

An aerial photograph of a city grid. A vertical yellow highlight is on the left side, and a yellow arrow points from it towards the right. The text 'APPENDIX E' is centered in the upper half, and 'LONG RANGE ESTIMATES' is centered in the lower half.

APPENDIX E

LONG RANGE ESTIMATES

Interchange LRE

From West of I-95 to John Rodes Boulevard

Date: 10/2/2012 2:00:29 PM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 426905-1-52-01

Letting Date: 01/2099

Description: I-95 @ ELLIS ROAD ST JOHNS HERITAGE PARKWAY INTERCHANGE STUDY

District: 05

County: 70 BREVARD

Market Area: 08

Units: English

Contract Class: 4 Lump Sum Project: N

Design/Build: N

Project Length: 2.083 MI

Project Manager: MIM

Version 4 Project Grand Total

\$21,806,484.50

Description: I-95 @ ELLIS ROAD ST JOHNS HERITAGE PARKWAY INTERCHANGE STUDY

Sequence: 1 NDU - New Construction, Divided, Urban

Net Length: 0.568 MI

3,000 LF

Description: West of I-95 to John Rodes Blvd

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	105.00 / 105.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.568
Top of Structural Course For Begin Section	112.00
Top of Structural Course For End Section	112.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	4 to 1 / 4 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	14.46	AC	\$6,000.00	\$86,760.00
120-6	EMBANKMENT	207,167.02	CY	\$5.60	\$1,160,135.31

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
120-1	REGULAR EXCAVATION	19,287.00	CY	\$3.00	\$57,861.00
	Comment: Canal Relocation				

Earthwork Component Total \$1,304,756.31

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	4

Roadway Pavement Width L/R	34.50 / 34.50
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	26,440.85	SY	\$2.98	\$78,793.73
285-709	OPTIONAL BASE,BASE GROUP 09	23,000.74	SY	\$13.51	\$310,740.00
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	3,795.12	TN	\$81.29	\$308,505.30
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	1,897.56	TN	\$99.10	\$188,048.20

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE PAVEMENT MARKERS	230.00	EA	\$3.41	\$784.30
710-11-111	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	4.55	NM	\$827.57	\$3,765.44
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	2.27	GM	\$343.98	\$780.83
Roadway Component Total					\$891,417.80

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	3,000.10	LF	\$13.92	\$41,761.39
520-1-10	CONCRETE CURB & GUTTER, TYPE F	3,000.10	LF	\$13.92	\$41,761.39
522-1	SIDEWALK CONC, 4" THICK	3,333.44	SY	\$26.05	\$86,836.11
570-1-1	PERFORMANCE TURF	3,333.44	SY	\$0.35	\$1,166.70

Erosion Control**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	6,000.19	LF	\$1.05	\$6,300.20

104-11	FLOATING TURBIDITY BARRIER	142.05 LF	\$10.27	\$1,458.85
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	142.05 LF	\$5.22	\$741.50
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$1,915.96	\$1,915.96
104-18	INLET PROTECTION SYSTEM	29.00 EA	\$66.20	\$1,919.80
107-1	LITTER REMOVAL	1.08 AC	\$29.18	\$31.51
107-2	MOWING	1.08 AC	\$45.09	\$48.70
Shoulder Component Total				\$183,942.11

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	6,000.19	LF	\$11.53	\$69,182.19
570-1-1	PERFORMANCE TURF	5,833.52	SY	\$0.35	\$2,041.73
Median Component Total					\$71,223.92

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	10.23	CY	\$500.00	\$5,115.00
425-1-351	INLETS, CURB, TYPE P-5, <10'	21.00	EA	\$3,227.04	\$67,767.84
425-1-451	INLETS, CURB, TYPE J-5, <10'	6.00	EA	\$4,603.94	\$27,623.64
425-1-521	INLETS, DT BOT, TYPE C, <10'	3.00	EA	\$2,019.18	\$6,057.54
425-2-41	MANHOLES, P-7, <10'	3.00	EA	\$2,577.42	\$7,732.26
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	1,503.46	LF	\$50.62	\$76,105.15
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	134.10	LF	\$81.89	\$10,981.45
430-175-148	PIPE CULV, OPT MATL, ROUND, 48"S/CD	2,841.00	LF	\$122.04	\$346,715.64
570-1-1	PERFORMANCE TURF	172.73	SY	\$0.35	\$60.46

Retention Basin 1

Description	Value
Size	2 AC
Multiplier	1
Depth	6.00
Description	Pond 1A

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	2.00	AC	\$6,000.00	\$12,000.00

120-1	REGULAR EXCAVATION	19,360.00 CY	\$3.00	\$58,080.00
400-2-2	CONC CLASS II, ENDWALLS	18.00 CY	\$500.00	\$9,000.00
425-1-541	INLETS, DT BOT, TYPE D, <10'	1.00 EA	\$3,072.49	\$3,072.49
425-2-71	MANHOLES, J-7, <10'	1.00 EA	\$4,914.14	\$4,914.14
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	56.00 LF	\$106.62	\$5,970.72
430-175-160	PIPE CULV, OPT MATL, ROUND, 60"S/CD	200.00 LF	\$209.52	\$41,904.00
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	1,180.00 LF	\$9.04	\$10,667.20
550-60-234	FENCE GATE, TYP B, SLIDE/CANT, 18.1-20' OPEN	1.00 EA	\$2,079.62	\$2,079.62
570-1-1	PERFORMANCE TURF	9,680.00 SY	\$0.35	\$3,388.00

Retention Basin 2

Description	Value
Size	15 AC
Multiplier	1
Depth	6.00
Description	Regional Pond Alt B

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	15.00	AC	\$6,000.00	\$90,000.00
120-1	REGULAR EXCAVATION	145,200.00	CY	\$3.00	\$435,600.00
400-2-2	CONC CLASS II, ENDWALLS	48.00	CY	\$500.00	\$24,000.00
425-1-541	INLETS, DT BOT, TYPE D, <10'	2.00	EA	\$3,072.49	\$6,144.98
425-2-71	MANHOLES, J-7, <10'	3.00	EA	\$4,914.14	\$14,742.42
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	104.00	LF	\$106.62	\$11,088.48
430-175-160	PIPE CULV, OPT MATL, ROUND, 60"S/CD	600.00	LF	\$209.52	\$125,712.00
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	3,600.00	LF	\$9.04	\$32,544.00
550-60-234	FENCE GATE, TYP B, SLIDE/CANT, 18.1-20' OPEN	4.00	EA	\$2,079.62	\$8,318.48
570-1-1	PERFORMANCE TURF	72,600.00	SY	\$0.35	\$25,410.00
Drainage Component Total					\$1,472,795.51

INTERSECTIONS COMPONENT**Intersection 1**

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	1
Cross Street No. of Right Turn Lanes	1
Cross Street Design Speed	35
T-Intersection?	N
Multiplier	1
Description	West ramps intersection

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	2.36	AC	\$6,000.00	\$14,160.00
120-1	REGULAR EXCAVATION	1,256.59	CY	\$3.00	\$3,769.77
160-4	TYPE B STABILIZATION	935.89	SY	\$2.98	\$2,788.95
160-4	TYPE B STABILIZATION	3,034.03	SY	\$2.98	\$9,041.41
285-709	OPTIONAL BASE,BASE GROUP 09	935.89	SY	\$13.51	\$12,643.87
285-709	OPTIONAL BASE,BASE GROUP 09	3,034.03	SY	\$13.51	\$40,989.75
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	154.42	TN	\$81.29	\$12,552.80
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	500.61	TN	\$81.29	\$40,694.59
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	250.31	TN	\$99.10	\$24,805.72
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	77.21	TN	\$99.10	\$7,651.51
520-1-7	CONCRETE CURB & GUTTER, TYPE E	202.84	LF	\$11.53	\$2,338.75
520-1-10	CONCRETE CURB & GUTTER, TYPE F	946.00	LF	\$13.92	\$13,168.32
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	390.00	LF	\$24.64	\$9,609.60
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	195.00	LF	\$24.64	\$4,804.80
522-1	SIDEWALK CONC, 4" THICK	525.56	SY	\$26.05	\$13,690.84
522-2	SIDEWALK CONC, 6" THICK	173.89	SY	\$36.77	\$6,393.94
570-1-1	PERFORMANCE TURF	525.56	SY	\$0.35	\$183.95

Intersection 2

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	1
Cross Street No. of Right Turn Lanes	1
Cross Street Design Speed	35
T-Intersection?	N
Multiplier	1
Description	East ramps intersection

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	2.36	AC	\$6,000.00	\$14,160.00
120-1	REGULAR EXCAVATION	1,256.59	CY	\$3.00	\$3,769.77
160-4	TYPE B STABILIZATION	935.89	SY	\$2.98	\$2,788.95
160-4	TYPE B STABILIZATION	3,034.03	SY	\$2.98	\$9,041.41
285-709	OPTIONAL BASE,BASE GROUP 09	935.89	SY	\$13.51	\$12,643.87
285-709	OPTIONAL BASE,BASE GROUP 09	3,034.03	SY	\$13.51	\$40,989.75
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	154.42	TN	\$81.29	\$12,552.80
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	500.61	TN	\$81.29	\$40,694.59
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	77.21	TN	\$99.10	\$7,651.51
337-7-33	ASPH CONC FC,TRAFFIC C,FC-	250.31	TN	\$99.10	\$24,805.72

	12.5,RUBBER			
520-1-7	CONCRETE CURB & GUTTER, TYPE E	202.84 LF	\$11.53	\$2,338.75
520-1-10	CONCRETE CURB & GUTTER, TYPE F	946.00 LF	\$13.92	\$13,168.32
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	390.00 LF	\$24.64	\$9,609.60
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	195.00 LF	\$24.64	\$4,804.80
522-1	SIDEWALK CONC, 4" THICK	525.56 SY	\$26.05	\$13,690.84
522-2	SIDEWALK CONC, 6" THICK	173.89 SY	\$36.77	\$6,393.94
570-1-1	PERFORMANCE TURF	525.56 SY	\$0.35	\$183.95
Intersections Component Total				\$438,577.14

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	14.00 AS	\$256.36	\$3,589.04
700-20-12	SINGLE POST SIGN, F&I, 12-20 SF	2.00 AS	\$763.07	\$1,526.14
700-21-11	MULTI- POST SIGN, F&I, 50 OR <	2.00 AS	\$3,424.72	\$6,849.44
700-21-12	MULTI- POST SIGN, F&I, 51-100	2.00 AS	\$4,189.86	\$8,379.72
Signing Component Total				\$20,344.34

SIGNALIZATIONS COMPONENT

Signalization 1

Description	Value
Type	4 Lane Mast Arm
Multiplier	1
Description	West ramp intersection

Pay Items				
Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-1-12	CONDUIT-SIGNALS, F& I, UNDERGROUND	750.00 LF	\$3.74	\$2,805.00
630-1-14	CONDUIT-SIGNALS,F& I, UG JACKED	250.00 LF	\$11.34	\$2,835.00
632-7-1	CABLE, SIGNAL, FURNISH & INSTALL	1.00 PI	\$3,054.12	\$3,054.12
635-1-11	PULL & JUNCTION BOXES, F&I, PULL BOX	16.00 EA	\$312.95	\$5,007.20
639-1-22	SIGNAL,ELECT POWER SERV,UG,PUR CONT	1.00 AS	\$1,115.88	\$1,115.88
639-2-1	SIGNAL,ELECTRICAL SERVICE WIRE	60.00 LF	\$1.63	\$97.80
649-31-103	M/ARM,F&I, WS-150,SINGLE ARM,W/O LUM-60	4.00 EA	\$23,951.96	\$95,807.84
650-51-311	TRAFFIC SIGNAL, F&I, 3 SECT, 1 WAY, STD	12.00 AS	\$737.45	\$8,849.40
653-191	PEDESTRIAN SIGNAL, F&I, LED- COUNT DWN, 1	8.00 AS	\$540.70	\$4,325.60
659-101	SGNL HEAD AUXIL, F&I, BACK PLT	12.00 EA	\$106.25	\$1,275.00

659-109	3 SECT SGNL HEAD AUXIL, F&I, CONC PED TYP II	1.00 EA	\$692.07	\$692.07
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	12.00 EA	\$178.24	\$2,138.88
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	12.00 AS	\$623.51	\$7,482.12
665-11	PED DET, F&I, DET STA POLE OR CAB MTD	8.00 EA	\$134.58	\$1,076.64
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00 AS	\$22,149.23	\$22,149.23
700-48-19	SIGN PANELS, F & I, 16 - 100	4.00 EA	\$915.06	\$3,660.24

Signalization 2

Description	Value
Type	4 Lane Mast Arm
Multiplier	1
Description	East ramps intersection

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-1-12	CONDUIT-SIGNALS, F& I, UNDERGROUND	750.00	LF	\$3.74	\$2,805.00
630-1-14	CONDUIT-SIGNALS,F& I, UG JACKED	250.00	LF	\$11.34	\$2,835.00
632-7-1	CABLE, SIGNAL, FURNISH & INSTALL	1.00	PI	\$3,054.12	\$3,054.12
635-1-11	PULL & JUNCTION BOXES, F&I, PULL BOX	16.00	EA	\$312.95	\$5,007.20
639-1-22	SIGNAL,ELECT POWER SERV,UG,PUR CONT	1.00	AS	\$1,115.88	\$1,115.88
639-2-1	SIGNAL,ELECTRICAL SERVICE WIRE	60.00	LF	\$1.63	\$97.80
649-31-103	M/ARM,F&I, WS-150,SINGLE ARM,W/O LUM-60	4.00	EA	\$23,951.96	\$95,807.84
650-51-311	TRAFFIC SIGNAL, F&I, 3 SECT, 1 WAY, STD	12.00	AS	\$737.45	\$8,849.40
653-191	PEDESTRIAN SIGNAL, F&I, LED- COUNT DWN, 1	8.00	AS	\$540.70	\$4,325.60
659-101	SGNL HEAD AUXIL, F&I, BACK PLT 3 SECT	12.00	EA	\$106.25	\$1,275.00
659-109	SGNL HEAD AUXIL, F&I, CONC PED TYP II	1.00	EA	\$692.07	\$692.07
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	12.00	EA	\$178.24	\$2,138.88
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	12.00	AS	\$623.51	\$7,482.12
665-11	PED DET, F&I, DET STA POLE OR CAB MTD	8.00	EA	\$134.58	\$1,076.64
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00	AS	\$22,149.23	\$22,149.23
700-48-19	SIGN PANELS, F & I, 16 - 100	4.00	EA	\$915.06	\$3,660.24
Signalizations Component Total					\$324,744.04

LIGHTING COMPONENT**Conventional Lighting Subcomponent**

Description		Value			
Spacing		MIN			
Pay Items					
Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	10,957.17	LF	\$1.86	\$20,380.34
715-2-11	LIGHTING-CONDUIT, F&I, UNDERGROUND	3,000.10	LF	\$2.80	\$8,400.28
715-2-12	LIGHTING-CONDUIT, F&I, UNDER EXIST PVMT	595.47	LF	\$9.05	\$5,389.00
715-14-11	LIGHTING - PULL BOX,F&I,ROADSIDE-MOULDED	20.00	EA	\$373.55	\$7,471.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	20.00	EA	\$332.95	\$6,659.00
715-511-140	LIGHT POLE COMP,F&I,SGL ARM SM, AL,40'	20.00	EA	\$8,002.20	\$160,044.00
Subcomponent Total					\$208,343.62
Lighting Component Total					\$208,343.62

BRIDGES COMPONENT

Bridge 1

Description	Value
Estimate Type	Detailed Estimate
Primary Estimate	YES
Structure No.	111111
Geographic District	05
Segment Count	1
Bridge Length (LF)	205.50
Average Bridge Width (LF)	127.08
Average Skew Angle	3.00
Construction Type	New/Replacement
Typical Section	Urban Divided, Flush SW
Sidewalk Width Left	8.00
Sidewalk Width Right	8.00
Concrete Traffic Railing	Left/Right
Pedestrian/Bicycle Railing	Left/Right
Total Design Load Demand Weight	13,906
Final Bridge Cost	\$2,242,346.03
Calculated Final Cost per SF	\$85.86
Description	BRIDGE OVER I-95

Bridge Deck and Approach Slab Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-10	CONC CLASS II, APPROACH SLABS	286.85	CY	\$333.52	\$95,670.21
400-9	BRIDGE DECK GROOV & PLANING, DECK 8.5">	2,352.92	SY	\$5.35	\$12,588.12
415-1-9	REINF STEEL- APPROACH SLABS	54,719.39	LB	\$0.82	\$44,869.90
515-2-301	PED/BICYCLE RAILING, ALUM,42"PICKET RAIL	531.00	LF	\$44.49	\$23,624.19
521-5-4	CONC TRAF RAIL, BRG, 32" VERT FACE	265.50	LF	\$74.46	\$19,769.13

BRIDGE SEGMENTS

Segment 1

Segment Position	First/Last
Segment Over	Land
Segment Length (LF)	205.5
Segment Width (LF)	127.08
Average Clearance (LF)	20
End Bent Fill Height (LF)	18
Average Pile Length (LF)	100
No. of Intermediate Supports	1
Superstructure / Beam Type	I-Beam
Substructure / Pier Type	Multi Columns
Foundation Type	Pre-stressed Sq. Piles 18"
Design Load Demand Weight	13,906
Total Segment Cost	\$2,026,055.35

Segment 1 Superstructure, Substructure and Foundation Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-4	CONC CLASS II, SUPERSTRUCTURE	827.07	CY	\$554.97	\$458,999.04
400-4-5	CONC CLASS IV, SUBSTRUCTURE	92.04	CY	\$667.34	\$61,421.97
400-4-5	CONC CLASS IV, SUBSTRUCTURE	314.79	CY	\$667.34	\$210,071.96
400-147	COMPOSITE NEOPRENE PADS	16.94	CF	\$858.19	\$14,537.74
415-1-4	REINF STEEL- SUPERSTRUCTURE	190,226.10	LB	\$0.79	\$150,278.62
415-1-5	REINF STEEL- SUBSTRUCTURE	12,425.40	LB	\$0.78	\$9,691.81
415-1-5	REINF STEEL- SUBSTRUCTURE	67,679.85	LB	\$0.78	\$52,790.28
450-2-45	PREST BEAMS: FLORIDA-I BEAM 45"	2,466.00	LF	\$212.72	\$524,567.52
455-34-3	PRESTRESSED CONCRETE PILING, 18" SQ	7,621.20	LF	\$57.55	\$438,600.06
455-143-3	TEST PILES-PREST CONCRETE,18" SQ	846.80	LF	\$124.11	\$105,096.35
Bridge 1 Total					\$2,242,346.03
Bridges Component Total					\$2,242,346.03
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Sequence 1 Total					\$7,158,490.82
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Sequence: 3NUR - New Construction, Undivided, Rural**Net Length:** 0.501 MI
2,644 LF**Description:** Ramp A - One lane portion of off-ramp**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	0.472
Top of Structural Course For Begin Section	111.00
Top of Structural Course For End Section	111.00
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	8.50 AC	\$6,000.00	\$51,000.00
120-6	EMBANKMENT	86,084.74 CY	\$5.60	\$482,074.54
Earthwork Component Total				\$533,074.54

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	1
Roadway Pavement Width L/R	7.50 / 7.50
Structural Spread Rate	275
Friction Course Spread Rate	80

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	7,932.67 SY	\$2.98	\$23,639.36
285-709	OPTIONAL BASE,BASE GROUP 09	4,600.95 SY	\$13.51	\$62,158.83
334-1-23	SUPERPAVE ASPH CONC, TRAF C, PG76-22	605.97 TN	\$86.59	\$52,470.94
337-7-22	ASPH CONC FC,INC BIT,FC-5,PG76-22	176.28 TN	\$113.37	\$19,984.86

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	1
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	1

Skip Stripe No. of Stripes 0

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
710-11-111	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	1.00 NM	\$827.57	\$827.57

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	10.33 TN	\$133.66	\$1,380.71
536-1-1	GUARDRAIL- ROADWAY	300.00 LF	\$15.63	\$4,689.00
536-85-22	GUARDRAIL END ANCHORAGE ASSEMBLY- FLARED	1.00 EA	\$1,614.22	\$1,614.22

Roadway Component Total

\$166,765.48

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	6.00 / 6.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Paved Outside Shoulder Width L/R	2.00 / 4.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	0
Rumble Strips No. of Sides	0

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	1,956.73 SY	\$8.54	\$16,710.47
334-1-23	SUPERPAVE ASPH CONC, TRAF C, PG76-22	145.43 TN	\$86.59	\$12,592.78
337-7-22	ASPH CONC FC,INC BIT,FC- 5,PG76-22	15.51 TN	\$113.37	\$1,758.37
570-1-1	PERFORMANCE TURF	1,762.82 SY	\$0.35	\$616.99

Erosion Control**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	6,874.98 LF	\$1.05	\$7,218.73

104-11	FLOATING TURBIDITY BARRIER	125.20 LF	\$10.27	\$1,285.80
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	125.20 LF	\$5.22	\$653.54
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$1,915.96	\$1,915.96
107-1	LITTER REMOVAL	0.60 AC	\$29.18	\$17.51
107-2	MOWING	0.60 AC	\$45.09	\$27.05
Shoulder Component Total				\$42,797.22

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	9.01 CY	\$500.00	\$4,505.00
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	400.00 LF	\$56.37	\$22,548.00
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	88.00 LF	\$81.89	\$7,206.32
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	21.00 EA	\$933.04	\$19,593.84
570-1-1	PERFORMANCE TURF	352.56 SY	\$0.35	\$123.40
Drainage Component Total				\$53,976.56

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	\$256.36	\$512.72
700-20-12	SINGLE POST SIGN, F&I, 12-20 SF	11.00 AS	\$763.07	\$8,393.77
700-21-11	MULTI- POST SIGN, F&I, 50 OR <	2.00 AS	\$3,424.72	\$6,849.44
Signing Component Total				\$15,755.93

Sequence 3 Total	\$812,369.73
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Sequence: 4 NUR - New Construction, Undivided, Rural**Net Length:** 0.021 MI
109 LF**Description:** Ramp A - Two lane portion of off-ramp**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	0.021
Top of Structural Course For Begin Section	114.00
Top of Structural Course For End Section	116.00
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	0.36 AC	\$6,000.00	\$2,160.00
120-6	EMBANKMENT	7,425.02 CY	\$5.60	\$41,580.11
Earthwork Component Total				\$43,740.11

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	2
Roadway Pavement Width L/R	12.00 / 12.00
Structural Spread Rate	275
Friction Course Spread Rate	80

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	507.58 SY	\$2.98	\$1,512.59
285-709	OPTIONAL BASE,BASE GROUP 09	298.02 SY	\$13.51	\$4,026.25
334-1-23	SUPERPAVE ASPH CONC, TRAF C, PG76-22	39.88 TN	\$86.59	\$3,453.21
337-7-22	ASPH CONC FC,INC BIT,FC-5,PG76-22	11.60 TN	\$113.37	\$1,315.09

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	1
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	1

Skip Stripe No. of Stripes 1

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE PAVEMENT MARKERS	3.00 EA	\$3.41	\$10.23
710-11-111	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.04 NM	\$827.57	\$33.10
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	0.02 GM	\$343.98	\$6.88
Roadway Component Total				\$10,357.35

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	8.00 / 10.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 8.00
Paved Outside Shoulder Width L/R	4.00 / 2.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	O
Rumble Strips No. of Sides	0

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	80.49 SY	\$8.54	\$687.38
334-1-23	SUPERPAVE ASPH CONC, TRAF C, PG76-22	5.98 TN	\$86.59	\$517.81
337-7-22	ASPH CONC FC,INC BIT,FC-5,PG76-22	0.64 TN	\$113.37	\$72.56
570-1-1	PERFORMANCE TURF	145.02 SY	\$0.35	\$50.76

Erosion Control**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	282.80 LF	\$1.05	\$296.94
104-11	FLOATING TURBIDITY BARRIER	5.15 LF	\$10.27	\$52.89
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	5.15 LF	\$5.22	\$26.88
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$1,915.96	\$1,915.96
107-1	LITTER REMOVAL	0.02 AC	\$29.18	\$0.58
107-2	MOWING	0.02 AC	\$45.09	\$0.90
Shoulder Component Total				\$3,622.66

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	0.37 CY	\$500.00	\$185.00
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	24.00 LF	\$56.37	\$1,352.88
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	3.46 LF	\$81.89	\$283.34
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	1.00 EA	\$933.04	\$933.04
570-1-1	PERFORMANCE TURF	14.50 SY	\$0.35	\$5.08
Drainage Component Total				\$2,759.34

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	\$256.36	\$256.36
700-20-12	SINGLE POST SIGN, F&I, 12-20 SF	1.00 AS	\$763.07	\$763.07
700-21-11	MULTI- POST SIGN, F&I, 50 OR <	1.00 AS	\$3,424.72	\$3,424.72
Signing Component Total				\$4,444.15

Sequence 4 Total **\$64,923.61**

Sequence: 5NUR - New Construction, Undivided, Rural**Net Length:** 0.023 MI
122 LF**Description:** Ramp A1 - One lane off-ramp**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	0.023
Top of Structural Course For Begin Section	120.00
Top of Structural Course For End Section	122.00
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	0.39 AC	\$6,000.00	\$2,340.00
120-6	EMBANKMENT	13,796.66 CY	\$5.60	\$77,261.30
Earthwork Component Total				\$79,601.30

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	1
Roadway Pavement Width L/R	7.50 / 7.50
Structural Spread Rate	275
Friction Course Spread Rate	80

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	365.90 SY	\$2.98	\$1,090.38
285-709	OPTIONAL BASE,BASE GROUP 09	212.22 SY	\$13.51	\$2,867.09
334-1-23	SUPERPAVE ASPH CONC, TRAF C, PG76-22	27.95 TN	\$86.59	\$2,420.19
337-7-22	ASPH CONC FC,INC BIT,FC-5,PG76-22	8.13 TN	\$113.37	\$921.70

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	1
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	1

Skip Stripe No. of Stripes 0

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
710-11-111	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.05 NM	\$827.57	\$41.38
Roadway Component Total				\$7,340.74

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	6.00 / 6.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Paved Outside Shoulder Width L/R	2.00 / 4.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	O
Rumble Strips No. of Sides	0

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	90.26 SY	\$8.54	\$770.82
334-1-23	SUPERPAVE ASPH CONC, TRAF C, PG76-22	6.71 TN	\$86.59	\$581.02
337-7-22	ASPH CONC FC,INC BIT,FC- 5,PG76-22	0.72 TN	\$113.37	\$81.63
570-1-1	PERFORMANCE TURF	81.31 SY	\$0.35	\$28.46

Erosion Control**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	317.12 LF	\$1.05	\$332.98
104-11	FLOATING TURBIDITY BARRIER	5.78 LF	\$10.27	\$59.36
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	5.78 LF	\$5.22	\$30.17
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$1,915.96	\$1,915.96
107-1	LITTER REMOVAL	0.03 AC	\$29.18	\$0.88
107-2	MOWING	0.03 AC	\$45.09	\$1.35
Shoulder Component Total				\$3,802.63

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	0.42 CY	\$500.00	\$210.00
430-174-124	PIPE CULV, OPT MATL,	24.00 LF	\$56.37	\$1,352.88

430-175-136	ROUND,24"SD PIPE CULV, OPT MATL, ROUND, 36"S/CD	3.88 LF	\$81.89	\$317.73
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	1.00 EA	\$933.04	\$933.04
570-1-1	PERFORMANCE TURF	16.26 SY	\$0.35	\$5.69
Drainage Component Total				\$2,819.34

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	\$256.36	\$256.36
700-20-12	SINGLE POST SIGN, F&I, 12-20 SF	1.00 AS	\$763.07	\$763.07
700-21-11	MULTI- POST SIGN, F&I, 50 OR <	1.00 AS	\$3,424.72	\$3,424.72
Signing Component Total				\$4,444.15

Sequence 5 Total **\$98,008.16**

Sequence: 6NUR - New Construction, Undivided, Rural**Net Length:** 0.487 MI
2,573 LF**Description:** Ramp B - One lane loop on-ramp**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	0.471
Top of Structural Course For Begin Section	122.00
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	4 to 1 / 4 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	8.26	AC	\$6,000.00	\$49,560.00
120-6	EMBANKMENT	121,118.42	CY	\$5.60	\$678,263.15
Earthwork Component Total					\$727,823.15

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	1
Roadway Pavement Width L/R	8.00 / 8.00
Structural Spread Rate	275
Friction Course Spread Rate	80

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	8,004.71	SY	\$2.98	\$23,854.04
285-709	OPTIONAL BASE,BASE GROUP 09	4,762.81	SY	\$13.51	\$64,345.56
334-1-23	SUPERPAVE ASPH CONC, TRAF C, PG76-22	628.94	TN	\$86.59	\$54,459.91
337-7-22	ASPH CONC FC,INC BIT,FC-5,PG76-22	182.96	TN	\$113.37	\$20,742.18

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	1
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	1

Skip Stripe No. of Stripes 0

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
710-11-111	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.97 NM	\$827.57	\$802.74

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	33.67 TN	\$133.66	\$4,500.33
536-1-1	GUARDRAIL- ROADWAY	1,000.00 LF	\$15.63	\$15,630.00
536-85-22	GUARDRAIL END ANCHORAGE ASSEMBLY- FLARED	1.00 EA	\$1,614.22	\$1,614.22

Roadway Component Total

\$185,948.98

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	6.00 / 6.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Paved Outside Shoulder Width L/R	2.00 / 4.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	0
Rumble Strips No. of Sides	0

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	1,903.98 SY	\$8.54	\$16,259.99
334-1-23	SUPERPAVE ASPH CONC, TRAF C, PG76-22	141.51 TN	\$86.59	\$12,253.35
337-7-22	ASPH CONC FC,INC BIT,FC- 5,PG76-22	15.09 TN	\$113.37	\$1,710.75
570-1-2	PERFORMANCE TURF, SOD	1,715.30 SY	\$2.86	\$4,905.76

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
520-6	SHOULDER GUTTER- CONCRETE	1,000.00 LF	\$14.60	\$14,600.00

Erosion Control**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	6,689.65 LF	\$1.05	\$7,024.13
104-11	FLOATING TURBIDITY BARRIER	121.82 LF	\$10.27	\$1,251.09
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	121.82 LF	\$5.22	\$635.90
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$1,915.96	\$1,915.96
107-1	LITTER REMOVAL	0.58 AC	\$29.18	\$16.92
107-2	MOWING	0.58 AC	\$45.09	\$26.15
Shoulder Component Total				\$60,600.01

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	8.77 CY	\$500.00	\$4,385.00
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	392.00 LF	\$56.37	\$22,097.04
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	88.00 LF	\$81.89	\$7,206.32
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	20.00 EA	\$933.04	\$18,660.80
570-1-1	PERFORMANCE TURF	343.06 SY	\$0.35	\$120.07
Drainage Component Total				\$52,469.23

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	\$256.36	\$256.36
700-20-12	SINGLE POST SIGN, F&I, 12-20 SF	10.00 AS	\$763.07	\$7,630.70
700-21-11	MULTI- POST SIGN, F&I, 50 OR <	1.00 AS	\$3,424.72	\$3,424.72
Signing Component Total				\$11,311.78

Sequence 6 Total**\$1,038,153.15**

Sequence: 7NUR - New Construction, Undivided, Rural**Net Length:** 0.041 MI
216 LF**Description:** Ramp C - One lane portion of on-ramp**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	0.041
Top of Structural Course For Begin Section	122.00
Top of Structural Course For End Section	118.00
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	0.70 AC	\$6,000.00	\$4,200.00
120-6	EMBANKMENT	22,598.59 CY	\$5.60	\$126,552.10
Earthwork Component Total				\$130,752.10

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	1
Roadway Pavement Width L/R	7.50 / 7.50
Structural Spread Rate	275
Friction Course Spread Rate	80

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	647.86 SY	\$2.98	\$1,930.62
285-709	OPTIONAL BASE,BASE GROUP 09	375.76 SY	\$13.51	\$5,076.52
334-1-23	SUPERPAVE ASPH CONC, TRAF C, PG76-22	49.49 TN	\$86.59	\$4,285.34
337-7-22	ASPH CONC FC,INC BIT,FC-5,PG76-22	14.40 TN	\$113.37	\$1,632.53

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	1
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	1

Skip Stripe No. of Stripes 0

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
710-11-111	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.08 NM	\$827.57	\$66.21

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	10.33 TN	\$133.66	\$1,380.71
536-1-1	GUARDRAIL- ROADWAY	300.00 LF	\$15.63	\$4,689.00
536-85-22	GUARDRAIL END ANCHORAGE ASSEMBLY- FLARED	1.00 EA	\$1,614.22	\$1,614.22

Roadway Component Total

\$20,675.15

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	6.00 / 6.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Paved Outside Shoulder Width L/R	2.00 / 4.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	0
Rumble Strips No. of Sides	0

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	159.80 SY	\$8.54	\$1,364.69
334-1-23	SUPERPAVE ASPH CONC, TRAF C, PG76-22	11.88 TN	\$86.59	\$1,028.69
337-7-22	ASPH CONC FC,INC BIT,FC- 5,PG76-22	1.27 TN	\$113.37	\$143.98
570-1-1	PERFORMANCE TURF	143.97 SY	\$0.35	\$50.39

Erosion Control**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	561.48 LF	\$1.05	\$589.55

104-11	FLOATING TURBIDITY BARRIER	10.22 LF	\$10.27	\$104.96
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	10.22 LF	\$5.22	\$53.35
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$1,915.96	\$1,915.96
107-1	LITTER REMOVAL	0.05 AC	\$29.18	\$1.46
107-2	MOWING	0.05 AC	\$45.09	\$2.25
Shoulder Component Total				\$5,255.28

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	0.74 CY	\$500.00	\$370.00
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	32.00 LF	\$56.37	\$1,803.84
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	6.87 LF	\$81.89	\$562.58
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	2.00 EA	\$933.04	\$1,866.08
570-1-1	PERFORMANCE TURF	28.79 SY	\$0.35	\$10.08
Drainage Component Total				\$4,612.58

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	\$256.36	\$256.36
700-20-12	SINGLE POST SIGN, F&I, 12-20 SF	1.00 AS	\$763.07	\$763.07
700-21-11	MULTI- POST SIGN, F&I, 50 OR <	1.00 AS	\$3,424.72	\$3,424.72
Signing Component Total				\$4,444.15

Sequence 7 Total **\$165,739.26**

Sequence: 8NUR - New Construction, Undivided, Rural**Net Length:** 0.473 MI
2,498 LF**Description:** Ramp D - One lane portion of off-ramp**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.416
Top of Structural Course For Begin Section	124.00
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	3.44	AC	\$6,000.00	\$20,640.00
120-6	EMBANKMENT	169,431.59	CY	\$5.60	\$948,816.90
Earthwork Component Total					\$969,456.90

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	1
Roadway Pavement Width L/R	7.50 / 7.50
Structural Spread Rate	275
Friction Course Spread Rate	80

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	7,493.90	SY	\$2.98	\$22,331.82
285-709	OPTIONAL BASE,BASE GROUP 09	4,346.46	SY	\$13.51	\$58,720.67
334-1-23	SUPERPAVE ASPH CONC, TRAF C, PG76-22	572.45	TN	\$86.59	\$49,568.45
337-7-22	ASPH CONC FC,INC BIT,FC-5,PG76-22	166.53	TN	\$113.37	\$18,879.51

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	1
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	1

Skip Stripe No. of Stripes 0

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
710-11-111	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.95 NM	\$827.57	\$786.19

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	10.33 TN	\$133.66	\$1,380.71
536-1-1	GUARDRAIL- ROADWAY	300.00 LF	\$15.63	\$4,689.00
536-85-22	GUARDRAIL END ANCHORAGE ASSEMBLY- FLARED	1.00 EA	\$1,614.22	\$1,614.22

Roadway Component Total

\$157,970.57

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	6.00 / 6.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Paved Outside Shoulder Width L/R	2.00 / 4.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	0
Rumble Strips No. of Sides	0

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	1,848.50 SY	\$8.54	\$15,786.19
334-1-23	SUPERPAVE ASPH CONC, TRAF C, PG76-22	137.39 TN	\$86.59	\$11,896.60
337-7-22	ASPH CONC FC,INC BIT,FC- 5,PG76-22	14.65 TN	\$113.37	\$1,660.87
570-1-1	PERFORMANCE TURF	1,665.31 SY	\$0.35	\$582.86

Erosion Control**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	6,494.72 LF	\$1.05	\$6,819.46

104-11	FLOATING TURBIDITY BARRIER	118.28 LF	\$10.27	\$1,214.74
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	118.28 LF	\$5.22	\$617.42
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$1,915.96	\$1,915.96
107-1	LITTER REMOVAL	0.57 AC	\$29.18	\$16.63
107-2	MOWING	0.57 AC	\$45.09	\$25.70
Shoulder Component Total				\$40,536.43

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	8.52 CY	\$500.00	\$4,260.00
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	384.00 LF	\$56.37	\$21,646.08
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	80.00 LF	\$81.89	\$6,551.20
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	19.00 EA	\$933.04	\$17,727.76
570-1-1	PERFORMANCE TURF	333.06 SY	\$0.35	\$116.57
Drainage Component Total				\$50,301.61

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	\$256.36	\$256.36
700-20-12	SINGLE POST SIGN, F&I, 12-20 SF	10.00 AS	\$763.07	\$7,630.70
700-21-11	MULTI- POST SIGN, F&I, 50 OR <	1.00 AS	\$3,424.72	\$3,424.72
Signing Component Total				\$11,311.78

RETAINING WALLS COMPONENT**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
521-8-1	CONC TRAF RAIL BAR, JCT SLAB,32"F SHAPE Comment: Traffic railing on MSE wall.	3,028.00 LF	\$154.34	\$467,341.52

Retaining Wall 1

Description	Value
Length	1,483.00
Begin height	1.00
End Height	23.00
Multiplier	1

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
548-12	RETAINING WALL SYSTEM,PERM, EXC BAR.	17,796.00 SF	\$21.48	\$382,258.08

Retaining Wall 2

Description	Value
Length	1,545.00
Begin height	1.00
End Height	23.00
Multiplier	1

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
548-12	RETAINING WALL SYSTEM,PERM, EXC BAR.	18,540.00 SF	\$21.48	\$398,239.20

Retaining Walls Component Total	\$1,247,838.80
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Sequence 8 Total	\$2,477,416.09
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Sequence: 9NUR - New Construction, Undivided, Rural**Net Length:** 0.059 MI
312 LF**Description:** Ramp D - Two lane portion of off-ramp**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.095
Top of Structural Course For Begin Section	130.00
Top of Structural Course For End Section	124.00
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	0.43 AC	\$6,000.00	\$2,580.00
120-6	EMBANKMENT	98,487.67 CY	\$5.60	\$551,530.95
Earthwork Component Total				\$554,110.95

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	2
Roadway Pavement Width L/R	12.00 / 12.00
Structural Spread Rate	275
Friction Course Spread Rate	80

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	1,525.57 SY	\$2.98	\$4,546.20
285-709	OPTIONAL BASE,BASE GROUP 09	855.01 SY	\$13.51	\$11,551.19
334-1-23	SUPERPAVE ASPH CONC, TRAF C, PG76-22	114.42 TN	\$86.59	\$9,907.63
337-7-22	ASPH CONC FC,INC BIT,FC-5,PG76-22	33.29 TN	\$113.37	\$3,774.09

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	1
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	1

Skip Stripe No. of Stripes 1

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE PAVEMENT MARKERS	8.00 EA	\$3.41	\$27.28
710-11-111	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.12 NM	\$827.57	\$99.31
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	0.06 GM	\$343.98	\$20.64
Roadway Component Total				\$29,926.34

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	8.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	O
Rumble Strips No. of Sides	0

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	508.29 SY	\$8.54	\$4,340.80
334-1-23	SUPERPAVE ASPH CONC, TRAF C, PG76-22	40.05 TN	\$86.59	\$3,467.93
337-7-22	ASPH CONC FC,INC BIT,FC-5,PG76-22	1.83 TN	\$113.37	\$207.47
570-1-1	PERFORMANCE TURF	208.03 SY	\$0.35	\$72.81

Erosion Control**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	811.32 LF	\$1.05	\$851.89
104-11	FLOATING TURBIDITY BARRIER	14.78 LF	\$10.27	\$151.79
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	14.78 LF	\$5.22	\$77.15
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$1,915.96	\$1,915.96
107-1	LITTER REMOVAL	0.07 AC	\$29.18	\$2.04
107-2	MOWING	0.07 AC	\$45.09	\$3.16
Shoulder Component Total				\$11,091.00

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	1.06 CY	\$500.00	\$530.00
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	48.00 LF	\$56.37	\$2,705.76
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	9.93 LF	\$81.89	\$813.17
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	3.00 EA	\$933.04	\$2,799.12
570-1-1	PERFORMANCE TURF	41.61 SY	\$0.35	\$14.56
Drainage Component Total				\$6,862.61

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	\$256.36	\$256.36
700-20-12	SINGLE POST SIGN, F&I, 12-20 SF	2.00 AS	\$763.07	\$1,526.14
700-21-11	MULTI- POST SIGN, F&I, 50 OR <	1.00 AS	\$3,424.72	\$3,424.72
Signing Component Total				\$5,207.22

Sequence 9 Total **\$607,198.12**

Sequence: 10 NUR - New Construction, Undivided, Rural**Net** 0.488 MI
Length: 2,578 LF**Description:** Ramp E - One lane portion of on-ramp**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	0.409
Top of Structural Course For Begin Section	105.00
Top of Structural Course For End Section	124.00
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	8.28	AC	\$6,000.00	\$49,680.00
120-6	EMBANKMENT	166,580.57	CY	\$5.60	\$932,851.19
Earthwork Component Total					\$982,531.19

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	1
Roadway Pavement Width L/R	7.50 / 7.50
Structural Spread Rate	275
Friction Course Spread Rate	80

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	7,734.67	SY	\$2.98	\$23,049.32
285-709	OPTIONAL BASE,BASE GROUP 09	4,486.11	SY	\$13.51	\$60,607.35
334-1-23	SUPERPAVE ASPH CONC, TRAF C, PG76-22	590.84	TN	\$86.59	\$51,160.84
337-7-22	ASPH CONC FC,INC BIT,FC-5,PG76-22	171.88	TN	\$113.37	\$19,486.04

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	1
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	1

Skip Stripe No. of Stripes 0

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
710-11-111	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.98 NM	\$827.57	\$811.02

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	10.33 TN	\$133.66	\$1,380.71
536-1-1	GUARDRAIL- ROADWAY	300.00 LF	\$15.63	\$4,689.00
536-85-22	GUARDRAIL END ANCHORAGE ASSEMBLY- FLARED	1.00 EA	\$1,614.22	\$1,614.22

Roadway Component Total

\$162,798.50

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	6.00 / 6.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Paved Outside Shoulder Width L/R	2.00 / 4.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	0
Rumble Strips No. of Sides	0

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	1,907.89 SY	\$8.54	\$16,293.38
334-1-23	SUPERPAVE ASPH CONC, TRAF C, PG76-22	141.80 TN	\$86.59	\$12,278.46
337-7-22	ASPH CONC FC,INC BIT,FC- 5,PG76-22	15.13 TN	\$113.37	\$1,715.29
570-1-1	PERFORMANCE TURF	1,718.82 SY	\$0.35	\$601.59

Erosion Control**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	6,703.38 LF	\$1.05	\$7,038.55

104-11	FLOATING TURBIDITY BARRIER	122.08 LF	\$10.27	\$1,253.76
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	122.08 LF	\$5.22	\$637.26
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$1,915.96	\$1,915.96
107-1	LITTER REMOVAL	0.59 AC	\$29.18	\$17.22
107-2	MOWING	0.59 AC	\$45.09	\$26.60
Shoulder Component Total				\$41,778.07

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	8.79 CY	\$500.00	\$4,395.00
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	392.00 LF	\$56.37	\$22,097.04
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	88.00 LF	\$81.89	\$7,206.32
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	20.00 EA	\$933.04	\$18,660.80
570-1-1	PERFORMANCE TURF	343.76 SY	\$0.35	\$120.32
Drainage Component Total				\$52,479.48

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	\$256.36	\$256.36
700-20-12	SINGLE POST SIGN, F&I, 12-20 SF	10.00 AS	\$763.07	\$7,630.70
700-21-11	MULTI- POST SIGN, F&I, 50 OR <	1.00 AS	\$3,424.72	\$3,424.72
Signing Component Total				\$11,311.78

RETAINING WALLS COMPONENT**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
521-8-1	CONC TRAF RAIL BAR, JCT SLAB,32"F SHAPE Comment: Traffic railing on MSE wall.	3,064.00 LF	\$154.34	\$472,897.76

Retaining Wall 1

Description	Value
Length	1,508.00
Begin height	1.00
End Height	23.00
Multiplier	1

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
548-12	RETAINING WALL SYSTEM,PERM, EXC BAR.	18,096.00 SF	\$21.48	\$388,702.08

Retaining Wall 2

Description	Value
Length	1,556.00
Begin height	1.00
End Height	23.00
Multiplier	1

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
548-12	RETAINING WALL SYSTEM,PERM, EXC BAR.	18,672.00 SF	\$21.48	\$401,074.56

Retaining Walls Component Total \$1,262,674.40

Sequence 10 Total \$2,513,573.42

Sequence: 11 NUR - New Construction, Undivided, Rural**Net** 0.095 MI
Length: 502 LF**Description:** Ramp E - Two lane portion of on-ramp**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	0.095
Top of Structural Course For Begin Section	124.00
Top of Structural Course For End Section	130.00
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	1.61 AC	\$6,000.00	\$9,660.00
120-6	EMBANKMENT	97,936.84 CY	\$5.60	\$548,446.30
Earthwork Component Total				\$558,106.30

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	2
Roadway Pavement Width L/R	12.00 / 12.00
Structural Spread Rate	275
Friction Course Spread Rate	80

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	2,340.80 SY	\$2.98	\$6,975.58
285-709	OPTIONAL BASE,BASE GROUP 09	1,374.38 SY	\$13.51	\$18,567.87
334-1-23	SUPERPAVE ASPH CONC, TRAF C, PG76-22	183.92 TN	\$86.59	\$15,925.63
337-7-22	ASPH CONC FC,INC BIT,FC-5,PG76-22	53.50 TN	\$113.37	\$6,065.30

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	1
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	1

Skip Stripe No. of Stripes 1

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE PAVEMENT MARKERS	13.00 EA	\$3.41	\$44.33
710-11-111	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.19 NM	\$827.57	\$157.24
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	0.10 GM	\$343.98	\$34.40
Roadway Component Total				\$47,770.35

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	8.00 / 10.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 8.00
Paved Outside Shoulder Width L/R	4.00 / 2.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	O
Rumble Strips No. of Sides	0

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	371.18 SY	\$8.54	\$3,169.88
334-1-23	SUPERPAVE ASPH CONC, TRAF C, PG76-22	27.59 TN	\$86.59	\$2,389.02
570-1-1	PERFORMANCE TURF	668.80 SY	\$0.35	\$234.08

Erosion Control**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	1,304.00 LF	\$1.05	\$1,369.20
104-11	FLOATING TURBIDITY BARRIER	23.75 LF	\$10.27	\$243.91
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	23.75 LF	\$5.22	\$123.98
107-1	LITTER REMOVAL	0.11 AC	\$29.18	\$3.21
107-2	MOWING	0.11 AC	\$45.09	\$4.96
Shoulder Component Total				\$7,538.24

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	1.71 CY	\$500.00	\$855.00
430-984-129	MITERED END SECT, OPTIONAL	4.00 EA	\$933.04	\$3,732.16

RD, 24" SD

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
430-174-101	PIPE CULV, OPT MATL, ROUND,0-24"SD	80.00 LF	\$40.99	\$3,279.20
430-175-130	PIPE CULV, OPT MATL, ROUND, 30"S/CD	16.00 LF	\$65.55	\$1,048.80
Drainage Component Total				\$8,915.16

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	\$256.36	\$256.36
700-20-12	SINGLE POST SIGN, F&I, 12-20 SF	2.00 AS	\$763.07	\$1,526.14
700-21-11	MULTI- POST SIGN, F&I, 50 OR <	1.00 AS	\$3,424.72	\$3,424.72
Signing Component Total				\$5,207.22

Sequence 11 Total	\$627,537.27
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FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 426905-1-52-01

Letting Date: 01/2099

Description: I-95 @ ELLIS ROAD ST JOHNS HERITAGE PARKWAY INTERCHANGE STUDY

District: 05

County: 70 BREVARD

Market Area: 08

Units: English

Contract Class: 4 Lump Sum Project: N

Design/Build: N

Project Length: 2.083 MI

Project Manager: MIM

Version 4 Project Grand Total

\$21,806,484.50

Description: I-95 @ ELLIS ROAD ST JOHNS HERITAGE PARKWAY INTERCHANGE STUDY

Project Sequences Subtotal **\$15,563,409.63**

102-1 Maintenance of Traffic 10.00 % \$1,556,340.96

101-1 Mobilization 10.00 % \$1,711,975.06

Project Sequences Total **\$18,831,725.65**

Project Unknowns 15.00 % \$2,824,758.85

Design/Build 0.00 % \$0.00

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** **\$21,806,484.50**

Ellis Road LRE

High Speed Urban 50 mph

From John Rodes Boulevard to Wickham Road

Date: 10/2/2012 4:46:43 PM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 426905-1-52-01

Letting Date: 01/2099

Description: I-95 @ ELLIS ROAD ST JOHNS HERITAGE PARKWAY INTERCHANGE STUDY

District: 05 County: 70 BREVARD Market Area: 08 Units: English

Contract Class: 4 Lump Sum Project: N Design/Build: N Project Length: 2.083 MI

Project Manager: MIM

Version 5 Project Grand Total

\$10,417,840.91

Description: I-95 @ Ellis Road St Johns Heritage Parkway Interchange Study SIS High Speed Urban 50 MPH

Sequence: 1 NDU - New Construction, Divided, Urban

Net Length: 1.515 MI
8,000 LF

Description: John Rodes Blvd to Lake Ibis Dr

Special Retention Basin #1 used to compute canal excavation.

Conditions:

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	105.00 / 105.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	1.515
Top of Structural Course For Begin Section	103.00
Top of Structural Course For End Section	103.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	4 to 1 / 4 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	38.56	AC	\$6,000.00	\$231,360.00
120-6	EMBANKMENT	84,400.45	CY	\$5.00	\$422,002.25

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
120-1	REGULAR EXCAVATION	27,267.00	CY	\$3.00	\$81,801.00
	Comment: Canal Excavation				

Earthwork Component Total \$735,163.25

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	4
Roadway Pavement Width L/R	34.50 / 34.50
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	70,508.92	SY	\$2.50	\$176,272.30
285-709	OPTIONAL BASE,BASE GROUP 09	61,335.30	SY	\$16.00	\$981,364.80
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	10,120.32	TN	\$85.00	\$860,227.20
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	5,060.16	TN	\$100.00	\$506,016.00

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE PAVEMENT MARKERS	614.00	EA	\$3.37	\$2,069.18
710-11-111	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	12.12	NM	\$781.38	\$9,470.33
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	6.06	GM	\$299.50	\$1,814.97

Roadway Component Total

\$2,537,234.78

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	8,000.26	LF	\$14.16	\$113,283.68
520-1-10	CONCRETE CURB & GUTTER, TYPE F	8,000.26	LF	\$14.16	\$113,283.68
522-1	SIDEWALK CONC, 4" THICK	8,889.17	SY	\$33.93	\$301,609.54
570-1-1	PERFORMANCE TURF	8,889.17	SY	\$0.35	\$3,111.21

Erosion Control**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	16,000.51	LF	\$0.58	\$9,280.30
104-11	FLOATING TURBIDITY BARRIER	378.80	LF	\$11.18	\$4,234.98
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	378.80	LF	\$3.17	\$1,200.80
104-15	SOIL TRACKING PREVENTION DEVICE	2.00	EA	\$1,901.59	\$3,803.18
104-18	INLET PROTECTION SYSTEM	78.00	EA	\$68.80	\$5,366.40
107-1	LITTER REMOVAL	2.88	AC	\$47.69	\$137.35
107-2	MOWING	2.88	AC	\$51.37	\$147.95
Shoulder Component Total					\$555,459.07

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	16,000.51	LF	\$12.72	\$203,526.49
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	3,655.00	LF	\$23.44	\$85,673.20
570-1-1	PERFORMANCE TURF	4,746.82	SY	\$0.35	\$1,661.39
Median Component Total					\$290,861.08

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	27.27	CY	\$500.00	\$13,635.00
425-1-351	INLETS, CURB, TYPE P-5, <10'	55.00	EA	\$3,949.69	\$217,232.95
425-1-451	INLETS, CURB, TYPE J-5, <10'	16.00	EA	\$4,651.75	\$74,428.00
425-1-521	INLETS, DT BOT, TYPE C, <10'	8.00	EA	\$2,129.18	\$17,033.44
425-2-41	MANHOLES, P-7, <10'	8.00	EA	\$2,793.86	\$22,350.88
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	4,009.22	LF	\$42.09	\$168,748.07
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	357.59	LF	\$81.89	\$29,283.05
430-175-148	PIPE CULV, OPT MATL, ROUND, 48"S/CD	7,576.00	LF	\$105.42	\$798,661.92
570-1-1	PERFORMANCE TURF	460.62	SY	\$0.35	\$161.22

Retention Basin 1

Description	Value
Size	1 AC
Multiplier	1
Depth	6.00
Description	Pond 3B

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.00	AC	\$6,000.00	\$6,000.00
120-1	REGULAR EXCAVATION	9,680.00	CY	\$3.00	\$29,040.00
400-2-2	CONC CLASS II, ENDWALLS	18.00	CY	\$500.00	\$9,000.00
425-1-541	INLETS, DT BOT, TYPE D, <10'	1.00	EA	\$3,072.49	\$3,072.49
425-2-71	MANHOLES, J-7, <10'	1.00	EA	\$4,914.14	\$4,914.14
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	56.00	LF	\$106.62	\$5,970.72
430-175-160	PIPE CULV, OPT MATL, ROUND, 60"S/CD	200.00	LF	\$209.52	\$41,904.00
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	840.00	LF	\$9.04	\$7,593.60
550-60-234	FENCE GATE, TYP B, SLIDE/CANT, 18.1-20' OPEN	1.00	EA	\$2,079.62	\$2,079.62
570-1-1	PERFORMANCE TURF	4,840.00	SY	\$0.35	\$1,694.00

Retention Basin 2

Description	Value
Size	5 AC
Multiplier	1
Depth	6.00
Description	Pond 4B

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	5.00	AC	\$6,000.00	\$30,000.00
120-1	REGULAR EXCAVATION	48,400.00	CY	\$3.00	\$145,200.00
400-2-2	CONC CLASS II, ENDWALLS	30.00	CY	\$500.00	\$15,000.00
425-1-541	INLETS, DT BOT, TYPE D, <10'	1.00	EA	\$3,072.49	\$3,072.49
425-2-71	MANHOLES, J-7, <10'	2.00	EA	\$4,914.14	\$9,828.28
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	50.00	LF	\$106.62	\$5,331.00
430-175-160	PIPE CULV, OPT MATL, ROUND, 60"S/CD	400.00	LF	\$209.52	\$83,808.00
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	1,860.00	LF	\$9.04	\$16,814.40
550-60-234	FENCE GATE, TYP B, SLIDE/CANT, 18.1-20' OPEN	2.00	EA	\$2,079.62	\$4,159.24
570-1-1	PERFORMANCE TURF	24,200.00	SY	\$0.35	\$8,470.00

Retention Basin 3

Description	Value
Size	.5 AC
Multiplier	1
Depth	6.00
Description	Pond 5A Expansion

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.50	AC	\$6,000.00	\$3,000.00
120-1	REGULAR EXCAVATION	4,840.00	CY	\$3.00	\$14,520.00
400-2-2	CONC CLASS II, ENDWALLS	18.00	CY	\$500.00	\$9,000.00
425-1-541	INLETS, DT BOT, TYPE D, <10'	1.00	EA	\$3,072.49	\$3,072.49

425-2-71	MANHOLES, J-7, <10'	1.00 EA	\$4,914.14	\$4,914.14
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	56.00 LF	\$106.62	\$5,970.72
430-175-160	PIPE CULV, OPT MATL, ROUND, 60"S/CD	200.00 LF	\$209.52	\$41,904.00
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	600.00 LF	\$9.04	\$5,424.00
550-60-234	FENCE GATE,TYP B,SLIDE/CANT,18.1-20'OPEN	1.00 EA	\$2,079.62	\$2,079.62
570-1-1	PERFORMANCE TURF	2,420.00 SY	\$0.35	\$847.00
Drainage Component Total				\$1,865,218.48

INTERSECTIONS COMPONENT

Intersection 1

Description	Value
Mainline No. of Left Turn Lanes	2
Mainline No. of Right Turn Lanes	0
Mainline Design Speed	50
Cross Street Thru Lanes	3
Cross Street No. of Left Turn Lanes	2
Cross Street No. of Right Turn Lanes	1
Cross Street Design Speed	35
T-Intersection?	N
Multiplier	1
Description	Ellis Rd and John Rodes Blvd

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	2.36	AC	\$6,000.00	\$14,160.00
120-1	REGULAR EXCAVATION	1,712.73	CY	\$3.00	\$5,138.19
160-4	TYPE B STABILIZATION	1,489.22	SY	\$2.50	\$3,723.05
160-4	TYPE B STABILIZATION	4,135.36	SY	\$2.50	\$10,338.40
285-709	OPTIONAL BASE,BASE GROUP 09	1,489.22	SY	\$16.00	\$23,827.52
285-709	OPTIONAL BASE,BASE GROUP 09	4,135.36	SY	\$16.00	\$66,165.76
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	682.33	TN	\$85.00	\$57,998.05
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	245.72	TN	\$85.00	\$20,886.20
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	122.86	TN	\$100.00	\$12,286.00
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	341.17	TN	\$100.00	\$34,117.00
520-1-7	CONCRETE CURB & GUTTER, TYPE E	202.84	LF	\$12.72	\$2,580.12
520-1-10	CONCRETE CURB & GUTTER, TYPE F	946.00	LF	\$14.16	\$13,395.36
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	390.00	LF	\$23.44	\$9,141.60
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	780.00	LF	\$23.44	\$18,283.20
522-1	SIDEWALK CONC, 4" THICK	525.56	SY	\$33.93	\$17,832.25
522-2	SIDEWALK CONC, 6" THICK	173.89	SY	\$37.93	\$6,595.65
570-1-1	PERFORMANCE TURF	525.56	SY	\$0.35	\$183.95

Intersection 2

Description	Value
Mainline No. of Left Turn Lanes	2
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	Ellis Rd and Stan Dr

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.70	AC	\$6,000.00	\$4,200.00
120-1	REGULAR EXCAVATION	336.63	CY	\$3.00	\$1,009.89
160-4	TYPE B STABILIZATION	1,459.89	SY	\$2.50	\$3,649.73
160-4	TYPE B STABILIZATION	812.79	SY	\$2.50	\$2,031.98
285-709	OPTIONAL BASE,BASE GROUP 09	812.79	SY	\$16.00	\$13,004.64
285-709	OPTIONAL BASE,BASE GROUP 09	1,459.89	SY	\$16.00	\$23,358.24
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	134.11	TN	\$85.00	\$11,399.35
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	240.88	TN	\$85.00	\$20,474.80
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	67.06	TN	\$100.00	\$6,706.00
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	120.44	TN	\$100.00	\$12,044.00
520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42	LF	\$12.72	\$1,290.06
520-1-10	CONCRETE CURB & GUTTER, TYPE F	273.00	LF	\$14.16	\$3,865.68
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	780.00	LF	\$23.44	\$18,283.20
522-1	SIDEWALK CONC, 4" THICK	151.67	SY	\$33.93	\$5,146.16
522-2	SIDEWALK CONC, 6" THICK	86.94	SY	\$37.93	\$3,297.63
570-1-1	PERFORMANCE TURF	151.67	SY	\$0.35	\$53.08

Intersection 3

Description	Value
Mainline No. of Left Turn Lanes	2
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	Ellis Rd and East Dr

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.70	AC	\$6,000.00	\$4,200.00
120-1	REGULAR EXCAVATION	336.63	CY	\$3.00	\$1,009.89

160-4	TYPE B STABILIZATION	1,459.89 SY	\$2.50	\$3,649.73
160-4	TYPE B STABILIZATION	812.79 SY	\$2.50	\$2,031.98
285-709	OPTIONAL BASE,BASE GROUP 09	812.79 SY	\$16.00	\$13,004.64
285-709	OPTIONAL BASE,BASE GROUP 09	1,459.89 SY	\$16.00	\$23,358.24
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	134.11 TN	\$85.00	\$11,399.35
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	240.88 TN	\$85.00	\$20,474.80
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	120.44 TN	\$100.00	\$12,044.00
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	67.06 TN	\$100.00	\$6,706.00
520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42 LF	\$12.72	\$1,290.06
520-1-10	CONCRETE CURB & GUTTER, TYPE F	273.00 LF	\$14.16	\$3,865.68
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	780.00 LF	\$23.44	\$18,283.20
522-1	SIDEWALK CONC, 4" THICK	151.67 SY	\$33.93	\$5,146.16
522-2	SIDEWALK CONC, 6" THICK	86.94 SY	\$37.93	\$3,297.63
570-1-1	PERFORMANCE TURF	151.67 SY	\$0.35	\$53.08

Intersection 4

Description	Value
Mainline No. of Left Turn Lanes	2
Mainline No. of Right Turn Lanes	0
Mainline Design Speed	50
Cross Street Thru Lanes	3
Cross Street No. of Left Turn Lanes	1
Cross Street No. of Right Turn Lanes	0
Cross Street Design Speed	35
T-Intersection?	N
Multiplier	1
Description	Ellis Rd and Technology (West)

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	2.36	AC	\$6,000.00	\$14,160.00
120-1	REGULAR EXCAVATION	1,423.92	CY	\$3.00	\$4,271.76
160-4	TYPE B STABILIZATION	1,489.22	SY	\$2.50	\$3,723.05
160-4	TYPE B STABILIZATION	3,438.03	SY	\$2.50	\$8,595.08
285-709	OPTIONAL BASE,BASE GROUP 09	3,438.03	SY	\$16.00	\$55,008.48
285-709	OPTIONAL BASE,BASE GROUP 09	1,489.22	SY	\$16.00	\$23,827.52
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	245.72	TN	\$85.00	\$20,886.20
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	567.27	TN	\$85.00	\$48,217.95
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	122.86	TN	\$100.00	\$12,286.00
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	283.64	TN	\$100.00	\$28,364.00
520-1-7	CONCRETE CURB & GUTTER, TYPE E	202.84	LF	\$12.72	\$2,580.12
520-1-10	CONCRETE CURB & GUTTER, TYPE F	946.00	LF	\$14.16	\$13,395.36
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	195.00	LF	\$23.44	\$4,570.80

520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	780.00 LF	\$23.44	\$18,283.20
522-1	SIDEWALK CONC, 4" THICK	525.56 SY	\$33.93	\$17,832.25
522-2	SIDEWALK CONC, 6" THICK	173.89 SY	\$37.93	\$6,595.65
570-1-1	PERFORMANCE TURF	525.56 SY	\$0.35	\$183.95

Intersection 5

Description	Value
Mainline No. of Left Turn Lanes	2
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	Ellis Rd and Distribution Dr

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.70	AC	\$6,000.00	\$4,200.00
120-1	REGULAR EXCAVATION	336.63	CY	\$3.00	\$1,009.89
160-4	TYPE B STABILIZATION	1,459.89	SY	\$2.50	\$3,649.73
160-4	TYPE B STABILIZATION	812.79	SY	\$2.50	\$2,031.98
285-709	OPTIONAL BASE,BASE GROUP 09	1,459.89	SY	\$16.00	\$23,358.24
285-709	OPTIONAL BASE,BASE GROUP 09	812.79	SY	\$16.00	\$13,004.64
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	240.88	TN	\$85.00	\$20,474.80
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	134.11	TN	\$85.00	\$11,399.35
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	67.06	TN	\$100.00	\$6,706.00
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	120.44	TN	\$100.00	\$12,044.00
520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42	LF	\$12.72	\$1,290.06
520-1-10	CONCRETE CURB & GUTTER, TYPE F	273.00	LF	\$14.16	\$3,865.68
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	780.00	LF	\$23.44	\$18,283.20
522-1	SIDEWALK CONC, 4" THICK	151.67	SY	\$33.93	\$5,146.16
522-2	SIDEWALK CONC, 6" THICK	86.94	SY	\$37.93	\$3,297.63
570-1-1	PERFORMANCE TURF	151.67	SY	\$0.35	\$53.08

Intersection 6

Description	Value
Mainline No. of Left Turn Lanes	2
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	Ellis Rd and Technology (East)

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.70	AC	\$6,000.00	\$4,200.00
120-1	REGULAR EXCAVATION	336.63	CY	\$3.00	\$1,009.89
160-4	TYPE B STABILIZATION	1,459.89	SY	\$2.50	\$3,649.73
160-4	TYPE B STABILIZATION	812.79	SY	\$2.50	\$2,031.98
285-709	OPTIONAL BASE,BASE GROUP 09	1,459.89	SY	\$16.00	\$23,358.24
285-709	OPTIONAL BASE,BASE GROUP 09	812.79	SY	\$16.00	\$13,004.64
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	240.88	TN	\$85.00	\$20,474.80
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	134.11	TN	\$85.00	\$11,399.35
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	67.06	TN	\$100.00	\$6,706.00
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	120.44	TN	\$100.00	\$12,044.00
520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42	LF	\$12.72	\$1,290.06
520-1-10	CONCRETE CURB & GUTTER, TYPE F	273.00	LF	\$14.16	\$3,865.68
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	780.00	LF	\$23.44	\$18,283.20
522-1	SIDEWALK CONC, 4" THICK	151.67	SY	\$33.93	\$5,146.16
522-2	SIDEWALK CONC, 6" THICK	86.94	SY	\$37.93	\$3,297.63
570-1-1	PERFORMANCE TURF	151.67	SY	\$0.35	\$53.08

Intersection 7

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	Ellis Rd and Shinn Ave

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.70	AC	\$6,000.00	\$4,200.00
120-1	REGULAR EXCAVATION	336.63	CY	\$3.00	\$1,009.89
160-4	TYPE B STABILIZATION	906.56	SY	\$2.50	\$2,266.40
160-4	TYPE B STABILIZATION	812.79	SY	\$2.50	\$2,031.98
285-709	OPTIONAL BASE,BASE GROUP 09	906.56	SY	\$16.00	\$14,504.96
285-709	OPTIONAL BASE,BASE GROUP 09	812.79	SY	\$16.00	\$13,004.64
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	149.58	TN	\$85.00	\$12,714.30
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	134.11	TN	\$85.00	\$11,399.35
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	67.06	TN	\$100.00	\$6,706.00
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	74.79	TN	\$100.00	\$7,479.00

520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42 LF	\$12.72	\$1,290.06
520-1-10	CONCRETE CURB & GUTTER, TYPE F	273.00 LF	\$14.16	\$3,865.68
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	390.00 LF	\$23.44	\$9,141.60
522-1	SIDEWALK CONC, 4" THICK	151.67 SY	\$33.93	\$5,146.16
522-2	SIDEWALK CONC, 6" THICK	86.94 SY	\$37.93	\$3,297.63
570-1-1	PERFORMANCE TURF	151.67 SY	\$0.35	\$53.08

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	Ellis Rd and Lake Ibis Dr

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.70	AC	\$6,000.00	\$4,200.00
120-1	REGULAR EXCAVATION	336.63	CY	\$3.00	\$1,009.89
160-4	TYPE B STABILIZATION	906.56	SY	\$2.50	\$2,266.40
160-4	TYPE B STABILIZATION	812.79	SY	\$2.50	\$2,031.98
285-709	OPTIONAL BASE,BASE GROUP 09	906.56	SY	\$16.00	\$14,504.96
285-709	OPTIONAL BASE,BASE GROUP 09	812.79	SY	\$16.00	\$13,004.64
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	149.58	TN	\$85.00	\$12,714.30
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	134.11	TN	\$85.00	\$11,399.35
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	67.06	TN	\$100.00	\$6,706.00
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	74.79	TN	\$100.00	\$7,479.00
520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42	LF	\$12.72	\$1,290.06
520-1-10	CONCRETE CURB & GUTTER, TYPE F	273.00	LF	\$14.16	\$3,865.68
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	390.00	LF	\$23.44	\$9,141.60
522-1	SIDEWALK CONC, 4" THICK	151.67	SY	\$33.93	\$5,146.16
522-2	SIDEWALK CONC, 6" THICK	86.94	SY	\$37.93	\$3,297.63
570-1-1	PERFORMANCE TURF	151.67	SY	\$0.35	\$53.08
Intersections Component Total					\$1,314,912.89

SIGNING COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-20-11	SINGLE POST SIGN, F&I, LESS	37.00	AS	\$256.36	\$9,485.32

	THAN 12 SF			
700-20-12	SINGLE POST SIGN, F&I, 12-20 SF	4.00 AS	\$763.07	\$3,052.28
700-21-11	MULTI- POST SIGN, F&I, 50 OR <	4.00 AS	\$3,424.72	\$13,698.88
700-21-12	MULTI- POST SIGN, F&I, 51-100	4.00 AS	\$3,620.87	\$14,483.48
Signing Component Total				\$40,719.96

SIGNALIZATIONS COMPONENT

Signalization 1

Description	Value
Type	4 Lane Mast Arm
Multiplier	1
Description	Ellis Rd and John Rodes Blvd

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-1-12	CONDUIT-SIGNALS, F& I, UNDERGROUND	750.00	LF	\$4.17	\$3,127.50
630-1-14	CONDUIT-SIGNALS,F& I, UG JACKED	250.00	LF	\$9.91	\$2,477.50
632-7-1	CABLE, SIGNAL, FURNISH & INSTALL	1.00	PI	\$2,138.17	\$2,138.17
635-1-11	PULL & JUNCTION BOXES, F&I, PULL BOX	16.00	EA	\$299.13	\$4,786.08
639-1-22	SIGNAL,ELECT POWER SERV,UG,PUR CONT	1.00	AS	\$1,745.25	\$1,745.25
639-2-1	SIGNAL,ELECTRICAL SERVICE WIRE	60.00	LF	\$2.13	\$127.80
649-31-103	M/ARM,F&I, WS-150,SINGLE ARM,W/O LUM-60	4.00	EA	\$21,853.12	\$87,412.48
650-51-311	TRAFFIC SIGNAL, F&I, 3 SECT, 1 WAY, STD	12.00	AS	\$602.83	\$7,233.96
653-191	PEDESTRIAN SIGNAL, F&I, LED-COUNT DWN, 1	8.00	AS	\$537.27	\$4,298.16
659-101	SGNL HEAD AUXIL, F&I, BACK PLT 3 SECT	12.00	EA	\$106.25	\$1,275.00
659-109	SGNL HEAD AUXIL, F&I, CONC PED TYP II	1.00	EA	\$748.15	\$748.15
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	12.00	EA	\$121.84	\$1,462.08
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	12.00	AS	\$621.32	\$7,455.84
665-11	PED DET, F&I, DET STA POLE OR CAB MTD	8.00	EA	\$157.59	\$1,260.72
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00	AS	\$19,675.06	\$19,675.06
700-48-19	SIGN PANELS, F & I, 16 - 100	4.00	EA	\$554.36	\$2,217.44

Signalization 2

Description	Value
Type	4 Lane Mast Arm
Multiplier	1
Description	Ellis Rd and East Dr

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-1-12	CONDUIT-SIGNALS, F& I, UNDERGROUND	750.00	LF	\$4.17	\$3,127.50
630-1-14	CONDUIT-SIGNALS,F& I, UG JACKED	250.00	LF	\$9.91	\$2,477.50
632-7-1	CABLE, SIGNAL, FURNISH & INSTALL	1.00	PI	\$2,138.17	\$2,138.17
635-1-11	PULL & JUNCTION BOXES, F&I, PULL BOX	16.00	EA	\$299.13	\$4,786.08
639-1-22	SIGNAL,ELECT POWER SERV,UG,PUR CONT	1.00	AS	\$1,745.25	\$1,745.25
639-2-1	SIGNAL,ELECTRICAL SERVICE WIRE	60.00	LF	\$2.13	\$127.80
649-31-103	M/ARM,F&I, WS-150,SINGLE ARM,W/O LUM-60	4.00	EA	\$21,853.12	\$87,412.48
650-51-311	TRAFFIC SIGNAL, F&I, 3 SECT, 1 WAY, STD	12.00	AS	\$602.83	\$7,233.96
653-191	PEDESTRIAN SIGNAL, F&I, LED-COUNT DWN, 1	8.00	AS	\$537.27	\$4,298.16
659-101	SGNL HEAD AUXIL, F&I, BACK PLT 3 SECT	12.00	EA	\$106.25	\$1,275.00
659-109	SGNL HEAD AUXIL, F&I, CONC PED TYP II	1.00	EA	\$748.15	\$748.15
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	12.00	EA	\$121.84	\$1,462.08
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	12.00	AS	\$621.32	\$7,455.84
665-11	PED DET, F&I, DET STA POLE OR CAB MTD	8.00	EA	\$157.59	\$1,260.72
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00	AS	\$19,675.06	\$19,675.06
700-48-19	SIGN PANELS, F & I, 16 - 100	4.00	EA	\$554.36	\$2,217.44

Signalization 3**Description**

Type

Multiplier

Description

Value

4 Lane Mast Arm

1

Ellis Rd and Technology Dr
(East)**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-1-12	CONDUIT-SIGNALS, F& I, UNDERGROUND	750.00	LF	\$4.17	\$3,127.50
630-1-14	CONDUIT-SIGNALS,F& I, UG JACKED	250.00	LF	\$9.91	\$2,477.50
632-7-1	CABLE, SIGNAL, FURNISH & INSTALL	1.00	PI	\$2,138.17	\$2,138.17
635-1-11	PULL & JUNCTION BOXES, F&I, PULL BOX	16.00	EA	\$299.13	\$4,786.08
639-1-22	SIGNAL,ELECT POWER SERV,UG,PUR CONT	1.00	AS	\$1,745.25	\$1,745.25
639-2-1	SIGNAL,ELECTRICAL SERVICE WIRE	60.00	LF	\$2.13	\$127.80
649-31-103	M/ARM,F&I, WS-150,SINGLE ARM,W/O LUM-60	4.00	EA	\$21,853.12	\$87,412.48
650-51-311	TRAFFIC SIGNAL, F&I, 3 SECT, 1 WAY, STD	12.00	AS	\$602.83	\$7,233.96

653-191	PEDESTRIAN SIGNAL, F&I, LED-COUNT DWN, 1	8.00 AS	\$537.27	\$4,298.16
659-101	SGNL HEAD AUXIL, F&I, BACK PLT 3 SECT	12.00 EA	\$106.25	\$1,275.00
659-109	SGNL HEAD AUXIL, F&I, CONC PED TYP II	1.00 EA	\$748.15	\$748.15
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	12.00 EA	\$121.84	\$1,462.08
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	12.00 AS	\$621.32	\$7,455.84
665-11	PED DET, F&I, DET STA POLE OR CAB MTD	8.00 EA	\$157.59	\$1,260.72
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00 AS	\$19,675.06	\$19,675.06
700-48-19	SIGN PANELS, F & I, 16 - 100	4.00 EA	\$554.36	\$2,217.44
Signalizations Component Total				\$442,323.57

LIGHTING COMPONENT

Conventional Lighting Subcomponent

Description				Value
Spacing				MIN
Pay Items				
Pay item	Description	Quantity Unit	Unit Price	Extended Amount
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	29,219.12 LF	\$1.75	\$51,133.46
715-2-11	LIGHTING-CONDUIT, F&I, UNDERGROUND	8,000.26 LF	\$2.60	\$20,800.68
715-2-12	LIGHTING-CONDUIT, F&I, UNDER EXIST PVMT	1,587.93 LF	\$9.79	\$15,545.83
715-14-11	LIGHTING - PULL BOX,F&I,ROADSIDE-MOULDED	54.00 EA	\$276.04	\$14,906.16
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	54.00 EA	\$302.85	\$16,353.90
715-511-140	LIGHT POLE COMP,F&I,SGL ARM SM, AL,40'	54.00 EA	\$4,000.00	\$216,000.00
Subcomponent Total				\$334,740.03
Lighting Component Total				\$334,740.03

Sequence 1 Total **\$8,116,633.11**

Sequence: 2NUR - New Construction, Undivided, Rural**Net Length:** 1.240 MI
6,549 LF**Description:** Turn lanes on Ellis Rd**ROADWAY COMPONENT****User Input Data**

Description	Value
Number of Lanes	1
Roadway Pavement Width L/R	0.00 / 12.00
Structural Spread Rate	275
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	23,284.57 SY	\$2.50	\$58,211.42
285-709	OPTIONAL BASE,BASE GROUP 09	8,971.83 SY	\$16.00	\$143,549.28
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,200.61 TN	\$85.00	\$102,051.85
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	720.37 TN	\$100.00	\$72,037.00

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	1
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	0

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
710-11-111	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	2.48 NM	\$781.38	\$1,937.82

Roadway Component Total

\$377,787.37

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	3.00 AS	\$256.36	\$769.08
700-20-12	SINGLE POST SIGN, F&I, 12-20 SF	25.00 AS	\$763.07	\$19,076.75
700-21-11	MULTI- POST SIGN, F&I, 50 OR <	3.00 AS	\$3,424.72	\$10,274.16

Signing Component Total

\$30,119.99

Sequence 2 Total

\$407,907.36

Date: 10/2/2012 4:46:46 PM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 426905-1-52-01

Letting Date: 01/2099

Description: I-95 @ ELLIS ROAD ST JOHNS HERITAGE PARKWAY INTERCHANGE STUDY

District: 05 County: 70 BREVARD Market Area: 08 Units: English

Contract Class: 4 Lump Sum Project: N Design/Build: N Project Length: 2.083 MI

Project Manager: MIM

Version 5 Project Grand Total

\$10,417,840.91

Description: I-95 @ Ellis Road St Johns Heritage Parkway Interchange Study SIS High Speed Urban 50 MPH

Project Sequences Subtotal **\$8,524,540.47**

102-1 Maintenance of Traffic 10.00 % \$852,454.05

101-1 Mobilization 10.00 % \$937,699.45

Project Sequences Total **\$10,314,693.97**

Project Unknowns 0.00 % \$0.00

Design/Build 0.00 % \$0.00

Non-Bid Components:

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
999-25	INITIAL CONTINGENCY AMOUNT (DO NOT BID)	LS		\$103,146.94	\$103,146.94

Project Non-Bid Subtotal **\$103,146.94****Version 5 Project Grand Total** **\$10,417,840.91**

Ellis Road LRE

Standard Urban 45 mph

From John Rodes Boulevard to Wickham Road

Date: 10/2/2012 1:37:13 PM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 426905-1-52-01

Letting Date: 01/2099

Description: I-95 @ ELLIS ROAD ST JOHNS HERITAGE PARKWAY INTERCHANGE STUDY

District: 05

County: 70 BREVARD

Market Area: 08

Units: English

Contract Class: 4 Lump Sum Project: N

Design/Build: N

Project Length: 2.083 MI

Project Manager: MIM

Version 2 Project Grand Total

\$9,796,548.81

Description: I-95 @ ELLIS ROAD ST JOHNS HERITAGE PARKWAY INTERCHANGE STUDY STANDARD URBAN 45 MPH

Sequence: 1 NDU - New Construction, Divided, Urban

Net Length: 1.515 MI
8,000 LF

Description: John Rodes Blvd to Lake Ibis Dr

Special Retention Basin #1 used to compute canal excavation.

Conditions:

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	95.00 / 95.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	1.515
Top of Structural Course For Begin Section	103.00
Top of Structural Course For End Section	103.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	4 to 1 / 4 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	34.89	AC	\$6,000.00	\$209,340.00
120-6	EMBANKMENT	81,366.68	CY	\$5.00	\$406,833.40

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
120-1	REGULAR EXCAVATION	27,267.00	CY	\$3.00	\$81,801.00
	Comment: Canal Excavation				

Earthwork Component Total \$697,974.40

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	58,953.00	SY	\$2.50	\$147,382.50
285-709	OPTIONAL BASE,BASE GROUP 09	49,779.37	SY	\$16.00	\$796,469.92
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	8,213.60	TN	\$85.00	\$698,156.00
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	4,106.80	TN	\$100.00	\$410,680.00

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE PAVEMENT MARKERS	614.00	EA	\$3.37	\$2,069.18
710-11-111	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	12.12	NM	\$781.38	\$9,470.33
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	6.06	GM	\$299.50	\$1,814.97

Roadway Component Total

\$2,066,042.90

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	8,000.26	LF	\$14.16	\$113,283.68
520-1-10	CONCRETE CURB & GUTTER, TYPE F	8,000.26	LF	\$14.16	\$113,283.68
522-1	SIDEWALK CONC, 4" THICK	8,889.17	SY	\$33.93	\$301,609.54
570-1-1	PERFORMANCE TURF	8,889.17	SY	\$0.35	\$3,111.21

Erosion Control**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	16,000.51	LF	\$0.58	\$9,280.30
104-11	FLOATING TURBIDITY BARRIER	378.80	LF	\$11.18	\$4,234.98
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	378.80	LF	\$3.17	\$1,200.80
104-15	SOIL TRACKING PREVENTION DEVICE	2.00	EA	\$1,901.59	\$3,803.18
104-18	INLET PROTECTION SYSTEM	78.00	EA	\$68.80	\$5,366.40
107-1	LITTER REMOVAL	2.88	AC	\$47.69	\$137.35
107-2	MOWING	2.88	AC	\$51.37	\$147.95
Shoulder Component Total					\$555,459.07

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	16,000.51	LF	\$12.72	\$203,526.49
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	3,655.00	LF	\$23.44	\$85,673.20
570-1-1	PERFORMANCE TURF	4,746.82	SY	\$0.35	\$1,661.39
Median Component Total					\$290,861.08

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	27.27	CY	\$500.00	\$13,635.00
425-1-351	INLETS, CURB, TYPE P-5, <10'	55.00	EA	\$3,949.69	\$217,232.95
425-1-451	INLETS, CURB, TYPE J-5, <10'	16.00	EA	\$4,651.75	\$74,428.00
425-1-521	INLETS, DT BOT, TYPE C, <10'	8.00	EA	\$2,129.18	\$17,033.44
425-2-41	MANHOLES, P-7, <10'	8.00	EA	\$2,793.86	\$22,350.88
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	4,009.22	LF	\$42.09	\$168,748.07
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	357.59	LF	\$81.89	\$29,283.05
430-175-148	PIPE CULV, OPT MATL, ROUND, 48"S/CD	7,576.00	LF	\$105.42	\$798,661.92
570-1-1	PERFORMANCE TURF	460.62	SY	\$0.35	\$161.22

Retention Basin 1

Description	Value
Size	1 AC
Multiplier	1
Depth	6.00
Description	Pond Site 3B

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.00	AC	\$6,000.00	\$6,000.00
120-1	REGULAR EXCAVATION	9,680.00	CY	\$3.00	\$29,040.00
400-2-2	CONC CLASS II, ENDWALLS	18.00	CY	\$500.00	\$9,000.00
425-1-541	INLETS, DT BOT, TYPE D, <10'	1.00	EA	\$3,072.49	\$3,072.49
425-2-71	MANHOLES, J-7, <10'	1.00	EA	\$4,914.14	\$4,914.14
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	56.00	LF	\$106.62	\$5,970.72
430-175-160	PIPE CULV, OPT MATL, ROUND, 60"S/CD	200.00	LF	\$209.52	\$41,904.00
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	840.00	LF	\$9.04	\$7,593.60
550-60-234	FENCE GATE, TYP B, SLIDE/CANT, 18.1-20' OPEN	1.00	EA	\$2,079.62	\$2,079.62
570-1-1	PERFORMANCE TURF	4,840.00	SY	\$0.35	\$1,694.00

Retention Basin 2

Description	Value
Size	5 AC
Multiplier	1
Depth	6.00
Description	Pond 4B

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	5.00	AC	\$6,000.00	\$30,000.00
120-1	REGULAR EXCAVATION	48,400.00	CY	\$3.00	\$145,200.00
400-2-2	CONC CLASS II, ENDWALLS	30.00	CY	\$500.00	\$15,000.00
425-1-541	INLETS, DT BOT, TYPE D, <10'	1.00	EA	\$3,072.49	\$3,072.49
425-2-71	MANHOLES, J-7, <10'	2.00	EA	\$4,914.14	\$9,828.28
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	50.00	LF	\$106.62	\$5,331.00
430-175-160	PIPE CULV, OPT MATL, ROUND, 60"S/CD	400.00	LF	\$209.52	\$83,808.00
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	1,860.00	LF	\$9.04	\$16,814.40
550-60-234	FENCE GATE, TYP B, SLIDE/CANT, 18.1-20' OPEN	2.00	EA	\$2,079.62	\$4,159.24
570-1-1	PERFORMANCE TURF	24,200.00	SY	\$0.35	\$8,470.00

Retention Basin 3

Description	Value
Size	.5 AC
Multiplier	1
Depth	6.00
Description	Pond 5A Expansion

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.50	AC	\$6,000.00	\$3,000.00
120-1	REGULAR EXCAVATION	4,840.00	CY	\$3.00	\$14,520.00
400-2-2	CONC CLASS II, ENDWALLS	18.00	CY	\$500.00	\$9,000.00
425-1-541	INLETS, DT BOT, TYPE D, <10'	1.00	EA	\$3,072.49	\$3,072.49

425-2-71	MANHOLES, J-7, <10'	1.00 EA	\$4,914.14	\$4,914.14
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	56.00 LF	\$106.62	\$5,970.72
430-175-160	PIPE CULV, OPT MATL, ROUND, 60"S/CD	200.00 LF	\$209.52	\$41,904.00
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	600.00 LF	\$9.04	\$5,424.00
550-60-234	FENCE GATE,TYP B,SLIDE/CANT,18.1-20'OPEN	1.00 EA	\$2,079.62	\$2,079.62
570-1-1	PERFORMANCE TURF	2,420.00 SY	\$0.35	\$847.00
Drainage Component Total				\$1,865,218.48

INTERSECTIONS COMPONENT

Intersection 1

Description	Value
Mainline No. of Left Turn Lanes	2
Mainline No. of Right Turn Lanes	0
Mainline Design Speed	50
Cross Street Thru Lanes	3
Cross Street No. of Left Turn Lanes	2
Cross Street No. of Right Turn Lanes	1
Cross Street Design Speed	35
T-Intersection?	N
Multiplier	1
Description	Ellis Rd and John Rodes Blvd

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	2.36	AC	\$6,000.00	\$14,160.00
120-1	REGULAR EXCAVATION	1,712.73	CY	\$3.00	\$5,138.19
160-4	TYPE B STABILIZATION	1,489.22	SY	\$2.50	\$3,723.05
160-4	TYPE B STABILIZATION	4,135.36	SY	\$2.50	\$10,338.40
285-709	OPTIONAL BASE,BASE GROUP 09	1,489.22	SY	\$16.00	\$23,827.52
285-709	OPTIONAL BASE,BASE GROUP 09	4,135.36	SY	\$16.00	\$66,165.76
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	682.33	TN	\$85.00	\$57,998.05
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	245.72	TN	\$85.00	\$20,886.20
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	122.86	TN	\$100.00	\$12,286.00
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	341.17	TN	\$100.00	\$34,117.00
520-1-7	CONCRETE CURB & GUTTER, TYPE E	202.84	LF	\$12.72	\$2,580.12
520-1-10	CONCRETE CURB & GUTTER, TYPE F	946.00	LF	\$14.16	\$13,395.36
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	390.00	LF	\$23.44	\$9,141.60
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	780.00	LF	\$23.44	\$18,283.20
522-1	SIDEWALK CONC, 4" THICK	525.56	SY	\$33.93	\$17,832.25
522-2	SIDEWALK CONC, 6" THICK	173.89	SY	\$37.93	\$6,595.65
570-1-1	PERFORMANCE TURF	525.56	SY	\$0.35	\$183.95

Intersection 2

Description	Value
Mainline No. of Left Turn Lanes	2
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	Ellis Rd and Stan Dr

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.70	AC	\$6,000.00	\$4,200.00
120-1	REGULAR EXCAVATION	336.63	CY	\$3.00	\$1,009.89
160-4	TYPE B STABILIZATION	1,459.89	SY	\$2.50	\$3,649.73
160-4	TYPE B STABILIZATION	812.79	SY	\$2.50	\$2,031.98
285-709	OPTIONAL BASE,BASE GROUP 09	812.79	SY	\$16.00	\$13,004.64
285-709	OPTIONAL BASE,BASE GROUP 09	1,459.89	SY	\$16.00	\$23,358.24
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	134.11	TN	\$85.00	\$11,399.35
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	240.88	TN	\$85.00	\$20,474.80
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	67.06	TN	\$100.00	\$6,706.00
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	120.44	TN	\$100.00	\$12,044.00
520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42	LF	\$12.72	\$1,290.06
520-1-10	CONCRETE CURB & GUTTER, TYPE F	273.00	LF	\$14.16	\$3,865.68
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	780.00	LF	\$23.44	\$18,283.20
522-1	SIDEWALK CONC, 4" THICK	151.67	SY	\$33.93	\$5,146.16
522-2	SIDEWALK CONC, 6" THICK	86.94	SY	\$37.93	\$3,297.63
570-1-1	PERFORMANCE TURF	151.67	SY	\$0.35	\$53.08

Intersection 3

Description	Value
Mainline No. of Left Turn Lanes	2
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	Ellis Rd and East Dr

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.70	AC	\$6,000.00	\$4,200.00
120-1	REGULAR EXCAVATION	336.63	CY	\$3.00	\$1,009.89

160-4	TYPE B STABILIZATION	1,459.89 SY	\$2.50	\$3,649.73
160-4	TYPE B STABILIZATION	812.79 SY	\$2.50	\$2,031.98
285-709	OPTIONAL BASE,BASE GROUP 09	812.79 SY	\$16.00	\$13,004.64
285-709	OPTIONAL BASE,BASE GROUP 09	1,459.89 SY	\$16.00	\$23,358.24
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	134.11 TN	\$85.00	\$11,399.35
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	240.88 TN	\$85.00	\$20,474.80
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	120.44 TN	\$100.00	\$12,044.00
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	67.06 TN	\$100.00	\$6,706.00
520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42 LF	\$12.72	\$1,290.06
520-1-10	CONCRETE CURB & GUTTER, TYPE F	273.00 LF	\$14.16	\$3,865.68
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	780.00 LF	\$23.44	\$18,283.20
522-1	SIDEWALK CONC, 4" THICK	151.67 SY	\$33.93	\$5,146.16
522-2	SIDEWALK CONC, 6" THICK	86.94 SY	\$37.93	\$3,297.63
570-1-1	PERFORMANCE TURF	151.67 SY	\$0.35	\$53.08

Intersection 4

Description	Value
Mainline No. of Left Turn Lanes	2
Mainline No. of Right Turn Lanes	0
Mainline Design Speed	50
Cross Street Thru Lanes	3
Cross Street No. of Left Turn Lanes	1
Cross Street No. of Right Turn Lanes	0
Cross Street Design Speed	35
T-Intersection?	N
Multiplier	1
Description	Ellis Rd and Technology (West)

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	2.36	AC	\$6,000.00	\$14,160.00
120-1	REGULAR EXCAVATION	1,423.92	CY	\$3.00	\$4,271.76
160-4	TYPE B STABILIZATION	1,489.22	SY	\$2.50	\$3,723.05
160-4	TYPE B STABILIZATION	3,438.03	SY	\$2.50	\$8,595.08
285-709	OPTIONAL BASE,BASE GROUP 09	3,438.03	SY	\$16.00	\$55,008.48
285-709	OPTIONAL BASE,BASE GROUP 09	1,489.22	SY	\$16.00	\$23,827.52
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	245.72	TN	\$85.00	\$20,886.20
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	567.27	TN	\$85.00	\$48,217.95
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	122.86	TN	\$100.00	\$12,286.00
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	283.64	TN	\$100.00	\$28,364.00
520-1-7	CONCRETE CURB & GUTTER, TYPE E	202.84	LF	\$12.72	\$2,580.12
520-1-10	CONCRETE CURB & GUTTER, TYPE F	946.00	LF	\$14.16	\$13,395.36
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	195.00	LF	\$23.44	\$4,570.80

520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	780.00 LF	\$23.44	\$18,283.20
522-1	SIDEWALK CONC, 4" THICK	525.56 SY	\$33.93	\$17,832.25
522-2	SIDEWALK CONC, 6" THICK	173.89 SY	\$37.93	\$6,595.65
570-1-1	PERFORMANCE TURF	525.56 SY	\$0.35	\$183.95

Intersection 5

Description	Value
Mainline No. of Left Turn Lanes	2
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	Ellis Rd and Distribution Dr

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.70	AC	\$6,000.00	\$4,200.00
120-1	REGULAR EXCAVATION	336.63	CY	\$3.00	\$1,009.89
160-4	TYPE B STABILIZATION	1,459.89	SY	\$2.50	\$3,649.73
160-4	TYPE B STABILIZATION	812.79	SY	\$2.50	\$2,031.98
285-709	OPTIONAL BASE,BASE GROUP 09	1,459.89	SY	\$16.00	\$23,358.24
285-709	OPTIONAL BASE,BASE GROUP 09	812.79	SY	\$16.00	\$13,004.64
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	240.88	TN	\$85.00	\$20,474.80
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	134.11	TN	\$85.00	\$11,399.35
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	67.06	TN	\$100.00	\$6,706.00
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	120.44	TN	\$100.00	\$12,044.00
520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42	LF	\$12.72	\$1,290.06
520-1-10	CONCRETE CURB & GUTTER, TYPE F	273.00	LF	\$14.16	\$3,865.68
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	780.00	LF	\$23.44	\$18,283.20
522-1	SIDEWALK CONC, 4" THICK	151.67	SY	\$33.93	\$5,146.16
522-2	SIDEWALK CONC, 6" THICK	86.94	SY	\$37.93	\$3,297.63
570-1-1	PERFORMANCE TURF	151.67	SY	\$0.35	\$53.08

Intersection 6

Description	Value
Mainline No. of Left Turn Lanes	2
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	Ellis Rd and Technology (East)

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.70	AC	\$6,000.00	\$4,200.00
120-1	REGULAR EXCAVATION	336.63	CY	\$3.00	\$1,009.89
160-4	TYPE B STABILIZATION	1,459.89	SY	\$2.50	\$3,649.73
160-4	TYPE B STABILIZATION	812.79	SY	\$2.50	\$2,031.98
285-709	OPTIONAL BASE,BASE GROUP 09	1,459.89	SY	\$16.00	\$23,358.24
285-709	OPTIONAL BASE,BASE GROUP 09	812.79	SY	\$16.00	\$13,004.64
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	240.88	TN	\$85.00	\$20,474.80
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	134.11	TN	\$85.00	\$11,399.35
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	67.06	TN	\$100.00	\$6,706.00
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	120.44	TN	\$100.00	\$12,044.00
520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42	LF	\$12.72	\$1,290.06
520-1-10	CONCRETE CURB & GUTTER, TYPE F	273.00	LF	\$14.16	\$3,865.68
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	780.00	LF	\$23.44	\$18,283.20
522-1	SIDEWALK CONC, 4" THICK	151.67	SY	\$33.93	\$5,146.16
522-2	SIDEWALK CONC, 6" THICK	86.94	SY	\$37.93	\$3,297.63
570-1-1	PERFORMANCE TURF	151.67	SY	\$0.35	\$53.08

Intersection 7

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	Ellis Rd and Shinn Ave

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.70	AC	\$6,000.00	\$4,200.00
120-1	REGULAR EXCAVATION	336.63	CY	\$3.00	\$1,009.89
160-4	TYPE B STABILIZATION	906.56	SY	\$2.50	\$2,266.40
160-4	TYPE B STABILIZATION	812.79	SY	\$2.50	\$2,031.98
285-709	OPTIONAL BASE,BASE GROUP 09	906.56	SY	\$16.00	\$14,504.96
285-709	OPTIONAL BASE,BASE GROUP 09	812.79	SY	\$16.00	\$13,004.64
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	149.58	TN	\$85.00	\$12,714.30
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	134.11	TN	\$85.00	\$11,399.35
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	67.06	TN	\$100.00	\$6,706.00
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	74.79	TN	\$100.00	\$7,479.00

520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42 LF	\$12.72	\$1,290.06
520-1-10	CONCRETE CURB & GUTTER, TYPE F	273.00 LF	\$14.16	\$3,865.68
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	390.00 LF	\$23.44	\$9,141.60
522-1	SIDEWALK CONC, 4" THICK	151.67 SY	\$33.93	\$5,146.16
522-2	SIDEWALK CONC, 6" THICK	86.94 SY	\$37.93	\$3,297.63
570-1-1	PERFORMANCE TURF	151.67 SY	\$0.35	\$53.08

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	Ellis Rd and Lake Ibis Dr

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.70 AC	\$6,000.00	\$4,200.00
120-1	REGULAR EXCAVATION	336.63 CY	\$3.00	\$1,009.89
160-4	TYPE B STABILIZATION	906.56 SY	\$2.50	\$2,266.40
160-4	TYPE B STABILIZATION	812.79 SY	\$2.50	\$2,031.98
285-709	OPTIONAL BASE,BASE GROUP 09	906.56 SY	\$16.00	\$14,504.96
285-709	OPTIONAL BASE,BASE GROUP 09	812.79 SY	\$16.00	\$13,004.64
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	149.58 TN	\$85.00	\$12,714.30
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	134.11 TN	\$85.00	\$11,399.35
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	67.06 TN	\$100.00	\$6,706.00
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	74.79 TN	\$100.00	\$7,479.00
520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42 LF	\$12.72	\$1,290.06
520-1-10	CONCRETE CURB & GUTTER, TYPE F	273.00 LF	\$14.16	\$3,865.68
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	390.00 LF	\$23.44	\$9,141.60
522-1	SIDEWALK CONC, 4" THICK	151.67 SY	\$33.93	\$5,146.16
522-2	SIDEWALK CONC, 6" THICK	86.94 SY	\$37.93	\$3,297.63
570-1-1	PERFORMANCE TURF	151.67 SY	\$0.35	\$53.08
Intersections Component Total				\$1,314,912.89

SIGNING COMPONENT**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
700-20-11	SINGLE POST SIGN, F&I, LESS	37.00 AS	\$256.36	\$9,485.32

	THAN 12 SF			
700-20-12	SINGLE POST SIGN, F&I, 12-20 SF	4.00 AS	\$763.07	\$3,052.28
700-21-11	MULTI- POST SIGN, F&I, 50 OR <	4.00 AS	\$3,424.72	\$13,698.88
700-21-12	MULTI- POST SIGN, F&I, 51-100	4.00 AS	\$3,620.87	\$14,483.48
Signing Component Total				\$40,719.96

SIGNALIZATIONS COMPONENT

Signalization 1

Description	Value
Type	4 Lane Mast Arm
Multiplier	1
Description	Ellis Rd and John Rodes Blvd

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-1-12	CONDUIT-SIGNALS, F& I, UNDERGROUND	750.00	LF	\$4.17	\$3,127.50
630-1-14	CONDUIT-SIGNALS,F& I, UG JACKED	250.00	LF	\$9.91	\$2,477.50
632-7-1	CABLE, SIGNAL, FURNISH & INSTALL	1.00	PI	\$2,138.17	\$2,138.17
635-1-11	PULL & JUNCTION BOXES, F&I, PULL BOX	16.00	EA	\$299.13	\$4,786.08
639-1-22	SIGNAL,ELECT POWER SERV,UG,PUR CONT	1.00	AS	\$1,745.25	\$1,745.25
639-2-1	SIGNAL,ELECTRICAL SERVICE WIRE	60.00	LF	\$2.13	\$127.80
649-31-103	M/ARM,F&I, WS-150,SINGLE ARM,W/O LUM-60	4.00	EA	\$21,853.12	\$87,412.48
650-51-311	TRAFFIC SIGNAL, F&I, 3 SECT, 1 WAY, STD	12.00	AS	\$602.83	\$7,233.96
653-191	PEDESTRIAN SIGNAL, F&I, LED-COUNT DWN, 1	8.00	AS	\$537.27	\$4,298.16
659-101	SGNL HEAD AUXIL, F&I, BACK PLT 3 SECT	12.00	EA	\$106.25	\$1,275.00
659-109	SGNL HEAD AUXIL, F&I, CONC PED TYP II	1.00	EA	\$748.15	\$748.15
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	12.00	EA	\$121.84	\$1,462.08
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	12.00	AS	\$621.32	\$7,455.84
665-11	PED DET, F&I, DET STA POLE OR CAB MTD	8.00	EA	\$157.59	\$1,260.72
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00	AS	\$19,675.06	\$19,675.06
700-48-19	SIGN PANELS, F & I, 16 - 100	4.00	EA	\$554.36	\$2,217.44

Signalization 2

Description	Value
Type	4 Lane Mast Arm
Multiplier	1
Description	Ellis Rd and East Dr

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-1-12	CONDUIT-SIGNALS, F& I, UNDERGROUND	750.00	LF	\$4.17	\$3,127.50
630-1-14	CONDUIT-SIGNALS,F& I, UG JACKED	250.00	LF	\$9.91	\$2,477.50
632-7-1	CABLE, SIGNAL, FURNISH & INSTALL	1.00	PI	\$2,138.17	\$2,138.17
635-1-11	PULL & JUNCTION BOXES, F&I, PULL BOX	16.00	EA	\$299.13	\$4,786.08
639-1-22	SIGNAL,ELECT POWER SERV,UG,PUR CONT	1.00	AS	\$1,745.25	\$1,745.25
639-2-1	SIGNAL,ELECTRICAL SERVICE WIRE	60.00	LF	\$2.13	\$127.80
649-31-103	M/ARM,F&I, WS-150,SINGLE ARM,W/O LUM-60	4.00	EA	\$21,853.12	\$87,412.48
650-51-311	TRAFFIC SIGNAL, F&I, 3 SECT, 1 WAY, STD	12.00	AS	\$602.83	\$7,233.96
653-191	PEDESTRIAN SIGNAL, F&I, LED-COUNT DWN, 1	8.00	AS	\$537.27	\$4,298.16
659-101	SGNL HEAD AUXIL, F&I, BACK PLT 3 SECT	12.00	EA	\$106.25	\$1,275.00
659-109	SGNL HEAD AUXIL, F&I, CONC PED TYP II	1.00	EA	\$748.15	\$748.15
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	12.00	EA	\$121.84	\$1,462.08
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	12.00	AS	\$621.32	\$7,455.84
665-11	PED DET, F&I, DET STA POLE OR CAB MTD	8.00	EA	\$157.59	\$1,260.72
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00	AS	\$19,675.06	\$19,675.06
700-48-19	SIGN PANELS, F & I, 16 - 100	4.00	EA	\$554.36	\$2,217.44

Signalization 3**Description**

Type

Multiplier

Description

Value

4 Lane Mast Arm

1

Ellis Rd and Technology Dr
(East)**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-1-12	CONDUIT-SIGNALS, F& I, UNDERGROUND	750.00	LF	\$4.17	\$3,127.50
630-1-14	CONDUIT-SIGNALS,F& I, UG JACKED	250.00	LF	\$9.91	\$2,477.50
632-7-1	CABLE, SIGNAL, FURNISH & INSTALL	1.00	PI	\$2,138.17	\$2,138.17
635-1-11	PULL & JUNCTION BOXES, F&I, PULL BOX	16.00	EA	\$299.13	\$4,786.08
639-1-22	SIGNAL,ELECT POWER SERV,UG,PUR CONT	1.00	AS	\$1,745.25	\$1,745.25
639-2-1	SIGNAL,ELECTRICAL SERVICE WIRE	60.00	LF	\$2.13	\$127.80
649-31-103	M/ARM,F&I, WS-150,SINGLE ARM,W/O LUM-60	4.00	EA	\$21,853.12	\$87,412.48
650-51-311	TRAFFIC SIGNAL, F&I, 3 SECT, 1 WAY, STD	12.00	AS	\$602.83	\$7,233.96

653-191	PEDESTRIAN SIGNAL, F&I, LED-COUNT DWN, 1	8.00 AS	\$537.27	\$4,298.16
659-101	SGNL HEAD AUXIL, F&I, BACK PLT 3 SECT	12.00 EA	\$106.25	\$1,275.00
659-109	SGNL HEAD AUXIL, F&I, CONC PED TYP II	1.00 EA	\$748.15	\$748.15
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	12.00 EA	\$121.84	\$1,462.08
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	12.00 AS	\$621.32	\$7,455.84
665-11	PED DET, F&I, DET STA POLE OR CAB MTD	8.00 EA	\$157.59	\$1,260.72
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00 AS	\$19,675.06	\$19,675.06
700-48-19	SIGN PANELS, F & I, 16 - 100	4.00 EA	\$554.36	\$2,217.44
Signalizations Component Total				\$442,323.57

LIGHTING COMPONENT

Conventional Lighting Subcomponent

Description		Value			
Spacing		MIN			
Pay Items					
Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	29,219.12	LF	\$1.75	\$51,133.46
715-2-11	LIGHTING-CONDUIT, F&I, UNDERGROUND	8,000.26	LF	\$2.60	\$20,800.68
715-2-12	LIGHTING-CONDUIT, F&I, UNDER EXIST PVMT	1,587.93	LF	\$9.79	\$15,545.83
715-14-11	LIGHTING - PULL BOX,F&I,ROADSIDE-MOULDED	54.00	EA	\$276.04	\$14,906.16
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	54.00	EA	\$302.85	\$16,353.90
715-511-140	LIGHT POLE COMP,F&I,SGL ARM SM, AL,40'	54.00	EA	\$4,000.00	\$216,000.00
Subcomponent Total					\$334,740.03
Lighting Component Total					\$334,740.03

Sequence 1 Total	\$7,608,252.38
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Sequence: 2NUR - New Construction, Undivided, Rural**Net Length:** 1.240 MI
6,549 LF**Description:** Turn lanes on Ellis Rd**ROADWAY COMPONENT****User Input Data**

Description	Value
Number of Lanes	1
Roadway Pavement Width L/R	0.00 / 12.00
Structural Spread Rate	275
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	23,284.57 SY	\$2.50	\$58,211.42
285-709	OPTIONAL BASE,BASE GROUP 09	8,971.83 SY	\$16.00	\$143,549.28
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,200.61 TN	\$85.00	\$102,051.85
337-7-33	ASPH CONC FC,TRAFFIC C,FC- 12.5,RUBBER	720.37 TN	\$100.00	\$72,037.00

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	1
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	0

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
710-11-111	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	2.48 NM	\$781.38	\$1,937.82

Roadway Component Total

\$377,787.37

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	3.00 AS	\$256.36	\$769.08
700-20-12	SINGLE POST SIGN, F&I, 12-20 SF	25.00 AS	\$763.07	\$19,076.75
700-21-11	MULTI- POST SIGN, F&I, 50 OR <	3.00 AS	\$3,424.72	\$10,274.16

Signing Component Total

\$30,119.99

Sequence 2 Total

\$407,907.36

Date: 10/2/2012 1:37:14 PM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 426905-1-52-01

Letting Date: 01/2099

Description: I-95 @ ELLIS ROAD ST JOHNS HERITAGE PARKWAY INTERCHANGE STUDY

District: 05 County: 70 BREVARD Market Area: 08 Units: English

Contract Class: 4 Lump Sum Project: N Design/Build: N Project Length: 2.083 MI

Project Manager: MIM

Version 2 Project Grand Total

\$9,796,548.81

Description: I-95 @ ELLIS ROAD ST JOHNS HERITAGE PARKWAY INTERCHANGE STUDY STANDARD
URBAN 45 MPH

Project Sequences Subtotal **\$8,016,159.74**

102-1	Maintenance of Traffic	10.00 %	\$801,615.97
101-1	Mobilization	10.00 %	\$881,777.57

Project Sequences Total **\$9,699,553.28**

Project Unknowns	0.00 %	\$0.00
Design/Build	0.00 %	\$0.00

Non-Bid Components:

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
999-25	INITIAL CONTINGENCY AMOUNT (DO NOT BID)		LS	\$96,995.53	\$96,995.53

Project Non-Bid Subtotal **\$96,995.53**
Version 2 Project Grand Total **\$9,796,548.81**