06
Construction Engineering Inspection (CEI) (15%)	\$ 34,887.04

GRAND TOTAL	\$ 325,612.35
--------------------	----------------------

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$ 390,734.82
5 years Estimated Project Cost	1.5	\$ 488,418.53

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Sidewalk - 19					
Stovin Avenue - from Park Avenue to Palmer Avenue (0.08 MI)					
Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	Sediment Barrier	400.00	LF	\$ 3.00	\$ 1,200.00
110-1-1	Clearing and Grubbing	0.15	AC	\$ 31,506.62	\$ 4,773.73
120-1	Regular Excavation	72.58	CY	\$ 5.84	\$ 423.84
120-6	Embankment	158.86	CY	\$ 11.07	\$ 1,758.62
522-1	Concrete Sidewalk (4" Thick)	281.82	SY	\$ 74.73	\$ 21,060.27
527-2	Detectable Warnings	7.58	SF	\$ 38.74	\$ 293.48
570-1-2	Performance Turf, Sod	266.75	SY	\$ 4.72	\$ 1,259.05

Segments Construction Sub-Totals	\$ 30,769.00
---	---------------------

Mobilization (10%)	\$ 3,076.90
Maintenance of Traffic (10%)	\$ 3,076.90
Project Unknowns (25%)	\$ 9,230.70

Project Construction Total	\$ 46,153.50
-----------------------------------	---------------------

Final Design / Engineering (25%)	\$ 11,538.38
Construction Engineering Inspection (CEI) (15%)	\$ 6,923.03

GRAND TOTAL	\$ 64,614.90
--------------------	---------------------

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$ 77,537.88
5 years Estimated Project Cost	1.5	\$ 96,922.35

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Sidewalk - 20					
Temple Drive - from Palmer Avenue to Woodmere Drive (0.34 MI)					
Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	Sediment Barrier	1800.00	LF	\$ 3.00	\$ 5,400.00
110-1-1	Clearing and Grubbing	0.68	AC	\$ 31,506.62	\$ 21,481.79
120-1	Regular Excavation	326.59	CY	\$ 5.84	\$ 1,907.29
120-6	Embankment	714.89	CY	\$ 11.07	\$ 7,913.79
522-1	Concrete Sidewalk (4" Thick)	1268.18	SY	\$ 74.73	\$ 94,771.23
527-2	Detectable Warnings	34.09	SF	\$ 38.74	\$ 1,320.68
570-1-2	Performance Turf, Sod	1200.36	SY	\$ 4.72	\$ 5,665.72

Segments Construction Sub-Totals	\$ 138,460.50
---	----------------------

Mobilization (10%)	\$ 13,846.05
Maintenance of Traffic (10%)	\$ 13,846.05
Project Unknowns (25%)	\$ 41,538.15

Project Construction Total	\$ 207,690.75
-----------------------------------	----------------------

Final Design / Engineering (25%)	\$ 51,922.69
Construction Engineering Inspection (CEI) (15%)	\$ 31,153.61

GRAND TOTAL	\$ 290,767.05
--------------------	----------------------

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$ 348,920.46
5 years Estimated Project Cost	1.5	\$ 436,150.58

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Sidewalk - 21					
Temple Drive - from Via Lugano to Howell Branch Road (0.75 MI)					
Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	Sediment Barrier	3950.00	LF	\$ 3.00	\$ 11,850.00
110-1-1	Clearing and Grubbing	1.50	AC	\$ 31,506.62	\$ 47,140.59
120-1	Regular Excavation	716.69	CY	\$ 5.84	\$ 4,185.44
120-6	Embankment	1568.78	CY	\$ 11.07	\$ 17,366.38
400-0-11	Concrete Class NS, Gravity Wall	561.08	CY	\$ 1,329.82	\$ 358,900.28
515-1-1	Pipe Handrail - Guiderail, Steel	1200.00	LF	\$ 131.42	\$ 157,704.00
522-1	Concrete Sidewalk (4" Thick)	2782.95	SY	\$ 74.73	\$ 207,970.19
526-1-1	Pavers, Architectural, Roadway	10.00	SY	\$ 120.85	\$ 1,208.50
527-2	Detectable Warnings	74.81	SF	\$ 38.74	\$ 2,898.16
570-1-2	Performance Turf, Sod	2634.13	SY	\$ 4.72	\$ 12,433.11

Segments Construction Sub-Totals	\$ 821,656.66
---	----------------------

Mobilization (10%)	\$ 82,165.67
Maintenance of Traffic (10%)	\$ 82,165.67
Project Unknowns (25%)	\$ 246,497.00

Project Construction Total	\$1,232,484.99
-----------------------------------	-----------------------

Final Design / Engineering (25%)	\$ 308,121.25
Construction Engineering Inspection (CEI) (15%)	\$ 184,872.75

GRAND TOTAL	\$1,725,478.98
--------------------	-----------------------

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$2,070,574.78
5 years Estimated Project Cost	1.5	\$2,588,218.48

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Sidewalk - 22					
Temple Trail - from Howell Branch Road To 300' N of Cove Trail (0.31 MI)					
Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	Sediment Barrier	1650.00	LF	\$ 3.00	\$ 4,950.00
110-1-1	Clearing and Grubbing	0.63	AC	\$ 31,506.62	\$ 19,691.64
120-1	Regular Excavation	299.38	CY	\$ 5.84	\$ 1,748.35
120-6	Embankment	655.31	CY	\$ 11.07	\$ 7,254.31
400-0-11	Concrete Class NS, Gravity Wall	21.00	CY	\$ 1,329.82	\$ 27,926.22
458 -1-24	Bridge Deck Expansion Joint, Rehabilitation, Finger Joint	50.00	LF	\$ 562.00	\$ 28,100.00
515-1-1	Pipe Handrail - Guiderail, Steel	150.00	LF	\$ 131.42	\$ 19,713.00
522-1	Concrete Sidewalk (4" Thick)	1162.50	SY	\$ 74.73	\$ 86,873.63
527-2	Detectable Warnings	31.25	SF	\$ 38.74	\$ 1,210.63
570-1-2	Performance Turf, Sod	1100.33	SY	\$ 4.72	\$ 5,193.58

Segments Construction Sub-Totals	\$ 202,661.35
---	----------------------

Mobilization (10%)	\$ 20,266.13
Maintenance of Traffic (10%)	\$ 20,266.13
Project Unknowns (25%)	\$ 60,798.40

Project Construction Total	\$ 303,992.02
-----------------------------------	----------------------

Final Design / Engineering (25%)	\$ 75,998.00
Construction Engineering Inspection (CEI) (15%)	\$ 45,598.80

GRAND TOTAL	\$ 425,588.82
--------------------	----------------------

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$ 510,706.59
5 years Estimated Project Cost	1.5	\$ 638,383.24

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Sidewalk - 23					
Wymore Road - from Franklin Avenue to Lee Road (0.34 MI)					
Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	Sediment Barrier	1800.00	LF	\$ 3.00	\$ 5,400.00
110-1-1	Clearing and Grubbing	0.68	AC	\$ 31,506.62	\$ 21,481.79
120-1	Regular Excavation	326.59	CY	\$ 5.84	\$ 1,907.29
120-6	Embankment	714.89	CY	\$ 11.07	\$ 7,913.79
400-0-11	Concrete Class NS, Gravity Wall	140.00	CY	\$ 1,329.82	\$ 186,174.80
515-1-1	Pipe Handrail - Guiderail, Steel	1000.00	LF	\$ 131.42	\$ 131,420.00
522-1	Concrete Sidewalk (4" Thick)	1268.18	SY	\$ 74.73	\$ 94,771.23
527-2	Detectable Warnings	34.09	SF	\$ 38.74	\$ 1,320.68
570-1-2	Performance Turf, Sod	1200.36	SY	\$ 4.72	\$ 5,665.72

Segments Construction Sub-Totals	\$ 456,055.30
---	----------------------

Mobilization (10%)	\$ 45,605.53
Maintenance of Traffic (10%)	\$ 45,605.53
Project Unknowns (25%)	\$ 136,816.59

Project Construction Total	\$ 684,082.95
-----------------------------------	----------------------

Final Design / Engineering (25%)	\$ 171,020.74
Construction Engineering Inspection (CEI) (15%)	\$ 102,612.44

GRAND TOTAL	\$ 957,716.13
--------------------	----------------------

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$1,149,259.36
5 years Estimated Project Cost	1.5	\$1,436,574.20

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Sidewalk - 24					
Virginia Drive dead end					
Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	Sediment Barrier	1000.00	LF	\$ 3.00	\$ 3,000.00
110-1-1	Clearing and Grubbing	0.38	AC	\$ 31,506.62	\$ 11,934.33
120-1	Regular Excavation	181.44	CY	\$ 5.84	\$ 1,059.61
120-6	Embankment	397.16	CY	\$ 11.07	\$ 4,396.55
515-1-1	Pipe Handrail - Guiderail, Steel	2000.00	LF	\$ 131.42	\$ 262,840.00
520-1-10	Concrete Curb & Gutter, Type F	56.00	LF	\$ 48.88	\$ 2,737.28
522-1	Concrete Sidewalk (4" Thick)	704.55	SY	\$ 74.73	\$ 52,650.68
527-2	Detectable Warnings	18.94	SF	\$ 38.74	\$ 733.71
570-1-2	Performance Turf, Sod	666.87	SY	\$ 4.72	\$ 3,147.62

Segments Construction Sub-Totals	\$ 327,565.45
---	----------------------

Mobilization (10%)	\$ 32,756.55
Maintenance of Traffic (10%)	\$ 32,756.55
Project Unknowns (25%)	\$ 98,269.64

Project Construction Total	\$ 491,348.18
-----------------------------------	----------------------

Final Design / Engineering (25%)	\$ 122,837.05
Construction Engineering Inspection (CEI) (15%)	\$ 73,702.23

GRAND TOTAL	\$ 687,887.45
--------------------	----------------------

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$ 825,464.94
5 years Estimated Project Cost	1.5	\$1,031,831.18

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Sidewalk - 25					
Webster Avenue - from Pennsylvania Avenue to Interlachen Avenue (0.62 MI)					
Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	Sediment Barrier	3250.00	LF	\$ 3.00	\$ 9,750.00
110-1-1	Clearing and Grubbing	1.23	AC	\$ 31,506.62	\$ 38,786.56
120-1	Regular Excavation	589.68	CY	\$ 5.84	\$ 3,443.72
120-6	Embankment	1290.77	CY	\$ 11.07	\$ 14,288.79
522-1	Concrete Sidewalk (4" Thick)	2289.77	SY	\$ 74.73	\$ 171,114.72
527-2	Detectable Warnings	61.55	SF	\$ 38.74	\$ 2,384.56
570-1-2	Performance Turf, Sod	2167.33	SY	\$ 4.72	\$ 10,229.78

Segments Construction Sub-Totals	\$ 249,998.13
---	----------------------

Mobilization (10%)	\$ 24,999.81
Maintenance of Traffic (10%)	\$ 24,999.81
Project Unknowns (25%)	\$ 74,999.44

Project Construction Total	\$ 374,997.19
-----------------------------------	----------------------

Final Design / Engineering (25%)	\$ 93,749.30
Construction Engineering Inspection (CEI) (15%)	\$ 56,249.58

GRAND TOTAL	\$ 524,996.06
--------------------	----------------------

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$ 629,995.28
5 years Estimated Project Cost	1.5	\$ 787,494.09

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Shared Use Path and Greenway Projects				
Priority	Roadway	Location	Improvements	Cost Estimate
1	City Bike Map	Citywide	Finalize design and print map	\$ 100,000.00
2	Northeast Connector Trail	Lander Road to Suffield Drive	Shared-use path	\$ 159,000.00
3	S Denning Drive	Minnesota Avenue to Mead Gardens	Shared-use path	\$ 1,233,000.00
4	Routes: North & East	North/east of Webster Ave	Signs, sharrows, traffic calming	\$ 142,000.00
5	St. Andrews Trail	SR 426 to Cady Way Trail	Shared-use path	\$ 9,498,000.00
6	Routes: Downtown & West	Webster Ave to Oxford Rd	Signs, sharrows, traffic calming	\$ 209,000.00
7	Routes: South	South of Oxford Rd	Signs, sharrows, traffic calming	\$ 142,000.00
8	Church Trail	Perth Lane to Lakemont Avenue	Shared-use path	\$ 1,080,000.00
9	Railroad Trail	New York Avenue to Central Park	Shared-use path	\$ 2,176,000.00
10	Railroad Trail	N. Denning Drive to New York Avenue	Shared-use path	\$ 412,000.00
11	Ward Park Trail	Cady Way to St. Andrews	Shared-use path	\$ 602,000.00
12	17-92 overpass	Solana Avenue	Overpass & Shared-use path	\$ 6,578,000.00
13	Howell Branch Road	Maitland City Line to Seminole Co. Line	Shared-use path	\$ 1,535,000.00
14	Tennis Center Trail	Denning Drive to Melrose Avenue	Current City project	underway
15	Cady Way	Reconfigure bikeway, Perth Lane to Cady Way Trail	Current City project	underway

Shared Use Path & Greenway - 2					
Northeast Connector Trail - from Lander Road to Suffield Drive (0.09 MI)					
Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	SEDIMENT BARRIER	500	LF	\$ 3.00	\$ 1,500.00
110-1-1	CLEARING & GRUBBING	0.35	AC	\$ 31,506.62	\$ 10,949.74
120-1	REGULAR EXCAVATION	311	CY	\$ 5.84	\$ 1,816.70
120-6	EMBANKMENT	227	CY	\$ 11.07	\$ 2,513.81
160-4	TYPE B STABILIZATION	889	SY	\$ 9.61	\$ 8,542.23
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	639	SY	\$ 74.73	\$ 47,744.11
527-2	DETECTABLE WARNINGS	9	SF	\$ 38.74	\$ 366.86
570-1-2	PERFORMANCE TURF, SOD	402	SY	\$ 4.72	\$ 1,896.11
Segments Construction Sub-Totals					\$ 75,329.56

Mobilization (10%)	\$	7,532.96
Maintenance of Traffic (10%)	\$	7,532.96
Project Unknowns (25%)	\$	22,598.87

Project Construction Total	\$	112,994.34
-----------------------------------	-----------	-------------------

Final Design / Engineering (25%)	\$	28,248.59
Construction Engineering Inspection (CEI) (15%)	\$	16,949.15

GRAND TOTAL	\$	158,192.08
--------------------	-----------	-------------------

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$ 189,830.50
5 years Estimated Project Cost	1.5	\$ 237,288.12

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Shared Use Path & Greenway - 3

South Denning Drive - from Minnesota Avenue to Mead Gardens (0.24 MI)

Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
N/A	RAILROAD CROSSING	1.00	LS	\$ 100,000.00	\$ 100,000.00
104-10-3	SEDIMENT BARRIER	1250	LF	\$ 3.00	\$ 3,750.00
104-18	INLET PROTECTION SYSTEM	3	EA	\$ 204.95	\$ 679.29
110-1-1	CLEARING & GRUBBING	0.87	AC	\$ 31,506.62	\$ 27,374.36
120-1	REGULAR EXCAVATION	1555	CY	\$ 5.84	\$ 9,083.52
120-6	EMBANKMENT	1135	CY	\$ 11.07	\$ 12,569.06
160-4	TYPE B STABILIZATION	2222	SY	\$ 9.61	\$ 21,355.56
425-1-451	INLETS, CURB, TYPE J-5,	1	EA	\$ 15,367.32	\$ 15,367.32
425-1-521	INLETS, DT BOT, TYPE C,	2	EA	\$ 9,367.26	\$ 18,734.52
425-2-71	MANHOLES, J-7,	1	EA	\$ 17,255.74	\$ 17,255.74
430-175-112	PIPE CULV, OPT MATL, ROUND, 12"S/CD	151	LF	\$ 670.17	\$ 100,906.28
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	203	LF	\$ 309.73	\$ 62,767.25
520-1-10	CONCRETE CURB & GUTTER, TYPE F	1250	LF	\$ 48.88	\$ 61,100.00
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	1597	SY	\$ 74.73	\$ 119,360.28
527-2	DETECTABLE WARNINGS	24	SF	\$ 38.74	\$ 917.14
570-1-2	PERFORMANCE TURF, SOD	1004	SY	\$ 4.72	\$ 4,740.27
711-14191	THERMOPLASTIC, PREFORMED, 6" WHITE, RAILROAD DYNAMIC ENVELOPE	136	LF	\$ 5.83	\$ 792.24
711-14193	THERMOPLASTIC, PREFORMED, 12" WHITE ON ASPHALT PAVEMENT, RAILROAD DYNAMIC ENVELOPE	939	LF	\$ 10.58	\$ 9,938.79

Segments Construction Sub-Totals	\$ 586,691.62
---	----------------------

Mobilization (10%)	\$ 58,669.16
Maintenance of Traffic (10%)	\$ 58,669.16
Project Unknowns (25%)	\$ 176,007.49

Project Construction Total	\$ 880,037.44
-----------------------------------	----------------------

Final Design / Engineering (25%)	\$ 220,009.36
Construction Engineering Inspection (CEI) (15%)	\$ 132,005.62

GRAND TOTAL **\$ 1,232,052.41**

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$ 1,478,462.89
5 years Estimated Project Cost	1.5	\$ 1,848,078.62

NOTES:

- This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
- Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
- This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
- Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Shared Use Path & Greenway - 4					
Greenway Route: North and East of Webster Avenue					
Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
700-1-11	SINGLE POST SIGN, F&I GM,	39.00	AS	\$ 510.78	\$ 19,920.42
700-1-12	SINGLE POST SIGN, F&I GM, 12-20	7.00	AS	\$ 1,716.78	\$ 12,017.46
700-1-60	SINGLE POST SIGN, REMOVE	5.00	AS	\$ 53.25	\$ 266.25
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	40.00	EA	\$ 179.27	\$ 7,170.80

Segments Construction Sub-Totals	\$ 39,374.93
---	---------------------

Mobilization (10%)	\$ 3,937.49
Maintenance of Traffic (10%)	\$ 3,937.49
Project Unknowns (25%)	\$ 11,812.48

Project Construction Total	\$ 59,062.40
-----------------------------------	---------------------

Final Design / Engineering (25%)	\$ 14,765.60
Enhancements/Landscaping/Traffic calming (100%)	\$ 59,062.40
Construction Engineering Inspection (CEI) (15%)	\$ 8,859.36

GRAND TOTAL	\$ 141,749.75
--------------------	----------------------

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$ 170,099.70
5 years Estimated Project Cost	1.5	\$ 212,624.62

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

ENGINEER'S ESTIMATE OF PROBABLE COST

St. Andrews Trail

6/28/2022

PAY ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL AMOUNT
1 GENERAL					
102-1	MOT	LS	1	10%	\$743,719.73
101-1	MOBILIZATION	LS	1	15%	\$1,227,137.56
SUBTOTAL					\$1,970,857.29

2 ROADWAY					
104-99	EROSION AND SEDIMENT CONTROL	LS	1	\$20,000.00	\$20,000.00
110-1-1	CLEARING & GRUBBING	LS	1	\$90,000.00	\$90,000.00
110-1-98	SELECTIVE PRUNING	MH	96	\$75.00	\$7,200.00
110-1-99	SELECTIVE DEBRIS REMOVAL	MH	96	\$80.00	\$7,680.00
110-4-10	REMOVAL OF EXIST CONC	SY	527	\$44.74	\$23,577.98
120-99	EARTHWORK	LS	1	\$400,000.00	\$400,000.00
160-4	TYPE B STABILIZATION	SY	219	\$13.05	\$2,857.95
285-706	OPTIONAL BASE, BASE GROUP 06	SY	219	\$19.10	\$4,182.90
334-1-52	SUPERPAVE ASPHALTIC CONC, TRAFFIC B, PG76-22	TN	24	\$133.19	\$3,196.56
520-2-4	CONCRETE CURB, TYPE D	LF	207	\$48.12	\$9,960.84
522-1	CONCRETE SIDEWALK, 4"	SY	4,415	\$62.75	\$277,041.25
522-2	CONCRETE SIDEWALK, 6", DRIVEWAY	SY	157	\$82.50	\$12,952.50
527-2	DETECTABLE WARNINGS	SF	41	\$32.88	\$1,348.08
548-20	SEGMENTAL CONCRETE RETAINING WALL SYSTEM	SF	995	\$65.00	\$64,675.00
550-10-222	FENCING, TYPE B, 6.0', W/ VINYL COATING	LF	868	\$42.00	\$36,456.00
550-10-228	FENCING, TYPE B, 6.0', RESET EXISTING	LF	82	\$15.00	\$1,230.00
570-1-2	PERFORMANCE TURF, SOD	SY	18200	\$3.87	\$70,434.00
700-1-11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	5	\$424.65	\$2,123.25
711-11-125	THERMOPLASTIC, STD, WHITE, SOLID FOR STOP LINE, 24"	LF	16	\$5.98	\$95.68
SUBTOTAL					\$1,035,011.99

3 DRAINAGE					
400-4-1	CONC. CLASS IV, CULVERTS (CBC)	CY	2,322	\$1,860.15	\$4,319,268.30
415-1-1	REINFORCING STEEL, ROADWAY (CBC)	LB	375,418	\$1.49	\$559,372.82
425-1-521	INLETS, DITCH BOTTOM, TYPE C	EA	12	\$5,202.29	\$62,427.48
425-1-523	INLETS, DITCH BOTTOM, TYPE C, J BOT.	EA	2	\$7,500.00	\$15,000.00
425-2-91	MANHOLES, J-8, <10'	EA	4	\$14,121.23	\$56,484.92
425-2-92	MANHOLES, J-8, >10'	EA	6	\$23,328.90	\$139,973.40
425-2-93	MANHOLES, J-8, PARTIAL	EA	1	\$4,806.00	\$4,806.00
430-175-112	PIPE CULV, OPT MATL, ROUND, 12" S/CD	LF	4	\$158.93	\$635.72
430-175-115	PIPE CULV, OPT MATL, ROUND, 15" S/CD	LF	15	\$243.07	\$3,646.05
430-175-118	PIPE CULV, OPT MATL, ROUND, 18" S/CD	LF	240	\$132.82	\$31,876.80
430-175-124	PIPE CULV, OPT MATL, ROUND, 24" S/CD	LF	16	\$184.08	\$2,945.28
430-175-136	PIPE CULV, OPT MATL, ROUND, 36" S/CD	LF	22	\$230.71	\$5,075.62
430-175-142	PIPE CULV, OPT MATL, ROUND, 42" S/CD	LF	8	\$250.00	\$2,000.00
430-175-154	PIPE CULV, OPT MATL, ROUND, 54" S/CD	LF	14	\$500.00	\$7,000.00
430-175-160	PIPE CULV, OPT MATL, ROUND, 60" S/CD	LF	156	\$800.00	\$124,800.00
430-175-172	PIPE CULV, OPT MATL, ROUND, 72" S/CD	LF	963	\$1,000.00	\$963,000.00
430-175-272	PIPE CULV, OPT MATL, OTHER SHAPE - ELIP/ARCH, 72" S/CD	LF	25	\$2,500.00	\$62,500.00
430-984-143	MITERED END SECTION, ROUND, 60" SD	EA	1	\$9,500.00	\$9,500.00
SUBTOTAL					\$6,370,312.39

4 LANDSCAPE					
999-AR	ACER RUBRUM 'FLAME'/FLAME' RED MAPLE/45 GAL. 2.5"	EA	2	\$225.00	\$450.00
999-QV	QUERCUS VIRGINIANA/LIVE OAK/65 GAL. 3"	EA	5	\$1,050.00	\$5,250.00
999-CC	CERCIS CANADENSIS/REDBUD/30 GAL. 2"	EA	11	\$330.00	\$3,630.00
999-IC	ILEX CASSINE/DAHOON HOLLY/30 GAL. 2"	EA	19	\$315.00	\$5,985.00
999-IV	ILEX VOMITORIA/YAUPON HOLLY/30 GAL. 2"	EA	6	\$290.00	\$1,740.00
999-IF	ILLICUM FLORIDANUM/FLORIDA ANISE/7 GAL. 24-30"	EA	171	\$36.00	\$6,156.00
999-JP	JUNIPERUS CHINENSIS 'PARSONII'/PARSON'S JUNIPER/3 GAL.	EA	14	\$12.00	\$168.00
999-VO	VIBURNUM ODORATISSIMUM/SWEET VIBURNUM/7 GAL. 24-30"	EA	177	\$36.00	\$6,372.00
999-VD	VIBURNUM OBOVATUM 'DENSEA', 'MS SCHILLERS'/WALTER'S VIBURNUM/3 GAL.	EA	35	\$11.00	\$385.00
999-ZF	ZAMIA FLORIDANA/COONTIE/3 GAL.	EA	6	\$22.00	\$132.00
999-TA	TRACHELOSPERUM ASIATICUM 'MINIMA'/DWARF ASIATIC JASMINE/1 GAL.	EA	583	\$2.65	\$1,544.95
999-TF	TRIPSACUM FLORIDANUM/DWARF FAKAHATCHEE GRASS/1 GAL.	EA	12	\$5.00	\$60.00
SUBTOTAL					\$31,872.95

BASE BID TOTAL:	\$9,408,054.62
------------------------	-----------------------

5		ADDITIVE PAY ITEMS				
120-99A	EARTHWORK	LS	1	\$25,000.00	\$25,000.00	
520-2-4A	CONCRETE CURB, TYPE D	LF	44	\$48.12	\$2,117.28	
522-1A	CONCRETE SIDEWALK, 4"	SY	662	\$62.75	\$41,540.50	
522-99	FIBER REINFORCEMENT FOR CONCRETE SIDEWALK	LS	1	\$5,000.00	\$5,000.00	
526-1-1	PAVERS, ROADWAY	SY	105	\$120.18	\$12,618.90	
570-1-2A	PERFORMANCE TURF, SOD	SY	750	\$3.87	\$2,902.50	
				SUBTOTAL	\$89,179.18	

ADDITIVE BID TOTAL:	\$89,179.18
----------------------------	--------------------

SOURCE: FDOT HISTORICAL ITEM AVERAGE UNIT COST AREA 8 (06/01/2021 - 05/31/2022)

GRAND TOTAL:	\$9,497,233.80
---------------------	-----------------------

NOTE:

PREPARED BY: BMJ
 CHECKED BY: SPD
 APPROVED BY: SMK

Shared Use Path & Greenway - 6

Greenway Route: Downtown and West from Webster Avenue to Oxford Road

Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
700-1-11	SINGLE POST SIGN, F&I GM,	58	AS	\$ 510.78	\$ 29,625.24
700-1-12	SINGLE POST SIGN, F&I GM, 12-20	10	AS	\$ 1,716.78	\$ 17,167.80
700-1-60	SINGLE POST SIGN, REMOVE	7	AS	\$ 53.25	\$ 372.75
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	60	EA	\$ 179.27	\$ 10,756.20

Segments Construction Sub-Totals	\$ 57,921.99
---	---------------------

Mobilization (10%)	\$ 5,792.20
Maintenance of Traffic (10%)	\$ 5,792.20
Project Unknowns (25%)	\$ 17,376.60

Project Construction Total	\$ 86,882.99
-----------------------------------	---------------------

Final Design / Engineering (25%)	\$ 21,720.75
Enhancements/Landscaping/Traffic calming (100%)	\$ 86,882.99
Construction Engineering Inspection (CEI) (15%)	\$ 13,032.45

GRAND TOTAL	\$ 208,519.16
--------------------	----------------------

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$ 250,223.00
5 years Estimated Project Cost	1.5	\$ 312,778.75

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Shared Use Path & Greenway - 7					
Greenway Route: South of Oxford Road					
Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
700-1-11	SINGLE POST SIGN, F&I GM,	39	AS	\$ 510.78	\$ 19,920.42
700-1-12	SINGLE POST SIGN, F&I GM, 12-20	7	AS	\$ 1,716.78	\$ 12,017.46
700-1-60	SINGLE POST SIGN, REMOVE	5	AS	\$ 53.25	\$ 266.25
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	40	EA	\$ 179.27	\$ 7,170.80

Segments Construction Sub-Totals	\$ 39,374.93
---	---------------------

Mobilization (10%)	\$ 3,937.49
Maintenance of Traffic (10%)	\$ 3,937.49
Project Unknowns (25%)	\$ 11,812.48

Project Construction Total	\$ 59,062.40
-----------------------------------	---------------------

Final Design / Engineering (25%)	\$ 14,765.60
Enhancements/Landscaping/Traffic calming (100%)	\$ 59,062.40
Construction Engineering Inspection (CEI) (15%)	\$ 8,859.36

GRAND TOTAL	\$ 141,749.75
--------------------	----------------------

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$ 170,099.70
5 years Estimated Project Cost	1.5	\$ 212,624.62

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Shared Use Path & Greenway - 8					
Church Trail - from Perth Lane to Lakemont Avenue (0.24 MI)					
Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	SEDIMENT BARRIER	1250	LF	\$ 3.00	\$ 3,750.00
110-1-1	CLEARING & GRUBBING	0.87	AC	\$ 31,506.62	\$ 27,374.36
120-1	REGULAR EXCAVATION	778	CY	\$ 5.84	\$ 4,541.76
120-6	EMBANKMENT	568	CY	\$ 11.07	\$ 6,284.53
160-4	TYPE B STABILIZATION	2222	SY	\$ 9.61	\$ 21,355.56
425-1-451	INLETS, CURB, TYPE J-5,	1	EA	\$ 15,367.32	\$ 15,367.32
425-1-521	INLETS, DT BOT, TYPE C,	2	EA	\$ 9,367.26	\$ 18,734.52
425-2-71	MANHOLES, J-7,	1	EA	\$ 17,255.74	\$ 17,255.74
430-175-112	PIPE CULV, OPT MATL, ROUND, 12"S/CD	151	LF	\$ 670.17	\$ 100,906.28
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	203	LF	\$ 309.73	\$ 62,767.25
520-1-10	CONCRETE CURB & GUTTER, TYPE F	1250	LF	\$ 48.88	\$ 61,100.00
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	1597	SY	\$ 74.73	\$ 119,360.28
527-2	DETECTABLE WARNINGS	24	SF	\$ 38.74	\$ 917.14
550-10354	FENCING, TYPE R, 8.1-10.0', WITH PARTIAL ENCLOSURE, TYPE R ONLY	67	LF	\$ 568.04	\$ 37,923.13
550-60215	FENCE GATE, TYPE B, SINGLE, 20.1-24.0' OPENING	2	EA	\$ 5,900.00	\$ 11,800.00
570-1-2	PERFORMANCE TURF, SOD	1004	SY	\$ 4.72	\$ 4,740.27

Segments Construction Sub-Totals	\$ 514,178.14
---	----------------------

Mobilization (10%)	\$ 51,417.81
Maintenance of Traffic (10%)	\$ 51,417.81
Project Unknowns (25%)	\$ 154,253.44

Project Construction Total	\$ 771,267.22
-----------------------------------	----------------------

Final Design / Engineering (25%)	\$ 192,816.80
Construction Engineering Inspection (CEI) (15%)	\$ 115,690.08

GRAND TOTAL	\$ 1,079,774.10
--------------------	------------------------

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
5 years Estimated Project Cost	1.2	\$ 1,295,728.92
20 years Estimated Project Cost	1.5	\$ 1,619,661.15

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Shared Use Path & Greenway - 9					
Railroad Trail - from New York Avenue to Central Park (0.25 MI)					
Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	SEDIMENT BARRIER	1300	LF	\$ 3.00	\$ 3,900.00
110-1-1	CLEARING & GRUBBING	0.90	AC	\$ 31,506.62	\$ 28,469.33
120-1	REGULAR EXCAVATION	809	CY	\$ 5.84	\$ 4,723.43
120-6	EMBANKMENT	590	CY	\$ 11.07	\$ 6,535.91
160-4	TYPE B STABILIZATION	2311	SY	\$ 9.61	\$ 22,209.79
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4	1661	SY	\$ 74.73	\$ 124,134.69
527-2	DETECTABLE WARNINGS	25	SF	\$ 38.74	\$ 953.83
570-1-2	PERFORMANCE TURF, SOD	1044	SY	\$ 4.72	\$ 4,929.88
Segments Construction Sub-Totals					\$ 195,856.86

Mobilization (10%)	\$	19,585.69
Maintenance of Traffic (10%)	\$	19,585.69
Project Unknowns (25%)	\$	58,757.06

Project Construction Total	\$	293,785.29
-----------------------------------	-----------	-------------------

Final Design / Engineering (25%)	\$	73,446.32
Construction Engineering Inspection (CEI) (15%)	\$	44,067.79

GRAND TOTAL	\$	411,299.41
--------------------	-----------	-------------------

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$ 493,559.29
5 years Estimated Project Cost	1.5	\$ 616,949.12

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Shared Use Path & Greenway - 10					
Railroad Trail - from North Denning Drive to New York Avenue (0.67 MI)					
Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	SEDIMENT BARRIER	3550	LF	\$ 3.00	\$ 10,650.00
110-1-1	CLEARING & GRUBBING	2.47	AC	\$ 31,506.62	\$ 77,743.18
120-1	REGULAR EXCAVATION	2209	CY	\$ 5.84	\$ 12,898.60
120-6	EMBANKMENT	1612	CY	\$ 11.07	\$ 17,848.07
160-4	TYPE B STABILIZATION	6311	SY	\$ 9.61	\$ 60,649.80
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	4536	SY	\$ 74.73	\$ 338,983.20
527-2	DETECTABLE WARNINGS	67	SF	\$ 38.74	\$ 2,604.68
104-18	INLET PROTECTION SYSTEM	9	EA	\$ 204.95	\$ 1,929.17
425-1-451	INLETS, CURB, TYPE J-5,	1	EA	\$ 15,367.32	\$ 10,332.19
425-1-521	INLETS, DT BOT, TYPE C,	1	EA	\$ 9,367.26	\$ 12,596.13
425-2-71	MANHOLES, J-7,	1	EA	\$ 17,255.74	\$ 11,601.87
430-175-112	PIPE CULV, OPT MATL, ROUND, 12"S/CD	428	LF	\$ 670.17	\$ 286,573.83
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	576	LF	\$ 309.73	\$ 178,259.00
570-1-2	PERFORMANCE TURF, SOD	2852	SY	\$ 4.72	\$ 13,462.37
Segments Construction Sub-Totals					\$1,036,132.09

Mobilization (10%)	\$ 103,613.21
Maintenance of Traffic (10%)	\$ 103,613.21
Project Unknowns (25%)	\$ 310,839.63

Project Construction Total	\$1,554,198.13
-----------------------------------	-----------------------

Final Design / Engineering (25%)	\$ 388,549.53
Construction Engineering Inspection (CEI) (15%)	\$ 233,129.72

GRAND TOTAL	\$2,175,877.38
--------------------	-----------------------

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$2,611,052.86
5 years Estimated Project Cost	1.5	\$3,263,816.07

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Shared Use Path & Greenway - 11					
Ward Park Trail - from Cady Way to St. Andrews Boulevard (0.36 MI)					
Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	SEDIMENT BARRIER	1900	LF	\$ 3.00	\$ 5,700.00
110-1-1	CLEARING & GRUBBING	1.32	AC	\$ 31,506.62	\$ 41,609.03
120-1	REGULAR EXCAVATION	1182	CY	\$ 5.84	\$ 6,903.48
120-6	EMBANKMENT	863	CY	\$ 11.07	\$ 9,552.49
160-4	TYPE B STABILIZATION	3378	SY	\$ 9.61	\$ 32,460.46
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	2428	SY	\$ 74.73	\$ 181,427.63
527-2	DETECTABLE WARNINGS	36	SF	\$ 38.74	\$ 1,394.05
570-1-2	PERFORMANCE TURF, SOD	1527	SY	\$ 4.72	\$ 7,205.21

Segments Construction Sub-Totals	\$ 286,252.34
---	----------------------

Mobilization (10%)	\$ 28,625.23
Maintenance of Traffic (10%)	\$ 28,625.23
Project Unknowns (25%)	\$ 85,875.70

Project Construction Total	\$ 429,378.51
-----------------------------------	----------------------

Final Design / Engineering (25%)	\$ 107,344.63
Construction Engineering Inspection (CEI) (15%)	\$ 64,406.78

GRAND TOTAL	\$ 601,129.91
--------------------	----------------------

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$ 721,355.89
5 years Estimated Project Cost	1.5	\$ 901,694.87

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Shared Use Path & Greenway - 12					
17-92 Pedestrian Overpass Solana Avenue to Maitland					
Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
N/A	PEDESTRIAN OVERPASS	12800.00	SQ FT	\$ 240.00	\$ 3,072,000.00
104-10-3	SEDIMENT BARRIER	400	LF	\$ 3.00	\$ 1,200.00
110-1-1	CLEARING & GRUBBING	0.28	AC	\$ 31,506.62	\$ 8,759.79
120-1	REGULAR EXCAVATION	249	CY	\$ 5.84	\$ 1,453.36
120-6	EMBANKMENT	182	CY	\$ 11.07	\$ 2,011.05
160-4	TYPE B STABILIZATION	711	SY	\$ 9.61	\$ 6,833.77
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4'	511	SY	\$ 74.73	\$ 38,195.25
527-2	DETECTABLE WARNINGS	8	SF	\$ 38.74	\$ 293.48
570-1-2	PERFORMANCE TURF, SOD	321	SY	\$ 4.72	\$ 1,516.88
Segments Construction Sub-Totals					\$ 3,132,263.59

Mobilization (10%)	\$	313,226.36
Maintenance of Traffic (\$	313,226.36
Project Unknowns (25%	\$	939,679.08

Project Construction Total	\$	4,698,395.38
-----------------------------------	-----------	---------------------

Final Design / Engineering (25%)	\$	1,174,598.85
Construction Engineering Inspection (CEI) (15%)	\$	704,759.31

GRAND TOTAL	\$	6,577,753.54
--------------------	-----------	---------------------

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
5 years Estimated Project Cost	1.2	\$ 7,893,304.25
20 years Estimated Project Cost	1.5	\$ 9,866,630.31

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Shared Use Path & Greenway - 13

Howell Branch Road - from Maitland City Line to Seminole County Line (0.92 MI)

Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	SEDIMENT BARRIER	4850	LF	\$ 3.00	\$ 14,550.00
110-1-1	CLEARING & GRUBBING	3.37	AC	\$ 31,506.62	\$ 106,212.52
120-1	REGULAR EXCAVATION	3017	CY	\$ 5.84	\$ 17,622.03
120-6	EMBANKMENT	2203	CY	\$ 11.07	\$ 24,383.98
160-4	TYPE B STABILIZATION	8622	SY	\$ 9.61	\$ 82,859.58
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	6197	SY	\$ 74.73	\$ 463,117.89
527-2	DETECTABLE WARNINGS	92	SF	\$ 38.74	\$ 3,558.50
570-1-2	PERFORMANCE TURF, SOD	3897	SY	\$ 4.72	\$ 18,392.25

Segments Construction Sub-Totals	\$ 730,696.76
---	----------------------

Mobilization (10%)	\$ 73,069.68
Maintenance of Traffic (10%)	\$ 73,069.68
Project Unknowns (25%)	\$ 219,209.03

Project Construction Total	\$ 1,096,045.14
-----------------------------------	------------------------

Final Design / Engineering (25%)	\$ 274,011.28
Construction Engineering Inspection (CEI) (15%)	\$ 164,406.77

GRAND TOTAL	\$ 1,534,463.19
--------------------	------------------------

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
5 years Estimated Project Cost	1.2	\$ 1,841,355.83
20 years Estimated Project Cost	1.5	\$ 2,301,694.79

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Crossing Projects					
Priority	Roadway	Segment	No. of lanes	Improvements	COST
1	Temple Drive	Via Salerno (brick pavers)	2	Curb ramps & RRFB	\$ 163,000.00
2	Pennsylvania Ave	Melrose Ave (brick pavers)	2	Curb ramps & RRFB	\$ 161,000.00
3	Lake Sue Ave	Highland Ave/Forest Rd (brick pavers)	2	Curb ramps & RRFB	\$ 153,000.00
4	Fairbanks Ave	Ohio St (east leg)	5	Full median & signal	\$ 1,775,000.00
5	Fairbanks Ave	Jackson Ave	5	Full median & signal	\$ 1,821,000.00
6	Fairbanks Ave	Shoreview Ave	5	Full median & signal	\$ 1,775,000.00
7	Temple Drive	Whitesell Drive (brick pavers)	2	Curb ramps & RRFB	\$ 140,000.00
8	Howell Branch Rd	Sanbina St/Mandan Trail	5	Full median & signal	\$ 1,967,000.00
9	Lakemont Avenue	Goodrich Avenue	3	Curb ramps & RRFB	\$ 155,000.00
10	Phelps Avenue	Lakehurst Avenue (brick pavers)	2	Curb ramps & RRFB	\$ 145,000.00
11	Lee Rd	Turner Rd	6	Full median & signal	\$ 1,904,000.00
12	Winter Park Rd	Spring Ln/Wright Ave	2	Curb ramps & RRFB	\$ 153,000.00
13	Lakemont Avenue	Oakhurst Ave	4	Full median & signal	\$ 1,717,000.00
14	Lakemont Avenue	Loch Berry Rd	2	Curb ramps & RRFB	\$ 171,000.00
15	Aloma Ave	Strathy Ln (west leg)	4	Full median & signal	\$ 1,887,000.00
16	Glenridge Way	Stonehurst Rd/Brandywine Dr	2	Curb ramps & RRFB	\$ 160,000.00
17	Glenridge Way	St. George St	2	Curb ramps & RRFB	\$ 168,000.00

Crossing - 1					
Temple Drive at/near Via Salerno					
Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	SEDIMENT BARRIER	64.80	LF	\$ 3.00	\$ 194.39
110-1-1	CLEARING & GRUBBING	0.04	AC	\$ 31,506.62	\$ 1,331.41
120-1	REGULAR EXCAVATION	9.02	CY	\$ 5.84	\$ 52.65
120-6	EMBANKMENT	19.30	CY	\$ 11.07	\$ 213.63
520-1-10	CONCRETE CURB & GUTTER, TYPE F	225.38	LF	\$ 48.88	\$ 11,016.40
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	154.95	SY	\$ 74.73	\$ 11,579.13
527-2	DETECTABLE WARNINGS	67.61	SF	\$ 38.74	\$ 2,619.32
570-1-2	PERFORMANCE TURF, SOD	986.02	SF	\$ 4.72	\$ 4,654.02
654-2-28	MIDBLOCK CROSSWALK: REC RAPID FLASHING BEACON, FURNISH/INSTALL- SOLAR, SIGN ASSEMBLY- BACK-BACK ACCESSIBLE DETECTOR	2.00	AS	\$ 20,000.00	\$ 40,000.00
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	176.08	LF	\$ 3.24	\$ 570.48
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	6.00	EA	\$ 179.27	\$ 1,075.62
Segments Construction Sub-Totals					\$ 77,155.91
					Mobilization (10%) \$ 7,715.59
					Maintenance of Traffic (10%) \$ 7,715.59
					Project Unknowns (25%) \$ 23,146.77
Project Construction Total					\$ 115,733.87
					Final Design / Engineering (25%) \$ 28,933.47
					Construction Engineering Inspection (CEI) (15%) \$ 17,360.08
GRAND TOTAL					\$ 162,027.42

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$ 194,432.90
5 years Estimated Project Cost	1.5	\$ 243,041.13

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Crossing - 2					
Pennsylvania Ave at/near Melrose Ave					
Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	SEDIMENT BARRIER	63.89	LF	\$ 3.00	\$ 191.67
110-1-1	CLEARING & GRUBBING	0.04	AC	\$ 31,506.62	\$ 1,312.78
120-1	REGULAR EXCAVATION	8.89	CY	\$ 5.84	\$ 51.91
120-6	EMBANKMENT	19.03	CY	\$ 11.07	\$ 210.64
520-1-10	CONCRETE CURB & GUTTER, TYPE F	222.22	LF	\$ 48.88	\$ 10,862.22
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	152.78	SY	\$ 74.73	\$ 11,417.08
527-2	DETECTABLE WARNINGS	66.67	SF	\$ 38.74	\$ 2,582.67
570-1-2	PERFORMANCE TURF, SOD	972.22	SF	\$ 4.72	\$ 4,588.89
654-2-28	MIDBLOCK CROSSWALK: REC RAPID FLASHING BEACON, FURNISH/INSTALL- SOLAR, SIGN ASSEMBLY- BACK-BACK ACCESSIBLE DETECTOR	2.00	AS	\$ 20,000.00	\$ 40,000.00
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	173.61	LF	\$ 3.24	\$ 562.50
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	6.00	EA	\$ 179.27	\$ 1,075.62

Segments Construction Sub-Totals **\$ 76,650.97**

Mobilization (10%)	\$ 7,665.10
Maintenance of Traffic (10%)	\$ 7,665.10
Project Unknowns (25%)	\$ 22,995.29

Project Construction Total **\$ 114,976.46**

Final Design / Engineering (25%)	\$ 28,744.11
Construction Engineering Inspection (CEI) (15%)	\$ 17,246.47

GRAND TOTAL **\$ 160,967.04**

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$ 193,160.45
5 years Estimated Project Cost	1.5	\$ 241,450.56

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Crossing - 3					
Lake Sue Ave at/near Highland Ave					
Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	SEDIMENT BARRIER	56.86	LF	\$ 3.00	\$ 170.58
110-1-1	CLEARING & GRUBBING	0.04	AC	\$ 31,506.62	\$ 1,168.37
120-1	REGULAR EXCAVATION	7.91	CY	\$ 5.84	\$ 46.20
120-6	EMBANKMENT	16.93	CY	\$ 11.07	\$ 187.47
520-1-10	CONCRETE CURB & GUTTER, TYPE F	197.78	LF	\$ 48.88	\$ 9,667.38
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	135.97	SY	\$ 74.73	\$ 10,161.20
527-2	DETECTABLE WARNINGS	59.33	SF	\$ 38.74	\$ 2,298.57
570-1-2	PERFORMANCE TURF, SOD	865.28	SF	\$ 4.72	\$ 4,084.11
654-2-28	MIDBLOCK CROSSWALK: REC RAPID FLASHING BEACON, FURNISH/INSTALL- SOLAR, SIGN ASSEMBLY- BACK-BACK ACCESSIBLE DETECTOR	2.00	AS	\$ 20,000.00	\$ 40,000.00
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	154.51	LF	\$ 3.24	\$ 500.63
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	5.00	EA	\$ 179.27	\$ 896.35

Segments Construction Sub-Totals **\$ 72,558.41**

Mobilization (10%)	\$ 7,255.84
Maintenance of Traffic (10%)	\$ 7,255.84
Project Unknowns (25%)	\$ 21,767.52

Project Construction Total **\$ 108,837.62**

Final Design / Engineering (25%)	\$ 27,209.41
Construction Engineering Inspection (CEI) (15%)	\$ 16,325.64

GRAND TOTAL **\$ 152,372.67**

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$ 182,847.20
5 years Estimated Project Cost	1.5	\$ 228,559.00

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Crossing - 4

Fairbanks Ave at/near Ohio St

Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	SEDIMENT BARRIER	733.02	LF	\$ 3.00	\$ 2,199.06
104-15	SOIL TRACKING PREVENTION DEVICE	2.00	EA	\$ 4,570.14	\$ 9,140.28
104-18	INLET PROTECTION SYSTEM	3.00	EA	\$ 204.95	\$ 614.85
107-1	LITTER REMOVAL	0.83	AC	\$ 42.64	\$ 35.52
107-2	MOWING	0.83	AC	\$ 56.49	\$ 47.05
110-1-1	CLEARING & GRUBBING	1.67	AC	\$ 31,506.62	\$ 52,488.69
120-1	REGULAR EXCAVATION	671.94	CY	\$ 5.84	\$ 3,924.11
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	1292.56	CY	\$ 31.00	\$ 40,069.39
160-4	TYPE B STABILIZATION	1187.49	SY	\$ 9.61	\$ 11,411.82
285-709	OPTIONAL BASE, BASE GROUP 09	1004.24	SY	\$ 31.65	\$ 31,784.17
327-70-4	MILLING EXIST ASPH PAVT, 3" AVG DEPTH	1303.15	SY	\$ 4.12	\$ 5,368.97
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	182.44	TN	\$ 164.67	\$ 30,042.57
520-1-10	CONCRETE CURB & GUTTER, TYPE F	871.85	LF	\$ 48.88	\$ 42,616.08
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	407.23	SY	\$ 74.73	\$ 30,432.62
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	58.31	LF	\$ 36.89	\$ 2,151.00
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	985.69	LF	\$ 15.83	\$ 15,603.50
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	739.96	LF	\$ 34.21	\$ 25,314.13
630-2-14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND	11.11	LF	\$ 45.20	\$ 502.01
632-7-1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	1.00	PI	\$ 9,209.38	\$ 9,209.38
633-1-121	FIBER OPTIC CABLE, F&I, UNDERGROUND, 2-12 FIBERS	24.99	LF	\$ 4.07	\$ 101.71
633-1-122	FIBER OPTIC CABLE, F&I, UNDERGROUND, 13-48 FIBERS	1828.94	LF	\$ 3.28	\$ 5,998.94
633-2-31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	6.00	EA	\$ 53.84	\$ 323.04
633-3-11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	2.00	EA	\$ 1,509.12	\$ 3,018.24
633-3-12	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY	2.00	EA	\$ 101.96	\$ 203.92
633-3-15	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED PATCH PANEL	2.00	EA	\$ 1,640.60	\$ 3,281.20
633-8-1	MULTI-CONDUCTOR COMMUNICATION CABLE, FURNISH & INSTALL	1086.76	LF	\$ 87.20	\$ 94,765.43
635-2-12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	7.00	EA	\$ 2,802.06	\$ 19,614.42
635-2-13	PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	2.00	EA	\$ 5,589.94	\$ 11,179.88
635-2-14	PULL & SPLICE BOX, F&I, 17" X 30" COVER SIZE	3.00	EA	\$ 1,714.65	\$ 5,143.95
639-1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	1.00	AS	\$ 4,640.41	\$ 4,640.41
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	27.77	LF	\$ 8.99	\$ 249.62
639-4-6	EMERGENCY GENERATOR - PORTABLE, INSTALL HOUSING ONLY	1.00	EA	\$ 10,450.00	\$ 10,450.00
641-2-12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	1.00	EA	\$ 2,224.20	\$ 2,224.20
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	4.00	EA	\$ 2,665.22	\$ 10,660.88
649-21-3	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 40'	1.00	EA	\$ 67,914.18	\$ 67,914.18
649-21-6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	1.00	EA	\$ 73,953.74	\$ 73,953.74
650-1-14	VEH TRAF SIGNAL, F&I ALUMINUM, 3 S 1 W	6.00	EA	\$ 1,664.67	\$ 9,988.02
650-1-16	VEH TRAF SIGNAL, F&I ALUMINUM, 4 S 1 W	3.00	EA	\$ 2,047.93	\$ 6,143.79
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	4.00	EA	\$ 979.46	\$ 3,917.84
660-3-11	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL CABINET EQUIPMENT	1.00	EA	\$ 6,750.20	\$ 6,750.20
660-3-12	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	2.00	EA	\$ 13,003.79	\$ 26,007.58
663-1-111	PREMPTION SYSTEM, OPTICAL, CABINET	1.00	EA	\$ 6,596.11	\$ 6,596.11
663-1-112	PREMPTION SYSTEM, OPTICAL, DETECTOR	2.00	EA	\$ 4,220.32	\$ 8,440.64
663-1-121	PREMPTION SYSTEM, GPS, CABINET	1.00	EA	\$ 7,794.98	\$ 7,794.98
663-1-122	PREMPTION SYSTEM, GPS, DETECTOR	2.00	EA	\$ 6,745.08	\$ 13,490.16
665-1-12	PEDESTRIAN DETECTOR, FURNISH & INSTALL, ACCESSIBLE	4.00	EA	\$ 2,182.10	\$ 8,728.40
670-5-110	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA	1.00	AS	\$ 45,695.48	\$ 45,695.48
682-1-113	ITS CCTV CAMERA, F&I, DOME PTZ ENCLOSURE - PRESSURIZED, IP, HIGH DEFINI	1.00	EA	\$ 7,787.02	\$ 7,787.02
684-1-1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	1.00	EA	\$ 4,501.80	\$ 4,501.80
685-1-13	UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, LINE INTERACTIVE WITH CABINET	1.00	EA	\$ 9,761.21	\$ 9,761.21
700-3-201	SIGN PANEL, F&I OM, UP TO 12 SF	3.00	EA	\$ 957.16	\$ 2,871.48
700-5-22	INTERNAL ILLUM SIGN, F&I OM, 12-18 SF	2.00	EA	\$ 4,942.88	\$ 9,885.76
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	173.54	LF	\$ 3.24	\$ 562.26
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	6.00	EA	\$ 179.27	\$ 1,075.62
711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	229.07	LF	\$ 16.56	\$ 3,793.39
711-15-101	THERMOPLASTIC, STD-OP, WHITE, SOLID, 6"	0.15	GM	\$ 6,356.61	\$ 970.74
711-15-131	THERMOPLASTIC, STD-OP, WHITE, SKIP, 6"	0.11	GM	\$ 2,159.14	\$ 239.80
711-15-201	THERMOPLASTIC, STD-OP, YELLOW, SOLID, 6"	0.15	GM	\$ 6,336.51	\$ 967.67

Segments Construction Sub-Totals	\$ 845,168.45
---	----------------------

Mobilization (10%)	\$ 84,516.84
Maintenance of Traffic (10%)	\$ 84,516.84
Project Unknowns (25%)	\$ 253,550.53

Project Construction Total	\$ 1,267,752.67
-----------------------------------	------------------------

Final Design / Engineering (25%)	\$ 316,938.17
Construction Engineering Inspection (CEI) (15%)	\$ 190,162.90

GRAND TOTAL	\$ 1,774,853.74
--------------------	------------------------

	Inflation-Adjusted Estimate	Inflation Factor		Adjusted Cost
	2 years Estimated Project Cost	1.2		\$ 2,129,824.49
	5 years Estimated Project Cost	1.5		\$ 2,662,280.61

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Crossing - 5					
Fairbanks Ave at/near Jackson Ave					
Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	SEDIMENT BARRIER	769.58	LF	\$ 3.00	\$ 2,308.75
104-15	SOIL TRACKING PREVENTION DEVICE	2.00	EA	\$ 4,570.14	\$ 9,140.28
104-18	INLET PROTECTION SYSTEM	3.00	EA	\$ 204.95	\$ 614.85
107-1	LITTER REMOVAL	0.87	AC	\$ 42.64	\$ 37.29
107-2	MOWING	0.87	AC	\$ 56.49	\$ 49.40
110-1-1	CLEARING & GRUBBING	1.75	AC	\$ 31,506.62	\$ 55,106.86
120-1	REGULAR EXCAVATION	705.45	CY	\$ 5.84	\$ 4,119.84
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	1357.03	CY	\$ 31.00	\$ 42,068.08
160-4	TYPE B STABILIZATION	1246.73	SY	\$ 9.61	\$ 11,981.05
285-709	OPTIONAL BASE, BASE GROUP 09	1054.33	SY	\$ 31.65	\$ 33,369.59
327-70-4	MILLING EXIST ASPH PAVT, 3" AVG DEPTH	1368.15	SY	\$ 4.12	\$ 5,636.78
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	191.54	TN	\$ 164.67	\$ 31,541.12
520-1-10	CONCRETE CURB & GUTTER, TYPE F	915.34	LF	\$ 48.88	\$ 44,741.80
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	427.55	SY	\$ 74.73	\$ 31,950.62
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	61.22	LF	\$ 36.89	\$ 2,258.29
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	1034.86	LF	\$ 15.83	\$ 16,381.81
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	776.87	LF	\$ 34.21	\$ 26,576.81
630-2-14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND	11.66	LF	\$ 45.20	\$ 527.05
632-7-1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTAL	1.00	PI	\$ 9,209.38	\$ 9,209.38
633-1-121	FIBER OPTIC CABLE, F&I, UNDERGROUND, 2-12 FIBERS	26.24	LF	\$ 4.07	\$ 106.78
633-1-122	FIBER OPTIC CABLE, F&I, UNDERGROUND, 13-48 FIBERS	1920.17	LF	\$ 3.28	\$ 6,298.17
633-2-31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	6.00	EA	\$ 53.84	\$ 323.04
633-3-11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	2.00	EA	\$ 1,509.12	\$ 3,018.24
633-3-12	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY	2.00	EA	\$ 101.96	\$ 203.92
633-3-15	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED PATCH PANEL	2.00	EA	\$ 1,640.60	\$ 3,281.20
633-8-1	MULTI-CONDUCTOR COMMUNICATION CABLE, FURNISH & INSTALL	1140.97	LF	\$ 87.20	\$ 99,492.40
635-2-12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	7.00	EA	\$ 2,802.06	\$ 19,614.42
635-2-13	PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	2.00	EA	\$ 5,589.94	\$ 11,179.88
635-2-14	PULL & SPLICE BOX, F&I, 17" X 30" COVER SIZE	3.00	EA	\$ 1,714.65	\$ 5,143.95
639-1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	1.00	AS	\$ 4,640.41	\$ 4,640.41
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	29.15	LF	\$ 8.99	\$ 262.07
639-4-6	EMERGENCY GENERATOR - PORTABLE, INSTALL HOUSING ONLY	1.00	EA	\$ 10,450.00	\$ 10,450.00
641-2-12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	1.00	EA	\$ 2,224.20	\$ 2,224.20
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	4.00	EA	\$ 2,665.22	\$ 10,660.88
649-21-3	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 40'	1.00	EA	\$ 67,914.18	\$ 67,914.18
649-21-6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	1.00	EA	\$ 73,953.74	\$ 73,953.74
650-1-14	VEH TRAF SIGNAL, F&I ALUMINUM, 3 S 1 W	6.00	EA	\$ 1,664.67	\$ 9,988.02
650-1-16	VEH TRAF SIGNAL, F&I ALUMINUM, 4 S 1 W	3.00	EA	\$ 2,047.93	\$ 6,143.79
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	4.00	EA	\$ 979.46	\$ 3,917.84
660-3-11	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL CABINET EQUIPMENT	1.00	EA	\$ 6,750.20	\$ 6,750.20
660-3-12	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	2.00	EA	\$ 13,003.79	\$ 26,007.58
663-1-111	PREMPTION SYSTEM, OPTICAL, CABINET	1.00	EA	\$ 6,596.11	\$ 6,596.11
663-1-112	PREMPTION SYSTEM, OPTICAL, DETECTOR	2.00	EA	\$ 4,220.32	\$ 8,440.64
663-1-121	PREMPTION SYSTEM, GPS, CABINET	1.00	EA	\$ 7,794.98	\$ 7,794.98
663-1-122	PREMPTION SYSTEM, GPS, DETECTOR	2.00	EA	\$ 6,745.08	\$ 13,490.16
665-1-12	PEDESTRIAN DETECTOR, FURNISH & INSTALL, ACCESSIBLE	4.00	EA	\$ 2,182.10	\$ 8,728.40
670-5-110	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA	1.00	AS	\$ 45,695.48	\$ 45,695.48
682-1-113	ITS CCTV CAMERA, F&I, DOME PTZ ENCLOSURE - PRESSURIZED, IP, HIGH DEF	1.00	EA	\$ 7,787.02	\$ 7,787.02
684-1-1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	1.00	EA	\$ 4,501.80	\$ 4,501.80
685-1-13	UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, LINE INTERACTIVE WITH CABINET	1.00	EA	\$ 9,761.21	\$ 9,761.21
700-3-201	SIGN PANEL, F&I OM, UP TO 12 SF	3.00	EA	\$ 957.16	\$ 2,871.48
700-5-22	INTERNAL ILLUM SIGN, F&I OM, 12-18 SF	2.00	EA	\$ 4,942.88	\$ 9,885.76
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	182.19	LF	\$ 3.24	\$ 590.31
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	6.00	EA	\$ 179.27	\$ 1,075.62
711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	240.50	LF	\$ 16.56	\$ 3,982.60
711-15-101	THERMOPLASTIC, STD-OP, WHITE, SOLID, 6"	0.16	GM	\$ 6,356.61	\$ 1,019.16
711-15-131	THERMOPLASTIC, STD-OP, WHITE, SKIP, 6"	0.12	GM	\$ 2,159.14	\$ 251.76
711-15-201	THERMOPLASTIC, STD-OP, YELLOW, SOLID, 6"	0.16	GM	\$ 6,336.51	\$ 1,015.93

Segments Construction Sub-Totals	\$ 866,824.65
---	----------------------

Mobilization (10%)	\$ 86,682.47
Maintenance of Traffic (10%)	\$ 86,682.47
Project Unknowns (25%)	\$ 260,047.40

Project Construction Total	\$ 1,300,236.98
-----------------------------------	------------------------

Final Design / Engineering (25%)	\$ 325,059.24
Construction Engineering Inspection (CEI) (15%)	\$ 195,035.55

GRAND TOTAL	\$ 1,820,331.77
--------------------	------------------------

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$ 2,184,398.12
5 years Estimated Project Cost	1.5	\$ 2,730,497.65

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the

Crossing - 6

Fairbanks Ave at/near Shoreview Ave

Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	SEDIMENT BARRIER	733.02	LF	\$ 3.00	\$ 2,199.06
104-15	SOIL TRACKING PREVENTION DEVICE	2.00	EA	\$ 4,570.14	\$ 9,140.28
104-18	INLET PROTECTION SYSTEM	3.00	EA	\$ 204.95	\$ 614.85
107-1	LITTER REMOVAL	0.83	AC	\$ 42.64	\$ 35.52
107-2	MOWING	0.83	AC	\$ 56.49	\$ 47.05
110-1-1	CLEARING & GRUBBING	1.67	AC	\$ 31,506.62	\$ 52,488.69
120-1	REGULAR EXCAVATION	671.94	CY	\$ 5.84	\$ 3,924.11
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	1292.56	CY	\$ 31.00	\$ 40,069.39
160-4	TYPE B STABILIZATION	1187.49	SY	\$ 9.61	\$ 11,411.82
285-709	OPTIONAL BASE, BASE GROUP 09	1004.24	SY	\$ 31.65	\$ 31,784.17
327-70-4	MILLING EXIST ASPH PAVT, 3" AVG DEPTH	1303.15	SY	\$ 4.12	\$ 5,368.97
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	182.44	TN	\$ 164.67	\$ 30,042.57
520-1-10	CONCRETE CURB & GUTTER, TYPE F	871.85	LF	\$ 48.88	\$ 42,616.08
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	407.23	SY	\$ 74.73	\$ 30,432.62
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	58.31	LF	\$ 36.89	\$ 2,151.00
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	985.69	LF	\$ 15.83	\$ 15,603.50
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	739.96	LF	\$ 34.21	\$ 25,314.13
630-2-14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND	11.11	LF	\$ 45.20	\$ 502.01
632-7-1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	1.00	PI	\$ 9,209.38	\$ 9,209.38
633-1-121	FIBER OPTIC CABLE, F&I, UNDERGROUND, 2-12 FIBERS	24.99	LF	\$ 4.07	\$ 101.71
633-1-122	FIBER OPTIC CABLE, F&I, UNDERGROUND, 13-48 FIBERS	1828.94	LF	\$ 3.28	\$ 5,998.94
633-2-31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	6.00	EA	\$ 53.84	\$ 323.04
633-3-11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	2.00	EA	\$ 1,509.12	\$ 3,018.24
633-3-12	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY	2.00	EA	\$ 101.96	\$ 203.92
633-3-15	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED PATCH PANEL	2.00	EA	\$ 1,640.60	\$ 3,281.20
633-8-1	MULTI-CONDUCTOR COMMUNICATION CABLE, FURNISH & INSTALL	1086.76	LF	\$ 87.20	\$ 94,765.43
635-2-12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	7.00	EA	\$ 2,802.06	\$ 19,614.42
635-2-13	PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	2.00	EA	\$ 5,589.94	\$ 11,179.88
635-2-14	PULL & SPLICE BOX, F&I, 17" X 30" COVER SIZE	3.00	EA	\$ 1,714.65	\$ 5,143.95
639-1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	1.00	AS	\$ 4,640.41	\$ 4,640.41
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	27.77	LF	\$ 8.99	\$ 249.62
639-4-6	EMERGENCY GENERATOR - PORTABLE, INSTALL HOUSING ONLY	1.00	EA	\$ 10,450.00	\$ 10,450.00
641-2-12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	1.00	EA	\$ 2,224.20	\$ 2,224.20
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	4.00	EA	\$ 2,665.22	\$ 10,660.88
649-21-3	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 40'	1.00	EA	\$ 67,914.18	\$ 67,914.18
649-21-6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	1.00	EA	\$ 73,953.74	\$ 73,953.74
650-1-14	VEH TRAF SIGNAL, F&I ALUMINUM, 3 S 1 W	6.00	EA	\$ 1,664.67	\$ 9,988.02
650-1-16	VEH TRAF SIGNAL, F&I ALUMINUM, 4 S 1 W	3.00	EA	\$ 2,047.93	\$ 6,143.79
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	4.00	EA	\$ 979.46	\$ 3,917.84
660-3-11	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL CABINET EQUIPMENT	1.00	EA	\$ 6,750.20	\$ 6,750.20
660-3-12	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	2.00	EA	\$ 13,003.79	\$ 26,007.58
663-1-111	PREMPTION SYSTEM, OPTICAL, CABINET	1.00	EA	\$ 6,596.11	\$ 6,596.11
663-1-112	PREMPTION SYSTEM, OPTICAL, DETECTOR	2.00	EA	\$ 4,220.32	\$ 8,440.64
663-1-121	PREMPTION SYSTEM, GPS, CABINET	1.00	EA	\$ 7,794.98	\$ 7,794.98
663-1-122	PREMPTION SYSTEM, GPS, DETECTOR	2.00	EA	\$ 6,745.08	\$ 13,490.16
665-1-12	PEDESTRIAN DETECTOR, FURNISH & INSTALL, ACCESSIBLE	4.00	EA	\$ 2,182.10	\$ 8,728.40
670-5-110	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA	1.00	AS	\$ 45,695.48	\$ 45,695.48
682-1-113	ITS CCTV CAMERA, F&I, DOME PTZ ENCLOSURE - PRESSURIZED, IP, HIGH DEFIN	1.00	EA	\$ 7,787.02	\$ 7,787.02
684-1-1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	1.00	EA	\$ 4,501.80	\$ 4,501.80
685-1-13	UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, LINE INTERACTIVE WITH CABINET	1.00	EA	\$ 9,761.21	\$ 9,761.21
700-3-201	SIGN PANEL, F&I OM, UP TO 12 SF	3.00	EA	\$ 957.16	\$ 2,871.48
700-5-22	INTERNAL ILLUM SIGN, F&I OM, 12-18 SF	2.00	EA	\$ 4,942.88	\$ 9,885.76
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	173.54	LF	\$ 3.24	\$ 562.26
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	6.00	EA	\$ 179.27	\$ 1,075.62
711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	229.07	LF	\$ 16.56	\$ 3,793.39
711-15-101	THERMOPLASTIC, STD-OP, WHITE, SOLID, 6"	0.15	GM	\$ 6,356.61	\$ 970.74
711-15-131	THERMOPLASTIC, STD-OP, WHITE, SKIP, 6"	0.11	GM	\$ 2,159.14	\$ 239.80
711-15-201	THERMOPLASTIC, STD-OP, YELLOW, SOLID, 6"	0.15	GM	\$ 6,336.51	\$ 967.67

Segments Construction Sub-Totals	\$ 845,168.45
---	----------------------

Mobilization (10%)	\$ 84,516.84
Maintenance of Traffic (10%)	\$ 84,516.84
Project Unknowns (25%)	\$ 253,550.53

Project Construction Total	\$1,267,752.67
-----------------------------------	-----------------------

Final Design / Engineering (25%)	\$ 316,938.17
Construction Engineering Inspection (CEI) (15%)	\$ 190,162.90

GRAND TOTAL	\$1,774,853.74
--------------------	-----------------------

	Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
	2 years Estimated Project Cost	1.2	\$2,129,824.49
	5 years Estimated Project Cost	1.5	\$2,662,280.61

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Crossing - 7					
Temple Drive at/near Whitesell Drive					
Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	Sediment Barrier	46.00	LF	\$ 3.00	\$ 138.00
110-1-1	Clearing & Grubbing	0.03	AC	\$ 31,506.62	\$ 945.20
120-1	Regular Excavation	6.40	CY	\$ 5.84	\$ 37.38
120-6	Embankment	13.70	CY	\$ 11.07	\$ 151.66
520-1-10	Concrete Curb & Gutter, Type F	160.00	LF	\$ 48.88	\$ 7,820.80
522-1	Concrete Sidewalk And Driveways, 4"	110.00	SY	\$ 74.73	\$ 8,220.30
527-2	Detectable Warnings	48.00	SF	\$ 38.74	\$ 1,859.52
570-1-2	Performance Turf, Sod	700.00	SF	\$ 4.72	\$ 3,304.00
654-2-28	Midblock Crosswalk: Rec Rapid Flashing Beacon, Furnish/Install- Solar, Sign Assembly- Back-Back Accessible Detector	2.00	AS	\$ 20,000.00	\$ 40,000.00
711-11-123	Thermoplastic, Standard, White, Solid, 12" For Crosswalk And Roundabout	125.00	LF	\$ 3.24	\$ 405.00
711-11-160	Thermoplastic, Standard, White, Message Or Symbol	4.00	EA	\$ 179.27	\$ 717.08

Segments Construction Sub-Totals **\$ 66,331.33**

Mobilization (10%)	\$ 6,633.13
Maintenance of Traffic (10%)	\$ 6,633.13
Project Unknowns (25%)	\$ 19,899.40

Project Construction Total **\$ 99,497.00**

Final Design / Engineering (25%)	\$ 24,874.25
Construction Engineering Inspection (CEI) (15%)	\$ 14,924.55

GRAND TOTAL **\$ 139,295.80**

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$ 167,154.96
5 years Estimated Project Cost	1.5	\$ 208,943.70

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Crossing - 8

Howell Branch Rd at/near Sanbina St

Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	SEDIMENT BARRIER	875.29	LF	\$ 3.00	\$ 2,625.86
104-15	SOIL TRACKING PREVENTION DEVICE	2.00	EA	\$ 4,570.14	\$ 9,140.28
104-18	INLET PROTECTION SYSTEM	4.00	EA	\$ 204.95	\$ 819.80
107-1	LITTER REMOVAL	0.99	AC	\$ 42.64	\$ 42.41
107-2	MOWING	0.99	AC	\$ 56.49	\$ 56.19
110-1-1	CLEARING & GRUBBING	1.99	AC	\$ 31,506.62	\$ 62,675.67
120-1	REGULAR EXCAVATION	802.35	CY	\$ 5.84	\$ 4,685.70
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	1543.42	CY	\$ 31.00	\$ 47,846.03
160-4	TYPE B STABILIZATION	1417.96	SY	\$ 9.61	\$ 13,626.62
285-709	OPTIONAL BASE,BASE GROUP 09	1199.14	SY	\$ 31.65	\$ 37,952.83
327-70-4	MILLING EXIST ASPH PAVT, 3" AVG DEPTH	1556.06	SY	\$ 4.12	\$ 6,410.98
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	217.85	TN	\$ 164.67	\$ 35,873.22
520-1-10	CONCRETE CURB & GUTTER, TYPE F	1041.06	LF	\$ 48.88	\$ 50,886.99
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	486.27	SY	\$ 74.73	\$ 36,338.97
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	69.63	LF	\$ 36.89	\$ 2,568.47
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	1176.99	LF	\$ 15.83	\$ 18,631.82
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	883.57	LF	\$ 34.21	\$ 30,227.08
630-2-14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND	13.26	LF	\$ 45.20	\$ 599.44
632-7-1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	1.00	PI	\$ 9,209.38	\$ 9,209.38
633-1-121	FIBER OPTIC CABLE, F&I, UNDERGROUND,2-12 FIBERS	29.84	LF	\$ 4.07	\$ 121.45
633-1-122	FIBER OPTIC CABLE, F&I, UNDERGROUND,13-48 FIBERS	2183.90	LF	\$ 3.28	\$ 7,163.21
633-2-31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	7.00	EA	\$ 53.84	\$ 376.88
633-3-11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	2.00	EA	\$ 1,509.12	\$ 3,018.24
633-3-12	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY	2.00	EA	\$ 101.96	\$ 203.92
633-3-15	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED PATCH PANEL	2.00	EA	\$ 1,640.60	\$ 3,281.20
633-8-1	MULTI-CONDUCTOR COMMUNICATION CABLE, FURNISH & INSTALL	1297.68	LF	\$ 87.20	\$ 113,157.47
635-2-12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	8.00	EA	\$ 2,802.06	\$ 22,416.48
635-2-13	PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	2.00	EA	\$ 5,589.94	\$ 11,179.88
635-2-14	PULL & SPLICE BOX, F&I, 17" X 30" COVER SIZE	3.00	EA	\$ 1,714.65	\$ 5,143.95
639-1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	1.00	AS	\$ 4,640.41	\$ 4,640.41
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	33.15	LF	\$ 8.99	\$ 298.06
639-4-6	EMERGENCY GENERATOR - PORTABLE, INSTALL HOUSING ONLY	1.00	EA	\$ 10,450.00	\$ 10,450.00
641-2-12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	1.00	EA	\$ 2,224.20	\$ 2,224.20
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	4.00	EA	\$ 2,665.22	\$ 10,660.88
649-21-3	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 40'	1.00	EA	\$ 67,914.18	\$ 67,914.18
649-21-6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	1.00	EA	\$ 73,953.74	\$ 73,953.74
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	7.00	EA	\$ 1,664.67	\$ 11,652.69
650-1-16	VEH TRAF SIGNAL,F&I ALUMINUM, 4 S 1 W	4.00	EA	\$ 2,047.93	\$ 8,191.72
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	4.00	EA	\$ 979.46	\$ 3,917.84
660-3-11	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL CABINET EQUIPMENT	1.00	EA	\$ 6,750.20	\$ 6,750.20
660-3-12	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	2.00	EA	\$ 13,003.79	\$ 26,007.58
663-1-111	PREMPTION SYSTEM, OPTICAL, CABINET	1.00	EA	\$ 6,596.11	\$ 6,596.11
663-1-112	PREMPTION SYSTEM, OPTICAL, DETECTOR	2.00	EA	\$ 4,220.32	\$ 8,440.64
663-1-121	PREMPTION SYSTEM, GPS, CABINET	1.00	EA	\$ 7,794.98	\$ 7,794.98
663-1-122	PREMPTION SYSTEM, GPS, DETECTOR	2.00	EA	\$ 6,745.08	\$ 13,490.16
665-1-12	PEDESTRIAN DETECTOR, FURNISH & INSTALL, ACCESSIBLE	4.00	EA	\$ 2,182.10	\$ 8,728.40
670-5-110	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA	1.00	AS	\$ 45,695.48	\$ 45,695.48
682-1-113	ITS CCTV CAMERA, F&I, DOME PTZ ENCLOSURE - PRESSURIZED, IP, HIGH DEFINI	1.00	EA	\$ 7,787.02	\$ 7,787.02
684-1-1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	1.00	EA	\$ 4,501.80	\$ 4,501.80
685-1-13	UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, LINE INTERACTIVE WITH CABINET	1.00	EA	\$ 9,761.21	\$ 9,761.21
700-3-201	SIGN PANEL, F&I OM, UP TO 12 SF	3.00	EA	\$ 957.16	\$ 2,871.48
700-5-22	INTERNAL ILLUM SIGN, F&I OM, 12-18 SF	2.00	EA	\$ 4,942.88	\$ 9,885.76
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	207.22	LF	\$ 3.24	\$ 671.38
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	7.00	EA	\$ 179.27	\$ 1,254.89
711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	273.53	LF	\$ 16.56	\$ 4,529.60
711-15-101	THERMOPLASTIC, STD-OP, WHITE, SOLID, 6"	0.18	GM	\$ 6,356.61	\$ 1,159.14
711-15-131	THERMOPLASTIC, STD-OP, WHITE, SKIP, 6"	0.13	GM	\$ 2,159.14	\$ 286.34
711-15-201	THERMOPLASTIC, STD-OP, YELLOW, SOLID, 6"	0.18	GM	\$ 6,336.51	\$ 1,155.47

Segments Construction Sub-Totals	\$ 936,382.70
---	----------------------

Mobilization (10%)	\$ 93,638.27
Maintenance of Traffic (10%)	\$ 93,638.27
Project Unknowns (25%)	\$ 280,914.81

Project Construction Total	\$1,404,574.05
-----------------------------------	-----------------------

Final Design / Engineering (25%)	\$ 351,143.51
Construction Engineering Inspection (CEI) (15%)	\$ 210,686.11

GRAND TOTAL	\$1,966,403.68
--------------------	-----------------------

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$2,359,684.41
5 years Estimated Project Cost	1.5	\$2,949,605.51

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the

Crossing - 9					
Lakemont Avenue at/near Goodrich Avenue					
Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	SEDIMENT BARRIER	58.27	LF	\$ 3.00	\$ 174.80
110-1-1	CLEARING & GRUBBING	0.04	AC	\$ 31,506.62	\$ 1,197.25
120-1	REGULAR EXCAVATION	8.11	CY	\$ 5.84	\$ 47.34
120-6	EMBANKMENT	17.35	CY	\$ 11.07	\$ 192.10
520-1-10	CONCRETE CURB & GUTTER, TYPE F	202.67	LF	\$ 48.88	\$ 9,906.35
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	139.33	SY	\$ 74.73	\$ 10,412.38
527-2	DETECTABLE WARNINGS	60.80	SF	\$ 38.74	\$ 2,355.39
570-1-2	PERFORMANCE TURF, SOD	886.67	SF	\$ 4.72	\$ 4,185.07
654-2-28	MIDBLOCK CROSSWALK: REC RAPID FLASHING BEACON, FURNISH/INSTALL- SOLAR, SIGN ASSEMBLY- BACK-BACK ACCESSIBLE DETECTOR	2.00	AS	\$ 20,000.00	\$ 40,000.00
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	158.33	LF	\$ 3.24	\$ 513.00
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	6.00	EA	\$ 179.27	\$ 1,075.62
Segments Construction Sub-Totals					\$ 73,520.34
				Mobilization (10%)	\$ 7,352.03
				Maintenance of Traffic (10%)	\$ 7,352.03
				Project Unknowns (25%)	\$ 22,056.10
Project Construction Total					\$ 110,280.51
				Final Design / Engineering (25%)	\$ 27,570.13
				Construction Engineering Inspection	\$ 16,542.08
GRAND TOTAL					\$ 154,392.72

	Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
	2 years Estimated Project Cost	1.2	\$ 185,271.26
	5 years Estimated Project Cost	1.5	\$ 231,589.07

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Crossing - 10

Phelps Avenue at/near Lakehurst Avenue

Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	SEDIMENT BARRIER	49.83	LF	\$ 3.00	\$ 149.50
110-1-1	CLEARING & GRUBBING	0.03	AC	\$ 31,506.62	\$ 1,023.97
120-1	REGULAR EXCAVATION	6.93	CY	\$ 5.84	\$ 40.49
120-6	EMBANKMENT	14.84	CY	\$ 11.07	\$ 164.30
520-1-10	CONCRETE CURB & GUTTER, TYPE F	173.33	LF	\$ 48.88	\$ 8,472.53
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	119.17	SY	\$ 74.73	\$ 8,905.33
527 2	DETECTABLE WARNINGS	52.00	SF	\$ 38.74	\$ 2,014.48
570-1-2	PERFORMANCE TURF, SOD	758.33	SF	\$ 4.72	\$ 3,579.33
654-2-28	MIDBLOCK CROSSWALK: REC RAPID FLASHING BEACON, FURNISH/INSTALL- SOLAR, SIGN ASSEMBLY- BACK-BACK ACCESSIBLE DETECTOR	2.00	AS	\$ 20,000.00	\$ 40,000.00
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	135.42	LF	\$ 3.24	\$ 438.75
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	5.00	EA	\$ 179.27	\$ 896.35

Segments Construction Sub-Totals **\$ 68,645.12**

Mobilization (10%)	\$ 6,864.51
Maintenance of Traffic (10%)	\$ 6,864.51
Project Unknowns (25%)	\$ 20,593.54

Project Construction Total **\$ 102,967.69**

Final Design / Engineering (25%)	\$ 25,741.92
Construction Engineering Inspection (CEI) (15%)	\$ 15,445.15

GRAND TOTAL **\$ 144,154.76**

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$ 172,985.71
5 years Estimated Project Cost	1.5	\$ 216,232.14

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Crossing - 11					
Lee Rd at/near Turner Rd					
Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	SEDIMENT BARRIER	824.69	LF	\$ 3.00	\$ 2,474.06
104-15	SOIL TRACKING PREVENTION DEVICE	2.00	EA	\$ 4,570.14	\$ 9,140.28
104-18	INLET PROTECTION SYSTEM	4.00	EA	\$ 204.95	\$ 819.80
107-1	LITTER REMOVAL	0.94	AC	\$ 42.64	\$ 39.96
107-2	MOWING	0.94	AC	\$ 56.49	\$ 52.94
110-1-1	CLEARING & GRUBBING	1.87	AC	\$ 31,506.62	\$ 59,052.41
120-1	REGULAR EXCAVATION	755.96	CY	\$ 5.84	\$ 4,414.82
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	1454.20	CY	\$ 31.00	\$ 45,080.07
160-4	TYPE B STABILIZATION	1335.99	SY	\$ 9.61	\$ 12,838.87
285-709	OPTIONAL BASE, BASE GROUP 09	1129.82	SY	\$ 31.65	\$ 35,758.78
327-70-4	MILLING EXIST ASPH PAVT, 3" AVG DEPTH	1466.11	SY	\$ 4.12	\$ 6,040.36
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	205.26	TN	\$ 164.67	\$ 33,799.40
520-1-10	CONCRETE CURB & GUTTER, TYPE F	980.88	LF	\$ 48.88	\$ 47,945.23
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	458.16	SY	\$ 74.73	\$ 34,238.22
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	65.60	LF	\$ 36.89	\$ 2,419.98
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	1108.95	LF	\$ 15.83	\$ 17,554.72
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	832.50	LF	\$ 34.21	\$ 28,479.66
630-2-14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND	12.50	LF	\$ 45.20	\$ 564.78
632-7-1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	1.00	PI	\$ 9,209.38	\$ 9,209.38
633-1-121	FIBER OPTIC CABLE, F&I, UNDERGROUND, 2-12 FIBERS	28.11	LF	\$ 4.07	\$ 114.43
633-1-122	FIBER OPTIC CABLE, F&I, UNDERGROUND, 13-48 FIBERS	2057.65	LF	\$ 3.28	\$ 6,749.10
633-2-31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	7.00	EA	\$ 53.84	\$ 376.88
633-3-11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	2.00	EA	\$ 1,509.12	\$ 3,018.24
633-3-12	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY	2.00	EA	\$ 101.96	\$ 203.92
633-3-15	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED PATCH PANEL	2.00	EA	\$ 1,640.60	\$ 3,281.20
633-8-1	MULTI-CONDUCTOR COMMUNICATION CABLE, FURNISH & INSTALL	1222.66	LF	\$ 87.20	\$ 106,615.87
635-2-12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	8.00	EA	\$ 2,802.06	\$ 22,416.48
635-2-13	PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	2.00	EA	\$ 5,589.94	\$ 11,179.88
635-2-14	PULL & SPLICE BOX, F&I, 17" X 30" COVER SIZE	3.00	EA	\$ 1,714.65	\$ 5,143.95
639-1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	1.00	AS	\$ 4,640.41	\$ 4,640.41
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	31.24	LF	\$ 8.99	\$ 280.83
639-4-6	EMERGENCY GENERATOR - PORTABLE, INSTALL HOUSING ONLY	1.00	EA	\$ 10,450.00	\$ 10,450.00
641-2-12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	1.00	EA	\$ 2,224.20	\$ 2,224.20
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	4.00	EA	\$ 2,665.22	\$ 10,660.88
649-21-3	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 40'	1.00	EA	\$ 67,914.18	\$ 67,914.18
649-21-6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	1.00	EA	\$ 73,953.74	\$ 73,953.74
650-1-14	VEH TRAF SIGNAL, F&I ALUMINUM, 3 S 1 W	7.00	EA	\$ 1,664.67	\$ 11,652.69
650-1-16	VEH TRAF SIGNAL, F&I ALUMINUM, 4 S 1 W	4.00	EA	\$ 2,047.93	\$ 8,191.72
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	4.00	EA	\$ 979.46	\$ 3,917.84
660-3-11	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL CABINET EQUIPMENT	1.00	EA	\$ 6,750.20	\$ 6,750.20
660-3-12	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	2.00	EA	\$ 13,003.79	\$ 26,007.58
663-1-111	PREMPTION SYSTEM, OPTICAL, CABINET	1.00	EA	\$ 6,596.11	\$ 6,596.11
663-1-112	PREMPTION SYSTEM, OPTICAL, DETECTOR	2.00	EA	\$ 4,220.32	\$ 8,440.64
663-1-121	PREMPTION SYSTEM, GPS, CABINET	1.00	EA	\$ 7,794.98	\$ 7,794.98
663-1-122	PREMPTION SYSTEM, GPS, DETECTOR	2.00	EA	\$ 6,745.08	\$ 13,490.16
665-1-12	PEDESTRIAN DETECTOR, FURNISH & INSTALL, ACCESSIBLE	4.00	EA	\$ 2,182.10	\$ 8,728.40
670-5-110	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA	1.00	AS	\$ 45,695.48	\$ 45,695.48
682-1-113	ITS CCTV CAMERA, F&I, DOME PTZ ENCLOSURE - PRESSURIZED, IP, HIGH DEFIN	1.00	EA	\$ 7,787.02	\$ 7,787.02
684-1-1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	1.00	EA	\$ 4,501.80	\$ 4,501.80
685-1-13	UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, LINE INTERACTIVE WITH CABINET	1.00	EA	\$ 9,761.21	\$ 9,761.21
700-3-201	SIGN PANEL, F&I OM, UP TO 12 SF	3.00	EA	\$ 957.16	\$ 2,871.48
700-5-22	INTERNAL ILLUM SIGN, F&I OM, 12-18 SF	2.00	EA	\$ 4,942.88	\$ 9,885.76
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	195.24	LF	\$ 3.24	\$ 632.57
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	7.00	EA	\$ 179.27	\$ 1,254.89
711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	257.71	LF	\$ 16.56	\$ 4,267.75
711-15-101	THERMOPLASTIC, STD-OP, WHITE, SOLID, 6"	0.17	GM	\$ 6,356.61	\$ 1,092.13
711-15-131	THERMOPLASTIC, STD-OP, WHITE, SKIP, 6"	0.12	GM	\$ 2,159.14	\$ 269.79
711-15-201	THERMOPLASTIC, STD-OP, YELLOW, SOLID, 6"	0.17	GM	\$ 6,336.51	\$ 1,088.67

Segments Construction Sub-Totals	\$ 906,412.92
---	----------------------

Mobilization (10%)	\$ 90,641.29
Maintenance of Traffic (10%)	\$ 90,641.29
Project Unknowns (25%)	\$ 271,923.88

Project Construction Total	\$1,359,619.39
-----------------------------------	-----------------------

Final Design / Engineering (25%)	\$ 339,904.85
Construction Engineering Inspection (CEI) (15%)	\$ 203,942.91

GRAND TOTAL	\$1,903,467.14
--------------------	-----------------------

	Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
	2 years Estimated Project Cost	1.2	\$2,284,160.57
	5 years Estimated Project Cost	1.5	\$2,855,200.71

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Crossing - 12					
Winter Park Rd at/near Spring Ln					
Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	SEDIMENT BARRIER	56.86	LF	\$ 3.00	\$ 170.58
110-1-1	CLEARING & GRUBBING	0.04	AC	\$ 31,506.62	\$ 1,168.37
120-1	REGULAR EXCAVATION	7.91	CY	\$ 5.84	\$ 46.20
120-6	EMBANKMENT	16.93	CY	\$ 11.07	\$ 187.47
520-1-10	CONCRETE CURB & GUTTER, TYPE F	197.78	LF	\$ 48.88	\$ 9,667.38
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	135.97	SY	\$ 74.73	\$ 10,161.20
527-2	DETECTABLE WARNINGS	59.33	SF	\$ 38.74	\$ 2,298.57
570-1-2	PERFORMANCE TURF, SOD	865.28	SF	\$ 4.72	\$ 4,084.11
654-2-28	MIDBLOCK CROSSWALK: REC RAPID FLASHING BEACON, FURNISH/INSTALL- SOLAR, SIGN ASSEMBLY- BACK-BACK ACCESSIBLE DETECTOR	2.00	AS	\$ 20,000.00	\$ 40,000.00
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	154.51	LF	\$ 3.24	\$ 500.63
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	5.00	EA	\$ 179.27	\$ 896.35

Segments Construction Sub-Totals **\$ 72,558.41**

Mobilization (10%)	\$ 7,255.84
Maintenance of Traffic (10%)	\$ 7,255.84
Project Unknowns (25%)	\$ 21,767.52

Project Construction Total **\$ 108,837.62**

Final Design / Engineering (25%)	\$ 27,209.41
Construction Engineering Inspection (CEI) (15%)	\$ 16,325.64

GRAND TOTAL **\$ 152,372.67**

	Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
	2 years Estimated Project Cost	1.2	\$ 182,847.20
	5 years Estimated Project Cost	1.5	\$ 228,559.00

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Crossing - 13					
Lakemont Ave at/near Oakhurst Ave					
Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	SEDIMENT BARRIER	685.76	LF	\$ 3.00	\$ 2,057.27
104-15	SOIL TRACKING PREVENTION DEVICE	2.00	EA	\$ 4,570.14	\$ 9,140.28
104-18	INLET PROTECTION SYSTEM	3.00	EA	\$ 204.95	\$ 614.85
107-1	LITTER REMOVAL	0.78	AC	\$ 42.64	\$ 33.23
107-2	MOWING	0.78	AC	\$ 56.49	\$ 44.02
110-1-1	CLEARING & GRUBBING	1.56	AC	\$ 31,506.62	\$ 49,104.22
120-1	REGULAR EXCAVATION	628.61	CY	\$ 5.84	\$ 3,671.08
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	1209.22	CY	\$ 31.00	\$ 37,485.71
160-4	TYPE B STABILIZATION	1110.92	SY	\$ 9.61	\$ 10,675.99
285-709	OPTIONAL BASE, BASE GROUP 09	939.49	SY	\$ 31.65	\$ 29,734.73
327-70-4	MILLING EXIST ASPH PAVT, 3" AVG DEPTH	1219.12	SY	\$ 4.12	\$ 5,022.78
337-70-4	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	170.68	TN	\$ 164.67	\$ 28,105.43
521-1-10	CONCRETE CURB & GUTTER, TYPE F	815.63	LF	\$ 48.88	\$ 39,868.20
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	380.98	SY	\$ 74.73	\$ 28,470.32
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	54.55	LF	\$ 36.89	\$ 2,012.30
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	922.13	LF	\$ 15.83	\$ 14,597.38
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	692.25	LF	\$ 34.21	\$ 23,681.87
630-2-14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND	10.39	LF	\$ 45.20	\$ 469.64
632-7-1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTA	1.00	PI	\$ 9,209.38	\$ 9,209.38
633-1-121	FIBER OPTIC CABLE, F&I, UNDERGROUND, 2-12 FIBERS	23.38	LF	\$ 4.07	\$ 95.15
633-1-122	FIBER OPTIC CABLE, F&I, UNDERGROUND, 13-48 FIBERS	1711.01	LF	\$ 3.28	\$ 5,612.12
633-2-31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	6.00	EA	\$ 53.84	\$ 323.04
633-3-11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	2.00	EA	\$ 1,509.12	\$ 3,018.24
633-3-12	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY	2.00	EA	\$ 101.96	\$ 203.92
633-3-15	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED PATCH PANEL	2.00	EA	\$ 1,640.60	\$ 3,281.20
633-8-1	MULTI-CONDUCTOR COMMUNICATION CABLE, FURNISH & INSTALL	1016.69	LF	\$ 87.20	\$ 88,654.96
635-2-12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	7.00	EA	\$ 2,802.06	\$ 19,614.42
635-2-13	PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	2.00	EA	\$ 5,589.94	\$ 11,179.88
635-2-14	PULL & SPLICE BOX, F&I, 17" X 30" COVER SIZE	3.00	EA	\$ 1,714.65	\$ 5,143.95
639-1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	1.00	AS	\$ 4,640.41	\$ 4,640.41
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	25.98	LF	\$ 8.99	\$ 233.52
639-4-6	EMERGENCY GENERATOR - PORTABLE, INSTALL HOUSING ONLY	1.00	EA	\$ 10,450.00	\$ 10,450.00
641-2-12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	1.00	EA	\$ 2,224.20	\$ 2,224.20
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	4.00	EA	\$ 2,665.22	\$ 10,660.88
649-21-3	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 40'	1.00	EA	\$ 67,914.18	\$ 67,914.18
649-21-6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	1.00	EA	\$ 73,953.74	\$ 73,953.74
650-1-14	VEH TRAF SIGNAL, F&I ALUMINUM, 3 S 1 W	6.00	EA	\$ 1,664.67	\$ 9,988.02
650-1-16	VEH TRAF SIGNAL, F&I ALUMINUM, 4 S 1 W	3.00	EA	\$ 2,047.93	\$ 6,143.79
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	4.00	EA	\$ 979.46	\$ 3,917.84
660-3-11	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL CABINET EQUIPMENT	1.00	EA	\$ 6,750.20	\$ 6,750.20
660-3-12	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	2.00	EA	\$ 13,003.79	\$ 26,007.58
663-1-111	PREMPTION SYSTEM, OPTICAL, CABINET	1.00	EA	\$ 6,596.11	\$ 6,596.11
663-1-112	PREMPTION SYSTEM, OPTICAL, DETECTOR	2.00	EA	\$ 4,220.32	\$ 8,440.64
663-1-121	PREMPTION SYSTEM, GPS, CABINET	1.00	EA	\$ 7,794.98	\$ 7,794.98
663-1-122	PREMPTION SYSTEM, GPS, DETECTOR	2.00	EA	\$ 6,745.08	\$ 13,490.16
665-1-12	PEDESTRIAN DETECTOR, FURNISH & INSTALL, ACCESSIBLE	4.00	EA	\$ 2,182.10	\$ 8,728.40
670-5-110	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA	1.00	AS	\$ 45,695.48	\$ 45,695.48
682-1-113	ITS CCTV CAMERA, F&I, DOME PTZ ENCLOSURE - PRESSURIZED, IP, HIGH DEFINITION	1.00	EA	\$ 7,787.02	\$ 7,787.02
684-1-1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	1.00	EA	\$ 4,501.80	\$ 4,501.80
685-1-13	UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, LINE INTERACTIVE WITH CABINET	1.00	EA	\$ 9,761.21	\$ 9,761.21
700-3-201	SIGN PANEL, F&I OM, UP TO 12 SF	3.00	EA	\$ 957.16	\$ 2,871.48
700-5-22	INTERNAL ILLUM SIGN, F&I OM, 12-18 SF	2.00	EA	\$ 4,942.88	\$ 9,885.76
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	162.35	LF	\$ 3.24	\$ 526.01
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	6.00	EA	\$ 179.27	\$ 1,075.62
711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	214.30	LF	\$ 16.56	\$ 3,548.79
711-15-101	THERMOPLASTIC, STD-OP, WHITE, SOLID, 6"	0.14	GM	\$ 6,356.61	\$ 908.14
711-15-131	THERMOPLASTIC, STD-OP, WHITE, SKIP, 6"	0.10	GM	\$ 2,159.14	\$ 224.34
711-15-201	THERMOPLASTIC, STD-OP, YELLOW, SOLID, 6"	0.14	GM	\$ 6,336.51	\$ 905.27

Segments Construction Sub-Totals	\$ 817,173.84
---	----------------------

Mobilization (10%)	\$ 81,717.38
Maintenance of Traffic (10%)	\$ 81,717.38
Project Unknowns (25%)	\$ 245,152.15

Project Construction Total	\$ 1,225,760.77
-----------------------------------	------------------------

Final Design / Engineering (25%)	\$ 306,440.19
Construction Engineering Inspection (CEI) (15%)	\$ 183,864.11

GRAND TOTAL	\$ 1,716,065.07
--------------------	------------------------

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$ 2,059,278.09
5 years Estimated Project Cost	1.5	\$ 2,574,097.61

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Crossing - 14					
Lakemont Ave at/near Loch Berry Rd					
Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	SEDIMENT BARRIER	71.92	LF	\$ 3.00	\$ 215.76
110-1-1	CLEARING & GRUBBING	0.05	AC	\$ 31,506.62	\$ 1,477.81
120-1	REGULAR EXCAVATION	10.01	CY	\$ 5.84	\$ 58.44
120-6	EMBANKMENT	21.42	CY	\$ 11.07	\$ 237.12
520-1-10	CONCRETE CURB & GUTTER, TYPE F	250.16	LF	\$ 48.88	\$ 12,227.76
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	171.98	SY	\$ 74.73	\$ 12,852.37
527-2	DETECTABLE WARNINGS	75.05	SF	\$ 38.74	\$ 2,907.34
570-1-2	PERFORMANCE TURF, SOD	1094.44	SF	\$ 4.72	\$ 5,165.78
654-2-28	MIDBLOCK CROSSWALK: REC RAPID FLASHING BEACON, FURNISH/INSTALL-SOLAR, SIGN ASSEMBLY- BACK-BACK ACCESSIBLE DETECTOR	2.00	AS	\$ 20,000.00	\$ 40,000.00
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	195.44	LF	\$ 3.24	\$ 633.21
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	7.00	EA	\$ 179.27	\$ 1,254.89

Segments Construction Sub-Totals **\$ 81,302.57**

Mobilization (10%)	\$ 8,130.26
Maintenance of Traffic (10%)	\$ 8,130.26
Project Unknowns (25%)	\$ 24,390.77

Project Construction Total **\$ 121,953.86**

Final Design / Engineering (25%)	\$ 30,488.46
Construction Engineering Inspection (CEI) (15%)	\$ 18,293.08

GRAND TOTAL **\$ 170,735.40**

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$ 204,882.48
5 years Estimated Project Cost	1.5	\$ 256,103.10

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Crossing - 15

Aloma Ave at/near Strathly Ln

Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	SEDIMENT BARRIER	810.67	LF	\$ 3.00	\$ 2,432.00
104-15	SOIL TRACKING PREVENTION DEVICE	2.00	EA	\$ 4,570.14	\$ 9,140.28
104-18	INLET PROTECTION SYSTEM	4.00	EA	\$ 204.95	\$ 819.80
107-1	LITTER REMOVAL	0.92	AC	\$ 42.64	\$ 39.28
107-2	MOWING	0.92	AC	\$ 56.49	\$ 52.04
110-1-1	CLEARING & GRUBBING	1.84	AC	\$ 31,506.62	\$ 58,048.56
120-1	REGULAR EXCAVATION	743.11	CY	\$ 5.84	\$ 4,339.77
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	1429.48	CY	\$ 31.00	\$ 44,313.74
160-4	TYPE B STABILIZATION	1313.28	SY	\$ 9.61	\$ 12,620.62
285-709	OPTIONAL BASE,BASE GROUP 09	1110.61	SY	\$ 31.65	\$ 35,150.91
327-70-4	MILLING EXIST ASPH PAVT, 3" AVG DEPTH	1441.18	SY	\$ 4.12	\$ 5,937.68
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	201.77	TN	\$ 164.67	\$ 33,224.84
520-1-10	CONCRETE CURB & GUTTER, TYPE F	964.20	LF	\$ 48.88	\$ 47,130.19
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	450.37	SY	\$ 74.73	\$ 33,656.20
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	64.48	LF	\$ 36.89	\$ 2,378.85
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	1090.10	LF	\$ 15.83	\$ 17,256.30
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	818.34	LF	\$ 34.21	\$ 27,995.53
630-2-14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND	12.28	LF	\$ 45.20	\$ 555.18
632-7-1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTA	1.00	PI	\$ 9,209.38	\$ 9,209.38
633-1-121	FIBER OPTIC CABLE, F&I, UNDERGROUND,2-12 FIBERS	27.64	LF	\$ 4.07	\$ 112.48
633-1-122	FIBER OPTIC CABLE, F&I, UNDERGROUND,13-48 FIBERS	2022.67	LF	\$ 3.28	\$ 6,634.37
633-2-31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	7.00	EA	\$ 53.84	\$ 376.88
633-3-11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	2.00	EA	\$ 1,509.12	\$ 3,018.24
633-3-12	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY	2.00	EA	\$ 101.96	\$ 203.92
633-3-15	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED PATCH PANEL	2.00	EA	\$ 1,640.60	\$ 3,281.20
633-8-1	MULTI-CONDUCTOR COMMUNICATION CABLE, FURNISH & INSTALL	1201.87	LF	\$ 87.20	\$ 104,803.48
635-2-12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	8.00	EA	\$ 2,802.06	\$ 22,416.48
635-2-13	PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	2.00	EA	\$ 5,589.94	\$ 11,179.88
635-2-14	PULL & SPLICE BOX, F&I, 17" X 30" COVER SIZE	3.00	EA	\$ 1,714.65	\$ 5,143.95
639-1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	1.00	AS	\$ 4,640.41	\$ 4,640.41
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	30.71	LF	\$ 8.99	\$ 276.06
639-4-6	EMERGENCY GENERATOR - PORTABLE, INSTALL HOUSING ONLY	1.00	EA	\$ 10,450.00	\$ 10,450.00
641-2-12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	1.00	EA	\$ 2,224.20	\$ 2,224.20
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	4.00	EA	\$ 2,665.22	\$ 10,660.88
649-21-3	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 40'	1.00	EA	\$ 67,914.18	\$ 67,914.18
649-21-6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	1.00	EA	\$ 73,953.74	\$ 73,953.74
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	7.00	EA	\$ 1,664.67	\$ 11,652.69
650-1-16	VEH TRAF SIGNAL,F&I ALUMINUM, 4 S 1 W	4.00	EA	\$ 2,047.93	\$ 8,191.72
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	4.00	EA	\$ 979.46	\$ 3,917.84
660-3-11	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL CABINET EQUIPMENT	1.00	EA	\$ 6,750.20	\$ 6,750.20
660-3-12	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	2.00	EA	\$ 13,003.79	\$ 26,007.58
663-1-111	PREMPTION SYSTEM, OPTICAL, CABINET	1.00	EA	\$ 6,596.11	\$ 6,596.11
663-1-112	PREMPTION SYSTEM, OPTICAL, DETECTOR	2.00	EA	\$ 4,220.32	\$ 8,440.64
663-1-121	PREMPTION SYSTEM, GPS, CABINET	1.00	EA	\$ 7,794.98	\$ 7,794.98
663-1-122	PREMPTION SYSTEM, GPS, DETECTOR	2.00	EA	\$ 6,745.08	\$ 13,490.16
665-1-12	PEDESTRIAN DETECTOR, FURNISH & INSTALL, ACCESSIBLE	4.00	EA	\$ 2,182.10	\$ 8,728.40
670-5-110	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA	1.00	AS	\$ 45,695.48	\$ 45,695.48
682-1-113	ITS CCTV CAMERA, F&I, DOME PTZ ENCLOSURE - PRESSURIZED, IP, HIGH DEFINITION	1.00	EA	\$ 7,787.02	\$ 7,787.02
684-1-1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	1.00	EA	\$ 4,501.80	\$ 4,501.80
685-1-13	UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, LINE INTERACTIVE WITH CABINET	1.00	EA	\$ 9,761.21	\$ 9,761.21
700-3-201	SIGN PANEL, F&I OM, UP TO 12 SF	3.00	EA	\$ 957.16	\$ 2,871.48
700-5-22	INTERNAL ILLUM SIGN, F&I OM, 12-18 SF	2.00	EA	\$ 4,942.88	\$ 9,885.76
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	191.92	LF	\$ 3.24	\$ 621.82
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	7.00	EA	\$ 179.27	\$ 1,254.89
711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	253.33	LF	\$ 16.56	\$ 4,195.20
711-15-101	THERMOPLASTIC, STD-OP, WHITE, SOLID, 6"	0.17	GM	\$ 6,356.61	\$ 1,073.56
711-15-131	THERMOPLASTIC, STD-OP, WHITE, SKIP, 6"	0.12	GM	\$ 2,159.14	\$ 265.20
711-15-201	THERMOPLASTIC, STD-OP, YELLOW, SOLID, 6"	0.17	GM	\$ 6,336.51	\$ 1,070.17

Segments Construction Sub-Totals	\$ 898,109.61
---	----------------------

Mobilization (10%)	\$ 89,810.96
Maintenance of Traffic (10%)	\$ 89,810.96
Project Unknowns (25%)	\$ 269,432.88

Project Construction Total	\$ 1,347,164.41
-----------------------------------	------------------------

Final Design / Engineering (25%)	\$ 336,791.10
Construction Engineering Inspection (CEI) (15%)	\$ 202,074.66

GRAND TOTAL	\$ 1,886,030.18
--------------------	------------------------

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$ 2,263,236.21
5 years Estimated Project Cost	1.5	\$ 2,829,045.27

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Crossing - 16

Glenridge Way at/near Stonehurst Rd

Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	SEDIMENT BARRIER	62.92	LF	\$ 3.00	\$ 188.76
110-1-1	CLEARING & GRUBBING	0.04	AC	\$ 31,506.62	\$ 1,292.86
120-1	REGULAR EXCAVATION	8.75	CY	\$ 5.84	\$ 51.12
120-6	EMBANKMENT	18.74	CY	\$ 11.07	\$ 207.44
520-1-10	CONCRETE CURB & GUTTER, TYPE F	218.85	LF	\$ 48.88	\$ 10,697.42
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	150.46	SY	\$ 74.73	\$ 11,243.86
527-2	DETECTABLE WARNINGS	65.66	SF	\$ 38.74	\$ 2,543.48
570-1-2	PERFORMANCE TURF, SOD	957.47	SF	\$ 4.72	\$ 4,519.26
654-2-28	MIDBLOCK CROSSWALK: REC RAPID FLASHING BEACON, FURNISH/INSTALL- SOLAR, SIGN ASSEMBLY- BACK-BACK ACCESSIBLE DETECTOR	2.00	AS	\$ 20,000.00	\$ 40,000.00
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	170.98	LF	\$ 3.24	\$ 553.97
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	6.00	EA	\$ 179.27	\$ 1,075.62

Segments Construction Sub-Totals	\$ 76,111.21
---	---------------------

Mobilization (10%)	\$ 7,611.12
Maintenance of Traffic (10%)	\$ 7,611.12
Project Unknowns (25%)	\$ 22,833.36

Project Construction Total	\$ 114,166.81
-----------------------------------	----------------------

Final Design / Engineering (25%)	\$ 28,541.70
Construction Engineering Inspection (CEI) (15%)	\$ 17,125.02

GRAND TOTAL	\$ 159,833.54
--------------------	----------------------

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$ 191,800.24
5 years Estimated Project Cost	1.5	\$ 239,750.31

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Crossing - 17
Glenridge Way at/near St. George St

Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	SEDIMENT BARRIER	69.21	LF	\$ 3.00	\$ 207.62
110-1-1	CLEARING & GRUBBING	0.05	AC	\$ 31,506.62	\$ 1,422.06
120-1	REGULAR EXCAVATION	9.63	CY	\$ 5.84	\$ 56.23
120-6	EMBANKMENT	20.61	CY	\$ 11.07	\$ 228.17
520-1-10	CONCRETE CURB & GUTTER, TYPE F	240.72	LF	\$ 48.88	\$ 11,766.43
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	165.50	SY	\$ 74.73	\$ 12,367.48
527-2	DETECTABLE WARNINGS	72.22	SF	\$ 38.74	\$ 2,797.66
570-1-2	PERFORMANCE TURF, SOD	1053.15	SF	\$ 4.72	\$ 4,970.88
654-2-28	MIDBLOCK CROSSWALK: REC RAPID FLASHING BEACON, FURNISH/INSTALL- SOLAR, SIGN ASSEMBLY- BACK-BACK ACCESSIBLE DETECTOR	2.00	AS	\$ 20,000.00	\$ 40,000.00
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	188.06	LF	\$ 3.24	\$ 609.32
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	7.00	EA	\$ 179.27	\$ 1,254.89

Segments Construction Sub-Totals **\$ 79,791.65**

Mobilization (10%)	\$ 7,979.16
Maintenance of Traffic (10%)	\$ 7,979.16
Project Unknowns (25%)	\$ 23,937.49

Project Construction Total **\$ 119,687.47**

Final Design / Engineering (25%)	\$ 29,921.87
Construction Engineering Inspection (CEI) (15%)	\$ 17,953.12

GRAND TOTAL **\$ 167,562.46**

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$ 201,074.96
5 years Estimated Project Cost	1.5	\$ 251,343.70

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Roadway Reconfiguration Projects					
Priority	Roadway Facility	Segment	Length(ft)	Improvements	Cost
1	Aloma Avenue	Park Avenue to Lakemont Avenue	9,000	Reconfiguration, Pedestrian Safety	Underway by FDOT
2	US 17/92	City Limits	11,000	Reconfiguration, Streetscape, Signals	Underway by FDOT
3	Morse Boulevard Study	US 17/92 to New York Avenue	4,000	Complete Streets Study	\$300,000.00
4	Solana Avenue	US 17/92 to Denning Drive	2,500	Bike Lanes	\$4,102,000
5	Lakemont Avenue	Glenridge Way to Glenridge Way	3,400	Roadway Reconfiguration	\$12,942,000.00
6	Lakemont Avenue	Goodrich Ave to City Limits	4,400	Complete Streets Reconfiguration	\$6,082,000.00
7	Orange Avenue	US 17/92 to Pennsylvania	3,700	Complete Streets Reconfiguration	\$6,200,000.00
8	Orange Avenue	Denning/Minnesota	N/A	Roundabout	\$7,400,000.00
9	Morse Boulevard	US 17/92 to New York Avenue	N/A	Complete Streets Reconfiguration	\$12,000,000.00
10	Minnesota Avenue	Denning Drive to RR tracks	500	Bike Lanes	\$785,000.00
11	Fairbanks Avenue	At Denning Drive	N/A	Add East and West turn lanes	\$1,169,000
12	Fairbanks Avenue	US 17/92 to Pennsylvania Avenue	N/A	Complete Streets Reconfiguration	\$18,500,000

Roadway Reconfiguration & Streetscape - 4

Solana Avenue - from 17/92 to Denning Drive

Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	SEDIMENT BARRIER	2500	LF	\$ 3.00	\$ 7,500.00
104-11	FLOATING TURBIDITY BARRIER	24	LF	\$ 17.39	\$ 411.70
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	24	LF	\$ 7.67	\$ 181.58
104-15	SOIL TRACKING PREVENTION DEVICE	1	EA	\$ 4,570.14	\$ 4,570.14
104-18	INLET PROTECTION SYSTEM	6	EA	\$ 204.95	\$ 1,261.53
107-1	LITTER REMOVAL	0.28	AC	\$ 42.64	\$ 12.11
107-2	MOWING	0.28	AC	\$ 56.49	\$ 16.05
110-1-1	CLEARING & GRUBBING	2	AC	\$ 31,506.62	\$ 52,660.21
120-1	REGULAR EXCAVATION	2292	CY	\$ 5.84	\$ 13,383.33
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	4408	CY	\$ 31.00	\$ 136,658.33
160-4	TYPE B STABILIZATION	4050	SY	\$ 9.61	\$ 38,920.50
285-709	OPTIONAL BASE,BASE GROUP 09	3425	SY	\$ 31.65	\$ 108,401.25
327-70-4	MILLING EXIST ASPH PAVT, 3" AVG DEPTH	4444	SY	\$ 4.12	\$ 18,311.11
334-1-53	SUPERPAVE ASPH CONC, TRAF C, PG76-22	733	TN	\$ 151.24	\$ 110,909.33
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	622	TN	\$ 164.67	\$ 102,461.46
425-1-351	INLETS, CURB, TYPE P-5,	9	EA	\$ 10,231.27	\$ 87,198.32
425-1-451	INLETS, CURB, TYPE J-5,	2	EA	\$ 15,367.32	\$ 36,380.97
425-1-521	INLETS, DT BOT, TYPE C,	1	EA	\$ 9,367.26	\$ 11,088.14
425-1-541	INLETS, DT BOT, TYPE D,	2	EA	\$ 7,752.68	\$ 15,505.36
425-2-41	MANHOLES, P-7,	1	EA	\$ 8,196.07	\$ 9,701.79
425-2-71	MANHOLES, J-7,	1	EA	\$ 17,255.74	\$ 17,255.74
430-175-112	PIPE CULV, OPT MATL, ROUND, 12"S/CD	458	LF	\$ 670.17	\$ 307,161.25
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	1197	LF	\$ 309.73	\$ 370,737.42
430-175-154	PIPE CULV, OPT MATL, ROUND, 54"S/CD	47	LF	\$ 575.84	\$ 27,265.15
430-515-100	STRAIGHT CONC ENDW 15", SINGLE, 0 ROUND	2	EA	\$ 6,648.36	\$ 13,296.72
430-542-100	STRAIGHT CONC ENDW 42", SINGLE, 0 ROUND	1	EA	\$ 12,500.00	\$ 12,500.00
430-554-100	STRAIGHT CONC ENDW 54", SINGLE, 0 ROUND	1	EA	\$ 12,500.00	\$ 12,500.00
520-1-10	CONCRETE CURB & GUTTER, TYPE F	2500	LF	\$ 48.88	\$ 122,200.00
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	1389	SY	\$ 74.73	\$ 103,791.73
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	199	LF	\$ 36.89	\$ 7,336.08
550-60-234	FENCE GATE,TYP B,SLIDE/CANT,18.1-20'OPEN	1	EA	\$ 5,700.00	\$ 5,700.00
570-1-2	PERFORMANCE TURF, SOD	3090	SY	\$ 4.72	\$ 14,586.11
630-2-11	CONDUIT, F&I, OPEN TRENCH	1250	LF	\$ 15.83	\$ 19,787.50
630-2-12	CONDUIT, F&I, DIRECTIONAL BORE	248	LF	\$ 34.21	\$ 8,487.71
635-2-11	PULL & SPLICE BOX, F&I, 13" X 24"	8	EA	\$ 1,380.90	\$ 11,442.12
700-1-11	SINGLE POST SIGN, F&I GM,	4	AS	\$ 510.78	\$ 2,176.62
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 S F	1	AS	\$ 1,716.78	\$ 1,716.78
700-1-50	SINGLE POST SIGN, RELOCATE	1	AS	\$ 319.19	\$ 319.19
700-1-60	SINGLE POST SIGN, REMOVE	4	AS	\$ 53.25	\$ 226.92
700-2 14	MULTI- POST SIGN, F&I GM, 31-50 SF	4	AS	\$ 7,223.24	\$ 28,892.96
700-2-60	MULTI- POST SIGN, REMOVE	3	AS	\$ 950.11	\$ 2,850.33
706-1-3	RAISED PAVMT MARK, TYPE B	160	EA	\$ 4.43	\$ 707.92
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	1	GM	\$ 1,320.40	\$ 1,250.38
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	1	GM	\$ 725.79	\$ 1,030.95
711-15-101	THERMOPLASTIC, STD-OP, WHITE, SOLID, 6"	1	GM	\$ 6,356.61	\$ 6,356.61
711-15-131	THERMOPLASTIC, STD-OP, WHITE, SKIP, 6"	1	GM	\$ 2,159.14	\$ 1,533.48

Solana Avenue - from 17/92 to Denning Drive (CONTINUED)

Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	4565	LF	\$ 3.20	\$ 14,609.09
715-61-342	LIGHT POLE CMPLT,STD,F&I, 40'MH,12'ARM L	8	EA	\$ 9,167.66	\$ 75,963.09
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	8	EA	\$ 725.88	\$ 6,014.63

Segments Construction Sub-Totals	\$ 1,953,229.69
---	------------------------

Mobilization (10%)	\$ 195,322.97
Maintenance of Traffic (10%)	\$ 195,322.97
Project Unknowns (25%)	\$ 585,968.91

Project Construction Total	\$ 2,929,844.54
-----------------------------------	------------------------

Final Design / Engineering (25%)	\$ 732,461.13
Construction Engineering Inspection (CEI) (15%)	\$ 439,476.68

GRAND TOTAL	\$ 4,101,782.35
--------------------	------------------------

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$ 4,922,138.82
5 years Estimated Project Cost	1.5	\$ 6,152,673.53

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Roadway Reconfiguration & Streetscape - 5
Lakemont Avenue and Glenridge Way

Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	SEDIMENT BARRIER	12389.39	LF	\$ 3.00	\$ 37,168.18
110-1-1	CLEARING & GRUBBING	7.74	AC	\$ 31,506.62	\$ 243,932.10
120-1	REGULAR EXCAVATION	9527.30	CY	\$ 5.84	\$ 55,639.45
120-6	EMBANKMENT	2538.52	CY	\$ 11.07	\$ 28,101.38
160-4	TYPE B STABILIZATION	21347.65	SY	\$ 9.61	\$ 205,150.93
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	10438.97	SY	\$ 74.73	\$ 780,104.38
527-2	DETECTABLE WARNINGS	170.25	SF	\$ 38.74	\$ 6,595.63
570-1-2	PERFORMANCE TURF, SOD	12740.35	SY	\$ 4.72	\$ 60,134.44
104-11	FLOATING TURBIDITY BARRIER	64.39	LF	\$ 17.39	\$ 1,119.81
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	64.39	LF	\$ 7.67	\$ 493.90
104-15	SOIL TRACKING PREVENTION DEVICE	0.64	EA	\$ 4,570.14	\$ 2,942.89
104-18	INLET PROTECTION SYSTEM	16.74	EA	\$ 204.95	\$ 3,431.36
107-1	LITTER REMOVAL	0.77	AC	\$ 42.64	\$ 32.95
107-2	MOWING	0.77	AC	\$ 56.49	\$ 43.65
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	11990.67	CY	\$ 31.00	\$ 371,710.67
285-709	OPTIONAL BASE,BASE GROUP 09	9316.00	SY	\$ 31.65	\$ 294,851.40
327-70-4	MILLING EXIST ASPH PAVT, 3" AVG DEPTH	12088.89	SY	\$ 4.12	\$ 49,806.21
334-1-53	SUPERPAVE ASPH CONIC, TRAF C, PG76-22	1994.67	TN	\$ 151.24	\$ 301,673.39
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	1692.45	TN	\$ 164.67	\$ 278,695.18
425-1-351	INLETS, CURB, TYPE P-5,	23.18	EA	\$ 10,231.27	\$ 237,179.44
425-1-451	INLETS, CURB, TYPE J-5,	6.44	EA	\$ 15,367.32	\$ 98,956.23
425-1-521	INLETS, DT BOT, TYPE C,	3.22	EA	\$ 9,367.26	\$ 30,159.74
425-1-541	INLETS, DT BOT, TYPE D,	0.64	EA	\$ 7,752.68	\$ 4,992.26
425-2-41	MANHOLES, P-7,	3.22	EA	\$ 8,196.07	\$ 26,388.86
425-2-71	MANHOLES, J-7,	0.64	EA	\$ 17,255.74	\$ 11,111.65
430-175-112	PIPE CULV, OPT MATL, ROUND, 12"S/CD	1246.67	LF	\$ 670.17	\$ 835,478.60
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	3255.76	LF	\$ 309.73	\$ 1,008,405.79
430-175-154	PIPE CULV, OPT MATL, ROUND, 54"S/CD	128.79	LF	\$ 575.84	\$ 74,161.21
430-515-100	STRAIGHT CONC ENDW 15", SINGLE, 0 ROUND	0.64	EA	\$ 6,648.36	\$ 4,281.14
430-542-100	STRAIGHT CONC ENDW 42", SINGLE, 0 ROUND	0.64	EA	\$ 12,500.00	\$ 8,049.24
430-554-100	STRAIGHT CONC ENDW 54", SINGLE, 0 ROUND	0.64	EA	\$ 12,500.00	\$ 8,049.24
520-1-10	CONCRETE CURB & GUTTER, TYPE F	6800.00	LF	\$ 48.88	\$ 332,384.00
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	540.91	LF	\$ 36.89	\$ 19,954.14
550-60-234	FENCE GATE,TYP B,SLIDE/CANT,18.1-20'OPEN	0.64	EA	\$ 5,700.00	\$ 3,670.45
635-2-11	PULL & SPLICE BOX, F&I, 13" X 24"	22.54	EA	\$ 1,380.90	\$ 31,122.56
700-1-11	SINGLE POST SIGN, F&I GM,	11.59	AS	\$ 510.78	\$ 5,920.40
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 S F	1.29	AS	\$ 1,716.78	\$ 2,211.00
700-1-50	SINGLE POST SIGN, RELOCATE	1.29	AS	\$ 319.19	\$ 411.08
700-1-60	SINGLE POST SIGN, REMOVE	11.59	AS	\$ 53.25	\$ 617.22
700-2 14	MULTI- POST SIGN, F&I GM, 31-50 SF	1.29	AS	\$ 7,223.24	\$ 9,302.66
700-2-60	MULTI- POST SIGN, REMOVE	1.29	AS	\$ 950.11	\$ 1,223.63
706-1-3	RAISED PAVMT MARK, TYPE B	434.66	EA	\$ 4.43	\$ 1,925.54
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	2.70	GM	\$ 1,320.40	\$ 3,571.08
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	4.06	GM	\$ 725.79	\$ 2,944.40
711-15-101	THERMOPLASTIC, STD-OP, WHITE, SOLID, 6"	1.35	GM	\$ 6,356.61	\$ 8,595.87
711-15-131	THERMOPLASTIC, STD-OP, WHITE, SKIP, 6"	2.03	GM	\$ 2,159.14	\$ 4,379.62
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	12417.73	LF	\$ 3.20	\$ 39,736.73
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	22.54	EA	\$ 725.88	\$ 16,359.80
715-61-342	LIGHT POLE CMLPT,STD,F&I, 40'MH,12'ARM L	22.54	EA	\$ 9,167.66	\$ 206,619.61
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	3921.59	LF	\$ 15.83	\$ 62,078.78
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	1082.46	LF	\$ 34.21	\$ 37,031.08
630-2-14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND	5.15	LF	\$ 45.20	\$ 232.85
632-7-1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	0.64	PI	\$ 9,209.38	\$ 5,930.28
633-1-121	FIBER OPTIC CABLE, F&I, UNDERGROUND,2-12 FIBERS	11.59	LF	\$ 4.07	\$ 47.18

Lakemont Ave. and Glenridge Way (CONTINUED)

Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
633-1-122	FIBER OPTIC CABLE, F&I, UNDERGROUND, 13-48 FIBERS	848.33	LF	\$ 3.28	\$ 2,782.51
633-2-31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	2.58	EA	\$ 53.84	\$ 138.68
633-3-11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	0.64	EA	\$ 1,509.12	\$ 971.78
633-3-12	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY	0.64	EA	\$ 101.96	\$ 65.66
633-3-15	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED PATCH PANEL	0.64	EA	\$ 1,640.60	\$ 1,056.45
633-8-1	MULTI-CONDUCTOR COMMUNICATION CABLE, FURNISH & INSTALL	504.08	LF	\$ 87.20	\$ 43,955.41
635-2-12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	3.09	EA	\$ 2,802.06	\$ 8,660.91
635-2-13	PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	0.64	EA	\$ 5,589.94	\$ 3,599.58
635-2-14	PULL & SPLICE BOX, F&I, 17" X 30" COVER SIZE	1.16	EA	\$ 1,714.65	\$ 1,987.44
639-1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	0.64	AS	\$ 4,640.41	\$ 2,988.14
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	12.88	LF	\$ 8.99	\$ 115.78
639-4-6	EMERGENCY GENERATOR - PORTABLE, INSTALL HOUSING ONLY	0.64	EA	\$ 10,450.00	\$ 6,729.17
641-2-12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	0.64	EA	\$ 2,224.20	\$ 1,432.25
641-2-13	PRESTRESSED CONCRETE POLE, F&I, TYPE P-III	0.52	EA	\$ 10,339.55	\$ 5,326.43
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	2.58	EA	\$ 2,665.22	\$ 6,864.96
649-21-3	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 40'	0.64	EA	\$ 67,914.18	\$ 43,732.62
649-21-6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	0.64	EA	\$ 73,953.74	\$ 47,621.73
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	5.15	EA	\$ 1,664.67	\$ 8,575.57
650-1-16	VEH TRAF SIGNAL,F&I ALUMINUM, 4 S 1 W	2.58	EA	\$ 2,047.93	\$ 5,274.97
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	2.58	EA	\$ 979.46	\$ 2,522.85
660-3-11	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL CABINET EQUIPMENT	0.39	EA	\$ 6,750.20	\$ 2,608.03
660-3-12	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	2.58	EA	\$ 13,003.79	\$ 33,494.61
665-1-12	PEDESTRIAN DETECTOR, FURNISH & INSTALL, ACCESSIBLE	2.58	EA	\$ 2,182.10	\$ 5,620.56
670-5-110	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA	0.64	AS	\$ 45,695.48	\$ 29,425.12
682-1-113	ITS CCTV CAMERA, F&I, DOME PTZ ENCLOSURE - PRESSURIZED, IP, HIGH DEFINITION	0.64	EA	\$ 7,787.02	\$ 5,014.37
684-1-1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	0.64	EA	\$ 4,501.80	\$ 2,898.89
685-1-13	UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, LINE INTERACTIVE WITH CABINET	0.64	EA	\$ 9,761.21	\$ 6,285.63
700-3-201	SIGN PANEL, F&I OM, UP TO 12 SF	2.58	EA	\$ 957.16	\$ 2,465.41
700-5-22	INTERNAL ILLUM SIGN, F&I OM, 12-18 SF	2.58	EA	\$ 4,942.88	\$ 12,731.66
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	117.84	LF	\$ 3.24	\$ 381.80
711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	15.45	LF	\$ 6.62	\$ 102.31
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	1.29	EA	\$ 179.27	\$ 230.88
711-11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	2.58	EA	\$ 90.11	\$ 232.10
711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	108.18	LF	\$ 16.56	\$ 1,791.49

Segments Construction Sub-Totals \$ 6,162,797.00

Mobilization (10%)	\$ 616,279.70
Maintenance of Traffic (10%)	\$ 616,279.70
Project Unknowns (25%)	\$ 1,848,839.10

Project Construction Total \$ 9,244,195.50

Final Design / Engineering (25%)	\$ 2,311,048.88
Construction Engineering Inspection (CEI) (15%)	\$ 1,386,629.33

GRAND TOTAL \$12,941,873.70

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$15,530,248.44
5 years Estimated Project Cost	1.5	\$19,412,810.55

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Roadway Reconfiguration & Streetscape - 6

Lakemont Avenue from Goodrich Avenue to City Limits

Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	SEDIMENT BARRIER	4200.00	LF	\$ 3.00	\$ 12,600.00
104-11	FLOATING TURBIDITY BARRIER	39.77	LF	\$ 17.39	\$ 691.65
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	39.77	LF	\$ 7.67	\$ 305.06
104-15	SOIL TRACKING PREVENTION DEVICE	0.40	EA	\$ 4,570.14	\$ 1,817.67
104-18	INLET PROTECTION SYSTEM	10.34	EA	\$ 204.95	\$ 2,119.37
107-1	LITTER REMOVAL	0.48	AC	\$ 42.64	\$ 20.35
107-2	MOWING	0.48	AC	\$ 56.49	\$ 26.96
110-1-1	CLEARING & GRUBBING	2.81	AC	\$ 31,506.62	\$ 88,469.16
120-1	REGULAR EXCAVATION	3850.00	CY	\$ 5.84	\$ 22,484.00
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	7406.00	CY	\$ 31.00	\$ 229,586.00
160-4	TYPE B STABILIZATION	6804.00	SY	\$ 9.61	\$ 65,386.44
285-709	OPTIONAL BASE,BASE GROUP 09	5754.00	SY	\$ 31.65	\$ 182,114.10
327-70-4	MILLING EXIST ASPH PAVT, 3" AVG DEPTH	7466.67	SY	\$ 4.12	\$ 30,762.66
334-1-53	SUPERPAVE ASPH CONIC, TRAF C, PG76-22	1232.00	TN	\$ 151.24	\$ 186,327.68
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	1045.33	TN	\$ 164.67	\$ 172,135.26
425-1-351	INLETS, CURB, TYPE P-5,	14.32	EA	\$ 10,231.27	\$ 146,493.18
425-1-451	INLETS, CURB, TYPE J-5,	3.98	EA	\$ 15,367.32	\$ 61,120.02
425-1-521	INLETS, DT BOT, TYPE C,	1.99	EA	\$ 9,367.26	\$ 18,628.07
425-1-541	INLETS, DT BOT, TYPE D,	0.40	EA	\$ 7,752.68	\$ 3,083.45
425-2-41	MANHOLES, P-7,	1.99	EA	\$ 8,196.07	\$ 16,299.00
425-2-71	MANHOLES, J-7,	0.40	EA	\$ 17,255.74	\$ 6,863.08
430-175-112	PIPE CULV, OPT MATL, ROUND, 12"S/CD	770.00	LF	\$ 670.17	\$ 516,030.90
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	2010.91	LF	\$ 309.73	\$ 622,838.87
430-175-154	PIPE CULV, OPT MATL, ROUND, 54"S/CD	79.55	LF	\$ 575.84	\$ 45,805.45
430-515-100	STRAIGHT CONC ENDW 15", SINGLE, 0 ROUND	0.40	EA	\$ 6,648.36	\$ 2,644.23
430-542-100	STRAIGHT CONC ENDW 42", SINGLE, 0 ROUND	0.40	EA	\$ 12,500.00	\$ 4,971.59
430-554-100	STRAIGHT CONC ENDW 54", SINGLE, 0 ROUND	0.40	EA	\$ 12,500.00	\$ 4,971.59
520-1-10	CONCRETE CURB & GUTTER, TYPE F	4200.00	LF	\$ 48.88	\$ 205,296.00
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	2333.33	SY	\$ 74.73	\$ 174,370.10
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	334.09	LF	\$ 36.89	\$ 12,324.61
550-60-234	FENCE GATE,TYP B,SLIDE/CANT,18.1-20'OPEN	0.40	EA	\$ 5,700.00	\$ 2,267.05
570-1-2	PERFORMANCE TURF, SOD	5191.67	SY	\$ 4.72	\$ 24,504.66
630-2-11	CONDUIT, F&I, OPEN TRENCH	2100.00	LF	\$ 15.83	\$ 33,243.00
630-2-12	CONDUIT, F&I, DIRECTIONAL BORE	416.82	LF	\$ 34.21	\$ 14,259.35
635-2-11	PULL & SPLICE BOX, F&I, 13" X 24"	13.92	EA	\$ 1,380.90	\$ 19,222.76
700-1-11	SINGLE POST SIGN, F&I GM,	7.16	AS	\$ 510.78	\$ 3,656.72
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 S F	0.80	AS	\$ 1,716.78	\$ 1,365.62
700-1-50	SINGLE POST SIGN, RELOCATE	0.80	AS	\$ 319.19	\$ 253.90
700-1-60	SINGLE POST SIGN, REMOVE	7.16	AS	\$ 53.25	\$ 381.22
700-2 14	MULTI- POST SIGN, F&I GM, 31-50 SF	0.80	AS	\$ 7,223.24	\$ 5,745.76
700-2-60	MULTI- POST SIGN, REMOVE	0.80	AS	\$ 950.11	\$ 755.77
706-1-3	RAISED PAVMT MARK, TYPE B	268.47	EA	\$ 4.43	\$ 1,189.30
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	1.79	GM	\$ 1,320.40	\$ 2,364.72
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	2.69	GM	\$ 725.79	\$ 1,949.74
711-15-101	THERMOPLASTIC, STD-OP, WHITE, SOLID, 6"	0.90	GM	\$ 6,356.61	\$ 5,692.06
711-15-131	THERMOPLASTIC, STD-OP, WHITE, SKIP, 6"	1.34	GM	\$ 2,159.14	\$ 2,900.12
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	7669.77	LF	\$ 3.20	\$ 24,543.27
715-61-342	LIGHT POLE CMLPT,STD,F&I, 40'MH,12'ARM L	13.92	EA	\$ 9,167.66	\$ 127,617.99
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	13.92	EA	\$ 725.88	\$ 10,104.58
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	810.00	LF	\$ 15.83	\$ 12,822.30
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	633.00	LF	\$ 34.21	\$ 21,654.93
630-2-14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND	8.00	LF	\$ 45.20	\$ 361.60
632-7-1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	1.00	PI	\$ 9,209.38	\$ 9,209.38
633-1-121	FIBER OPTIC CABLE, F&I, UNDERGROUND,2-12 FIBERS	18.00	LF	\$ 4.07	\$ 73.26
633-1-122	FIBER OPTIC CABLE, F&I, UNDERGROUND,13-48 FIBERS	1317.40	LF	\$ 3.28	\$ 4,321.07

Lakemont Avenue from Aloma Avenue to Pine Avenue (CONTINUED)

Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
633-2-31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	4.00	EA	\$ 53.84	\$ 215.36
633-3-11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	1.00	EA	\$ 1,509.12	\$ 1,509.12
633-3-12	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY	1.00	EA	\$ 101.96	\$ 101.96
633-3-15	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED PATCH PANEL	1.00	EA	\$ 1,640.60	\$ 1,640.60
633-8-1	MULTI-CONDUCTOR COMMUNICATION CABLE, FURNISH & INSTALL	782.80	LF	\$ 87.20	\$ 68,260.16
635-2-12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	4.80	EA	\$ 2,802.06	\$ 13,449.89
635-2-13	PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	1.00	EA	\$ 5,589.94	\$ 5,589.94
635-2-14	PULL & SPLICE BOX, F&I, 17" X 30" COVER SIZE	1.80	EA	\$ 1,714.65	\$ 3,086.37
639-1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	1.00	AS	\$ 4,640.41	\$ 4,640.41
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	20.00	LF	\$ 8.99	\$ 179.80
639-4-6	EMERGENCY GENERATOR - PORTABLE, INSTALL HOUSING ONLY	1.00	EA	\$ 10,450.00	\$ 10,450.00
641-2-12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	1.00	EA	\$ 2,224.20	\$ 2,224.20
641-2-13	PRESTRESSED CONCRETE POLE, F&I, TYPE P-III	0.80	EA	\$ 10,339.55	\$ 8,271.64
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	4.00	EA	\$ 2,665.22	\$ 10,660.88
649-21-3	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 40'	1.00	EA	\$ 67,914.18	\$ 67,914.18
649-21-6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	1.00	EA	\$ 73,953.74	\$ 73,953.74
650-1-14	VEH TRAF SIGNAL, F&I ALUMINUM, 3 S 1 W	8.00	EA	\$ 1,664.67	\$ 13,317.36
650-1-16	VEH TRAF SIGNAL, F&I ALUMINUM, 4 S 1 W	4.00	EA	\$ 2,047.93	\$ 8,191.72
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	4.00	EA	\$ 979.46	\$ 3,917.84
660-3-11	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL CABINET EQUIPMENT	0.60	EA	\$ 6,750.20	\$ 4,050.12
660-3-12	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	4.00	EA	\$ 13,003.79	\$ 52,015.16
665-1-12	PEDESTRIAN DETECTOR, FURNISH & INSTALL, ACCESSIBLE	4.00	EA	\$ 2,182.10	\$ 8,728.40
670-5-110	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA	1.00	AS	\$ 45,695.48	\$ 45,695.48
682-1-113	ITS CCTV CAMERA, F&I, DOME PTZ ENCLOSURE - PRESSURIZED, IP, HIGH DEFINITION	1.00	EA	\$ 7,787.02	\$ 7,787.02
684-1-1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	1.00	EA	\$ 4,501.80	\$ 4,501.80
685-1-13	UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, LINE INTERACTIVE WITH CAPACITOR	1.00	EA	\$ 9,761.21	\$ 9,761.21
700-3-201	SIGN PANEL, F&I OM, UP TO 12 SF	4.00	EA	\$ 957.16	\$ 3,828.64
700-5-22	INTERNAL ILLUM SIGN, F&I OM, 12-18 SF	4.00	EA	\$ 4,942.88	\$ 19,771.52
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	183.00	LF	\$ 3.24	\$ 592.92
711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	24.00	LF	\$ 6.62	\$ 158.88
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	2.00	EA	\$ 179.27	\$ 358.54
711-11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	4.00	EA	\$ 90.11	\$ 360.44
711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	168.00	LF	\$ 16.56	\$ 2,782.08

Segments Construction Sub-Totals **\$ 3,118,604.10**

Mobilization (10%)	\$ 311,860.41
Maintenance of Traffic (10%)	\$ 311,860.41
Project Unknowns (25%)	\$ 935,581.23

Project Construction Total **\$ 4,677,906.15**

Final Design / Engineering (25%)	\$ 701,685.92
Construction Engineering Inspection (CEI) (15%)	\$ 701,685.92

GRAND TOTAL **\$ 6,081,278.00**

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$ 7,297,533.60
5 years Estimated Project Cost	1.5	\$ 9,121,917.00

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Lane Repurposing Opinion of Probable Cost
 Orange Avenue - Orlando Avenue to Fairbanks Avenue

Item	Is Item Needed?	Price / Mile	Distance/ Factor	Cost
Sediment Barrier	Yes	\$17,952	0.7	\$12,614
Floating Turbidity Barrier	Yes	\$1,250	0.7	\$878
Staked Turbidity Barrier	Yes	\$380	0.7	\$267
Soil Tracking Prevention Device	Yes	\$2,500	1.0	\$2,500
Inlet Protection System	Yes	\$3,120	0.7	\$2,192
Litter Removal	Yes	\$18	0.7	\$13
Mowing	Yes	\$30	0.7	\$21
Clearing & Grubbing	Minimal	\$77,660	0.35	\$27,284
Regular Excavation	Yes - excavate roadway for median, to move curb	\$48,400	0.7	\$34,008
Borrow Excavation, Truck Measure	No	--	--	--
Type B Stabilization	Minimal	\$82,842	0.20	\$16,568
Optional Base - Group 9	Minimal	\$319,147	0.20	--
Milling Existing, 3"	Yes	\$67,115	0.7	\$47,158
Superpave, Traffic D PG76-22	Yes, but reduced amount	\$389,910	0.20	\$77,982
Asph Conc FC, Traf C, FC 12.5, PG 76-22	Yes, but reduced amount	\$351,062	0.35	\$123,337
Conc Class II, Endwalls	No	--	--	--
Inlets, Curb, Type P-5	Add MH for every location with an existing inlet	\$187,200	0.7	\$131,536
Inlets, Curb, Type J-5		\$78,000	0.7	\$54,807
Inlets DT Bot, Type C		\$18,000	0.7	\$12,648
Inlets DT Bot, Type D		\$3,900	0.7	\$2,740
Manholes, P-7		\$36,000	1.1	\$37,943
Manholes, J-7		\$7,100	1.1	\$7,483
Desilting Pipe, 0-24"	Yes	\$2,625	0.7	\$1,844
Desilting Pipe, 25-36"	Yes	\$4,560	0.7	\$3,204
Pipe Culvert, Round, 12" S/CD	Assume we can use 1/2 of existing storm pipes	\$160,688	0.35	\$56,454
Pipe Culvert, Round, 42" S/CD		\$758,400	0.35	\$266,445
Pipe Culvert, Round, 60" S/CD		\$60,000	0.35	\$21,080
Concrete C&G - Type F	Yes, also need Type E for Median	\$211,200	1.1	\$237,440
Concrete SW & Driveways	Yes	\$234,667	0.7	\$164,889
Fencing, Type B Std	No	\$14,280	--	--
Fence Gate, Typ B, Slide/Cant, 18-20' open	No	\$1,800	--	--
Performance Turf / Sod	Yes	\$36,549	0.7	\$25,681
Conduit, F&I, Trench	No	\$35,376	--	--
Conduit, F&I, Directional Bore		\$19,912	--	--
Pull & Splice Box		\$23,800	--	--
Signal Modification - Orange & Fairbanks	Remove / adjust signal heads	\$50,000	\$1	\$50,000
Signs - F&I, Relocate, Remove	Yes	\$19,920	0.7	\$13,997
RMPs	Yes	\$945	0.7	\$664
Pavement Markings	Yes	\$23,414	0.5	\$10,858
Lighting	Adjusting / Relocating Poles at Intersections for Ped Lighting Criteria	\$508,433	0.2	\$88,976
Subtotal				\$1,533,514
MOT (15%)	Higher than LRE due to urban constraints. FDOT at 10%			\$230,027
Mobilization (15%)				\$230,027
Utility Adjustment (10%)	Not in LRE, but it's a typical cost			\$153,351
Miscellaneous Construction Items (10%)	Not in LRE, but it's a typical cost			\$153,351
Contingency (10%)	Not in LRE, but it's a typical cost			\$153,351
Construction Total				\$2,453,622
Design (20%)				\$490,724.42
Post Design (4%)				\$98,144.88
CEI (12%)				\$294,434.65
Project Total				\$3,336,926

Distance is 7/10 of a mile, so a Distance Factor of 0.7 indicates that the item quantity is constant. Other values indicate that the quantity was factored up or down.

NOTE: UNIT RATES BASED ON FDOT LRE COST PER MILE MODEL FOR WIDENING 2-LANES TO 4-LANES DIVIDED URBAN, WITH CURB AND GUTTER

Because the Engineer does not control the cost of labor, materials, equipment or services furnished by others, methods of determining prices, or competitive bidding or market conditions, any opinions rendered as to costs, including but not limited to opinions as to the costs of construction and materials, shall be made on the basis of its experience and represent its judgment as an experienced and qualified professional, familiar with the industry. The Engineer cannot and does not guarantee that proposals, bids or actual costs will not vary from its opinions of cost. The cost of ROW acquisition and impact to adjacent property was not included.

Winter Park Roundabout Opinion of Probable Cost

Item	Unit	Quantity	Unit Price	Cost
Clearing and Grubbing	AC	1.57	\$ 12,305.00	\$ 20,000.00
Earthwork	CY	5,052.06	\$ 10.00	\$ 51,000.00
Type B Stabilization	SY	4,066.06	\$ 6.00	\$ 25,000.00
Base	SY	4,066.06	\$ 22.00	\$ 90,000.00
Pavement (3 1/2")	TN	782.72	\$ 120.00	\$ 94,000.00
Concrete Apron (6")	SY	309.86	\$ 80.00	\$ 25,000.00
Curbing	LF	3,008.9	\$ 27.00	\$ 82,000.00
Sidewalk	SY	1,048.70	\$ 45.00	\$ 48,000.00
Curb inlets	EA	12.0	\$ 6,000.00	\$ 72,000.00
Manholes	EA	6.0	\$ 6,000.00	\$ 36,000.00
24" pipe	LF	1,200.0	\$ 90.00	\$ 108,000.00
Sod	SY	2,114.51	\$ 3.00	\$ 7,000.00
Traffic Separator, Varied Width	SY	348.82	\$ 100.00	\$ 35,000.00
Signing and Pavement Markings	LS	1.0	\$ 30,000.00	\$ 30,000.00
Subtotal				723,000.00
MOT (35%)				254,000.00
Mobilization (15%)				109,000.00
Utility Adjustment (25%)				181,000.00
Light Poles (15%)				109,000.00
Miscellaneous Construction Items (20%)				145,000.00
Landscape and Hardscape (40%)				290,000.00
Contingency (20%)				145,000.00
Construction Total				1,956,000.00
Design (30%)				587,000.00
Post Design (4%)				79,000.00
CEI (12%)				235,000.00
Project Total				2,857,000.00

NOTE: UNIT RATES BASED ON FDOT AREA 08 ITEM AVERAGE UNIT COSTS FROM 2019/09/01 TO 2020/02/29

Because the Engineer does not control the cost of labor, materials, equipment or services furnished by others, methods of determining prices, or competitive bidding or market conditions, any opinions rendered as to costs, including but not limited to opinions as to the costs of construction and materials, shall be made on the basis of its experience and represent its judgment as an experienced and qualified professional, familiar with the industry.

The Engineer cannot and does not guarantee that proposals, bids or actual costs will not vary from its opinions of cost. The cost of ROW acquisition and impact to adjacent property was not included.

Roadway Reconfiguration & Streetscape - 10

Minnesota Avenue - from Denning Drive to Railroad Tracks (0.09Mi)

Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
104-10-3	SEDIMENT BARRIER	500.00	LF	\$ 3.00	\$ 1,500.00
104-11	FLOATING TURBIDITY BARRIER	4.73	LF	\$ 17.39	\$ 82.34
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	4.73	LF	\$ 7.67	\$ 36.32
104-15	SOIL TRACKING PREVENTION DEVICE	0.05	EA	\$ 4,570.14	\$ 216.39
104-18	INLET PROTECTION SYSTEM	1.23	EA	\$ 204.95	\$ 252.31
107-1	LITTER REMOVAL	0.06	AC	\$ 42.64	\$ 2.42
107-2	MOWING	0.06	AC	\$ 56.49	\$ 3.21
110-1-1	CLEARING & GRUBBING	0.33	AC	\$ 31,506.62	\$ 10,532.04
120-1	REGULAR EXCAVATION	458.33	CY	\$ 5.84	\$ 2,676.67
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	881.67	CY	\$ 31.00	\$ 27,331.67
526-1-1	Pavers, Architectual, Roadway	20.00	SY	\$ 120.85	\$ 2,417.00
160-4	TYPE B STABILIZATION	810.00	SY	\$ 9.61	\$ 7,784.10
285-709	OPTIONAL BASE,BASE GROUP 09	685.00	SY	\$ 31.65	\$ 21,680.25
327-70-4	MILLING EXIST ASPH PAVT, 3" AVG DEPTH	888.89	SY	\$ 4.12	\$ 3,662.22
334-1-53	SUPERPAVE ASPH CONIC, TRAF C, PG76-22	146.67	TN	\$ 151.24	\$ 22,181.87
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	124.44	TN	\$ 164.67	\$ 20,492.29
425-1-351	INLETS, CURB, TYPE P-5,	1.70	EA	\$ 10,231.27	\$ 17,439.66
425-1-451	INLETS, CURB, TYPE J-5,	0.47	EA	\$ 15,367.32	\$ 7,276.19
425-1-521	INLETS, DT BOT, TYPE C,	0.24	EA	\$ 9,367.26	\$ 2,217.63
425-1-541	INLETS, DT BOT, TYPE D,	0.05	EA	\$ 7,752.68	\$ 367.08
425-2-41	MANHOLES, P-7,	0.24	EA	\$ 8,196.07	\$ 1,940.36
425-2-71	MANHOLES, J-7,	0.05	EA	\$ 17,255.74	\$ 817.03
430-175-112	PIPE CULV, OPT MATL, ROUND, 12"S/CD	91.67	LF	\$ 670.17	\$ 61,432.25
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	239.39	LF	\$ 309.73	\$ 74,147.48
430-175-154	PIPE CULV, OPT MATL, ROUND, 54"S/CD	9.47	LF	\$ 575.84	\$ 5,453.03
430-515-100	STRAIGHT CONC ENDW 15", SINGLE, 0 ROUND	0.05	EA	\$ 6,648.36	\$ 314.79
430-542-100	STRAIGHT CONC ENDW 42", SINGLE, 0 ROUND	0.05	EA	\$ 12,500.00	\$ 591.86
430-554-100	STRAIGHT CONC ENDW 54", SINGLE, 0 ROUND	0.05	EA	\$ 12,500.00	\$ 591.86
520-1-10	CONCRETE CURB & GUTTER, TYPE F	500.00	LF	\$ 48.88	\$ 24,440.00
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	277.78	SY	\$ 74.73	\$ 20,758.35
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	39.77	LF	\$ 36.89	\$ 1,467.22
550-60-234	FENCE GATE,TYP B,SLIDE/CANT,18.1-20'OPEN	0.05	EA	\$ 5,700.00	\$ 269.89
570-1-2	PERFORMANCE TURF, SOD	618.06	SY	\$ 4.72	\$ 2,917.22
630-2-11	CONDUIT, F&I, OPEN TRENCH	250.00	LF	\$ 15.83	\$ 3,957.50
630-2-12	CONDUIT, F&I, DIRECTIONAL BORE	49.62	LF	\$ 34.21	\$ 1,697.54
635-2-11	PULL & SPLICE BOX, F&I, 13" X 24"	1.66	EA	\$ 1,380.90	\$ 2,288.42
700-1-11	SINGLE POST SIGN, F&I GM,	0.85	AS	\$ 510.78	\$ 435.32
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 S F	0.09	AS	\$ 1,716.78	\$ 162.57
700-1-50	SINGLE POST SIGN, RELOCATE	0.09	AS	\$ 319.19	\$ 30.23
700-1-60	SINGLE POST SIGN, REMOVE	0.85	AS	\$ 53.25	\$ 45.38
700-2 14	MULTI- POST SIGN, F&I GM, 31-50 SF	0.09	AS	\$ 7,223.24	\$ 684.02
700-2-60	MULTI- POST SIGN, REMOVE	0.09	AS	\$ 950.11	\$ 89.97
706-1-3	RAISED PAVMT MARK, TYPE B	31.96	EA	\$ 4.43	\$ 141.58
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.19	GM	\$ 1,320.40	\$ 250.08
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	0.28	GM	\$ 725.79	\$ 206.19
711-15-101	THERMOPLASTIC, STD-OP, WHITE, SOLID, 6"	0.09	GM	\$ 6,356.61	\$ 601.95
711-15-131	THERMOPLASTIC, STD-OP, WHITE, SKIP, 6"	0.14	GM	\$ 2,159.14	\$ 306.70
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	913.07	LF	\$ 3.20	\$ 2,921.82
715-61-342	LIGHT POLE CMPLT,STD,F&I, 40'MH,12'ARM L	1.66	EA	\$ 9,167.66	\$ 15,192.62
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	1.66	EA	\$ 725.88	\$ 1,202.93
0104 10 3	SEDIMENT BARRIER	1134.00	LF	\$ 3.00	\$ 3,402.00

Minnesota Avenue - from Denning Way to Railroad Tracks (CONTINUED)

Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
0104 11	FLOATING TURBIDITY BARRIER	50.00	LF	\$ 17.39	\$ 869.50
0110 1 1	CLEARING & GRUBBING	1.10	AC	\$ 31,506.62	\$ 34,625.78
0120 1	REGULAR EXCAVATION	1450.00	CY	\$ 5.84	\$ 8,468.00
0120 6	EMBANKMENT	900.00	CY	\$ 11.07	\$ 9,963.00
0160 4	TYPE B STABILIZATION	3546.60	SY	\$ 9.61	\$ 34,082.83
0285709	OPTIONAL BASE,BASE GROUP 09	2528.00	SY	\$ 31.65	\$ 80,011.20
0327 70 6	MILLING EXIST ASPH PAVT,1 1/2" AVG DEPTH	784.20	SY	\$ 3.32	\$ 2,603.54
0334 1 53	SUPERPAVE ASPH CONC, TRAF C, PG76-22	177.13	TN	\$ 151.24	\$ 26,789.14
0337 7 83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	375.44	TN	\$ 164.67	\$ 61,823.70
0350 5	CLEANING & SEALING JOINTS - CONC PVMT	132.60	LF	\$ 7.04	\$ 933.50
0350 30 13	CONC PAVEMENT FOR ROUNDABOUT APRON, 12"	212.74	SY	\$ 100.00	\$ 21,273.65
0400 0 11	CONC CLASS NS, GRAVITY WALL	59.00	CY	\$ 1,329.82	\$ 78,459.38
0425 1311	INLETS, CURB, TYPE P-1, <10'	2.00	EA	\$ 15,381.19	\$ 30,762.38
0425 1351	INLETS, CURB, TYPE P-5, <10'	3.00	EA	\$ 10,231.27	\$ 30,693.81
0425 1361	INLETS, CURB, TYPE P-6, <10'	1.00	EA	\$ 9,934.79	\$ 9,934.79
0425 1411	INLETS, CURB TYPE J-1, <10'	2.00	EA	\$ 29,952.06	\$ 59,904.12
0425 1531	INLETS, DT BOT, TYPE C MOD- BACK, <10'	1.00	EA	\$ 6,200.00	\$ 6,200.00
0425 1711	INLETS, GUTTER, TYPE V, <10'	1.00	EA	\$ 10,000.63	\$ 10,000.63
0425 1881	INLETS, BARRIER WALL, RIG, C&G, <=10'	2.00	EA	\$ 7,020.00	\$ 14,040.00
0425 2 61	MANHOLES, P-8, <10'	2.00	EA	\$ 9,655.70	\$ 19,311.40
0425 2 91	MANHOLES, J-8, <10'	2.00	EA	\$ 13,582.24	\$ 27,164.48
0430175115	PIPE CULV, OPT MATL, ROUND, 15"S/CD	8.00	LF	\$ 286.27	\$ 2,290.16
0430175118	PIPE CULV, OPT MATL, ROUND, 18"S/CD	733.00	LF	\$ 121.25	\$ 88,876.25
0430175130	PIPE CULV, OPT MATL, ROUND, 30"S/CD	58.00	LF	\$ 328.54	\$ 19,055.32
0430175136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	106.00	LF	\$ 273.94	\$ 29,037.64
0430536100	STRAIGHT CONC ENDW 36", SINGLE, 0 ROUND	1.00	EA	\$ 8,500.00	\$ 8,500.00
0515 1 2	PIPE HANDRAIL - GUIDERAIL, ALUMINUM	176.00	LF	\$ 60.88	\$ 10,714.88
0520 1 7	CONCRETE CURB & GUTTER, TYPE E	480.01	LF	\$ 55.56	\$ 26,669.36
0520 1 10	CONCRETE CURB & GUTTER, TYPE F	929.50	LF	\$ 48.88	\$ 45,433.96
0520 2 4	CONCRETE CURB, TYPE D	178.20	LF	\$ 46.20	\$ 8,232.84
0520 2 8	CONCRETE CURB, TYPE RA	263.10	LF	\$ 124.00	\$ 32,624.40
0520 5 11	TRAF SEP CONC-TYPE I, 4' WIDE	112.90	LF	\$ 84.35	\$ 9,523.12
0521 1 11	MEDIAN CONC BARRIER, 38" HEIGHT	105.30	LF	\$ 481.82	\$ 50,735.65
0522 2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	358.10	SY	\$ 99.92	\$ 35,781.35
0527 2	DETECTABLE WARNINGS	152.00	SF	\$ 38.74	\$ 5,888.48
0536 85 24	GUARDRAIL END TREATMENT- PARA APP TERM	1.00	EA	\$ 3,738.23	\$ 3,738.23
0570 1 2	PERFORMANCE TURF, SOD	1126.70	SY	\$ 4.72	\$ 5,318.02
0700 1 11	SINGLE POST SIGN, F&I GM, <12 SF	31.00	AS	\$ 510.78	\$ 15,834.18
0700 1 12	SINGLE POST SIGN, F&I GM, 12-20 SF	2.00	AS	\$ 1,716.78	\$ 3,433.56
0700 1 13	SINGLE POST SIGN, F&I GM, 21-30 SF	4.00	AS	\$ 2,173.28	\$ 8,693.12
0700 1 50	SINGLE POST SIGN, RELOCATE	2.00	AS	\$ 319.19	\$ 638.38
0700 1 60	SINGLE POST SIGN, REMOVE	14.00	AS	\$ 53.25	\$ 745.50
0700 2 50	MULTI- POST SIGN, RELOCATE	1.00	AS	\$ 6,826.84	\$ 6,826.84
0706 1 3	RAISED PAVEMENT MARKER, TYPE B	75.00	EA	\$ 4.43	\$ 332.25
0710 11290	PAINTED PAVT MARK,STD,YELLOW,ISLAND NOSE	88.60	SF	\$ 3.48	\$ 308.33
0710 90	PAINTED PAVEMENT MARKINGS, FINAL SURFACE	1.00	LS	\$ 29,434.48	\$ 29,434.48
0711 11123	THERMOPLASTIC, STD, WHITE, SOLID, 12"	96.60	LF	\$ 3.24	\$ 312.98
0711 11160	THERMOPLASTIC, STD, WHITE, MESSAGE	4.00	EA	\$ 179.27	\$ 717.08
0711 11224	THERMOPLASTIC, STD, YELLOW, SOLID, 18"	53.20	LF	\$ 5.33	\$ 283.56
0711 14125	THERMOPLASTIC, PREFORM, WHITE, SOLID,24"	120.70	LF	\$ 16.56	\$ 1,998.79
0711 14160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	2.00	EA	\$ 254.27	\$ 508.54
0711 14170	THERMOPLASTIC, PREFORMED, WHITE, ARROW	2.00	EA	\$ 167.62	\$ 335.24
0711 16101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.36	GM	\$ 5,392.28	\$ 1,959.02
0711 16133	THERMOPLASTIC, STD-OTH, WHITE, SKIP, 12"	0.05	GM	\$ 3,360.31	\$ 160.62
0711 16201	THERMOPLASTIC, STD-OTH,YELLOW, SOLID, 6"	0.37	GM	\$ 5,432.37	\$ 1,996.94
0630 2 11	CONDUIT, F& I, OPEN TRENCH	430.00	LF	\$ 15.83	\$ 6,806.90
0630 2 12	CONDUIT, F& I, DIRECTIONAL BORE	140.00	LF	\$ 34.21	\$ 4,789.40
0635 2 11	PULL & SPLICE BOX, F&I, 13" x 24"	9.00	EA	\$ 1,380.90	\$ 12,428.10
0639 1111	ELECTRICAL POWER SRV,F&I,OH,M,FURNISHED	1.00	AS	\$ 3,000.00	\$ 3,000.00
0639 2 1	ELECTRICAL SERVICE WIRE, F&I	50.00	LF	\$ 8.99	\$ 449.50
0641 2 11	PREST CNC POLE,F&I,TYP P-II,PEDESTAL	1.00	EA	\$ 1,989.70	\$ 1,989.70
0715 1 11	LIGHTING CONDUCTORS,F&I,INSUL, NO.10 OR<	2694.00	LF	\$ 1.01	\$ 2,720.94

Minnesota Avenue - from Denning Way to Railroad Tracks (CONTINUED)					
Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
0715 5 21	LUMINAIRE & BRACKET ARM, REPLACE L & ARM	5.00	EA	\$ 3,933.56	\$ 19,667.80
0715 5 51	LUMINAIRE & BRACKET ARM, REMOVE L & ARM	6.00	EA	\$ 401.29	\$ 2,407.74
0715 61311	LIGHT POLE COMPLETE, F&I, STANDARD POLE STANDARD FOUNDATION, 40' MOUNTING HEIGHT, 8' ARM LENGTH	5.00	EA	\$ 8,784.95	\$ 43,924.75
0715 62311	LIGHT POLE COMPLETE, F&I, STANDARD POLE STANDARD FOUNDATION, 40' MOUNTING HEIGHT, 10' ARM LENGTH	1.00	EA	\$ 12,852.20	\$ 12,852.20
0715500 11	POLE CABLE DIST SYS, ALT, CONVENTIONAL	6.00	EA	\$ 2,689.99	\$ 16,139.94
0630 2 11	CONDUIT, F&I, OPEN TRENCH	72.00	LF	\$ 15.83	\$ 1,139.76
0630 2 12	CONDUIT, F&I, DIRECTIONAL BORE	64.00	LF	\$ 34.21	\$ 2,189.44
0633 3 12	FIBER OPTIC CONN HDWR, SPLICE TRAY	1.00	EA	\$ 101.96	\$ 101.96
0633 3 16	FIBER OPTIC CONN HDWR, PATCH PANEL- FIE	1.00	EA	\$ 1,943.72	\$ 1,943.72
0635 2 11	PULL & SPLICE BOX, F&I, 13" x 24"	1.00	EA	\$ 1,380.90	\$ 1,380.90
0635 2 12	PULL & SPLICE BOX, F&I, 24" X 36"	3.00	EA	\$ 2,802.06	\$ 8,406.18
0639 1620	ELECTRICAL POWER SRV, REM UND	1.00	AS	\$ 836.61	\$ 836.61
0641 2 12	PREST CNC POLE, F&I, TYP P-II SRV POLE	1.00	EA	\$ 2,224.20	\$ 2,224.20
0646 1 60	ALUMINUM SIGNALS POLE, REMOVE	1.00	EA	\$ 375.29	\$ 375.29
0646 2115	ALUMINUM POLE- INDEX 695-001, F&I, 15'	2.00	EA	\$ 4,200.00	\$ 8,400.00
0649 26 5	STEEL MAST ARM ASSEMBLY, REMOVE	1.00	EA	\$ 13,678.38	\$ 13,678.38
0670 5600	TRAF CNTL ASSEM, REMOVE	2.00	AS	\$ 1,147.43	\$ 2,294.86
0676 3 10	SMALL EQUIPMENT ENCLOSURE, F&I, >10X13X11	1.00	EA	\$ 1,759.76	\$ 1,759.76
0682 1133	ITS CCTV CAMERA, F&I, DOME ENCL-NP.	1.00	EA	\$ 6,737.47	\$ 6,737.47
0684 1 1	MANAGED FIELD ETHERNET SWITCH, F&I	1.00	EA	\$ 4,501.80	\$ 4,501.80
0633 6	FIBER OPTIC CABLE LOCATOR	1.00	DA	\$ 255.41	\$ 255.41

Segments Construction Sub-Totals	\$ 373,507.80
---	----------------------

Mobilization (10%)	\$ 37,350.78
Maintenance of Traffic (10%)	\$ 37,350.78
Project Unknowns (25%)	\$ 112,052.34

Project Construction Total	\$ 560,261.71
-----------------------------------	----------------------

Final Design / Engineering (25%)	\$ 140,065.43
Construction Engineering Inspection (CEI) (15%)	\$ 84,039.26

GRAND TOTAL	\$ 784,366.39
--------------------	----------------------

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$ 941,239.67
5 years Estimated Project Cost	1.5	\$ 1,176,549.58

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.

Roadway Reconfiguration & Streetscape - 11

Fairbanks Avenue at Denning Drive

Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
110-1-1	CLEARING & GRUBBING	1.72	AC	\$ 31,506.62	\$ 54,191.39
120-1	REGULAR EXCAVATION	902.46	CY	\$ 5.84	\$ 5,270.37
160-4	TYPE B STABILIZATION	1353.69	SY	\$ 9.61	\$ 13,008.96
285-709	OPTIONAL BASE, BASE GROUP 09	1353.69	SY	\$ 31.65	\$ 42,844.29
327-70-4	MILLING EXIST ASPH PAVT, 3" AVG DEPTH	4879.48	SY	\$ 4.12	\$ 20,103.46
334-1-53	SUPERPAVE ASPH CONIC, TRAF C, PG76-22	402.56	TN	\$ 151.24	\$ 60,883.17
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	402.56	TN	\$ 164.67	\$ 66,289.56
520-1-10	CONCRETE CURB & GUTTER, TYPE F	1049.00	LF	\$ 48.88	\$ 51,275.12
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	541.42	SY	\$ 74.73	\$ 40,460.32
630-2-11	CONDUIT, F&I, OPEN TRENCH	40.00	LF	\$ 15.83	\$ 633.20
630-2-12	CONDUIT, F&I, DIRECTIONAL BORE	40.00	LF	\$ 34.21	\$ 1,368.40
635-2-11	PULL & SPLICE BOX, F&I, 13" X 24"	15.00	EA	\$ 1,380.90	\$ 20,713.50
700-1-11	SINGLE POST SIGN, F&I GM,	5.00	AS	\$ 510.78	\$ 2,553.90
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 S F	5.00	AS	\$ 1,716.78	\$ 8,583.90
700-1-50	SINGLE POST SIGN, RELOCATE	5.00	AS	\$ 319.19	\$ 1,595.95
700-1-60	SINGLE POST SIGN, REMOVE	5.00	AS	\$ 53.25	\$ 266.25
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	5.00	AS	\$ 7,223.24	\$ 36,116.20
700-2-60	MULTI- POST SIGN, REMOVE	5.00	AS	\$ 950.11	\$ 4,750.55
706-1-3	RAISED PAVMT MARK, TYPE B	5.00	EA	\$ 4.43	\$ 22.15
710-11-101	PAINTED PAVT MARK, STD, WHITE, SOLID, 6"	10.00	GM	\$ 1,320.40	\$ 13,204.00
710-11-131	PAINTED PAVT MARK, STD, WHITE, SKIP, 6"	10.00	GM	\$ 725.79	\$ 7,257.90
711-15-101	THERMOPLASTIC, STD-OP, WHITE, SOLID, 6"	10.00	GM	\$ 6,356.61	\$ 63,566.10
711-15-131	THERMOPLASTIC, STD-OP, WHITE, SKIP, 6"	10.00	GM	\$ 2,159.14	\$ 21,591.40
715-61-342	LIGHT POLE CMPLT, STD, F&I, 40'MH, 12'ARM L	2.00	EA	\$ 9,167.66	\$ 18,335.32
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	2.00	EA	\$ 725.88	\$ 1,451.76
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	810.00	LF	\$ 15.83	\$ 12,822.30
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	633.00	LF	\$ 34.21	\$ 21,654.93
630-2-14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND	8.00	LF	\$ 45.20	\$ 361.60
632-7-1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	1.00	PI	\$ 9,209.38	\$ 9,209.38
633-1-121	FIBER OPTIC CABLE, F&I, UNDERGROUND, 2-12 FIBERS	18.00	LF	\$ 4.07	\$ 73.26
633-1-122	FIBER OPTIC CABLE, F&I, UNDERGROUND, 13-48 FIBERS	1317.40	LF	\$ 3.28	\$ 4,321.07
633-2-31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	4.00	EA	\$ 53.84	\$ 215.36
633-3-11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	1.00	EA	\$ 1,509.12	\$ 1,509.12
633-3-12	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY	1.00	EA	\$ 101.96	\$ 101.96
633-3-15	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED PATCH PANEL	1.00	EA	\$ 1,640.60	\$ 1,640.60
633-8-1	MULTI-CONDUCTOR COMMUNICATION CABLE, FURNISH & INSTALL	782.80	LF	\$ 87.20	\$ 68,260.16
635-2-12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	4.80	EA	\$ 2,802.06	\$ 13,449.89
635-2-13	PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	1.00	EA	\$ 5,589.94	\$ 5,589.94
635-2-14	PULL & SPLICE BOX, F&I, 17" X 30" COVER SIZE	1.80	EA	\$ 1,714.65	\$ 3,086.37
639-1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND	1.00	AS	\$ 4,640.41	\$ 4,640.41
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	20.00	LF	\$ 8.99	\$ 179.80
639-4-6	EMERGENCY GENERATOR - PORTABLE, INSTALL HOUSING ONLY	1.00	EA	\$ 10,450.00	\$ 10,450.00
641-2-12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	1.00	EA	\$ 2,224.20	\$ 2,224.20
641-2-13	PRESTRESSED CONCRETE POLE, F&I, TYPE P-III	0.80	EA	\$ 10,339.55	\$ 8,271.64
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	4.00	EA	\$ 2,665.22	\$ 10,660.88
649-21-3	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 40'	1.00	EA	\$ 67,914.18	\$ 67,914.18
649-21-6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	1.00	EA	\$ 73,953.74	\$ 73,953.74
650-1-14	VEH TRAF SIGNAL, F&I ALUMINUM, 3 S 1 W	8.00	EA	\$ 1,664.67	\$ 13,317.36
650-1-16	VEH TRAF SIGNAL, F&I ALUMINUM, 4 S 1 W	4.00	EA	\$ 2,047.93	\$ 8,191.72
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	4.00	EA	\$ 979.46	\$ 3,917.84
660-3-11	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL CABINET EQUIPMENT	0.60	EA	\$ 6,750.20	\$ 4,050.12
660-3-12	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL	4.00	EA	\$ 13,003.79	\$ 52,015.16
665-1-12	PEDESTRIAN DETECTOR, FURNISH & INSTALL, ACCESSIBLE	4.00	EA	\$ 2,182.10	\$ 8,728.40
670-5-110	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA	1.00	AS	\$ 45,695.48	\$ 45,695.48
682-1-113	ITS CCTV CAMERA, F&I, DOME PTZ ENCLOSURE - PRESSURIZED, IP, HIGH DEFINITION	1.00	EA	\$ 7,787.02	\$ 7,787.02
684-1-1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	1.00	EA	\$ 4,501.80	\$ 4,501.80

Fairbanks Avenue at Denning Avenue (CONTINUED)

Pay Item Number	Description	Quantity	Unit of Measure	Unit Price	Cost
685-1-13	UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL	1.00	EA	\$ 9,761.21	\$ 9,761.21
700-3-201	SIGN PANEL, F&I OM, UP TO 12 SF	4.00	EA	\$ 957.16	\$ 3,828.64
700-5-22	INTERNAL ILLUM SIGN, F&I OM, 12-18 SF	4.00	EA	\$ 4,942.88	\$ 19,771.52
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.20	GM	\$ 1,320.40	\$ 264.08
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	0.30	GM	\$ 725.79	\$ 217.74
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	183.00	LF	\$ 3.24	\$ 592.92
711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	24.00	LF	\$ 6.62	\$ 158.88
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	2.00	EA	\$ 179.27	\$ 358.54
711-11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	4.00	EA	\$ 90.11	\$ 360.44
711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	168.00	LF	\$ 16.56	\$ 2,782.08
711-15-101	THERMOPLASTIC, STD-OP, WHITE, SOLID, 6"	0.10	GM	\$ 6,356.61	\$ 635.66
711-15-131	THERMOPLASTIC, STD-OP, WHITE, SKIP, 6"	0.15	GM	\$ 2,159.14	\$ 323.87

Segments Construction Sub-Totals	\$ 556,337.11
---	----------------------

Mobilization (10%)	\$ 55,633.71
Maintenance of Traffic (10%)	\$ 55,633.71
Project Unknowns (25%)	\$ 166,901.13

Project Construction Total	\$ 834,505.66
-----------------------------------	----------------------

Final Design / Engineering (25%)	\$ 208,626.41
Construction Engineering Inspection (CEI) (15%)	\$ 125,175.85

GRAND TOTAL	\$ 1,168,307.92
--------------------	------------------------

Inflation-Adjusted Estimate	Inflation Factor	Adjusted Cost
2 years Estimated Project Cost	1.2	\$ 1,401,969.51
5 years Estimated Project Cost	1.5	\$ 1,752,461.88

NOTES:

1. This opinion of probable cost is based solely on conceptual level analysis and typical scopes of work for similar projects. Actual construction costs may vary significantly based on project specifics determined during the final design process and the market conditions at the time of bidding.
2. Pay items and unit prices are based on 6-month historical average costs published by FDOT for the local region, Orange County historical average costs, and engineering judgement.
3. This opinion of probable cost does not include costs associated with right-of-way acquisition, easements, reimbursable utility relocation costs, permitting fees, or any costs associated with environmental or species mitigation requirements.
4. Due to current conditions in the construction industry, we have used inflation factors higher than the FDOT work program factors to account for some of the uncertainty.