

APPENDIX E

LONG RANGE ESTIMATES

LRE

ALTERNATIVES CONSIDERED

URBAN, SUBURBAN, RURAL

LRE

Urban

Date: 5/20/2009 12:18:52 PM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 238648-1-52-01

Letting Date: 01/2099

Description: SR 45 (US 41) FROM 111 PLACE LANE TO SR 40

District: 05 County: 36 MARION Market Area: 06 Units: English

Contract Class: 4 Lump Sum Project: N Design/Build: N Project Length: 3.600 MI

Project Manager: AMS/KCE/RS&H

Version 3 Project Grand Total

\$31,434,580.36

Description: SR 45 Divided Urban, 4 Lane

Sequence: 1 NDU - New Construction, Divided, Urban

Net Length: 3.906 MI

Description: New 4 lane divided Urban section.

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	75.00 / 75.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	3.906
Top of Structural Course For Begin Section	105.00
Top of Structural Course For End Section	105.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	4.00 % / 4.00 %
Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	71.02	AC	\$12,000.00	\$852,240.00
120-6	EMBANKMENT	441,957.82	CY	\$7.00	\$3,093,704.74
Earthwork Component Total					\$3,945,944.74

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	4
Roadway Pavement Width L/R	24.00 / 24.00
Structural Spread Rate	330
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
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160-4	TYPE B STABILIZATION	133,641.45 SY	\$4.00	\$534,565.80
285-709	OPTIONAL BASE,BASE GROUP 09	109,992.96 SY	\$16.00	\$1,759,887.36
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	18,148.84 TN	\$92.00	\$1,669,693.28
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	9,074.42 TN	\$110.00	\$998,186.20

Turnouts/Crossovers Subcomponent

Description	Value
Asphalt Adjustment	10.00
Stabilization Code	Y
Base Code	Y
Friction Course Code	Y

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	13,364.14	SY	\$4.00	\$53,456.56
285-709	OPTIONAL BASE,BASE GROUP 09	10,999.30	SY	\$16.00	\$175,988.80
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,814.88	TN	\$92.00	\$166,968.96
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	907.44	TN	\$110.00	\$99,818.40

Pavement Marking Subcomponent

Description	Value
Solid Stripe No. of Stripes	4
Solid Stripe No. of Applications	2
Skip Stripe No. of Stripes	2
Skip Stripe No. of Applications	2
Top Layer Thermoplastic	Y

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE PAVEMENT MARKERS	1,582.00	EA	\$3.55	\$5,616.10
710-11-111	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	15.62	NM	\$957.22	\$14,951.78
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	7.81	GM	\$384.48	\$3,002.79
711-11-111	THERMOPLASTIC, STD, WHITE, SOLID, 6"	15.62	NM	\$3,365.25	\$52,565.20
711-11-131	THERMOPLASTIC, STD, WHITE, SKIP, 6"	7.81	GM	\$1,086.95	\$8,489.08

Roadway Component Total

\$5,543,190.32

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	12.25 / 12.25
Total Outside Shoulder Perf. Turf Width L/R	5.00 / 5.00
Sidewalk Width L/R	5.00 / 5.00

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	20,623.68 LF	\$20.64	\$425,672.76
520-1-10	CONCRETE CURB & GUTTER, TYPE F	20,623.68 LF	\$20.64	\$425,672.76
522-1	SIDEWALK CONC, 4" THICK	22,915.20 SY	\$35.07	\$803,636.06
570-1-1	PERFORMANCE TURF	22,915.20 SY	\$0.80	\$18,332.16

Erosion Control**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-4	MOWING	7.42 AC	\$277.69	\$2,060.46
104-11	FLOATING TURBIDITY BARRIER	976.50 LF	\$10.08	\$9,843.12
104-12	STAKED TURBIDITY BARRIER	976.50 LF	\$4.89	\$4,775.08
104-13-1	STAKED SILT FENCE, TYPE III	41,247.36 LF	\$1.08	\$44,547.15
104-15	SOIL TRACKING PREVENTION DEVICE	4.00 EA	\$3,134.86	\$12,539.44
104-16	ROCK BAG	4,125.00 EA	\$5.49	\$22,646.25

Shoulder Component Total

\$1,769,725.25

MEDIAN COMPONENT**User Input Data**

Description	Value
Total Median Width	22.00
Performance Turf Width	5.34

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
520-1-7	CONCRETE CURB & GUTTER, TYPE E	41,247.36 LF	\$15.81	\$652,120.76
570-1-1	PERFORMANCE TURF	12,236.72 SY	\$0.80	\$9,789.38

Median Component Total

\$661,910.14

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	70.31 CY	\$850.00	\$59,763.50
425-1-351	INLETS, CURB, TYPE P-5, <10'	141.00 EA	\$4,300.00	\$606,300.00
425-1-451	INLETS, CURB, TYPE J-5, <10'	40.00 EA	\$4,617.42	\$184,696.80
425-1-521	INLETS, DT BOT, TYPE C, <10'	20.00 EA	\$2,962.50	\$59,250.00
425-2-41	MANHOLES, P-7, <10'	20.00 EA	\$3,073.71	\$61,474.20
430-171-101	PIPE CULV OPT MATL, ROUND, 0-24", SS	10,336.00 LF	\$55.94	\$578,195.84
430-171-103	PIPE CULV OPT MATL, ROUND, 37-48", SS	19,536.00 LF	\$127.63	\$2,493,379.68
430-172-102	PIPE CULV OPT MATL, ROUND, 25-36", CD	928.00 LF	\$135.00	\$125,280.00
570-1-1	PERFORMANCE TURF	1,187.42 SY	\$0.80	\$949.94

Retention Basin 1

Description	Value
Size	1.5 AC
Multiplier	10
Depth	6.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	15.00	AC	\$12,000.00	\$180,000.00
120-1	REGULAR EXCAVATION	145,200.00	CY	\$5.00	\$726,000.00
400-2-2	CONC CLASS II, ENDWALLS	180.00	CY	\$850.00	\$153,000.00
425-1-541	INLETS, DT BOT, TYPE D, <10'	10.00	EA	\$3,675.00	\$36,750.00
425-2-71	MANHOLES, J-7, <10'	10.00	EA	\$4,689.25	\$46,892.50
430-171-103	PIPE CULV OPT MATL, ROUND, 37-48", SS	560.00	LF	\$127.63	\$71,472.80
430-171-104	PIPE CULV OPT MATL, ROUND, 49-60", SS	2,000.00	LF	\$176.55	\$353,100.00
550-10-220	FENCING, TYPE B, 5.1-6.0, STANDARD	10,250.00	LF	\$15.35	\$157,337.50
550-60-234	FENCE GATE,TYP B,SLIDE/CANT,18.1-20'OPEN	10.00	EA	\$2,972.63	\$29,726.30
570-1-1	PERFORMANCE TURF	72,600.00	SY	\$0.80	\$58,080.00
Drainage Component Total					\$5,981,649.06

INTERSECTIONS COMPONENT**Intersection 1**

Description	Value
Mainline No. of Left Turn Lanes	1
Mainline No. of Right Turn Lanes	0
Mainline Design Speed	45
Cross Street Thru Lanes	2
Cross Street No. of Left Turn Lanes	0
Cross Street No. of Right Turn Lanes	0
Cross Street Design Speed	35
T-Intersection?	Y
Multiplier	1
Description	SW 107th Lane

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.70	AC	\$12,000.00	\$8,400.00
120-1	REGULAR EXCAVATION	336.63	CY	\$5.00	\$1,683.15
160-4	TYPE B STABILIZATION	1,002.55	SY	\$4.00	\$4,010.20
160-4	TYPE B STABILIZATION	812.79	SY	\$4.00	\$3,251.16
285-709	OPTIONAL BASE,BASE GROUP 09	1,002.55	SY	\$16.00	\$16,040.80
285-709	OPTIONAL BASE,BASE GROUP 09	812.79	SY	\$16.00	\$13,004.64
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	165.42	TN	\$92.00	\$15,218.64
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	134.11	TN	\$92.00	\$12,338.12

337-7-33	ASPH CONC FC,TRAFFIC C,FC-12.5,RUBBER	82.71 TN	\$110.00	\$9,098.10
337-7-33	ASPH CONC FC,TRAFFIC C,FC-12.5,RUBBER	67.06 TN	\$110.00	\$7,376.60
520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42 LF	\$15.81	\$1,603.45
520-1-10	CONCRETE CURB & GUTTER, TYPE F	273.00 LF	\$20.64	\$5,634.72
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	462.00 LF	\$27.46	\$12,686.52
522-1	SIDEWALK CONC, 4" THICK	151.67 SY	\$35.07	\$5,319.07
522-2	SIDEWALK CONC, 6" THICK	86.94 SY	\$44.00	\$3,825.36
570-1-1	PERFORMANCE TURF	151.67 SY	\$0.80	\$121.34

Intersection 2

Description	Value
Mainline No. of Left Turn Lanes	1
Mainline No. of Right Turn Lanes	0
Mainline Design Speed	45
Cross Street Thru Lanes	2
Cross Street No. of Left Turn Lanes	0
Cross Street No. of Right Turn Lanes	0
Cross Street Design Speed	35
T-Intersection?	N
Multiplier	1
Description	SW 102nd St

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.40	AC	\$12,000.00	\$16,800.00
120-1	REGULAR EXCAVATION	673.26	CY	\$5.00	\$3,366.30
160-4	TYPE B STABILIZATION	833.22	SY	\$4.00	\$3,332.88
160-4	TYPE B STABILIZATION	1,625.58	SY	\$4.00	\$6,502.32
285-709	OPTIONAL BASE,BASE GROUP 09	833.22	SY	\$16.00	\$13,331.52
285-709	OPTIONAL BASE,BASE GROUP 09	1,625.58	SY	\$16.00	\$26,009.28
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	137.48	TN	\$92.00	\$12,648.16
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	268.22	TN	\$92.00	\$24,676.24
337-7-33	ASPH CONC FC,TRAFFIC C,FC-12.5,RUBBER	68.74	TN	\$110.00	\$7,561.40
337-7-33	ASPH CONC FC,TRAFFIC C,FC-12.5,RUBBER	134.11	TN	\$110.00	\$14,752.10
520-1-7	CONCRETE CURB & GUTTER, TYPE E	202.84	LF	\$15.81	\$3,206.90
520-1-10	CONCRETE CURB & GUTTER, TYPE F	546.00	LF	\$20.64	\$11,269.44
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	335.00	LF	\$27.46	\$9,199.10
522-1	SIDEWALK CONC, 4" THICK	303.33	SY	\$35.07	\$10,637.78
522-2	SIDEWALK CONC, 6" THICK	173.89	SY	\$44.00	\$7,651.16
570-1-1	PERFORMANCE TURF	303.33	SY	\$0.80	\$242.66

Intersection 3

Description	Value
Mainline No. of Left Turn Lanes	1
Mainline No. of Right Turn Lanes	0

Mainline Design Speed	45
Cross Street Thru Lanes	2
Cross Street No. of Left Turn Lanes	0
Cross Street No. of Right Turn Lanes	0
Cross Street Design Speed	35
T-Intersection?	Y
Multiplier	1
Description	SW 99th ST

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.70	AC	\$12,000.00	\$8,400.00
120-1	REGULAR EXCAVATION	336.63	CY	\$5.00	\$1,683.15
160-4	TYPE B STABILIZATION	833.22	SY	\$4.00	\$3,332.88
160-4	TYPE B STABILIZATION	812.79	SY	\$4.00	\$3,251.16
285-709	OPTIONAL BASE,BASE GROUP 09	833.22	SY	\$16.00	\$13,331.52
285-709	OPTIONAL BASE,BASE GROUP 09	812.79	SY	\$16.00	\$13,004.64
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	137.48	TN	\$92.00	\$12,648.16
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	134.11	TN	\$92.00	\$12,338.12
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	68.74	TN	\$110.00	\$7,561.40
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	67.06	TN	\$110.00	\$7,376.60
520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42	LF	\$15.81	\$1,603.45
520-1-10	CONCRETE CURB & GUTTER, TYPE F	273.00	LF	\$20.64	\$5,634.72
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	335.00	LF	\$27.46	\$9,199.10
522-1	SIDEWALK CONC, 4" THICK	151.67	SY	\$35.07	\$5,319.07
522-2	SIDEWALK CONC, 6" THICK	86.94	SY	\$44.00	\$3,825.36
570-1-1	PERFORMANCE TURF	151.67	SY	\$0.80	\$121.34

Intersection 4

Description	Value
Mainline No. of Left Turn Lanes	1
Mainline No. of Right Turn Lanes	0
Mainline Design Speed	45
Cross Street Thru Lanes	2
Cross Street No. of Left Turn Lanes	0
Cross Street No. of Right Turn Lanes	0
Cross Street Design Speed	35
T-Intersection?	N
Multiplier	2
Description	SW 93rd Lane, SW 88th Place,

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	2.80	AC	\$12,000.00	\$33,600.00
120-1	REGULAR EXCAVATION	1,346.52	CY	\$5.00	\$6,732.60
160-4	TYPE B STABILIZATION	1,666.44	SY	\$4.00	\$6,665.76
160-4	TYPE B STABILIZATION	3,251.16	SY	\$4.00	\$13,004.64
285-709	OPTIONAL BASE,BASE GROUP 09	1,666.44	SY	\$16.00	\$26,663.04
285-709	OPTIONAL BASE,BASE GROUP 09	3,251.16	SY	\$16.00	\$52,018.56

334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	274.96 TN	\$92.00	\$25,296.32
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	536.44 TN	\$92.00	\$49,352.48
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	137.48 TN	\$110.00	\$15,122.80
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	268.22 TN	\$110.00	\$29,504.20
520-1-7	CONCRETE CURB & GUTTER, TYPE E	405.68 LF	\$15.81	\$6,413.80
520-1-10	CONCRETE CURB & GUTTER, TYPE F	1,092.00 LF	\$20.64	\$22,538.88
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	670.00 LF	\$27.46	\$18,398.20
522-1	SIDEWALK CONC, 4" THICK	606.66 SY	\$35.07	\$21,275.57
522-2	SIDEWALK CONC, 6" THICK	347.78 SY	\$44.00	\$15,302.32
570-1-1	PERFORMANCE TURF	606.66 SY	\$0.80	\$485.33

Intersection 5

Description	Value
Mainline No. of Left Turn Lanes	1
Mainline No. of Right Turn Lanes	0
Mainline Design Speed	45
Cross Street Thru Lanes	2
Cross Street No. of Left Turn Lanes	0
Cross Street No. of Right Turn Lanes	0
Cross Street Design Speed	35
T-Intersection?	Y
Multiplier	2
Description	SW 88th St., SW 83rd Place

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.40	AC	\$12,000.00	\$16,800.00
120-1	REGULAR EXCAVATION	673.26	CY	\$5.00	\$3,366.30
160-4	TYPE B STABILIZATION	1,666.44	SY	\$4.00	\$6,665.76
160-4	TYPE B STABILIZATION	1,625.58	SY	\$4.00	\$6,502.32
285-709	OPTIONAL BASE,BASE GROUP 09	1,666.44	SY	\$16.00	\$26,663.04
285-709	OPTIONAL BASE,BASE GROUP 09	1,625.58	SY	\$16.00	\$26,009.28
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	274.96	TN	\$92.00	\$25,296.32
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	268.22	TN	\$92.00	\$24,676.24
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	137.48	TN	\$110.00	\$15,122.80
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	134.12	TN	\$110.00	\$14,753.20
520-1-7	CONCRETE CURB & GUTTER, TYPE E	202.84	LF	\$15.81	\$3,206.90
520-1-10	CONCRETE CURB & GUTTER, TYPE F	546.00	LF	\$20.64	\$11,269.44
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	670.00	LF	\$27.46	\$18,398.20
522-1	SIDEWALK CONC, 4" THICK	303.34	SY	\$35.07	\$10,638.13
522-2	SIDEWALK CONC, 6" THICK	173.88	SY	\$44.00	\$7,650.72
570-1-1	PERFORMANCE TURF	303.34	SY	\$0.80	\$242.67

Intersection 6

Description	Value
Mainline No. of Left Turn Lanes	1
Mainline No. of Right Turn Lanes	0
Mainline Design Speed	45
Cross Street Thru Lanes	4
Cross Street No. of Left Turn Lanes	0
Cross Street No. of Right Turn Lanes	0
Cross Street Design Speed	35
T-Intersection?	Y
Multiplier	1
Description	Park entrance

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.70	AC	\$12,000.00	\$8,400.00
120-1	REGULAR EXCAVATION	515.00	CY	\$5.00	\$2,575.00
160-4	TYPE B STABILIZATION	833.22	SY	\$4.00	\$3,332.88
160-4	TYPE B STABILIZATION	1,243.46	SY	\$4.00	\$4,973.84
285-709	OPTIONAL BASE,BASE GROUP 09	833.22	SY	\$16.00	\$13,331.52
285-709	OPTIONAL BASE,BASE GROUP 09	1,243.46	SY	\$16.00	\$19,895.36
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	137.48	TN	\$92.00	\$12,648.16
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	205.17	TN	\$92.00	\$18,875.64
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	68.74	TN	\$110.00	\$7,561.40
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	102.59	TN	\$110.00	\$11,284.90
520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42	LF	\$15.81	\$1,603.45
520-1-10	CONCRETE CURB & GUTTER, TYPE F	273.00	LF	\$20.64	\$5,634.72
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	335.00	LF	\$27.46	\$9,199.10
522-1	SIDEWALK CONC, 4" THICK	151.67	SY	\$35.07	\$5,319.07
522-2	SIDEWALK CONC, 6" THICK	86.94	SY	\$44.00	\$3,825.36
570-1-1	PERFORMANCE TURF	151.67	SY	\$0.80	\$121.34

Intersection 7

Description	Value
Mainline No. of Left Turn Lanes	1
Mainline No. of Right Turn Lanes	0
Mainline Design Speed	45
Cross Street Thru Lanes	4
Cross Street No. of Left Turn Lanes	0
Cross Street No. of Right Turn Lanes	0
Cross Street Design Speed	35
T-Intersection?	N
Multiplier	1
Description	SW 77th Loop

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.40	AC	\$12,000.00	\$16,800.00
120-1	REGULAR EXCAVATION	1,030.00	CY	\$5.00	\$5,150.00

160-4	TYPE B STABILIZATION	1,479.88 SY	\$4.00	\$5,919.52
160-4	TYPE B STABILIZATION	2,486.92 SY	\$4.00	\$9,947.68
285-709	OPTIONAL BASE,BASE GROUP 09	1,479.88 SY	\$16.00	\$23,678.08
285-709	OPTIONAL BASE,BASE GROUP 09	2,486.92 SY	\$16.00	\$39,790.72
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	244.18 TN	\$92.00	\$22,464.56
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	410.34 TN	\$92.00	\$37,751.28
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	122.09 TN	\$110.00	\$13,429.90
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	205.17 TN	\$110.00	\$22,568.70
520-1-7	CONCRETE CURB & GUTTER, TYPE E	202.84 LF	\$15.81	\$3,206.90
520-1-10	CONCRETE CURB & GUTTER, TYPE F	546.00 LF	\$20.64	\$11,269.44
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	820.00 LF	\$27.46	\$22,517.20
522-1	SIDEWALK CONC, 4" THICK	303.33 SY	\$35.07	\$10,637.78
522-2	SIDEWALK CONC, 6" THICK	173.89 SY	\$44.00	\$7,651.16
570-1-1	PERFORMANCE TURF	303.33 SY	\$0.80	\$242.66

Intersection 8

Description	Value
Mainline No. of Left Turn Lanes	1
Mainline No. of Right Turn Lanes	0
Mainline Design Speed	50
Cross Street Thru Lanes	2
Cross Street No. of Left Turn Lanes	0
Cross Street No. of Right Turn Lanes	0
Cross Street Design Speed	35
T-Intersection?	Y
Multiplier	1
Description	SR 40

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.70	AC	\$12,000.00	\$8,400.00
120-1	REGULAR EXCAVATION	336.63	CY	\$5.00	\$1,683.15
160-4	TYPE B STABILIZATION	1,026.56	SY	\$4.00	\$4,106.24
160-4	TYPE B STABILIZATION	812.79	SY	\$4.00	\$3,251.16
285-709	OPTIONAL BASE,BASE GROUP 09	1,026.56	SY	\$16.00	\$16,424.96
285-709	OPTIONAL BASE,BASE GROUP 09	812.79	SY	\$16.00	\$13,004.64
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	169.38	TN	\$92.00	\$15,582.96
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	134.11	TN	\$92.00	\$12,338.12
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	84.69	TN	\$110.00	\$9,315.90
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	67.06	TN	\$110.00	\$7,376.60
520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42	LF	\$15.81	\$1,603.45
520-1-10	CONCRETE CURB & GUTTER, TYPE F	273.00	LF	\$20.64	\$5,634.72
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	480.00	LF	\$27.46	\$13,180.80

522-1	SIDEWALK CONC, 4" THICK	151.67 SY	\$35.07	\$5,319.07
522-2	SIDEWALK CONC, 6" THICK	86.94 SY	\$44.00	\$3,825.36
570-1-1	PERFORMANCE TURF	151.67 SY	\$0.80	\$121.34

Intersection 9

Description	Value
Mainline No. of Left Turn Lanes	1
Mainline No. of Right Turn Lanes	0
Mainline Design Speed	45
Cross Street Thru Lanes	2
Cross Street No. of Left Turn Lanes	0
Cross Street No. of Right Turn Lanes	0
Cross Street Design Speed	35
T-Intersection?	Y
Multiplier	1
Description	sw 86th St.

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.70	AC	\$12,000.00	\$8,400.00
120-1	REGULAR EXCAVATION	336.63	CY	\$5.00	\$1,683.15
160-4	TYPE B STABILIZATION	833.22	SY	\$4.00	\$3,332.88
160-4	TYPE B STABILIZATION	812.79	SY	\$4.00	\$3,251.16
285-709	OPTIONAL BASE,BASE GROUP 09	833.22	SY	\$16.00	\$13,331.52
285-709	OPTIONAL BASE,BASE GROUP 09	812.79	SY	\$16.00	\$13,004.64
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	137.48	TN	\$92.00	\$12,648.16
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	134.11	TN	\$92.00	\$12,338.12
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	68.74	TN	\$110.00	\$7,561.40
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	67.06	TN	\$110.00	\$7,376.60
520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42	LF	\$15.81	\$1,603.45
520-1-10	CONCRETE CURB & GUTTER, TYPE F	273.00	LF	\$20.64	\$5,634.72
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	335.00	LF	\$27.46	\$9,199.10
522-1	SIDEWALK CONC, 4" THICK	151.67	SY	\$35.07	\$5,319.07
522-2	SIDEWALK CONC, 6" THICK	86.94	SY	\$44.00	\$3,825.36
570-1-1	PERFORMANCE TURF	151.67	SY	\$0.80	\$121.34
Intersections Component Total					\$1,570,472.06

SIGNING COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-20-11	SINGLE POST SIGN, F&I, LESS THAN 12 SF	94.00	AS	\$209.85	\$19,725.90
700-20-12	SINGLE POST SIGN, F&I, 12-20 SF	8.00	AS	\$466.00	\$3,728.00
700-21-11	MULTI- POST SIGN, F&I, 50 OR <	8.00	AS	\$3,017.57	\$24,140.56
700-21-12	MULTI- POST SIGN, F&I, 51-100	8.00	AS	\$5,017.69	\$40,141.52

Signing Component Total**\$87,735.98****SIGNALIZATIONS COMPONENT****Signalization 1**

Description	Value
Type	2 Lane Mast Arm
Multiplier	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-1-12	CONDUIT-SIGNALS, F& I, UNDERGROUND	1,600.00	LF	\$5.00	\$8,000.00
630-1-14	CONDUIT-SIGNALS,F& I, UG JACKED	400.00	LF	\$17.20	\$6,880.00
632-7-1	CABLE, SIGNAL, FURNISH & INSTALL	2.00	PI	\$3,203.75	\$6,407.50
635-1-11	PULL & JUNCTION BOXES, F&I, PULL BOX	24.00	EA	\$362.00	\$8,688.00
639-1-22	SIGNAL,ELECT POWER SERV,UG,PUR CONT	2.00	AS	\$998.75	\$1,997.50
639-2-1	SIGNAL,ELECTRICAL SERVICE WIRE	120.00	LF	\$1.81	\$217.20
649-423-102	M/ARM, F&I/HL, 1ST B3, 2ND B1, POLE Q2	6.00	EA	\$24,813.25	\$148,879.50
650-51-311	TRAFFIC SIGNAL, F&I, 3 SECT, 1 WAY, STD	10.00	AS	\$824.90	\$8,249.00
653-111	PEDESTRIAN SIGNAL, 12 IN, INCANDES,1 WAY	4.00	AS	\$400.00	\$1,600.00
659-101	SGNL HEAD AUXIL, F&I, BACK PLT 3 SECT	10.00	EA	\$132.83	\$1,328.30
659-109	SGNL HEAD AUXIL, F&I, CONC PED TYP II	2.00	EA	\$803.75	\$1,607.50
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	12.00	EA	\$171.64	\$2,059.68
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	12.00	AS	\$631.83	\$7,581.96
665-11	PED DET, F&I, DET STA POLE OR CAB MTD	4.00	EA	\$171.34	\$685.36
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	2.00	AS	\$19,573.73	\$39,147.46
700-48-19	SIGN PANELS, F & I, 16 - 100	6.00	EA	\$1,306.80	\$7,840.80

Signalization 2

Description	Value
Type	2 Lane Mast Arm
Multiplier	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-1-12	CONDUIT-SIGNALS, F& I, UNDERGROUND	800.00	LF	\$5.00	\$4,000.00
630-1-14	CONDUIT-SIGNALS,F& I, UG JACKED	200.00	LF	\$17.20	\$3,440.00
632-7-1	CABLE, SIGNAL, FURNISH & INSTALL	1.00	PI	\$3,203.75	\$3,203.75

635-1-11	PULL & JUNCTION BOXES, F&I, PULL BOX	6.00 EA	\$362.00	\$2,172.00
639-1-22	SIGNAL,ELECT POWER SERV,UG,PUR CONT	1.00 AS	\$998.75	\$998.75
639-2-1	SIGNAL,ELECTRICAL SERVICE WIRE	60.00 LF	\$1.81	\$108.60
649-423-102	M/ARM, F&I/HL, 1ST B3, 2ND B1, POLE Q2	4.00 EA	\$24,813.25	\$99,253.00
650-51-311	TRAFFIC SIGNAL, F&I, 3 SECT, 1 WAY, STD	4.00 AS	\$824.90	\$3,299.60
653-111	PEDESTRIAN SIGNAL, 12 IN, INCANDES,1 WAY	4.00 AS	\$400.00	\$1,600.00
659-101	SGNL HEAD AUXIL, F&I, BACK PLT 3 SECT	4.00 EA	\$132.83	\$531.32
659-109	SGNL HEAD AUXIL, F&I, CONC PED TYP II	1.00 EA	\$803.75	\$803.75
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00 AS	\$19,573.73	\$19,573.73

Signalizations Component Total

\$390,154.26

Sequence 1 Total

\$19,950,781.81

Sequence: 2 NUR - New Construction, Undivided, Rural**Net Length:** 0.261 MI**Description:** SR 45 transition from 4 lane urban to 2 lane rural**Special** 78' width at urban section and 20' at rural section. transition length 566'**Conditions:****EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	70.00 / 70.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.261
Top of Structural Course For Begin Section	105.00
Top of Structural Course For End Section	105.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	4.43	AC	\$12,000.00	\$53,160.00
120-6	EMBANKMENT	14,222.81	CY	\$7.00	\$99,559.67
Earthwork Component Total					\$152,719.67

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	2
Roadway Pavement Width L/R	12.00 / 12.00
Structural Spread Rate	330
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	6,737.28	SY	\$4.00	\$26,949.12
285-709	OPTIONAL BASE,BASE GROUP 09	3,775.94	SY	\$16.00	\$60,415.04
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	606.36	TN	\$92.00	\$55,785.12
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	303.18	TN	\$110.00	\$33,349.80

Pavement Marking Subcomponent

Description	Value
Solid Stripe No. of Stripes	2
Solid Stripe No. of Applications	2
Skip Stripe No. of Stripes	1
Skip Stripe No. of Applications	2
Top Layer Thermoplastic	Y

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE PAVEMENT MARKERS	35.00	EA	\$3.55	\$124.25
710-11-111	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.52	NM	\$957.22	\$497.75
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	0.26	GM	\$384.48	\$99.96
711-11-111	THERMOPLASTIC, STD, WHITE, SOLID, 6"	0.52	NM	\$3,365.25	\$1,749.93
711-11-131	THERMOPLASTIC, STD, WHITE, SKIP, 6"	0.26	GM	\$1,086.95	\$282.61
Roadway Component Total					\$179,253.58

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	10.00 / 10.00
Total Outside Shoulder Perf. Turf Width L/R	2.67 / 2.67
Paved Outside Shoulder Width L/R	5.00 / 5.00
Structural Spread Rate	110
Friction Course Spread Rate	165
Total Width (T) / 8" Overlap (O)	T
Rumble Strips No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	1,632.26	SY	\$11.00	\$17,954.86
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	84.22	TN	\$92.00	\$7,748.24
337-7-33	ASPH CONC FC,TRAFFIC C,FC-12.5,RUBBER	126.32	TN	\$110.00	\$13,895.20
570-1-1	PERFORMANCE TURF	817.66	SY	\$0.80	\$654.13

Erosion Control**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-4	MOWING	0.31	AC	\$277.69	\$86.08
104-10-2	SYNTHETIC BALES	826.85	LF	\$9.33	\$7,714.51
104-11	FLOATING TURBIDITY BARRIER	65.25	LF	\$10.08	\$657.72
104-12	STAKED TURBIDITY BARRIER	65.25	LF	\$4.89	\$319.07
104-13-1	STAKED SILT FENCE, TYPE III	2,756.16	LF	\$1.08	\$2,976.65
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$3,134.86	\$3,134.86
Shoulder Component Total					\$55,141.32

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	4.70	CY	\$850.00	\$3,995.00

430-172-102	PIPE CULV OPT MATL, ROUND, 25-36", CD	48.00 LF	\$135.00	\$6,480.00
430-174-101	PIPE CULV, OPT MATL, ROUND,0- 24"SD	104.00 LF	\$67.76	\$7,047.04
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	11.00 EA	\$1,163.63	\$12,799.93
570-1-1	PERFORMANCE TURF	183.74 SY	\$0.80	\$146.99
Drainage Component Total				\$30,468.96

SIGNING COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-20-11	SINGLE POST SIGN, F&I, LESS THAN 12 SF	1.00	AS	\$209.85	\$209.85
700-20-12	SINGLE POST SIGN, F&I, 12-20 SF	6.00	AS	\$466.00	\$2,796.00
700-21-11	MULTI- POST SIGN, F&I, 50 OR <	1.00	AS	\$3,017.57	\$3,017.57
Signing Component Total					\$6,023.42

Sequence 2 Total **\$423,606.95**

Sequence: 3NUR - New Construction, Undivided, Rural**Net Length:** 0.552 MI**Description:** Sequence for all right turn lanes and the left turns for the median opening at Sta 268+00**Special** items for clear&grub,signing,drainage,shoulders and erosion control zeroed out(covered under**Conditions:** main sequence for 4 lane urban roadway.)**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	50.00 / 50.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.552
Top of Structural Course For Begin Section	105.00
Top of Structural Course For End Section	105.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
120-6	EMBANKMENT	15,040.21 CY	\$7.00	\$105,281.47
Earthwork Component Total				\$105,281.47

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	1
Roadway Pavement Width L/R	0.00 / 12.00
Structural Spread Rate	330
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	10,362.88 SY	\$4.00	\$41,451.52
285-709	OPTIONAL BASE,BASE GROUP 09	3,992.95 SY	\$16.00	\$63,887.20
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	641.20 TN	\$92.00	\$58,990.40
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	320.60 TN	\$110.00	\$35,266.00

Pavement Marking Subcomponent

Description	Value
Solid Stripe No. of Stripes	2
Solid Stripe No. of Applications	2
Skip Stripe No. of Stripes	0
Skip Stripe No. of Applications	2
Top Layer Thermoplastic	Y

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
710-11-111	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	1.10	NM	\$957.22	\$1,052.94
711-11-111	THERMOPLASTIC, STD, WHITE, SOLID, 6"	1.10	NM	\$3,365.25	\$3,701.78
Roadway Component Total					\$204,349.84
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Sequence 3 Total					\$309,631.31
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FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 238648-1-52-01

Letting Date: 01/2099

Description: SR 45 (US 41) FROM 111 PLACE LANE TO SR 40

District: 05 County: 36 MARION

Market Area: 06 Units: English

Contract Class: 4 Lump Sum Project: N

Design/Build: N Project Length: 3.600 MI

Project Manager: AMS/KCE/RS&H

Version 3 Project Grand Total**\$31,434,580.36**

Description: SR 45 Divided Urban, 4 Lane

Project Sequences Subtotal**\$20,684,020.07**

102-1 Maintenance of Traffic 10.00 % \$2,068,402.01

101-1 Mobilization 10.00 % \$2,275,242.21

Project Sequences Total**\$25,027,664.29**

Project Unknowns 25.00 % \$6,256,916.07

Non-Bid Components:

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
999-25	INITIAL CONTINGENCY AMOUNT (DO NOT BID)		LS	\$150,000.00	\$150,000.00

Project Non-Bid Subtotal

\$150,000.00

Version 3 Project Grand Total**\$31,434,580.36**

LRE

Suburban

Date: 5/20/2009 12:22:00 PM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 238648-1-52-01

Letting Date: 01/2099

Description: SR 45 (US 41) FROM 111 PLACE LANE TO SR 40

District: 05 County: 36 MARION Market Area: 06 Units: English

Contract Class: 4 Lump Sum Project: N Design/Build: N Project Length: 3.600 MI

Project Manager: AMS/KCE/RS&H

Version 5 Project Grand Total

\$26,103,815.78

Description: SR 45 Divided Suburban

Sequence: 1 NDS1 - New, Divided, Suburban (Urban In/Rural Out)

Net Length: 3.906 MI

Description: New 4 lane divided suburban roadway

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	100.00 / 100.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	3.906
Top of Structural Course For Begin Section	105.00
Top of Structural Course For End Section	105.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	4.00 % / 4.00 %
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	94.69	AC	\$12,000.00	\$1,136,280.00
120-6	EMBANKMENT	356,102.21	CY	\$7.00	\$2,492,715.47
Earthwork Component Total					\$3,628,995.47

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	4
Roadway Pavement Width L/R	24.00 / 24.00
Structural Spread Rate	330
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
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160-4	TYPE B STABILIZATION	167,647.60 SY	\$4.00	\$670,590.40
285-709	OPTIONAL BASE,BASE GROUP 09	113,017.77 SY	\$16.00	\$1,808,284.32
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	18,148.84 TN	\$92.00	\$1,669,693.28
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	9,074.42 TN	\$100.00	\$907,442.00

Turnouts/Crossovers Subcomponent

Description	Value
Asphalt Adjustment	10.00
Stabilization Code	Y
Base Code	Y
Friction Course Code	Y

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	16,764.76	SY	\$4.00	\$67,059.04
285-709	OPTIONAL BASE,BASE GROUP 09	11,301.78	SY	\$16.00	\$180,828.48
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,814.88	TN	\$92.00	\$166,968.96
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	907.44	TN	\$100.00	\$90,744.00

Pavement Marking Subcomponent

Description	Value
Solid Stripe No. of Stripes	4
Solid Stripe No. of Applications	2
Skip Stripe No. of Stripes	2
Skip Stripe No. of Applications	2
Top Layer Thermoplastic	Y

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE PAVEMENT MARKERS	1,582.00	EA	\$3.55	\$5,616.10
710-11-111	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	15.62	NM	\$957.22	\$14,951.78
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	7.81	GM	\$384.48	\$3,002.79
711-11-111	THERMOPLASTIC, STD, WHITE, SOLID, 6"	15.62	NM	\$3,365.25	\$52,565.20
711-11-131	THERMOPLASTIC, STD, WHITE, SKIP, 6"	7.81	GM	\$1,086.95	\$8,489.08

Roadway Component Total

\$5,646,235.44

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	10.00 / 10.00
Total Outside Shoulder Perf. Turf Width L/R	2.67 / 2.67
Paved Outside Shoulder Width L/R	5.00 / 5.00
Structural Spread Rate	110
Friction Course Spread Rate	165

Total Width (T) / 8" Overlap (O)	T
Rumble Strips No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	24,427.60	SY	\$11.00	\$268,703.60
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,260.34	TN	\$92.00	\$115,951.28
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	1,890.50	TN	\$100.00	\$189,050.00
570-1-1	PERFORMANCE TURF	12,236.72	SY	\$0.80	\$9,789.38

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
522-1	SIDEWALK CONC, 4" THICK	25,172.61	SY	\$35.07	\$882,803.43
522-2	SIDEWALK CONC, 6" THICK	1,304.14	SY	\$44.00	\$57,382.16

Erosion Control**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-4	MOWING	7.42	AC	\$277.69	\$2,060.46
104-10-2	SYNTHETIC BALES	12,374.21	LF	\$9.33	\$115,451.38
104-11	FLOATING TURBIDITY BARRIER	976.50	LF	\$10.08	\$9,843.12
104-12	STAKED TURBIDITY BARRIER	976.50	LF	\$4.89	\$4,775.08
104-13-1	STAKED SILT FENCE, TYPE III	41,247.36	LF	\$1.08	\$44,547.15
104-15	SOIL TRACKING PREVENTION DEVICE	4.00	EA	\$3,134.86	\$12,539.44

Shoulder Component Total

\$1,712,896.49

MEDIAN COMPONENT**User Input Data**

Description	Value
Total Median Width	22.00
Performance Turf Width	5.34

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-7	CONCRETE CURB & GUTTER, TYPE E	41,247.36	LF	\$15.81	\$652,120.76
520-5-46	TRAF SEP CONC-TYPE IV,8.5' WIDE	9,947.00	LF	\$51.73	\$514,558.31
570-1-1	PERFORMANCE TURF	12,236.72	SY	\$0.80	\$9,789.38

Median Component Total

\$1,176,468.45

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	70.31	CY	\$850.00	\$59,763.50

425-1-551	INLETS, DT BOT, TYPE E, <10'	32.00 EA	\$2,840.12	\$90,883.84
430-171-101	PIPE CULV OPT MATL, ROUND, 0-24", SS	1,624.00 LF	\$55.94	\$90,846.56
430-172-102	PIPE CULV OPT MATL, ROUND, 25-36", CD	928.00 LF	\$135.00	\$125,280.00
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	32.00 EA	\$1,163.63	\$37,236.16
570-1-1	PERFORMANCE TURF	1,499.90 SY	\$0.80	\$1,199.92

Retention Basin 1

Description	Value
Size	1.5 AC
Multiplier	10
Depth	6.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	15.00	AC	\$12,000.00	\$180,000.00
120-1	REGULAR EXCAVATION	145,200.00	CY	\$5.00	\$726,000.00
400-2-2	CONC CLASS II, ENDWALLS	180.00	CY	\$850.00	\$153,000.00
425-1-541	INLETS, DT BOT, TYPE D, <10'	10.00	EA	\$3,675.00	\$36,750.00
425-2-71	MANHOLES, J-7, <10'	10.00	EA	\$4,689.25	\$46,892.50
430-171-103	PIPE CULV OPT MATL, ROUND, 37-48", SS	560.00	LF	\$127.63	\$71,472.80
430-171-104	PIPE CULV OPT MATL, ROUND, 49-60", SS	2,000.00	LF	\$176.55	\$353,100.00
550-10-220	FENCING, TYPE B, 5.1-6.0, STANDARD	10,250.00	LF	\$15.35	\$157,337.50
550-60-234	FENCE GATE, TYP B, SLIDE/CANT, 18.1-20' OPEN	10.00	EA	\$2,972.63	\$29,726.30
570-1-1	PERFORMANCE TURF	72,600.00	SY	\$0.80	\$58,080.00
Drainage Component Total					\$2,217,569.08

INTERSECTIONS COMPONENT**Intersection 1**

Description	Value
Mainline No. of Left Turn Lanes	0
Mainline No. of Right Turn Lanes	0
Mainline Design Speed	45
Cross Street Thru Lanes	2
Cross Street No. of Left Turn Lanes	0
Cross Street No. of Right Turn Lanes	0
Cross Street Design Speed	45
T-Intersection?	Y
Multiplier	1
Description	SW 107th Lane

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.42	AC	\$12,000.00	\$5,040.00
120-6	EMBANKMENT	2,226.52	CY	\$7.00	\$15,585.64

160-4	TYPE B STABILIZATION	1,046.67 SY	\$4.00	\$4,186.68
160-4	TYPE B STABILIZATION	899.43 SY	\$4.00	\$3,597.72
285-704	OPTIONAL BASE,BASE GROUP 04	182.22 SY	\$11.00	\$2,004.42
285-709	OPTIONAL BASE,BASE GROUP 09	1,046.67 SY	\$16.00	\$16,746.72
285-709	OPTIONAL BASE,BASE GROUP 09	717.21 SY	\$16.00	\$11,475.36
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	172.70 TN	\$92.00	\$15,888.40
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	128.36 TN	\$92.00	\$11,809.12
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	86.35 TN	\$100.00	\$8,635.00
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	35.98 TN	\$100.00	\$3,598.00
522-1	SIDEWALK CONC, 4" THICK	182.22 SY	\$35.07	\$6,390.46
570-1-1	PERFORMANCE TURF	97.31 SY	\$0.80	\$77.85

Intersection 2

Description	Value
Mainline No. of Left Turn Lanes	0
Mainline No. of Right Turn Lanes	0
Mainline Design Speed	45
Cross Street Thru Lanes	2
Cross Street No. of Left Turn Lanes	0
Cross Street No. of Right Turn Lanes	0
Cross Street Design Speed	45
T-Intersection?	N
Multiplier	1
Description	SW 102nd St

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.85	AC	\$12,000.00	\$10,200.00
120-6	EMBANKMENT	4,453.05	CY	\$7.00	\$31,171.35
160-4	TYPE B STABILIZATION	2,622.67	SY	\$4.00	\$10,490.68
160-4	TYPE B STABILIZATION	1,798.86	SY	\$4.00	\$7,195.44
285-704	OPTIONAL BASE,BASE GROUP 04	364.44	SY	\$11.00	\$4,008.84
285-709	OPTIONAL BASE,BASE GROUP 09	2,622.67	SY	\$16.00	\$41,962.72
285-709	OPTIONAL BASE,BASE GROUP 09	1,434.42	SY	\$16.00	\$22,950.72
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	432.74	TN	\$92.00	\$39,812.08
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	256.72	TN	\$92.00	\$23,618.24
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	30.25	TN	\$100.00	\$3,025.00
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	71.96	TN	\$100.00	\$7,196.00
520-1-7	CONCRETE CURB & GUTTER, TYPE E	175.94	LF	\$15.81	\$2,781.61
522-1	SIDEWALK CONC, 4" THICK	364.44	SY	\$35.07	\$12,780.91
570-1-1	PERFORMANCE TURF	194.61	SY	\$0.80	\$155.69

Intersection 3

Description	Value
Mainline No. of Left Turn Lanes	0
Mainline No. of Right Turn Lanes	0

Mainline Design Speed	45
Cross Street Thru Lanes	2
Cross Street No. of Left Turn Lanes	0
Cross Street No. of Right Turn Lanes	0
Cross Street Design Speed	45
T-Intersection?	Y
Multiplier	1
Description	SW 99th Place

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.42	AC	\$12,000.00	\$5,040.00
120-6	EMBANKMENT	2,226.52	CY	\$7.00	\$15,585.64
160-4	TYPE B STABILIZATION	1,597.33	SY	\$4.00	\$6,389.32
160-4	TYPE B STABILIZATION	899.43	SY	\$4.00	\$3,597.72
285-704	OPTIONAL BASE,BASE GROUP 04	182.22	SY	\$11.00	\$2,004.42
285-709	OPTIONAL BASE,BASE GROUP 09	1,597.33	SY	\$16.00	\$25,557.28
285-709	OPTIONAL BASE,BASE GROUP 09	717.21	SY	\$16.00	\$11,475.36
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	263.56	TN	\$92.00	\$24,247.52
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	128.36	TN	\$92.00	\$11,809.12
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	101.53	TN	\$100.00	\$10,153.00
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	35.98	TN	\$100.00	\$3,598.00
522-1	SIDEWALK CONC, 4" THICK	182.22	SY	\$35.07	\$6,390.46
570-1-1	PERFORMANCE TURF	97.31	SY	\$0.80	\$77.85

Intersection 4

Description	Value
Mainline No. of Left Turn Lanes	0
Mainline No. of Right Turn Lanes	0
Mainline Design Speed	45
Cross Street Thru Lanes	2
Cross Street No. of Left Turn Lanes	0
Cross Street No. of Right Turn Lanes	0
Cross Street Design Speed	45
T-Intersection?	N
Multiplier	1
Description	SW 93rd Lane

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.85	AC	\$12,000.00	\$10,200.00
120-6	EMBANKMENT	4,453.05	CY	\$7.00	\$31,171.35
160-4	TYPE B STABILIZATION	1,873.33	SY	\$4.00	\$7,493.32
160-4	TYPE B STABILIZATION	1,798.86	SY	\$4.00	\$7,195.44
285-704	OPTIONAL BASE,BASE GROUP 04	364.44	SY	\$11.00	\$4,008.84
285-709	OPTIONAL BASE,BASE GROUP 09	1,873.33	SY	\$16.00	\$29,973.28
285-709	OPTIONAL BASE,BASE GROUP 09	1,434.42	SY	\$16.00	\$22,950.72
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	309.10	TN	\$92.00	\$28,437.20
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	256.72	TN	\$92.00	\$23,618.24

337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	154.55 TN	\$100.00	\$15,455.00
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	71.96 TN	\$100.00	\$7,196.00
522-1	SIDEWALK CONC, 4" THICK	364.44 SY	\$35.07	\$12,780.91
570-1-1	PERFORMANCE TURF	194.61 SY	\$0.80	\$155.69

Intersection 5

Description	Value
Mainline No. of Left Turn Lanes	0
Mainline No. of Right Turn Lanes	0
Mainline Design Speed	45
Cross Street Thru Lanes	2
Cross Street No. of Left Turn Lanes	0
Cross Street No. of Right Turn Lanes	0
Cross Street Design Speed	45
T-Intersection?	N
Multiplier	1
Description	SW 88th Place

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.85	AC	\$12,000.00	\$10,200.00
120-6	EMBANKMENT	4,453.05	CY	\$7.00	\$31,171.35
160-4	TYPE B STABILIZATION	1,485.33	SY	\$4.00	\$5,941.32
160-4	TYPE B STABILIZATION	1,798.86	SY	\$4.00	\$7,195.44
285-704	OPTIONAL BASE,BASE GROUP 04	364.44	SY	\$11.00	\$4,008.84
285-709	OPTIONAL BASE,BASE GROUP 09	1,485.33	SY	\$16.00	\$23,765.28
285-709	OPTIONAL BASE,BASE GROUP 09	1,434.42	SY	\$16.00	\$22,950.72
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	184.58	TN	\$92.00	\$16,981.36
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	256.72	TN	\$92.00	\$23,618.24
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	92.29	TN	\$100.00	\$9,229.00
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	71.96	TN	\$100.00	\$7,196.00
522-1	SIDEWALK CONC, 4" THICK	364.44	SY	\$35.07	\$12,780.91
570-1-1	PERFORMANCE TURF	194.61	SY	\$0.80	\$155.69

Intersection 6

Description	Value
Mainline No. of Left Turn Lanes	0
Mainline No. of Right Turn Lanes	0
Mainline Design Speed	45
Cross Street Thru Lanes	2
Cross Street No. of Left Turn Lanes	0
Cross Street No. of Right Turn Lanes	0
Cross Street Design Speed	45
T-Intersection?	Y
Multiplier	1
Description	SW 86th St

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
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110-1-1	CLEARING & GRUBBING	0.42 AC	\$12,000.00	\$5,040.00
120-6	EMBANKMENT	2,226.52 CY	\$7.00	\$15,585.64
160-4	TYPE B STABILIZATION	1,002.67 SY	\$4.00	\$4,010.68
160-4	TYPE B STABILIZATION	899.43 SY	\$4.00	\$3,597.72
285-704	OPTIONAL BASE,BASE GROUP 04	182.22 SY	\$11.00	\$2,004.42
285-709	OPTIONAL BASE,BASE GROUP 09	1,002.67 SY	\$16.00	\$16,042.72
285-709	OPTIONAL BASE,BASE GROUP 09	717.21 SY	\$16.00	\$11,475.36
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	165.44 TN	\$92.00	\$15,220.48
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	128.36 TN	\$92.00	\$11,809.12
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	52.47 TN	\$100.00	\$5,247.00
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	35.98 TN	\$100.00	\$3,598.00
522-1	SIDEWALK CONC, 4" THICK	182.22 SY	\$35.07	\$6,390.46
570-1-1	PERFORMANCE TURF	97.31 SY	\$0.80	\$77.85

Intersection 7

Description	Value
Mainline No. of Left Turn Lanes	0
Mainline No. of Right Turn Lanes	0
Mainline Design Speed	45
Cross Street Thru Lanes	2
Cross Street No. of Left Turn Lanes	0
Cross Street No. of Right Turn Lanes	0
Cross Street Design Speed	45
T-Intersection?	Y
Multiplier	1
Description	SW 83rd Place

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.42	AC	\$12,000.00	\$5,040.00
120-6	EMBANKMENT	2,226.52	CY	\$7.00	\$15,585.64
160-4	TYPE B STABILIZATION	870.67	SY	\$4.00	\$3,482.68
160-4	TYPE B STABILIZATION	899.43	SY	\$4.00	\$3,597.72
285-704	OPTIONAL BASE,BASE GROUP 04	182.22	SY	\$11.00	\$2,004.42
285-709	OPTIONAL BASE,BASE GROUP 09	870.67	SY	\$16.00	\$13,930.72
285-709	OPTIONAL BASE,BASE GROUP 09	717.21	SY	\$16.00	\$11,475.36
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	143.66	TN	\$92.00	\$13,216.72
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	128.36	TN	\$92.00	\$11,809.12
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	71.83	TN	\$100.00	\$7,183.00
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	35.98	TN	\$100.00	\$3,598.00
522-1	SIDEWALK CONC, 4" THICK	182.22	SY	\$35.07	\$6,390.46
570-1-1	PERFORMANCE TURF	97.31	SY	\$0.80	\$77.85

Intersection 8

Description	Value
Mainline No. of Left Turn Lanes	0

Mainline No. of Right Turn Lanes	0
Mainline Design Speed	45
Cross Street Thru Lanes	4
Cross Street No. of Left Turn Lanes	0
Cross Street No. of Right Turn Lanes	0
Cross Street Design Speed	45
T-Intersection?	Y
Multiplier	1
Description	Park Entrance

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.42	AC	\$12,000.00	\$5,040.00
120-6	EMBANKMENT	2,980.80	CY	\$7.00	\$20,865.60
160-4	TYPE B STABILIZATION	1,322.67	SY	\$4.00	\$5,290.68
160-4	TYPE B STABILIZATION	1,403.43	SY	\$4.00	\$5,613.72
285-704	OPTIONAL BASE,BASE GROUP 04	182.22	SY	\$11.00	\$2,004.42
285-709	OPTIONAL BASE,BASE GROUP 09	1,322.67	SY	\$16.00	\$21,162.72
285-709	OPTIONAL BASE,BASE GROUP 09	1,221.21	SY	\$16.00	\$19,539.36
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	218.24	TN	\$92.00	\$20,078.08
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	211.52	TN	\$92.00	\$19,459.84
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	109.12	TN	\$100.00	\$10,912.00
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	56.14	TN	\$100.00	\$5,614.00
522-1	SIDEWALK CONC, 4" THICK	182.22	SY	\$35.07	\$6,390.46
570-1-1	PERFORMANCE TURF	97.31	SY	\$0.80	\$77.85

Intersection 9

Description	Value
Mainline No. of Left Turn Lanes	0
Mainline No. of Right Turn Lanes	0
Mainline Design Speed	45
Cross Street Thru Lanes	2
Cross Street No. of Left Turn Lanes	0
Cross Street No. of Right Turn Lanes	0
Cross Street Design Speed	45
T-Intersection?	N
Multiplier	1
Description	SW 77th Loop

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.85	AC	\$12,000.00	\$10,200.00
120-6	EMBANKMENT	4,453.05	CY	\$7.00	\$31,171.35
160-4	TYPE B STABILIZATION	1,345.33	SY	\$4.00	\$5,381.32
160-4	TYPE B STABILIZATION	1,798.86	SY	\$4.00	\$7,195.44
285-704	OPTIONAL BASE,BASE GROUP 04	364.44	SY	\$11.00	\$4,008.84
285-709	OPTIONAL BASE,BASE GROUP 09	1,345.33	SY	\$16.00	\$21,525.28
285-709	OPTIONAL BASE,BASE GROUP 09	1,434.42	SY	\$16.00	\$22,950.72
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	221.98	TN	\$92.00	\$20,422.16

334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	256.72 TN	\$92.00	\$23,618.24
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	110.99 TN	\$100.00	\$11,099.00
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	71.96 TN	\$100.00	\$7,196.00
522-1	SIDEWALK CONC, 4" THICK	364.44 SY	\$35.07	\$12,780.91
570-1-1	PERFORMANCE TURF	194.61 SY	\$0.80	\$155.69

Intersection 10

Description	Value
Mainline No. of Left Turn Lanes	0
Mainline No. of Right Turn Lanes	0
Mainline Design Speed	45
Cross Street Thru Lanes	2
Cross Street No. of Left Turn Lanes	0
Cross Street No. of Right Turn Lanes	0
Cross Street Design Speed	45
T-Intersection?	Y
Multiplier	1
Description	SR 40

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.42	AC	\$12,000.00	\$5,040.00
120-6	EMBANKMENT	2,226.52	CY	\$7.00	\$15,585.64
160-4	TYPE B STABILIZATION	2,930.03	SY	\$4.00	\$11,720.12
160-4	TYPE B STABILIZATION	899.43	SY	\$4.00	\$3,597.72
285-704	OPTIONAL BASE,BASE GROUP 04	182.22	SY	\$11.00	\$2,004.42
285-709	OPTIONAL BASE,BASE GROUP 09	2,930.03	SY	\$16.00	\$46,880.48
285-709	OPTIONAL BASE,BASE GROUP 09	717.21	SY	\$16.00	\$11,475.36
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	483.45	TN	\$92.00	\$44,477.40
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	128.36	TN	\$92.00	\$11,809.12
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	241.72	TN	\$100.00	\$24,172.00
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	35.98	TN	\$100.00	\$3,598.00
522-1	SIDEWALK CONC, 4" THICK	182.22	SY	\$35.07	\$6,390.46
570-1-1	PERFORMANCE TURF	97.31	SY	\$0.80	\$77.85
Intersections Component Total					\$1,528,213.87

SIGNING COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-20-11	SINGLE POST SIGN, F&I, LESS THAN 12 SF	94.00	AS	\$209.85	\$19,725.90
700-20-12	SINGLE POST SIGN, F&I, 12-20 SF	8.00	AS	\$466.00	\$3,728.00
700-21-11	MULTI- POST SIGN, F&I, 50 OR <	8.00	AS	\$3,017.57	\$24,140.56
700-21-12	MULTI- POST SIGN, F&I, 51-100	8.00	AS	\$5,017.69	\$40,141.52

Signing Component Total**\$87,735.98****SIGNALIZATIONS COMPONENT****Signalization 1****Description**

Type

Value

2 Lane Mast Arm

Multiplier

3

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-1-12	CONDUIT-SIGNALS, F& I, UNDERGROUND	2,400.00	LF	\$5.00	\$12,000.00
630-1-14	CONDUIT-SIGNALS,F& I, UG JACKED	600.00	LF	\$17.20	\$10,320.00
632-7-1	CABLE, SIGNAL, FURNISH & INSTALL	3.00	PI	\$3,203.75	\$9,611.25
635-1-11	PULL & JUNCTION BOXES, F&I, PULL BOX	36.00	EA	\$362.00	\$13,032.00
639-1-22	SIGNAL,ELECT POWER SERV,UG,PUR CONT	3.00	AS	\$998.75	\$2,996.25
639-2-1	SIGNAL,ELECTRICAL SERVICE WIRE	180.00	LF	\$1.81	\$325.80
649-423-102	M/ARM, F&I/HL, 1ST B3, 2ND B1, POLE Q2	9.00	EA	\$24,813.25	\$223,319.25
650-51-311	TRAFFIC SIGNAL, F&I, 3 SECT, 1 WAY, STD	18.00	AS	\$824.90	\$14,848.20
653-111	PEDESTRIAN SIGNAL, 12 IN, INCANDES,1 WAY	6.00	AS	\$400.00	\$2,400.00
659-101	SGNL HEAD AUXIL, F&I, BACK PLT 3 SECT	18.00	EA	\$132.83	\$2,390.94
659-109	SGNL HEAD AUXIL, F&I, CONC PED TYP II	3.00	EA	\$803.75	\$2,411.25
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	18.00	EA	\$171.64	\$3,089.52
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	18.00	AS	\$631.83	\$11,372.94
665-11	PED DET, F&I, DET STA POLE OR CAB MTD	6.00	EA	\$171.34	\$1,028.04
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	3.00	AS	\$19,573.73	\$58,721.19
700-48-19	SIGN PANELS, F & I, 16 - 100	9.00	EA	\$1,306.80	\$11,761.20
Signalizations Component Total					\$379,627.83

Sequence 1 Total**\$16,377,742.61**

Sequence: 2NUR - New Construction, Undivided, Rural
Description: transition from 4 lane divided to 2 lane rural

Net Length: 0.261 MI

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	70.00 / 70.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.261
Top of Structural Course For Begin Section	105.00
Top of Structural Course For End Section	105.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	4.43	AC	\$12,000.00	\$53,160.00
120-6	EMBANKMENT	14,222.81	CY	\$7.00	\$99,559.67
Earthwork Component Total					\$152,719.67

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	2
Roadway Pavement Width L/R	12.00 / 12.00
Structural Spread Rate	330
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	6,737.28	SY	\$4.00	\$26,949.12
285-709	OPTIONAL BASE,BASE GROUP 09	3,775.94	SY	\$16.00	\$60,415.04
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	606.36	TN	\$92.00	\$55,785.12
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	303.18	TN	\$110.00	\$33,349.80

Pavement Marking Subcomponent

Description	Value
Solid Stripe No. of Stripes	2
Solid Stripe No. of Applications	2
Skip Stripe No. of Stripes	1
Skip Stripe No. of Applications	2
Top Layer Thermoplastic	Y

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
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706-3	RETRO-REFLECTIVE PAVEMENT MARKERS	35.00 EA	\$3.55	\$124.25
710-11-111	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.52 NM	\$957.22	\$497.75
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	0.26 GM	\$384.48	\$99.96
711-11-111	THERMOPLASTIC, STD, WHITE, SOLID, 6"	0.52 NM	\$3,365.25	\$1,749.93
711-11-131	THERMOPLASTIC, STD, WHITE, SKIP, 6"	0.26 GM	\$1,086.95	\$282.61
Roadway Component Total				\$179,253.58

SHOULDER COMPONENT

User Input Data

Description	Value
Total Outside Shoulder Width L/R	10.00 / 10.00
Total Outside Shoulder Perf. Turf Width L/R	2.67 / 2.67
Paved Outside Shoulder Width L/R	5.00 / 5.00
Structural Spread Rate	110
Friction Course Spread Rate	165
Total Width (T) / 8" Overlap (O)	T
Rumble Strips No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	1,632.26	SY	\$11.00	\$17,954.86
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	84.22	TN	\$92.00	\$7,748.24
337-7-33	ASPH CONC FC,TRAFFIC C,FC-12.5,RUBBER	126.32	TN	\$110.00	\$13,895.20
570-1-1	PERFORMANCE TURF	817.66	SY	\$0.80	\$654.13

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-4	MOWING	0.31	AC	\$277.69	\$86.08
104-10-2	SYNTHETIC BALES	826.85	LF	\$9.33	\$7,714.51
104-11	FLOATING TURBIDITY BARRIER	65.25	LF	\$10.08	\$657.72
104-12	STAKED TURBIDITY BARRIER	65.25	LF	\$4.89	\$319.07
104-13-1	STAKED SILT FENCE, TYPE III	2,756.16	LF	\$1.08	\$2,976.65
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$3,134.86	\$3,134.86

Shoulder Component Total

\$55,141.32

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	4.70	CY	\$850.00	\$3,995.00
430-172-102	PIPE CULV OPT MATL, ROUND, 25-36", CD	48.00	LF	\$135.00	\$6,480.00

430-174-101	PIPE CULV, OPT MATL, ROUND,0-24"SD	208.00 LF	\$67.76	\$14,094.08
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	11.00 EA	\$1,163.63	\$12,799.93
570-1-1	PERFORMANCE TURF	183.74 SY	\$0.80	\$146.99
Drainage Component Total				\$37,516.00

SIGNING COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-20-11	SINGLE POST SIGN, F&I, LESS THAN 12 SF	1.00	AS	\$209.85	\$209.85
700-20-12	SINGLE POST SIGN, F&I, 12-20 SF	6.00	AS	\$466.00	\$2,796.00
700-21-11	MULTI- POST SIGN, F&I, 50 OR <	1.00	AS	\$3,017.57	\$3,017.57
Signing Component Total					\$6,023.42

Sequence 2 Total **\$430,653.99**

Sequence: 3NUR - New Construction, Undivided, Rural**Net Length:** 0.626 MI**Description:** right turn lanes and left turn lanes for crossover at Sta 275+00.00**Special** items for clear&grub,signing,drainage,shoulders and erosion control zeroed out(covered under**Conditions:** main sequence for 4 lane urban roadway.)**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	50.00 / 50.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.626
Top of Structural Course For Begin Section	105.00
Top of Structural Course For End Section	105.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
120-6	EMBANKMENT	17,056.47 CY	\$7.00	\$119,395.29
Earthwork Component Total				\$119,395.29

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	1
Roadway Pavement Width L/R	12.00 / 0.00
Structural Spread Rate	330
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	11,752.11 SY	\$4.00	\$47,008.44
285-709	OPTIONAL BASE,BASE GROUP 09	4,528.23 SY	\$16.00	\$72,451.68
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	727.16 TN	\$92.00	\$66,898.72
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	363.58 TN	\$110.00	\$39,993.80

Pavement Marking Subcomponent

Description	Value
Solid Stripe No. of Stripes	2
Solid Stripe No. of Applications	2
Skip Stripe No. of Stripes	0
Skip Stripe No. of Applications	2
Top Layer Thermoplastic	Y

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
710-11-111	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	1.25	NM	\$957.22	\$1,196.53
711-11-111	THERMOPLASTIC, STD, WHITE, SOLID, 6"	1.25	NM	\$3,365.25	\$4,206.56
Roadway Component Total					\$231,755.73
<hr/>					
Sequence 3 Total					\$351,151.02
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FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 238648-1-52-01

Letting Date: 01/2099

Description: SR 45 (US 41) FROM 111 PLACE LANE TO SR 40

District: 05

County: 36 MARION

Market Area: 06

Units: English

Contract Class: 4 Lump Sum Project: N

Design/Build: N

Project Length: 3.600 MI

Project Manager: AMS/KCE/RS&H

Version 5 Project Grand Total

\$26,103,815.78

Description: SR 45 Divided Suburban

Project Sequences Subtotal**\$17,159,547.62**

102-1 Maintenance of Traffic 10.00 % \$1,715,954.76

101-1 Mobilization 10.00 % \$1,887,550.24

Project Sequences Total**\$20,763,052.62**

Project Unknowns 25.00 % \$5,190,763.16

Non-Bid Components:

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
999-25	INITIAL CONTINGENCY AMOUNT (DO NOT BID)		LS	\$150,000.00	\$150,000.00

Project Non-Bid Subtotal**\$150,000.00****Version 5 Project Grand Total****\$26,103,815.78**

LRE

Rural

Date: 5/20/2009 12:20:43 PM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 238648-1-52-01

Letting Date: 01/2099

Description: SR 45 (US 41) FROM 111 PLACE LANE TO SR 40

District: 05 County: 36 MARION Market Area: 06 Units: English

Contract Class: 4 Lump Sum Project: N Design/Build: N Project Length: 3.600 MI

Project Manager: AMS/KCE/RS&H

Version 4 Project Grand Total

\$27,300,605.86

Description: SR 45 Rural Divided w/sidewalks

Sequence: 1 NDR - New Construction, Divided, Rural

Net Length: 3.906 MI

Description: new divided rural section for SR 45 including sidewalks

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	120.00 / 120.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	3.906
Top of Structural Course For Begin Section	105.00
Top of Structural Course For End Section	105.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Median Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	5.00 % / 5.00 %
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	113.63	AC	\$12,000.00	\$1,363,560.00
120-6	EMBANKMENT	396,295.47	CY	\$7.00	\$2,774,068.29
Earthwork Component Total					\$4,137,628.29

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	4
Roadway Pavement Width L/R	24.00 / 24.00
Structural Spread Rate	330
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	201,653.76	SY	\$4.00	\$806,615.04
285-709	OPTIONAL BASE,BASE GROUP 09	113,017.77	SY	\$16.00	\$1,808,284.32
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	18,148.84	TN	\$92.00	\$1,669,693.28
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	9,074.42	TN	\$100.00	\$907,442.00

Turnouts/Crossovers Subcomponent

Description	Value
Asphalt Adjustment	10.00
Stabilization Code	Y
Base Code	Y
Friction Course Code	Y

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	20,165.38	SY	\$4.00	\$80,661.52
285-709	OPTIONAL BASE,BASE GROUP 09	11,301.78	SY	\$16.00	\$180,828.48
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,814.88	TN	\$92.00	\$166,968.96
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	907.44	TN	\$100.00	\$90,744.00

Pavement Marking Subcomponent

Description	Value
Solid Stripe No. of Stripes	4
Solid Stripe No. of Applications	2
Skip Stripe No. of Stripes	2
Skip Stripe No. of Applications	2
Top Layer Thermoplastic	Y

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE PAVEMENT MARKERS	1,582.00	EA	\$3.55	\$5,616.10
710-11-111	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	15.62	NM	\$957.22	\$14,951.78
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	7.81	GM	\$384.48	\$3,002.79
711-11-111	THERMOPLASTIC, STD, WHITE, SOLID, 6"	15.62	NM	\$3,365.25	\$52,565.20
711-11-131	THERMOPLASTIC, STD, WHITE, SKIP, 6"	7.81	GM	\$1,086.95	\$8,489.08

Roadway Component Total

\$5,795,862.56

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	12.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	2.67 / 2.67
Paved Outside Shoulder Width L/R	5.00 / 5.00

Structural Spread Rate	110
Friction Course Spread Rate	165
Total Width (T) / 8" Overlap (O)	T
Rumble Strips No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	24,427.60	SY	\$11.00	\$268,703.60
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,260.34	TN	\$92.00	\$115,951.28
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	1,890.50	TN	\$100.00	\$189,050.00
570-1-1	PERFORMANCE TURF	12,236.72	SY	\$0.80	\$9,789.38

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
522-1	SIDEWALK CONC, 4" THICK	25,172.61	SY	\$35.07	\$882,803.43
522-2	SIDEWALK CONC, 6" THICK	1,304.14	SY	\$44.00	\$57,382.16

Erosion Control**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-4	MOWING	12.50	AC	\$277.69	\$3,471.12
104-10-2	SYNTHETIC BALES	12,374.21	LF	\$9.33	\$115,451.38
104-11	FLOATING TURBIDITY BARRIER	976.50	LF	\$10.08	\$9,843.12
104-12	STAKED TURBIDITY BARRIER	976.50	LF	\$4.89	\$4,775.08
104-13-1	STAKED SILT FENCE, TYPE III	41,247.36	LF	\$1.08	\$44,547.15
104-15	SOIL TRACKING PREVENTION DEVICE	4.00	EA	\$3,134.86	\$12,539.44

Shoulder Component Total

\$1,714,307.16

MEDIAN COMPONENT**User Input Data**

Description	Value
Total Median Width	40.00
Performance Turf Width	5.34
Total Median Shoulder Width L/R	8.00 / 8.00
Paved Median Shoulder Width L/R	0.00 / 0.00
Structural Spread Rate	110
Friction Course Spread Rate	165
Total Width (T) / 8" Overlap (O)	T
Rumble Strips No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
570-1-1	PERFORMANCE TURF	12,236.72	SY	\$0.80	\$9,789.38

Median Component Total

\$9,789.38

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	70.31 CY	\$850.00	\$59,763.50
425-1-551	INLETS, DT BOT, TYPE E, <10'	24.00 EA	\$2,840.12	\$68,162.88
430-172-101	PIPE CULV OPT MATL, ROUND, 0-24", CD	1,336.00 LF	\$74.32	\$99,291.52
430-172-102	PIPE CULV OPT MATL, ROUND, 25-36", CD	1,160.00 LF	\$135.00	\$156,600.00
430-174-101	PIPE CULV, OPT MATL, ROUND,0-24"SD	3,128.00 LF	\$67.76	\$211,953.28
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	157.00 EA	\$1,163.63	\$182,689.91
524-1-1	CONCRETE DITCH PAVT, NR, 3"	7,812.00 SY	\$40.28	\$314,667.36
570-1-1	PERFORMANCE TURF	2,749.82 SY	\$0.80	\$2,199.86

Retention Basin 1

Description	Value
Size	1.5 AC
Multiplier	10
Depth	6.00

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	15.00 AC	\$12,000.00	\$180,000.00
120-1	REGULAR EXCAVATION	145,200.00 CY	\$5.00	\$726,000.00
400-2-2	CONC CLASS II, ENDWALLS	180.00 CY	\$850.00	\$153,000.00
425-1-541	INLETS, DT BOT, TYPE D, <10'	10.00 EA	\$3,675.00	\$36,750.00
425-2-71	MANHOLES, J-7, <10'	10.00 EA	\$4,689.25	\$46,892.50
430-171-103	PIPE CULV OPT MATL, ROUND, 37-48", SS	560.00 LF	\$127.63	\$71,472.80
430-171-104	PIPE CULV OPT MATL, ROUND, 49-60", SS	2,000.00 LF	\$176.55	\$353,100.00
550-10-220	FENCING, TYPE B, 5.1-6.0, STANDARD	10,250.00 LF	\$15.35	\$157,337.50
550-60-234	FENCE GATE, TYP B, SLIDE/CANT, 18.1-20' OPEN	10.00 EA	\$2,972.63	\$29,726.30
570-1-1	PERFORMANCE TURF	72,600.00 SY	\$0.80	\$58,080.00
Drainage Component Total				\$2,907,687.41

INTERSECTIONS COMPONENT**Intersection 1**

Description	Value
Mainline No. of Left Turn Lanes	0
Mainline No. of Right Turn Lanes	0
Mainline Design Speed	45
Cross Street Thru Lanes	2
Cross Street No. of Left Turn Lanes	0
Cross Street No. of Right Turn Lanes	0
Cross Street Design Speed	45
T-Intersection?	Y
Multiplier	1

Description SW 107th Lane

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.85	AC	\$12,000.00	\$10,200.00
120-6	EMBANKMENT	1,935.63	CY	\$7.00	\$13,549.41
160-4	TYPE B STABILIZATION	1,533.33	SY	\$4.00	\$6,133.32
160-4	TYPE B STABILIZATION	1,070.16	SY	\$4.00	\$4,280.64
285-704	OPTIONAL BASE,BASE GROUP 04	134.44	SY	\$11.00	\$1,478.84
285-709	OPTIONAL BASE,BASE GROUP 09	1,533.33	SY	\$16.00	\$24,533.28
285-709	OPTIONAL BASE,BASE GROUP 09	935.72	SY	\$16.00	\$14,971.52
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	253.00	TN	\$92.00	\$23,276.00
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	161.78	TN	\$92.00	\$14,883.76
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	98.17	TN	\$100.00	\$9,817.00
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	42.81	TN	\$100.00	\$4,281.00
570-1-1	PERFORMANCE TURF	71.79	SY	\$0.80	\$57.43

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-7	CONCRETE CURB & GUTTER, TYPE E	187.50	LF	\$15.81	\$2,964.38

Intersection 2

Description	Value
Mainline No. of Left Turn Lanes	0
Mainline No. of Right Turn Lanes	0
Mainline Design Speed	45
Cross Street Thru Lanes	2
Cross Street No. of Left Turn Lanes	0
Cross Street No. of Right Turn Lanes	0
Cross Street Design Speed	45
T-Intersection?	N
Multiplier	1
Description	SW 102nd St

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.70	AC	\$12,000.00	\$20,400.00
120-6	EMBANKMENT	3,871.26	CY	\$7.00	\$27,098.82
160-4	TYPE B STABILIZATION	2,909.33	SY	\$4.00	\$11,637.32
160-4	TYPE B STABILIZATION	2,140.33	SY	\$4.00	\$8,561.32
285-704	OPTIONAL BASE,BASE GROUP 04	268.89	SY	\$11.00	\$2,957.79
285-709	OPTIONAL BASE,BASE GROUP 09	2,909.33	SY	\$16.00	\$46,549.28
285-709	OPTIONAL BASE,BASE GROUP 09	1,871.44	SY	\$16.00	\$29,943.04
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	480.04	TN	\$92.00	\$44,163.68
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	323.58	TN	\$92.00	\$29,769.36
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	211.69	TN	\$100.00	\$21,169.00

337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	85.62 TN	\$100.00	\$8,562.00
570-1-1	PERFORMANCE TURF	143.59 SY	\$0.80	\$114.87

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
520-1-7	CONCRETE CURB & GUTTER, TYPE E	187.50 LF	\$15.81	\$2,964.38

Intersection 3

Description	Value
Mainline No. of Left Turn Lanes	0
Mainline No. of Right Turn Lanes	0
Mainline Design Speed	45
Cross Street Thru Lanes	2
Cross Street No. of Left Turn Lanes	0
Cross Street No. of Right Turn Lanes	0
Cross Street Design Speed	45
T-Intersection?	Y
Multiplier	1
Description	SW 99th Place

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.85 AC	\$12,000.00	\$10,200.00
120-6	EMBANKMENT	1,935.63 CY	\$7.00	\$13,549.41
160-4	TYPE B STABILIZATION	1,960.00 SY	\$4.00	\$7,840.00
160-4	TYPE B STABILIZATION	1,070.16 SY	\$4.00	\$4,280.64
285-704	OPTIONAL BASE,BASE GROUP 04	134.44 SY	\$11.00	\$1,478.84
285-709	OPTIONAL BASE,BASE GROUP 09	1,960.00 SY	\$16.00	\$31,360.00
285-709	OPTIONAL BASE,BASE GROUP 09	935.72 SY	\$16.00	\$14,971.52
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	323.40 TN	\$92.00	\$29,752.80
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	161.78 TN	\$92.00	\$14,883.76
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	133.37 TN	\$100.00	\$13,337.00
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	42.81 TN	\$100.00	\$4,281.00
520-1-7	CONCRETE CURB & GUTTER, TYPE E	187.50 LF	\$15.81	\$2,964.38
570-1-1	PERFORMANCE TURF	71.79 SY	\$0.80	\$57.43

Intersection 4

Description	Value
Mainline No. of Left Turn Lanes	0
Mainline No. of Right Turn Lanes	0
Mainline Design Speed	45
Cross Street Thru Lanes	2
Cross Street No. of Left Turn Lanes	0
Cross Street No. of Right Turn Lanes	0
Cross Street Design Speed	45
T-Intersection?	N
Multiplier	1
Description	SW 93rd Lane

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.70	AC	\$12,000.00	\$20,400.00
120-6	EMBANKMENT	3,871.26	CY	\$7.00	\$27,098.82
160-4	TYPE B STABILIZATION	2,301.33	SY	\$4.00	\$9,205.32
160-4	TYPE B STABILIZATION	2,140.33	SY	\$4.00	\$8,561.32
285-704	OPTIONAL BASE,BASE GROUP 04	268.89	SY	\$11.00	\$2,957.79
285-709	OPTIONAL BASE,BASE GROUP 09	2,301.33	SY	\$16.00	\$36,821.28
285-709	OPTIONAL BASE,BASE GROUP 09	1,871.44	SY	\$16.00	\$29,943.04
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	379.72	TN	\$92.00	\$34,934.24
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	323.58	TN	\$92.00	\$29,769.36
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	161.53	TN	\$100.00	\$16,153.00
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	85.62	TN	\$100.00	\$8,562.00
520-1-7	CONCRETE CURB & GUTTER, TYPE E	187.50	LF	\$15.81	\$2,964.38
570-1-1	PERFORMANCE TURF	143.59	SY	\$0.80	\$114.87

Intersection 5

Description	Value
Mainline No. of Left Turn Lanes	0
Mainline No. of Right Turn Lanes	0
Mainline Design Speed	45
Cross Street Thru Lanes	2
Cross Street No. of Left Turn Lanes	0
Cross Street No. of Right Turn Lanes	0
Cross Street Design Speed	45
T-Intersection?	N
Multiplier	1
Description	SW 88th Place

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.70	AC	\$12,000.00	\$20,400.00
120-6	EMBANKMENT	3,871.26	CY	\$7.00	\$27,098.82
160-4	TYPE B STABILIZATION	2,406.67	SY	\$4.00	\$9,626.68
160-4	TYPE B STABILIZATION	2,140.33	SY	\$4.00	\$8,561.32
285-704	OPTIONAL BASE,BASE GROUP 04	268.89	SY	\$11.00	\$2,957.79
285-709	OPTIONAL BASE,BASE GROUP 09	2,406.67	SY	\$16.00	\$38,506.72
285-709	OPTIONAL BASE,BASE GROUP 09	1,871.44	SY	\$16.00	\$29,943.04
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	397.10	TN	\$92.00	\$36,533.20
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	323.58	TN	\$92.00	\$29,769.36
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	170.22	TN	\$100.00	\$17,022.00
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	85.62	TN	\$100.00	\$8,562.00
520-1-7	CONCRETE CURB & GUTTER, TYPE E	187.50	LF	\$15.81	\$2,964.38
570-1-1	PERFORMANCE TURF	143.59	SY	\$0.80	\$114.87

Intersection 6

Description	Value
Mainline No. of Left Turn Lanes	0
Mainline No. of Right Turn Lanes	0
Mainline Design Speed	45
Cross Street Thru Lanes	2
Cross Street No. of Left Turn Lanes	0
Cross Street No. of Right Turn Lanes	0
Cross Street Design Speed	45
T-Intersection?	Y
Multiplier	1
Description	SW 86th St.

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.85	AC	\$12,000.00	\$10,200.00
120-6	EMBANKMENT	1,935.63	CY	\$7.00	\$13,549.41
160-4	TYPE B STABILIZATION	1,220.00	SY	\$4.00	\$4,880.00
160-4	TYPE B STABILIZATION	1,070.16	SY	\$4.00	\$4,280.64
285-704	OPTIONAL BASE,BASE GROUP 04	134.44	SY	\$11.00	\$1,478.84
285-709	OPTIONAL BASE,BASE GROUP 09	1,220.00	SY	\$16.00	\$19,520.00
285-709	OPTIONAL BASE,BASE GROUP 09	935.72	SY	\$16.00	\$14,971.52
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	663.33	TN	\$92.00	\$61,026.36
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	161.78	TN	\$92.00	\$14,883.76
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	72.32	TN	\$100.00	\$7,232.00
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	42.81	TN	\$100.00	\$4,281.00
520-1-7	CONCRETE CURB & GUTTER, TYPE E	187.50	LF	\$15.81	\$2,964.38
570-1-1	PERFORMANCE TURF	71.79	SY	\$0.80	\$57.43

Intersection 7

Description	Value
Mainline No. of Left Turn Lanes	0
Mainline No. of Right Turn Lanes	0
Mainline Design Speed	45
Cross Street Thru Lanes	2
Cross Street No. of Left Turn Lanes	0
Cross Street No. of Right Turn Lanes	0
Cross Street Design Speed	45
T-Intersection?	Y
Multiplier	1
Description	SW 83rd Place

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.85	AC	\$12,000.00	\$10,200.00
120-6	EMBANKMENT	1,935.63	CY	\$7.00	\$13,549.41
160-4	TYPE B STABILIZATION	1,280.00	SY	\$4.00	\$5,120.00
160-4	TYPE B STABILIZATION	1,070.16	SY	\$4.00	\$4,280.64
285-704	OPTIONAL BASE,BASE GROUP 04	134.44	SY	\$11.00	\$1,478.84

285-709	OPTIONAL BASE,BASE GROUP 09	1,280.00 SY	\$16.00	\$20,480.00
285-709	OPTIONAL BASE,BASE GROUP 09	935.72 SY	\$16.00	\$14,971.52
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	211.20 TN	\$92.00	\$19,430.40
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	161.78 TN	\$92.00	\$14,883.76
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	77.27 TN	\$100.00	\$7,727.00
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	42.81 TN	\$100.00	\$4,281.00
520-1-7	CONCRETE CURB & GUTTER, TYPE E	187.50 LF	\$15.81	\$2,964.38
570-1-1	PERFORMANCE TURF	71.79 SY	\$0.80	\$57.43

Intersection 8

Description	Value
Mainline No. of Left Turn Lanes	0
Mainline No. of Right Turn Lanes	0
Mainline Design Speed	45
Cross Street Thru Lanes	4
Cross Street No. of Left Turn Lanes	0
Cross Street No. of Right Turn Lanes	0
Cross Street Design Speed	45
T-Intersection?	N
Multiplier	1
Description	Park Entrance

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.70	AC	\$12,000.00	\$20,400.00
120-6	EMBANKMENT	5,257.29	CY	\$7.00	\$36,801.03
160-4	TYPE B STABILIZATION	1,693.33	SY	\$4.00	\$6,773.32
160-4	TYPE B STABILIZATION	3,052.33	SY	\$4.00	\$12,209.32
285-704	OPTIONAL BASE,BASE GROUP 04	268.89	SY	\$11.00	\$2,957.79
285-709	OPTIONAL BASE,BASE GROUP 09	1,693.33	SY	\$16.00	\$27,093.28
285-709	OPTIONAL BASE,BASE GROUP 09	2,783.44	SY	\$16.00	\$44,535.04
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	279.40	TN	\$92.00	\$25,704.80
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	474.06	TN	\$92.00	\$43,613.52
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	111.37	TN	\$100.00	\$11,137.00
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	122.10	TN	\$100.00	\$12,210.00
520-1-7	CONCRETE CURB & GUTTER, TYPE E	187.50	LF	\$15.81	\$2,964.38
570-1-1	PERFORMANCE TURF	143.59	SY	\$0.80	\$114.87

Intersection 9

Description	Value
Mainline No. of Left Turn Lanes	0
Mainline No. of Right Turn Lanes	0
Mainline Design Speed	45
Cross Street Thru Lanes	4
Cross Street No. of Left Turn Lanes	0

Cross Street No. of Right Turn Lanes	0
Cross Street Design Speed	45
T-Intersection?	N
Multiplier	1
Description	SW 77th Loop

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.70	AC	\$12,000.00	\$20,400.00
120-6	EMBANKMENT	5,257.29	CY	\$7.00	\$36,801.03
160-4	TYPE B STABILIZATION	1,760.00	SY	\$4.00	\$7,040.00
160-4	TYPE B STABILIZATION	3,052.33	SY	\$4.00	\$12,209.32
285-704	OPTIONAL BASE,BASE GROUP 04	268.89	SY	\$11.00	\$2,957.79
285-709	OPTIONAL BASE,BASE GROUP 09	1,760.00	SY	\$16.00	\$28,160.00
285-709	OPTIONAL BASE,BASE GROUP 09	2,783.44	SY	\$16.00	\$44,535.04
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	290.40	TN	\$92.00	\$26,716.80
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	474.06	TN	\$92.00	\$43,613.52
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	116.87	TN	\$100.00	\$11,687.00
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	122.10	TN	\$100.00	\$12,210.00
520-1-7	CONCRETE CURB & GUTTER, TYPE E	187.50	LF	\$15.81	\$2,964.38
570-1-1	PERFORMANCE TURF	143.59	SY	\$0.80	\$114.87

Intersection 10

Description	Value
Mainline No. of Left Turn Lanes	0
Mainline No. of Right Turn Lanes	0
Mainline Design Speed	45
Cross Street Thru Lanes	2
Cross Street No. of Left Turn Lanes	0
Cross Street No. of Right Turn Lanes	0
Cross Street Design Speed	45
T-Intersection?	Y
Multiplier	1
Description	SR 40

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.85	AC	\$12,000.00	\$10,200.00
120-6	EMBANKMENT	1,935.63	CY	\$7.00	\$13,549.41
160-4	TYPE B STABILIZATION	3,330.67	SY	\$4.00	\$13,322.68
160-4	TYPE B STABILIZATION	1,070.16	SY	\$4.00	\$4,280.64
285-704	OPTIONAL BASE,BASE GROUP 04	134.44	SY	\$11.00	\$1,478.84
285-709	OPTIONAL BASE,BASE GROUP 09	3,330.67	SY	\$16.00	\$53,290.72
285-709	OPTIONAL BASE,BASE GROUP 09	935.72	SY	\$16.00	\$14,971.52
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	549.56	TN	\$92.00	\$50,559.52
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	161.78	TN	\$92.00	\$14,883.76
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	26.67	TN	\$100.00	\$2,667.00

337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	42.81 TN	\$100.00	\$4,281.00
520-1-7	CONCRETE CURB & GUTTER, TYPE E	246.45 LF	\$15.81	\$3,896.37
570-1-1	PERFORMANCE TURF	71.79 SY	\$0.80	\$57.43
Intersections Component Total				\$1,954,932.53

SIGNING COMPONENT**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
700-20-11	SINGLE POST SIGN, F&I, LESS THAN 12 SF	8.00 AS	\$209.85	\$1,678.80
700-20-12	SINGLE POST SIGN, F&I, 12-20 SF	94.00 AS	\$466.00	\$43,804.00
700-21-11	MULTI- POST SIGN, F&I, 50 OR <	8.00 AS	\$3,017.57	\$24,140.56
700-21-12	MULTI- POST SIGN, F&I, 51-100	24.00 AS	\$5,017.69	\$120,424.56
Signing Component Total				\$190,047.92

SIGNALIZATIONS COMPONENT**Signalization 1**

Description	Value
Type	2 Lane Mast Arm
Multiplier	1

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-1-12	CONDUIT-SIGNALS, F& I, UNDERGROUND	800.00 LF	\$5.00	\$4,000.00
630-1-14	CONDUIT-SIGNALS,F& I, UG JACKED	200.00 LF	\$17.20	\$3,440.00
632-7-1	CABLE, SIGNAL, FURNISH & INSTALL	1.00 PI	\$3,203.75	\$3,203.75
635-1-11	PULL & JUNCTION BOXES, F&I, PULL BOX	12.00 EA	\$362.00	\$4,344.00
639-1-22	SIGNAL,ELECT POWER SERV,UG,PUR CONT	1.00 AS	\$998.75	\$998.75
639-2-1	SIGNAL,ELECTRICAL SERVICE WIRE	60.00 LF	\$1.81	\$108.60
649-423-102	M/ARM, F&I/HL, 1ST B3, 2ND B1, POLE Q2	3.00 EA	\$24,813.25	\$74,439.75
650-51-311	TRAFFIC SIGNAL, F&I, 3 SECT, 1 WAY, STD	6.00 AS	\$824.90	\$4,949.40
653-111	PEDESTRIAN SIGNAL, 12 IN, INCANDES,1 WAY	2.00 AS	\$400.00	\$800.00
659-101	SGNL HEAD AUXIL, F&I, BACK PLT 3 SECT	6.00 EA	\$132.83	\$796.98
659-109	SGNL HEAD AUXIL, F&I, CONC PED TYP II	1.00 EA	\$803.75	\$803.75
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	6.00 EA	\$171.64	\$1,029.84
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	6.00 AS	\$631.83	\$3,790.98
665-11	PED DET, F&I, DET STA POLE OR	2.00 EA	\$171.34	\$342.68

	CAB MTD			
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00 AS	\$19,573.73	\$19,573.73
700-48-19	SIGN PANELS, F & I, 16 - 100	3.00 EA	\$1,306.80	\$3,920.40

Signalization 2

Description	Value
Type	2 Lane Mast Arm
Multiplier	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-1-12	CONDUIT-SIGNALS, F& I, UNDERGROUND	800.00	LF	\$5.00	\$4,000.00
630-1-14	CONDUIT-SIGNALS,F& I, UG JACKED	200.00	LF	\$17.20	\$3,440.00
632-7-1	CABLE, SIGNAL, FURNISH & INSTALL	1.00	PI	\$3,203.75	\$3,203.75
635-1-11	PULL & JUNCTION BOXES, F&I, PULL BOX	12.00	EA	\$362.00	\$4,344.00
639-1-22	SIGNAL,ELECT POWER SERV,UG,PUR CONT	1.00	AS	\$998.75	\$998.75
639-2-1	SIGNAL,ELECTRICAL SERVICE WIRE	60.00	LF	\$1.81	\$108.60
649-423-102	M/ARM, F&I/HL, 1ST B3, 2ND B1, POLE Q2	2.00	EA	\$24,813.25	\$49,626.50
650-51-311	TRAFFIC SIGNAL, F&I, 3 SECT, 1 WAY, STD	6.00	AS	\$824.90	\$4,949.40
653-111	PEDESTRIAN SIGNAL, 12 IN, INCANDES,1 WAY	2.00	AS	\$400.00	\$800.00
659-101	SGNL HEAD AUXIL, F&I, BACK PLT 3 SECT	6.00	EA	\$132.83	\$796.98
659-109	SGNL HEAD AUXIL, F&I, CONC PED TYP II	1.00	EA	\$803.75	\$803.75
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00	AS	\$19,573.73	\$19,573.73
700-48-19	SIGN PANELS, F & I, 16 - 100	2.00	EA	\$1,306.80	\$2,613.60

Signalization 3

Description	Value
Type	2 Lane Mast Arm
Multiplier	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-1-12	CONDUIT-SIGNALS, F& I, UNDERGROUND	800.00	LF	\$5.00	\$4,000.00
630-1-14	CONDUIT-SIGNALS,F& I, UG JACKED	200.00	LF	\$17.20	\$3,440.00
632-7-1	CABLE, SIGNAL, FURNISH & INSTALL	1.00	PI	\$3,203.75	\$3,203.75
635-1-11	PULL & JUNCTION BOXES, F&I, PULL BOX	12.00	EA	\$362.00	\$4,344.00
639-1-22	SIGNAL,ELECT POWER SERV,UG,PUR CONT	1.00	AS	\$998.75	\$998.75
639-2-1	SIGNAL,ELECTRICAL SERVICE	60.00	LF	\$1.81	\$108.60

	WIRE			
649-423-102	M/ARM, F&I/HL, 1ST B3, 2ND B1, POLE Q2	3.00 EA	\$24,813.25	\$74,439.75
650-51-311	TRAFFIC SIGNAL, F&I, 3 SECT, 1 WAY, STD	6.00 AS	\$824.90	\$4,949.40
653-111	PEDESTRIAN SIGNAL, 12 IN, INCANDES,1 WAY	2.00 AS	\$400.00	\$800.00
659-101	SGNL HEAD AUXIL, F&I, BACK PLT 3 SECT	6.00 EA	\$132.83	\$796.98
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	7.00 EA	\$171.64	\$1,201.48
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	7.00 AS	\$631.83	\$4,422.81
665-11	PED DET, F&I, DET STA POLE OR CAB MTD	2.00 EA	\$171.34	\$342.68
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00 AS	\$19,573.73	\$19,573.73
700-48-19	SIGN PANELS, F & I, 16 - 100	3.00 EA	\$1,306.80	\$3,920.40
	Signalizations Component Total			\$348,344.00

Sequence 1 Total **\$17,058,599.25**

Sequence: 2NUR - New Construction, Undivided, Rural
Description: transition area from 4 lane divided to 2 lane rural

Net Length: 0.261 MI

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	70.00 / 70.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.261
Top of Structural Course For Begin Section	105.00
Top of Structural Course For End Section	105.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	4.43	AC	\$12,000.00	\$53,160.00
120-6	EMBANKMENT	14,222.81	CY	\$7.00	\$99,559.67
Earthwork Component Total					\$152,719.67

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	2
Roadway Pavement Width L/R	12.00 / 12.00
Structural Spread Rate	330
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	6,737.28	SY	\$4.00	\$26,949.12
285-709	OPTIONAL BASE,BASE GROUP 09	3,775.94	SY	\$16.00	\$60,415.04
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	606.36	TN	\$92.00	\$55,785.12
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	303.18	TN	\$110.00	\$33,349.80

Pavement Marking Subcomponent

Description	Value
Solid Stripe No. of Stripes	2
Solid Stripe No. of Applications	2
Skip Stripe No. of Stripes	1
Skip Stripe No. of Applications	2
Top Layer Thermoplastic	Y

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
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706-3	RETRO-REFLECTIVE PAVEMENT MARKERS	35.00 EA	\$3.55	\$124.25
710-11-111	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.52 NM	\$957.22	\$497.75
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	0.26 GM	\$384.48	\$99.96
711-11-111	THERMOPLASTIC, STD, WHITE, SOLID, 6"	0.52 NM	\$3,365.25	\$1,749.93
711-11-131	THERMOPLASTIC, STD, WHITE, SKIP, 6"	0.26 GM	\$1,086.95	\$282.61
Roadway Component Total				\$179,253.58

SHOULDER COMPONENT

User Input Data

Description	Value
Total Outside Shoulder Width L/R	10.00 / 10.00
Total Outside Shoulder Perf. Turf Width L/R	2.67 / 2.67
Paved Outside Shoulder Width L/R	5.00 / 5.00
Structural Spread Rate	110
Friction Course Spread Rate	165
Total Width (T) / 8" Overlap (O)	T
Rumble Strips No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	1,632.26	SY	\$11.00	\$17,954.86
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	84.22	TN	\$92.00	\$7,748.24
337-7-33	ASPH CONC FC,TRAFFIC C,FC-12.5,RUBBER	126.32	TN	\$110.00	\$13,895.20
570-1-1	PERFORMANCE TURF	817.66	SY	\$0.80	\$654.13

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-4	MOWING	0.31	AC	\$277.69	\$86.08
104-10-2	SYNTHETIC BALES	826.85	LF	\$9.33	\$7,714.51
104-11	FLOATING TURBIDITY BARRIER	65.25	LF	\$10.08	\$657.72
104-12	STAKED TURBIDITY BARRIER	65.25	LF	\$4.89	\$319.07
104-13-1	STAKED SILT FENCE, TYPE III	2,756.16	LF	\$1.08	\$2,976.65
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$3,134.86	\$3,134.86

Shoulder Component Total

\$55,141.32

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	4.70	CY	\$850.00	\$3,995.00
430-172-102	PIPE CULV OPT MATL, ROUND, 25-36", CD	48.00	LF	\$135.00	\$6,480.00

430-174-101	PIPE CULV, OPT MATL, ROUND,0-24"SD	208.00 LF	\$67.76	\$14,094.08
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	11.00 EA	\$1,163.63	\$12,799.93
570-1-1	PERFORMANCE TURF	183.74 SY	\$0.80	\$146.99
Drainage Component Total				\$37,516.00

SIGNING COMPONENT**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
700-20-11	SINGLE POST SIGN, F&I, LESS THAN 12 SF	1.00 AS	\$209.85	\$209.85
700-20-12	SINGLE POST SIGN, F&I, 12-20 SF	6.00 AS	\$466.00	\$2,796.00
700-21-11	MULTI- POST SIGN, F&I, 50 OR <	1.00 AS	\$3,017.57	\$3,017.57
Signing Component Total				\$6,023.42

Sequence 2 Total **\$430,653.99**

Sequence: 3NUR - New Construction, Undivided, Rural**Net Length:** 0.598 MI**Description:** right turn lanes and It turn lanes at median opening at Sta 275+00**Special** items for clear&grub,signing,drainage,shoulders and erosion control zeroed out(covered under**Conditions:** main sequence for 4 lane urban roadway.)**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	50.00 / 50.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.598
Top of Structural Course For Begin Section	105.00
Top of Structural Course For End Section	105.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
120-6	EMBANKMENT	16,293.56 CY	\$7.00	\$114,054.92
Earthwork Component Total				\$114,054.92

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	1
Roadway Pavement Width L/R	0.00 / 12.00
Structural Spread Rate	330
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	11,226.45 SY	\$4.00	\$44,905.80
285-709	OPTIONAL BASE,BASE GROUP 09	4,325.69 SY	\$16.00	\$69,211.04
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	694.64 TN	\$92.00	\$63,906.88
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	347.32 TN	\$110.00	\$38,205.20

Pavement Marking Subcomponent

Description	Value
Solid Stripe No. of Stripes	2
Solid Stripe No. of Applications	2
Skip Stripe No. of Stripes	0
Skip Stripe No. of Applications	2
Top Layer Thermoplastic	Y

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
710-11-111	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	1.20	NM	\$957.22	\$1,148.66
711-11-111	THERMOPLASTIC, STD, WHITE, SOLID, 6"	1.20	NM	\$3,365.25	\$4,038.30
Roadway Component Total					\$221,415.88

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	10.00 / 10.00
Total Outside Shoulder Perf. Turf Width L/R	2.67 / 2.67
Paved Outside Shoulder Width L/R	5.00 / 5.00
Structural Spread Rate	110
Friction Course Spread Rate	165
Total Width (T) / 8" Overlap (O)	T
Rumble Strips No. of Sides	0

Erosion Control**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-4	MOWING	0.72	AC	\$277.69	\$199.94
104-10-2	SYNTHETIC BALES	1,894.46	LF	\$9.33	\$17,675.31
104-11	FLOATING TURBIDITY BARRIER	149.50	LF	\$10.08	\$1,506.96
104-12	STAKED TURBIDITY BARRIER	149.50	LF	\$4.89	\$731.06
104-13-1	STAKED SILT FENCE, TYPE III	6,314.88	LF	\$1.08	\$6,820.07
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$3,134.86	\$3,134.86
Shoulder Component Total					\$30,068.20

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	10.76	CY	\$850.00	\$9,146.00
430-172-102	PIPE CULV OPT MATL, ROUND, 25-36", CD	104.00	LF	\$135.00	\$14,040.00
430-174-101	PIPE CULV, OPT MATL, ROUND,0- 24"SD	480.00	LF	\$67.76	\$32,524.80
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	24.00	EA	\$1,163.63	\$27,927.12
570-1-1	PERFORMANCE TURF	420.99	SY	\$0.80	\$336.79
Drainage Component Total					\$83,974.71

SIGNING COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-20-11	SINGLE POST SIGN, F&I, LESS THAN 12 SF	2.00	AS	\$209.85	\$419.70
700-20-12	SINGLE POST SIGN, F&I, 12-20 SF	12.00	AS	\$466.00	\$5,592.00
700-21-11	MULTI- POST SIGN, F&I, 50 OR <	2.00	AS	\$3,017.57	\$6,035.14
Signing Component Total					\$12,046.84
<hr/>					
Sequence 3 Total					\$461,560.55
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FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 238648-1-52-01

Letting Date: 01/2099

Description: SR 45 (US 41) FROM 111 PLACE LANE TO SR 40

District: 05

County: 36 MARION

Market Area: 06

Units: English

Contract Class: 4 Lump Sum Project: N

Design/Build: N

Project Length: 3.600 MI

Project Manager: AMS/KCE/RS&H

Version 4 Project Grand Total**\$27,300,605.86**

Description: SR 45 Rural Divided w/sidewalks

Project Sequences Subtotal**\$17,950,813.79**

102-1 Maintenance of Traffic 10.00 % \$1,795,081.38

101-1 Mobilization 10.00 % \$1,974,589.52

Project Sequences Total**\$21,720,484.69**

Project Unknowns 25.00 % \$5,430,121.17

Non-Bid Components:

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
999-25	INITIAL CONTINGENCY AMOUNT (DO NOT BID)		LS	\$150,000.00	\$150,000.00

Project Non-Bid Subtotal

\$150,000.00

Version 4 Project Grand Total**\$27,300,605.86**

LRE

PREFERRED ALTERNATIVE

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FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 238648-1-52-01

Letting Date: 01/2099

Description: SR 45 (US 41) FROM 111 PLACE LANE TO SR 40

District: 05 County: 36 MARION Market Area: 06 Units: English

Contract Class: 4 Lump Sum Project: N Design/Build: N Project Length: 3.600 MI

Project Manager: AMS/KCE/RS&H

Version 5 Project Grand Total**\$29,716,801.50**

Description: SR 45 Divided Urban/Suburban. Update 09/01/09. Added seq. for urban section at beginning of project. Revised lengths of suburban section, lt & rt turn lanes and traffic separator. Added Excavation & Embankment quantities based on Geopak output.

Sequence: 1 NDU - New Construction, Divided, Urban**Net Length:** 0.186 MI**Description:** Urban roadway section at the beginning of project

Special Conditions: Geopak excavation and embankment quantities added to this seq. for full project

EARTHWORK COMPONENT**User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	85.00 / 85.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.394
Top of Structural Course For Begin Section	0.00
Top of Structural Course For End Section	0.00
Horizontal Elevation For Begin Section	0.00
Horizontal Elevation For End Section	0.00
Front Slope L/R	0 to 1 / 0 to 1
Median Shoulder Cross Slope L/R	0.00 % / 0.00 %
Outside Shoulder Cross Slope L/R	0.00 % / 0.00 %
Roadway Cross Slope L/R	0.00 % / 0.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	3.83	AC	\$12,000.00	\$45,960.00
120-1	REGULAR EXCAVATION	4,111.33	CY	\$5.00	\$20,556.65

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
120-1	REGULAR EXCAVATION	146,742.00	CY	\$5.00	\$733,710.00
120-6	EMBANKMENT	114,682.00	CY	\$7.00	\$802,774.00

Earthwork Component Total \$1,603,000.65

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	4
Roadway Pavement Width L/R	28.00 / 28.00
Structural Spread Rate	330
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	7,236.84	SY	\$4.00	\$28,947.36
285-709	OPTIONAL BASE,BASE GROUP 09	6,110.72	SY	\$16.00	\$97,771.52
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,008.27	TN	\$92.00	\$92,760.84
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	504.13	TN	\$110.00	\$55,454.30

Turnouts/Crossovers Subcomponent

Description	Value
Asphalt Adjustment	5.00
Stabilization Code	Y
Base Code	Y
Friction Course Code	Y

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	361.84	SY	\$4.00	\$1,447.36
285-709	OPTIONAL BASE,BASE GROUP 09	305.54	SY	\$16.00	\$4,888.64
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	50.41	TN	\$92.00	\$4,637.72
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	25.21	TN	\$110.00	\$2,773.10

Pavement Marking Subcomponent

Description	Value
Solid Stripe No. of Stripes	4
Solid Stripe No. of Applications	2
Skip Stripe No. of Stripes	2
Skip Stripe No. of Applications	2
Top Layer Thermoplastic	N

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE PAVEMENT MARKERS	75.00	EA	\$4.05	\$303.75
710-11-111	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	1.49	NM	\$957.22	\$1,426.26
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	0.74	GM	\$384.48	\$284.52

Roadway Component Total

\$290,695.37

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	12.25 / 7.25
Total Outside Shoulder Perf. Turf Width L/R	5.00 / 5.00
Sidewalk Width L/R	5.00 / 0.00

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	982.08 LF	\$20.64	\$20,270.13
520-1-10	CONCRETE CURB & GUTTER, TYPE F	982.08 LF	\$20.64	\$20,270.13
522-1	SIDEWALK CONC, 4" THICK	545.60 SY	\$35.07	\$19,134.19
570-1-1	PERFORMANCE TURF	1,091.20 SY	\$0.80	\$872.96

Erosion Control**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-4	MOWING	0.35 AC	\$371.91	\$130.17
104-11	FLOATING TURBIDITY BARRIER	46.50 LF	\$10.08	\$468.72
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	46.50 LF	\$4.89	\$227.38
104-13-1	STAKED SILT FENCE, TYPE III	1,964.16 LF	\$1.08	\$2,121.29
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$3,134.86	\$3,134.86
104-16	ROCK BAG	197.00 EA	\$5.49	\$1,081.53
Shoulder Component Total				\$67,711.37

MEDIAN COMPONENT**User Input Data**

Description	Value
Total Median Width	22.00
Performance Turf Width	17.50

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
520-1-7	CONCRETE CURB & GUTTER, TYPE E	1,964.16 LF	\$16.48	\$32,369.36
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	480.00 LF	\$26.65	\$12,792.00
570-1-1	PERFORMANCE TURF	1,909.60 SY	\$0.80	\$1,527.68
Median Component Total				\$46,689.04

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	3.35 CY	\$850.00	\$2,847.50
425-1-351	INLETS, CURB, TYPE P-5, <10'	7.00 EA	\$3,808.57	\$26,659.99
425-1-451	INLETS, CURB, TYPE J-5, <10'	2.00 EA	\$4,707.21	\$9,414.42
425-1-521	INLETS, DT BOT, TYPE C, <10'	1.00 EA	\$2,962.50	\$2,962.50
425-2-41	MANHOLES, P-7, <10'	1.00 EA	\$3,073.71	\$3,073.71

430-171-101	PIPE CULV OPT MATL, ROUND, 0-24", SS	496.00 LF	\$54.78	\$27,170.88
430-171-103	PIPE CULV OPT MATL, ROUND, 37-48", SS	936.00 LF	\$137.23	\$128,447.28
430-172-102	PIPE CULV OPT MATL, ROUND, 25-36", CD	48.00 LF	\$135.00	\$6,480.00
570-1-1	PERFORMANCE TURF	56.54 SY	\$0.80	\$45.23
Drainage Component Total				\$207,101.51

SIGNING COMPONENT**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
700-20-11	SINGLE POST SIGN, F&I, LESS THAN 12 SF	5.00 AS	\$229.67	\$1,148.35
700-20-12	SINGLE POST SIGN, F&I, 12-20 SF	1.00 AS	\$500.32	\$500.32
700-21-11	MULTI- POST SIGN, F&I, 50 OR <	1.00 AS	\$3,072.02	\$3,072.02
700-21-12	MULTI- POST SIGN, F&I, 51-100	1.00 AS	\$4,858.76	\$4,858.76
Signing Component Total				\$9,579.45

Sequence 1 Total **\$2,224,777.39**

Sequence: 2NDS - New, Divided, Suburban (Urban In/Rural Out)**Net Length:** 3.718 MI**Description:** New 4 lane divided suburban roadway**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	100.00 / 100.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	3.906
Top of Structural Course For Begin Section	0.00
Top of Structural Course For End Section	0.00
Horizontal Elevation For Begin Section	0.00
Horizontal Elevation For End Section	0.00
Front Slope L/R	0 to 1 / 0 to 1
Median Shoulder Cross Slope L/R	0.00 % / 0.00 %
Outside Shoulder Cross Slope L/R	0.00 % / 0.00 %
Roadway Cross Slope L/R	0.00 % / 0.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	90.13	AC	\$12,000.00	\$1,081,560.00
120-1	REGULAR EXCAVATION	160,727.21	CY	\$5.00	\$803,636.05
Earthwork Component Total					\$1,885,196.05

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	4
Roadway Pavement Width L/R	28.00 / 28.00
Structural Spread Rate	330
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	168,303.45	SY	\$4.00	\$673,213.80
285-709	OPTIONAL BASE,BASE GROUP 09	125,027.91	SY	\$16.00	\$2,000,446.56
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	20,154.53	TN	\$92.00	\$1,854,216.76
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	10,077.27	TN	\$100.00	\$1,007,727.00

Turnouts/Crossovers Subcomponent

Description	Value
Asphalt Adjustment	10.00
Stabilization Code	Y
Base Code	Y
Friction Course Code	Y

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
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160-4	TYPE B STABILIZATION	16,830.34 SY	\$4.00	\$67,321.36
285-709	OPTIONAL BASE,BASE GROUP 09	12,502.79 SY	\$16.00	\$200,044.64
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	2,015.45 TN	\$92.00	\$185,421.40
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	1,007.73 TN	\$100.00	\$100,773.00

Pavement Marking Subcomponent

Description	Value
Solid Stripe No. of Stripes	4
Solid Stripe No. of Applications	2
Skip Stripe No. of Stripes	2
Skip Stripe No. of Applications	2
Top Layer Thermoplastic	N

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE PAVEMENT MARKERS	1,506.00 EA	\$4.05	\$6,099.30
710-11-111	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	29.74 NM	\$957.22	\$28,467.72
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	14.87 GM	\$384.48	\$5,717.22

Roadway Component Total

\$6,129,448.76

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	8.00 / 8.00
Total Outside Shoulder Perf. Turf Width L/R	3.00 / 3.00
Paved Outside Shoulder Width L/R	5.00 / 5.00
Structural Spread Rate	110
Friction Course Spread Rate	165
Total Width (T) / 8" Overlap (O)	T
Rumble Strips No. of Sides	0

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	23,251.88 SY	\$11.00	\$255,770.68
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,199.67 TN	\$92.00	\$110,369.64
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	1,799.51 TN	\$100.00	\$179,951.00
570-1-1	PERFORMANCE TURF	13,087.36 SY	\$0.80	\$10,469.89

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
522-1	SIDEWALK CONC, 4" THICK	26,951.00 SY	\$35.07	\$945,171.57

Erosion Control**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
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104-4	MOWING	7.06 AC	\$371.91	\$2,625.68
104-10-2	SYNTHETIC BALES	11,778.62 LF	\$9.33	\$109,894.52
104-11	FLOATING TURBIDITY BARRIER	929.50 LF	\$10.08	\$9,369.36
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	929.50 LF	\$4.89	\$4,545.26
104-13-1	STAKED SILT FENCE, TYPE III	39,262.08 LF	\$1.08	\$42,403.05
104-15	SOIL TRACKING PREVENTION DEVICE	4.00 EA	\$3,134.86	\$12,539.44
Shoulder Component Total				\$1,683,110.09

MEDIAN COMPONENT

User Input Data

Description	Value
Total Median Width	22.00
Performance Turf Width	17.50

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
520-1-7	CONCRETE CURB & GUTTER, TYPE E	39,262.08 LF	\$16.48	\$647,039.08
520-5-46	TRAF SEP CONC-TYPE IV,8.5' WIDE	11,350.00 LF	\$51.73	\$587,135.50
570-1-1	PERFORMANCE TURF	38,171.47 SY	\$0.80	\$30,537.18
Median Component Total				\$1,264,711.76

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	66.92 CY	\$850.00	\$56,882.00
425-1-551	INLETS, DT BOT, TYPE E, <10'	30.00 EA	\$2,840.12	\$85,203.60
430-171-101	PIPE CULV OPT MATL, ROUND, 0- 24", SS	1,552.00 LF	\$54.78	\$85,018.56
430-172-102	PIPE CULV OPT MATL, ROUND, 25-36", CD	880.00 LF	\$135.00	\$118,800.00
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	30.00 EA	\$1,266.17	\$37,985.10
570-1-1	PERFORMANCE TURF	1,427.71 SY	\$0.80	\$1,142.17
Drainage Component Total				\$385,031.43

INTERSECTIONS COMPONENT

Intersection 1

Description	Value
Mainline No. of Left Turn Lanes	0
Mainline No. of Right Turn Lanes	0
Mainline Design Speed	55
Cross Street Thru Lanes	2

Cross Street No. of Left Turn Lanes	0
Cross Street No. of Right Turn Lanes	0
Cross Street Design Speed	45
T-Intersection?	Y
Multiplier	1
Description	SW 107th Lane

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.42	AC	\$12,000.00	\$5,040.00
120-6	EMBANKMENT	2,226.52	CY	\$7.00	\$15,585.64
160-4	TYPE B STABILIZATION	366.67	SY	\$4.00	\$1,466.68
160-4	TYPE B STABILIZATION	899.43	SY	\$4.00	\$3,597.72
285-704	OPTIONAL BASE,BASE GROUP 04	182.22	SY	\$11.00	\$2,004.42
285-709	OPTIONAL BASE,BASE GROUP 09	366.67	SY	\$16.00	\$5,866.72
285-709	OPTIONAL BASE,BASE GROUP 09	717.21	SY	\$16.00	\$11,475.36
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	60.50	TN	\$92.00	\$5,566.00
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	128.36	TN	\$92.00	\$11,809.12
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	30.25	TN	\$100.00	\$3,025.00
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	35.98	TN	\$100.00	\$3,598.00
522-1	SIDEWALK CONC, 4" THICK	182.22	SY	\$35.07	\$6,390.46
570-1-1	PERFORMANCE TURF	97.31	SY	\$0.80	\$77.85

Intersection 2

Description	Value
Mainline No. of Left Turn Lanes	0
Mainline No. of Right Turn Lanes	0
Mainline Design Speed	55
Cross Street Thru Lanes	2
Cross Street No. of Left Turn Lanes	0
Cross Street No. of Right Turn Lanes	0
Cross Street Design Speed	45
T-Intersection?	N
Multiplier	1
Description	SW 102nd St

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.85	AC	\$12,000.00	\$10,200.00
120-6	EMBANKMENT	4,453.05	CY	\$7.00	\$31,171.35
160-4	TYPE B STABILIZATION	366.67	SY	\$4.00	\$1,466.68
160-4	TYPE B STABILIZATION	1,798.86	SY	\$4.00	\$7,195.44
285-704	OPTIONAL BASE,BASE GROUP 04	364.44	SY	\$11.00	\$4,008.84
285-709	OPTIONAL BASE,BASE GROUP 09	366.67	SY	\$16.00	\$5,866.72
285-709	OPTIONAL BASE,BASE GROUP 09	1,434.42	SY	\$16.00	\$22,950.72
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	60.50	TN	\$92.00	\$5,566.00
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	256.72	TN	\$92.00	\$23,618.24
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	30.25	TN	\$100.00	\$3,025.00

337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	71.96 TN	\$100.00	\$7,196.00
522-1	SIDEWALK CONC, 4" THICK	364.44 SY	\$35.07	\$12,780.91
570-1-1	PERFORMANCE TURF	194.61 SY	\$0.80	\$155.69

Intersection 3

Description	Value
Mainline No. of Left Turn Lanes	0
Mainline No. of Right Turn Lanes	0
Mainline Design Speed	55
Cross Street Thru Lanes	2
Cross Street No. of Left Turn Lanes	0
Cross Street No. of Right Turn Lanes	0
Cross Street Design Speed	45
T-Intersection?	Y
Multiplier	1
Description	SW 99th Place

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.42	AC	\$12,000.00	\$5,040.00
120-6	EMBANKMENT	2,226.52	CY	\$7.00	\$15,585.64
160-4	TYPE B STABILIZATION	366.67	SY	\$4.00	\$1,466.68
160-4	TYPE B STABILIZATION	899.43	SY	\$4.00	\$3,597.72
285-704	OPTIONAL BASE,BASE GROUP 04	182.22	SY	\$11.00	\$2,004.42
285-709	OPTIONAL BASE,BASE GROUP 09	366.67	SY	\$16.00	\$5,866.72
285-709	OPTIONAL BASE,BASE GROUP 09	717.21	SY	\$16.00	\$11,475.36
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	60.50	TN	\$92.00	\$5,566.00
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	128.36	TN	\$92.00	\$11,809.12
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	30.25	TN	\$100.00	\$3,025.00
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	35.98	TN	\$100.00	\$3,598.00
522-1	SIDEWALK CONC, 4" THICK	182.22	SY	\$35.07	\$6,390.46
570-1-1	PERFORMANCE TURF	97.31	SY	\$0.80	\$77.85

Intersection 4

Description	Value
Mainline No. of Left Turn Lanes	0
Mainline No. of Right Turn Lanes	0
Mainline Design Speed	55
Cross Street Thru Lanes	2
Cross Street No. of Left Turn Lanes	0
Cross Street No. of Right Turn Lanes	0
Cross Street Design Speed	45
T-Intersection?	N
Multiplier	1
Description	SW 93rd Lane

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.85	AC	\$12,000.00	\$10,200.00
120-6	EMBANKMENT	4,453.05	CY	\$7.00	\$31,171.35

160-4	TYPE B STABILIZATION	366.67 SY	\$4.00	\$1,466.68
160-4	TYPE B STABILIZATION	1,798.86 SY	\$4.00	\$7,195.44
285-704	OPTIONAL BASE,BASE GROUP 04	364.44 SY	\$11.00	\$4,008.84
285-709	OPTIONAL BASE,BASE GROUP 09	366.67 SY	\$16.00	\$5,866.72
285-709	OPTIONAL BASE,BASE GROUP 09	1,434.42 SY	\$16.00	\$22,950.72
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	60.50 TN	\$92.00	\$5,566.00
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	256.72 TN	\$92.00	\$23,618.24
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	30.25 TN	\$100.00	\$3,025.00
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	71.96 TN	\$100.00	\$7,196.00
522-1	SIDEWALK CONC, 4" THICK	364.44 SY	\$35.07	\$12,780.91
570-1-1	PERFORMANCE TURF	194.61 SY	\$0.80	\$155.69

Intersection 5

Description	Value
Mainline No. of Left Turn Lanes	0
Mainline No. of Right Turn Lanes	0
Mainline Design Speed	55
Cross Street Thru Lanes	2
Cross Street No. of Left Turn Lanes	0
Cross Street No. of Right Turn Lanes	0
Cross Street Design Speed	45
T-Intersection?	N
Multiplier	1
Description	SW 88th Place

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.85	AC	\$12,000.00	\$10,200.00
120-6	EMBANKMENT	4,453.05	CY	\$7.00	\$31,171.35
160-4	TYPE B STABILIZATION	366.67	SY	\$4.00	\$1,466.68
160-4	TYPE B STABILIZATION	1,798.86	SY	\$4.00	\$7,195.44
285-704	OPTIONAL BASE,BASE GROUP 04	364.44	SY	\$11.00	\$4,008.84
285-709	OPTIONAL BASE,BASE GROUP 09	366.67	SY	\$16.00	\$5,866.72
285-709	OPTIONAL BASE,BASE GROUP 09	1,434.42	SY	\$16.00	\$22,950.72
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	60.50	TN	\$92.00	\$5,566.00
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	256.72	TN	\$92.00	\$23,618.24
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	30.25	TN	\$100.00	\$3,025.00
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	71.96	TN	\$100.00	\$7,196.00
522-1	SIDEWALK CONC, 4" THICK	364.44	SY	\$35.07	\$12,780.91
570-1-1	PERFORMANCE TURF	194.61	SY	\$0.80	\$155.69

Intersection 6

Description	Value
Mainline No. of Left Turn Lanes	0
Mainline No. of Right Turn Lanes	0
Mainline Design Speed	55
Cross Street Thru Lanes	2

Cross Street No. of Left Turn Lanes	0
Cross Street No. of Right Turn Lanes	0
Cross Street Design Speed	45
T-Intersection?	Y
Multiplier	1
Description	SW 86th St

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.42	AC	\$12,000.00	\$5,040.00
120-6	EMBANKMENT	2,226.52	CY	\$7.00	\$15,585.64
160-4	TYPE B STABILIZATION	366.67	SY	\$4.00	\$1,466.68
160-4	TYPE B STABILIZATION	899.43	SY	\$4.00	\$3,597.72
285-704	OPTIONAL BASE,BASE GROUP 04	182.22	SY	\$11.00	\$2,004.42
285-709	OPTIONAL BASE,BASE GROUP 09	366.67	SY	\$16.00	\$5,866.72
285-709	OPTIONAL BASE,BASE GROUP 09	717.21	SY	\$16.00	\$11,475.36
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	60.50	TN	\$92.00	\$5,566.00
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	128.36	TN	\$92.00	\$11,809.12
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	30.25	TN	\$100.00	\$3,025.00
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	35.98	TN	\$100.00	\$3,598.00
522-1	SIDEWALK CONC, 4" THICK	182.22	SY	\$35.07	\$6,390.46
570-1-1	PERFORMANCE TURF	97.31	SY	\$0.80	\$77.85

Intersection 7

Description	Value
Mainline No. of Left Turn Lanes	0
Mainline No. of Right Turn Lanes	0
Mainline Design Speed	55
Cross Street Thru Lanes	2
Cross Street No. of Left Turn Lanes	0
Cross Street No. of Right Turn Lanes	0
Cross Street Design Speed	45
T-Intersection?	Y
Multiplier	1
Description	SW 83rd Place

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.42	AC	\$12,000.00	\$5,040.00
120-6	EMBANKMENT	2,226.52	CY	\$7.00	\$15,585.64
160-4	TYPE B STABILIZATION	366.67	SY	\$4.00	\$1,466.68
160-4	TYPE B STABILIZATION	899.43	SY	\$4.00	\$3,597.72
285-704	OPTIONAL BASE,BASE GROUP 04	182.22	SY	\$11.00	\$2,004.42
285-709	OPTIONAL BASE,BASE GROUP 09	366.67	SY	\$16.00	\$5,866.72
285-709	OPTIONAL BASE,BASE GROUP 09	717.21	SY	\$16.00	\$11,475.36
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	60.50	TN	\$92.00	\$5,566.00
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	128.36	TN	\$92.00	\$11,809.12
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	30.25	TN	\$100.00	\$3,025.00

337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	35.98 TN	\$100.00	\$3,598.00
522-1	SIDEWALK CONC, 4" THICK	182.22 SY	\$35.07	\$6,390.46
570-1-1	PERFORMANCE TURF	97.31 SY	\$0.80	\$77.85

Intersection 8

Description	Value
Mainline No. of Left Turn Lanes	0
Mainline No. of Right Turn Lanes	0
Mainline Design Speed	55
Cross Street Thru Lanes	4
Cross Street No. of Left Turn Lanes	0
Cross Street No. of Right Turn Lanes	0
Cross Street Design Speed	45
T-Intersection?	Y
Multiplier	1
Description	Park Entrance

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.42	AC	\$12,000.00	\$5,040.00
120-6	EMBANKMENT	2,980.80	CY	\$7.00	\$20,865.60
160-4	TYPE B STABILIZATION	366.67	SY	\$4.00	\$1,466.68
160-4	TYPE B STABILIZATION	1,403.43	SY	\$4.00	\$5,613.72
285-704	OPTIONAL BASE,BASE GROUP 04	182.22	SY	\$11.00	\$2,004.42
285-709	OPTIONAL BASE,BASE GROUP 09	366.67	SY	\$16.00	\$5,866.72
285-709	OPTIONAL BASE,BASE GROUP 09	1,221.21	SY	\$16.00	\$19,539.36
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	60.50	TN	\$92.00	\$5,566.00
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	211.52	TN	\$92.00	\$19,459.84
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	30.25	TN	\$100.00	\$3,025.00
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	56.14	TN	\$100.00	\$5,614.00
522-1	SIDEWALK CONC, 4" THICK	182.22	SY	\$35.07	\$6,390.46
570-1-1	PERFORMANCE TURF	97.31	SY	\$0.80	\$77.85

Intersection 9

Description	Value
Mainline No. of Left Turn Lanes	0
Mainline No. of Right Turn Lanes	0
Mainline Design Speed	55
Cross Street Thru Lanes	2
Cross Street No. of Left Turn Lanes	0
Cross Street No. of Right Turn Lanes	0
Cross Street Design Speed	45
T-Intersection?	N
Multiplier	1
Description	SW 77th Loop

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.85	AC	\$12,000.00	\$10,200.00
120-6	EMBANKMENT	4,453.05	CY	\$7.00	\$31,171.35

160-4	TYPE B STABILIZATION	366.67 SY	\$4.00	\$1,466.68
160-4	TYPE B STABILIZATION	1,798.86 SY	\$4.00	\$7,195.44
285-704	OPTIONAL BASE,BASE GROUP 04	364.44 SY	\$11.00	\$4,008.84
285-709	OPTIONAL BASE,BASE GROUP 09	366.67 SY	\$16.00	\$5,866.72
285-709	OPTIONAL BASE,BASE GROUP 09	1,434.42 SY	\$16.00	\$22,950.72
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	60.50 TN	\$92.00	\$5,566.00
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	256.72 TN	\$92.00	\$23,618.24
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	30.25 TN	\$100.00	\$3,025.00
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	71.96 TN	\$100.00	\$7,196.00
522-1	SIDEWALK CONC, 4" THICK	364.44 SY	\$35.07	\$12,780.91
570-1-1	PERFORMANCE TURF	194.61 SY	\$0.80	\$155.69

Intersection 10

Description	Value
Mainline No. of Left Turn Lanes	0
Mainline No. of Right Turn Lanes	0
Mainline Design Speed	55
Cross Street Thru Lanes	2
Cross Street No. of Left Turn Lanes	0
Cross Street No. of Right Turn Lanes	0
Cross Street Design Speed	45
T-Intersection?	Y
Multiplier	1
Description	SR 40

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.42	AC	\$12,000.00	\$5,040.00
120-6	EMBANKMENT	2,226.52	CY	\$7.00	\$15,585.64
160-4	TYPE B STABILIZATION	366.67	SY	\$4.00	\$1,466.68
160-4	TYPE B STABILIZATION	899.43	SY	\$4.00	\$3,597.72
285-704	OPTIONAL BASE,BASE GROUP 04	182.22	SY	\$11.00	\$2,004.42
285-709	OPTIONAL BASE,BASE GROUP 09	366.67	SY	\$16.00	\$5,866.72
285-709	OPTIONAL BASE,BASE GROUP 09	717.21	SY	\$16.00	\$11,475.36
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	60.50	TN	\$92.00	\$5,566.00
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	128.36	TN	\$92.00	\$11,809.12
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	30.25	TN	\$100.00	\$3,025.00
337-7-5	ASPH CONC FC, INC BIT/RUBBER, FC-5	35.98	TN	\$100.00	\$3,598.00
522-1	SIDEWALK CONC, 4" THICK	182.22	SY	\$35.07	\$6,390.46
570-1-1	PERFORMANCE TURF	97.31	SY	\$0.80	\$77.85
Intersections Component Total					\$1,018,850.86

SIGNING COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-20-11	SINGLE POST SIGN, F&I, LESS THAN 12 SF	90.00	AS	\$229.67	\$20,670.30
700-20-12	SINGLE POST SIGN, F&I, 12-20 SF	8.00	AS	\$500.32	\$4,002.56
700-21-11	MULTI- POST SIGN, F&I, 50 OR <	8.00	AS	\$3,072.02	\$24,576.16
700-21-12	MULTI- POST SIGN, F&I, 51-100	8.00	AS	\$4,858.76	\$38,870.08
Signing Component Total					\$88,119.10

SIGNALIZATIONS COMPONENT

Signalization 1

Description	Value
Type	2 Lane Mast Arm
Multiplier	3

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-1-12	CONDUIT-SIGNALS, F& I, UNDERGROUND	2,400.00	LF	\$5.00	\$12,000.00
630-1-14	CONDUIT-SIGNALS,F& I, UG JACKED	600.00	LF	\$17.20	\$10,320.00
632-7-1	CABLE, SIGNAL, FURNISH & INSTALL	3.00	PI	\$3,203.75	\$9,611.25
635-1-11	PULL & JUNCTION BOXES, F&I, PULL BOX	36.00	EA	\$362.00	\$13,032.00
639-1-22	SIGNAL,ELECT POWER SERV,UG,PUR CONT	3.00	AS	\$998.75	\$2,996.25
639-2-1	SIGNAL,ELECTRICAL SERVICE WIRE	180.00	LF	\$1.81	\$325.80
649-423-102	M/ARM, F&I/HL, 1ST B3, 2ND B1, POLE Q2	9.00	EA	\$24,813.25	\$223,319.25
650-51-311	TRAFFIC SIGNAL, F&I, 3 SECT, 1 WAY, STD	18.00	AS	\$824.90	\$14,848.20
653-111	PEDESTRIAN SIGNAL, 12 IN, INCANDES,1 WAY	6.00	AS	\$400.00	\$2,400.00
659-101	SGNL HEAD AUXIL, F&I, BACK PLT 3 SECT	18.00	EA	\$132.83	\$2,390.94
659-109	SGNL HEAD AUXIL, F&I, CONC PED TYP II	3.00	EA	\$803.75	\$2,411.25
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	18.00	EA	\$171.64	\$3,089.52
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	18.00	AS	\$631.83	\$11,372.94
665-11	PED DET, F&I, DET STA POLE OR CAB MTD	6.00	EA	\$171.34	\$1,028.04
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	3.00	AS	\$19,573.73	\$58,721.19
700-48-19	SIGN PANELS, F & I, 16 - 100	9.00	EA	\$1,306.80	\$11,761.20
Signalizations Component Total					\$379,627.83

RETAINING WALLS COMPONENT

Retaining Wall 1

Description	Value
Length	300.00
Begin height	7.50
End Height	7.50
Multiplier	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RETAINING WALL SYSTEM,PERM, EXC BAR.	2,250.00	SF	\$30.70	\$69,075.00

Retaining Wall 2

Description	Value
Length	500.00
Begin height	7.00
End Height	7.00
Multiplier	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RETAINING WALL SYSTEM,PERM, EXC BAR.	3,500.00	SF	\$30.70	\$107,450.00

Retaining Walls Component Total \$176,525.00

Sequence 2 Total \$13,010,620.88

Sequence: 3NUR - New Construction, Undivided, Rural
Description: transition from 4 lane divided to 2 lane rural

Net Length: 0.233 MI

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	70.00 / 70.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.261
Top of Structural Course For Begin Section	0.00
Top of Structural Course For End Section	0.00
Horizontal Elevation For Begin Section	0.00
Horizontal Elevation For End Section	0.00
Front Slope L/R	0 to 1 / 0 to 1
Outside Shoulder Cross Slope L/R	0.00 % / 0.00 %
Roadway Cross Slope L/R	0.00 % / 0.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	3.95	AC	\$12,000.00	\$47,400.00
120-1	REGULAR EXCAVATION	9,254.57	CY	\$5.00	\$46,272.85
Earthwork Component Total					\$93,672.85

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	2
Roadway Pavement Width L/R	12.00 / 12.00
Structural Spread Rate	330
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	6,014.51	SY	\$4.00	\$24,058.04
285-709	OPTIONAL BASE,BASE GROUP 09	3,370.86	SY	\$16.00	\$53,933.76
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	541.31	TN	\$92.00	\$49,800.52
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	270.65	TN	\$110.00	\$29,771.50

Pavement Marking Subcomponent

Description	Value
Solid Stripe No. of Stripes	2
Solid Stripe No. of Applications	2
Skip Stripe No. of Stripes	1
Skip Stripe No. of Applications	2
Top Layer Thermoplastic	Y

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
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706-3	RETRO-REFLECTIVE PAVEMENT MARKERS	31.00 EA	\$4.05	\$125.55
710-11-111	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.47 NM	\$957.22	\$449.89
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	0.23 GM	\$384.48	\$88.43
711-11-111	THERMOPLASTIC, STD, WHITE, SOLID, 6"	0.47 NM	\$4,672.08	\$2,195.88
711-11-131	THERMOPLASTIC, STD, WHITE, SKIP, 6"	0.23 GM	\$1,086.95	\$250.00
Roadway Component Total				\$160,673.57

SHOULDER COMPONENT

User Input Data

Description	Value
Total Outside Shoulder Width L/R	10.00 / 10.00
Total Outside Shoulder Perf. Turf Width L/R	2.67 / 2.67
Paved Outside Shoulder Width L/R	5.00 / 5.00
Structural Spread Rate	110
Friction Course Spread Rate	165
Total Width (T) / 8" Overlap (O)	T
Rumble Strips No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	1,457.15	SY	\$11.00	\$16,028.65
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	75.18	TN	\$92.00	\$6,916.56
337-7-33	ASPH CONC FC,TRAFFIC C,FC-12.5,RUBBER	112.77	TN	\$110.00	\$12,404.70
570-1-1	PERFORMANCE TURF	729.94	SY	\$0.80	\$583.95

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-4	MOWING	0.28	AC	\$371.91	\$104.13
104-10-2	SYNTHETIC BALES	738.14	LF	\$9.33	\$6,886.85
104-11	FLOATING TURBIDITY BARRIER	58.25	LF	\$10.08	\$587.16
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	58.25	LF	\$4.89	\$284.84
104-13-1	STAKED SILT FENCE, TYPE III	2,460.48	LF	\$1.08	\$2,657.32
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$3,134.86	\$3,134.86

Shoulder Component Total **\$49,589.02**

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	4.19	CY	\$850.00	\$3,561.50
430-172-102	PIPE CULV OPT MATL, ROUND,	40.00	LF	\$135.00	\$5,400.00

430-174-101	25-36", CD PIPE CULV, OPT MATL, ROUND,0- 24"SD	192.00 LF	\$48.29	\$9,271.68
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	10.00 EA	\$1,266.17	\$12,661.70
570-1-1	PERFORMANCE TURF	164.03 SY	\$0.80	\$131.22
Drainage Component Total				\$31,026.10

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
700-20-11	SINGLE POST SIGN, F&I, LESS THAN 12 SF	1.00 AS	\$229.67	\$229.67
700-20-12	SINGLE POST SIGN, F&I, 12-20 SF	5.00 AS	\$500.32	\$2,501.60
700-21-11	MULTI- POST SIGN, F&I, 50 OR <	1.00 AS	\$3,072.02	\$3,072.02
Signing Component Total				\$5,803.29

Sequence 3 Total **\$340,764.83**

Sequence: 4 NUR - New Construction, Undivided, Rural**Net Length:** 2.714 MI**Description:** right turn lanes and left turn lanes**Special** items for clear&grub,signing,drainage,shoulders and erosion control zeroed out(covered under**Conditions:** sequences 1 & 2 for 4 lane roadway.)**ROADWAY COMPONENT****User Input Data**

Description	Value
Number of Lanes	1
Roadway Pavement Width L/R	12.00 / 0.00
Structural Spread Rate	330
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	50,950.83 SY	\$4.00	\$203,803.32
285-709	OPTIONAL BASE,BASE GROUP 09	19,631.99 SY	\$16.00	\$314,111.84
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	3,152.58 TN	\$92.00	\$290,037.36
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	1,576.29 TN	\$110.00	\$173,391.90

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
520-5-41	TRAF SEP CONC-TYPE IV, 4' WIDE	10,800.00 LF	\$29.90	\$322,920.00

Pavement Marking Subcomponent

Description	Value
Solid Stripe No. of Stripes	2
Solid Stripe No. of Applications	2
Skip Stripe No. of Stripes	0
Skip Stripe No. of Applications	2
Top Layer Thermoplastic	N

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
710-11-111	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	10.86 NM	\$957.22	\$10,395.41

Roadway Component Total

\$1,314,659.83

Sequence 4 Total

\$1,314,659.83

Sequence: 5 MIS - Miscellaneous Construction
Description: Sequence for retention basins

Net Length: 0.001 MI

DRAINAGE COMPONENT

Retention Basin 1

Description	Value
Size	2.5 AC
Multiplier	1
Depth	6.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	2.50	AC	\$12,000.00	\$30,000.00
120-1	REGULAR EXCAVATION	24,200.00	CY	\$5.00	\$121,000.00
400-2-2	CONC CLASS II, ENDWALLS	18.00	CY	\$850.00	\$15,300.00
425-1-361	INLETS, CURB, TYPE P-6, <10'	1.00	EA	\$3,800.00	\$3,800.00
425-2-71	MANHOLES, J-7, <10'	1.00	EA	\$5,309.70	\$5,309.70
430-171-103	PIPE CULV OPT MATL, ROUND, 37-48", SS	56.00	LF	\$137.23	\$7,684.88
430-171-104	PIPE CULV OPT MATL, ROUND, 49-60", SS	200.00	LF	\$195.73	\$39,146.00
550-10-220	FENCING, TYPE B, 5.1-6.0, STANDARD	1,335.00	LF	\$10.14	\$13,536.90
550-60-234	FENCE GATE, TYP B, SLIDE/CANT, 18.1-20' OPEN	1.00	EA	\$2,100.80	\$2,100.80
570-1-1	PERFORMANCE TURF	12,100.00	SY	\$0.80	\$9,680.00

Retention Basin 2

Description	Value
Size	2 AC
Multiplier	1
Depth	6.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	2.00	AC	\$12,000.00	\$24,000.00
120-1	REGULAR EXCAVATION	19,360.00	CY	\$5.00	\$96,800.00
400-2-2	CONC CLASS II, ENDWALLS	18.00	CY	\$850.00	\$15,300.00
425-1-541	INLETS, DT BOT, TYPE D, <10'	1.00	EA	\$3,675.00	\$3,675.00
425-2-71	MANHOLES, J-7, <10'	1.00	EA	\$5,309.70	\$5,309.70
430-171-103	PIPE CULV OPT MATL, ROUND, 37-48", SS	56.00	LF	\$137.23	\$7,684.88
430-171-104	PIPE CULV OPT MATL, ROUND, 49-60", SS	200.00	LF	\$195.73	\$39,146.00
550-10-220	FENCING, TYPE B, 5.1-6.0, STANDARD	1,180.00	LF	\$10.14	\$11,965.20
550-60-234	FENCE GATE, TYP B, SLIDE/CANT, 18.1-20' OPEN	1.00	EA	\$2,100.80	\$2,100.80
570-1-1	PERFORMANCE TURF	9,680.00	SY	\$0.80	\$7,744.00

Retention Basin 3

Description	Value
Size	1.5 AC
Multiplier	1

Depth 6.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.50	AC	\$12,000.00	\$18,000.00
120-1	REGULAR EXCAVATION	14,520.00	CY	\$5.00	\$72,600.00
400-2-2	CONC CLASS II, ENDWALLS	18.00	CY	\$850.00	\$15,300.00
425-1-541	INLETS, DT BOT, TYPE D, <10'	1.00	EA	\$3,675.00	\$3,675.00
425-2-71	MANHOLES, J-7, <10'	1.00	EA	\$5,309.70	\$5,309.70
430-171-103	PIPE CULV OPT MATL, ROUND, 37-48", SS	56.00	LF	\$137.23	\$7,684.88
430-171-104	PIPE CULV OPT MATL, ROUND, 49-60", SS	200.00	LF	\$195.73	\$39,146.00
550-10-220	FENCING, TYPE B, 5.1-6.0, STANDARD	1,025.00	LF	\$10.14	\$10,393.50
550-60-234	FENCE GATE,TYP B,SLIDE/CANT,18.1-20'OPEN	1.00	EA	\$2,100.80	\$2,100.80
570-1-1	PERFORMANCE TURF	7,260.00	SY	\$0.80	\$5,808.00

Retention Basin 4

Description	Value
Size	.5 AC
Multiplier	1
Depth	6.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.50	AC	\$12,000.00	\$6,000.00
120-1	REGULAR EXCAVATION	4,840.00	CY	\$5.00	\$24,200.00
400-2-2	CONC CLASS II, ENDWALLS	18.00	CY	\$850.00	\$15,300.00
425-1-541	INLETS, DT BOT, TYPE D, <10'	1.00	EA	\$3,675.00	\$3,675.00
425-2-71	MANHOLES, J-7, <10'	1.00	EA	\$5,309.70	\$5,309.70
430-171-103	PIPE CULV OPT MATL, ROUND, 37-48", SS	56.00	LF	\$137.23	\$7,684.88
430-171-104	PIPE CULV OPT MATL, ROUND, 49-60", SS	200.00	LF	\$195.73	\$39,146.00
550-10-220	FENCING, TYPE B, 5.1-6.0, STANDARD	600.00	LF	\$10.14	\$6,084.00
550-60-234	FENCE GATE,TYP B,SLIDE/CANT,18.1-20'OPEN	1.00	EA	\$2,100.80	\$2,100.80
570-1-1	PERFORMANCE TURF	2,420.00	SY	\$0.80	\$1,936.00

Retention Basin 5

Description	Value
Size	1 AC
Multiplier	1
Depth	6.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.00	AC	\$12,000.00	\$12,000.00
120-1	REGULAR EXCAVATION	9,680.00	CY	\$5.00	\$48,400.00
400-2-2	CONC CLASS II, ENDWALLS	18.00	CY	\$850.00	\$15,300.00
425-1-541	INLETS, DT BOT, TYPE D, <10'	1.00	EA	\$3,675.00	\$3,675.00

425-2-71	MANHOLES, J-7, <10'	1.00 EA	\$5,309.70	\$5,309.70
430-171-103	PIPE CULV OPT MATL, ROUND, 37-48", SS	56.00 LF	\$137.23	\$7,684.88
430-171-104	PIPE CULV OPT MATL, ROUND, 49-60", SS	200.00 LF	\$195.73	\$39,146.00
550-10-220	FENCING, TYPE B, 5.1-6.0, STANDARD	840.00 LF	\$10.14	\$8,517.60
550-60-234	FENCE GATE,TYP B,SLIDE/CANT,18.1-20'OPEN	1.00 EA	\$2,100.80	\$2,100.80
570-1-1	PERFORMANCE TURF	4,840.00 SY	\$0.80	\$3,872.00

Retention Basin 6

Description	Value
Size	5 AC
Multiplier	1
Depth	6.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	5.00	AC	\$12,000.00	\$60,000.00
120-1	REGULAR EXCAVATION	48,400.00	CY	\$5.00	\$242,000.00
400-2-2	CONC CLASS II, ENDWALLS	30.00	CY	\$850.00	\$25,500.00
425-1-541	INLETS, DT BOT, TYPE D, <10'	1.00	EA	\$3,675.00	\$3,675.00
425-2-71	MANHOLES, J-7, <10'	2.00	EA	\$5,309.70	\$10,619.40
430-171-103	PIPE CULV OPT MATL, ROUND, 37-48", SS	56.00	LF	\$137.23	\$7,684.88
430-171-104	PIPE CULV OPT MATL, ROUND, 49-60", SS	400.00	LF	\$195.73	\$78,292.00
550-10-220	FENCING, TYPE B, 5.1-6.0, STANDARD	1,860.00	LF	\$10.14	\$18,860.40
550-60-234	FENCE GATE,TYP B,SLIDE/CANT,18.1-20'OPEN	2.00	EA	\$2,100.80	\$4,201.60
570-1-1	PERFORMANCE TURF	24,200.00	SY	\$0.80	\$19,360.00

Retention Basin 7

Description	Value
Size	10 AC
Multiplier	1
Depth	6.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	10.00	AC	\$12,000.00	\$120,000.00
120-1	REGULAR EXCAVATION	96,800.00	CY	\$5.00	\$484,000.00
400-2-2	CONC CLASS II, ENDWALLS	36.00	CY	\$850.00	\$30,600.00
425-1-541	INLETS, DT BOT, TYPE D, <10'	2.00	EA	\$3,675.00	\$7,350.00
425-2-71	MANHOLES, J-7, <10'	2.00	EA	\$5,309.70	\$10,619.40
430-171-103	PIPE CULV OPT MATL, ROUND, 37-48", SS	104.00	LF	\$137.23	\$14,271.92
430-171-104	PIPE CULV OPT MATL, ROUND, 49-60", SS	400.00	LF	\$195.73	\$78,292.00
550-10-220	FENCING, TYPE B, 5.1-6.0, STANDARD	2,780.00	LF	\$10.14	\$28,189.20
550-60-234	FENCE GATE,TYP B,SLIDE/CANT,18.1-20'OPEN	3.00	EA	\$2,100.80	\$6,302.40

570-1-1	PERFORMANCE TURF	48,400.00 SY	\$0.80	\$38,720.00
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Retention Basin 8

Description	Value
Size	5 AC
Multiplier	1
Depth	6.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	5.00	AC	\$12,000.00	\$60,000.00
120-1	REGULAR EXCAVATION	48,400.00	CY	\$5.00	\$242,000.00
400-2-2	CONC CLASS II, ENDWALLS	30.00	CY	\$850.00	\$25,500.00
425-1-541	INLETS, DT BOT, TYPE D, <10'	1.00	EA	\$3,675.00	\$3,675.00
425-2-71	MANHOLES, J-7, <10'	2.00	EA	\$5,309.70	\$10,619.40
430-171-103	PIPE CULV OPT MATL, ROUND, 37-48", SS	56.00	LF	\$137.23	\$7,684.88
430-171-104	PIPE CULV OPT MATL, ROUND, 49-60", SS	400.00	LF	\$195.73	\$78,292.00
550-10-220	FENCING, TYPE B, 5.1-6.0, STANDARD	1,860.00	LF	\$10.14	\$18,860.40
550-60-234	FENCE GATE, TYP B, SLIDE/CANT, 18.1-20' OPEN	2.00	EA	\$2,100.80	\$4,201.60
570-1-1	PERFORMANCE TURF	24,200.00	SY	\$0.80	\$19,360.00
Drainage Component Total					\$2,657,475.58

Sequence 5 Total	\$2,657,475.58
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Date: 11/17/2009 1:08:12 PM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 238648-1-52-01

Letting Date: 01/2099

Description: SR 45 (US 41) FROM 111 PLACE LANE TO SR 40

District: 05

County: 36 MARION

Market Area: 06

Units: English

Contract Class: 4 Lump Sum Project: N

Design/Build: N

Project Length: 3.600 MI

Project Manager: AMS/KCE/RS&H

Version 5 Project Grand Total**\$29,716,801.50**

Description: SR 45 Divided Urban/Surburban. Update 09/01/09. Added seq. for urban section at beginning of project. Revised lengths of surburban section, lt & rt turn lanes and traffic separator. Added Excavation & Embankment quantities based on Geopak output.

Project Sequences Subtotal		\$19,548,298.51
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102-1	Maintenance of Traffic	10.00 %	\$1,954,829.85
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101-1	Mobilization	10.00 %	\$2,150,312.84
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Project Sequences Total		\$23,653,441.20
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Project Unknowns	25.00 %	\$5,913,360.30
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Design/Build	0.00 %	\$0.00
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Non-Bid Components:

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
999-25	INITIAL CONTINGENCY AMOUNT (DO NOT BID)		LS	\$150,000.00	\$150,000.00

Project Non-Bid Subtotal		\$150,000.00
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Version 5 Project Grand Total		\$29,716,801.50
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