APPENDIX C
LONG RANGE ESTIMATES (LRE)

Date: 9/1/2020 9:32:30 AM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 436292-1-22-01 **Letting Date:** 01/2099

Description: I-95 INTERCHANGE AT PIONEER TRAIL

District: 05 **County:** 79 VOLUSIA **Market Area:** 06 **Units:** English
Contract Class: 1 **Lump Sum Project:** N **Design/Build:** N **Project Length:** 2.000 MI

Project Manager: HJG

Version 10 Project Grand Total **$39,948,619.72**
Description: I-95 INTERCHANGE AT PIONEER TRAIL - Alternative 1 - Diamond Interchange (Updated by KNSTERR on 08/28/2020) MF

Sequence: 1 NDU - New Construction, Divided, Urban **Net Length:** 1.189 MI
6,280 LF

Description: Pioneer Trail from begin project to end project (without bridge)

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	60.00 / 60.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	1.189
Top of Structural Course For Begin Section	104.00
Top of Structural Course For End Section	104.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	4.00 % / 4.00 %
Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	17.29	AC	$10,000.00	$172,900.00
120-6	EMBANKMENT	141,155.54	CY	$9.00	$1,270,399.86
	Earthwork Component Total				$1,443,299.86

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	4
Roadway Pavement Width L/R	29.00 / 29.00
Structural Spread Rate	220
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	47,672.42	SY	$4.50	$214,525.89
285-709	OPTIONAL BASE,BASE GROUP 09	40,471.32	SY	$16.50	$667,776.78
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	4,451.84	TN	$97.00	$431,828.48
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	3,338.88	TN	$120.00	$400,665.60

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
515-2-313	PED/BICYCLE RAILING,ALUM, 42" TYPE 3	1,840.00	LF	$114.85	$211,324.00
536-1-1	GUARDRAIL- ROADWAY, GEN TL-3	1,840.00	LF	$19.43	$35,751.20

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/RAISED PAVEMENT MARKERS	482.00	EA	$5.25	$2,530.50
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	9.52	GM	$1,144.50	$10,895.64
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	4.76	GM	$484.00	$2,303.84
	Roadway Component Total				$1,977,601.93

SHOULDER COMPONENT

User Input Data

Description	Value
Total Outside Shoulder Width L/R	20.25 / 20.25
Total Outside Shoulder Perf. Turf Width L/R	10.00 / 13.00
Sidewalk Width L/R	8.00 / 5.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	6,280.03	LF	$26.25	$164,850.79
520-1-10	CONCRETE CURB & GUTTER, TYPE F	6,280.03	LF	$26.25	$164,850.79
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	9,071.16	SY	$59.79	$542,364.66
570-1-2	PERFORMANCE TURF, SOD	16,048.97	SY	$3.72	$59,702.17

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount

521-8-7	CONC BARRIER, W/JUNCT SL, 36 SS	1,470.00 LF	$265.58	$390,402.60

Erosion Control

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	12,560.06 LF	$1.80	$22,608.11
104-11	FLOATING TURBIDITY BARRIER	297.35 LF	$11.95	$3,553.33
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	297.35 LF	$7.61	$2,262.83
104-15	SOIL TRACKING PREVENTION DEVICE	2.00 EA	$1,968.81	$3,937.62
104-18	INLET PROTECTION SYSTEM	61.00 EA	$125.25	$7,640.25
107-1	LITTER REMOVAL	30.27 AC	$64.35	$1,947.87
107-2	MOWING	30.27 AC	$67.77	$2,051.40
	Shoulder Component Total			$1,366,172.42

MEDIAN COMPONENT

User Input Data

Description	Value
Total Median Width	38.50
Performance Turf Width	34.00

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
520-1-7	CONCRETE CURB & GUTTER, TYPE E	12,560.06 LF	$21.65	$271,925.30
570-1-1	PERFORMANCE TURF	23,724.57 SY	$1.75	$41,518.00
	Median Component Total			$313,443.30

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
425-1-351	INLETS, CURB, TYPE P-5, <10'	43.00 EA	$5,792.24	$249,066.32
425-1-451	INLETS, CURB, TYPE J-5, <10'	12.00 EA	$6,050.84	$72,610.08
425-1-521	INLETS, DT BOT, TYPE C, <10'	6.00 EA	$4,071.97	$24,431.82
425-2-41	MANHOLES, P-7, <10'	6.00 EA	$4,986.59	$29,919.54
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	3,152.00 LF	$114.50	$360,904.00
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	280.00 LF	$185.53	$51,948.40
430-175-148	PIPE CULV, OPT MATL, ROUND, 48"S/CD	5,952.00 LF	$199.37	$1,186,650.24
570-1-1	PERFORMANCE TURF	361.58 SY	$1.75	$632.76

Box Culvert 1

Description	Value
Size	Dbl. 8 x 5
Length	40.00
Multiplier	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-4-1	CONC CLASS IV, CULVERTS	155.60	CY	$1,200.73	$186,833.59
415-1-1	REINF STEEL- ROADWAY	21,236.00	LB	$1.00	$21,236.00
	Drainage Component Total				$2,184,232.76

INTERSECTIONS COMPONENT

Intersection 1

Description	Value
Mainline No. of Left Turn Lanes	1
Mainline No. of Right Turn Lanes	1
Mainline Design Speed	45
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	40
T-Intersection?	Y
Multiplier	1
Description	Williamson Blvd.

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.23	AC	$10,000.00	$12,300.00
120-1	REGULAR EXCAVATION	798.47	CY	$7.50	$5,988.52
160-4	TYPE B STABILIZATION	1,496.14	SY	$4.50	$6,732.63
160-4	TYPE B STABILIZATION	1,927.90	SY	$4.50	$8,675.55
285-709	OPTIONAL BASE,BASE GROUP 09	1,496.14	SY	$16.50	$24,686.31
285-709	OPTIONAL BASE,BASE GROUP 09	1,927.90	SY	$16.50	$31,810.35
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	246.86	TN	$97.00	$23,945.42
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	318.10	TN	$97.00	$30,855.70
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	123.43	TN	$120.00	$14,811.60
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	159.05	TN	$120.00	$19,086.00
520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42	LF	$21.65	$2,195.74
520-1-10	CONCRETE CURB & GUTTER, TYPE F	493.00	LF	$26.25	$12,941.25
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	205.00	LF	$60.58	$12,418.90
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	335.00	LF	$60.58	$20,294.30
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	273.89	SY	$59.79	$16,375.88
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	86.94	SY	$52.72	$4,583.48
570-1-1	PERFORMANCE TURF	273.89	SY	$1.75	$479.31

Intersection 2

Description	Value
Mainline No. of Left Turn Lanes	2

Mainline No. of Right Turn Lanes		1
Mainline Design Speed		45
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		40
T-Intersection?		N
Multiplier		1
Description	I-95 SB Ramp Terminal	

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	2.46	AC	$10,000.00	$24,600.00
120-1	REGULAR EXCAVATION	1,297.09	CY	$7.50	$9,728.18
160-4	TYPE B STABILIZATION	1,976.14	SY	$4.50	$8,892.63
160-4	TYPE B STABILIZATION	3,131.81	SY	$4.50	$14,093.14
285-709	OPTIONAL BASE,BASE GROUP 09	1,976.14	SY	$16.50	$32,606.31
285-709	OPTIONAL BASE,BASE GROUP 09	3,131.81	SY	$16.50	$51,674.86
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	326.06	TN	$97.00	$31,627.82
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	516.75	TN	$97.00	$50,124.75
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	163.03	TN	$120.00	$19,563.60
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	258.37	TN	$120.00	$31,004.40
520-1-7	CONCRETE CURB & GUTTER, TYPE E	202.84	LF	$21.65	$4,391.49
520-1-10	CONCRETE CURB & GUTTER, TYPE F	986.00	LF	$26.25	$25,882.50
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	670.00	LF	$60.58	$40,588.60
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	205.00	LF	$60.58	$12,418.90
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	547.78	SY	$59.79	$32,751.77
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	173.89	SY	$52.72	$9,167.48
570-1-1	PERFORMANCE TURF	547.78	SY	$1.75	$958.62

Intersection 3

Description	Value
Mainline No. of Left Turn Lanes	2
Mainline No. of Right Turn Lanes	1
Mainline Design Speed	45
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	40
T-Intersection?	N
Multiplier	1
Description	I-95 NB Ramp Terminal

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	2.46	AC	$10,000.00	$24,600.00
120-1	REGULAR EXCAVATION	1,297.09	CY	$7.50	$9,728.18

160-4	TYPE B STABILIZATION	1,976.14 SY	$4.50	$8,892.63
160-4	TYPE B STABILIZATION	3,131.81 SY	$4.50	$14,093.14
285-709	OPTIONAL BASE,BASE GROUP 09	1,976.14 SY	$16.50	$32,606.31
285-709	OPTIONAL BASE,BASE GROUP 09	3,131.81 SY	$16.50	$51,674.86
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	326.06 TN	$97.00	$31,627.82
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	516.75 TN	$97.00	$50,124.75
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	163.03 TN	$120.00	$19,563.60
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	258.37 TN	$120.00	$31,004.40
520-1-7	CONCRETE CURB & GUTTER, TYPE E	202.84 LF	$21.65	$4,391.49
520-1-10	CONCRETE CURB & GUTTER, TYPE F	986.00 LF	$26.25	$25,882.50
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	670.00 LF	$60.58	$40,588.60
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	205.00 LF	$60.58	$12,418.90
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	547.78 SY	$59.79	$32,751.77
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	173.89 SY	$52.72	$9,167.48
570-1-1	PERFORMANCE TURF	547.78 SY	$1.75	$958.62

Intersection 4

Description	Value
Mainline No. of Left Turn Lanes	1
Mainline No. of Right Turn Lanes	0
Mainline Design Speed	45
Cross Street Thru Lanes	3
Cross Street No. of Left Turn Lanes	1
Cross Street No. of Right Turn Lanes	1
Cross Street Design Speed	35
T-Intersection?	Y
Multiplier	1
Description	Turnbull Bay Road

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.18 AC	$10,000.00	$11,800.00
120-1	REGULAR EXCAVATION	917.11 CY	$7.50	$6,878.33
160-4	TYPE B STABILIZATION	1,149.47 SY	$4.50	$5,172.62
160-4	TYPE B STABILIZATION	2,214.35 SY	$4.50	$9,964.58
285-709	OPTIONAL BASE,BASE GROUP 09	1,149.47 SY	$16.50	$18,966.26
285-709	OPTIONAL BASE,BASE GROUP 09	2,214.35 SY	$16.50	$36,536.78
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	189.66 TN	$97.00	$18,397.02
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	365.37 TN	$97.00	$35,440.89
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	94.83 TN	$120.00	$11,379.60
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	182.68 TN	$120.00	$21,921.60
520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42 LF	$21.65	$2,195.74

520-1-10	CONCRETE CURB & GUTTER, TYPE F	473.00 LF	$26.25	$12,416.25
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	335.00 LF	$60.58	$20,294.30
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	195.00 LF	$60.58	$11,813.10
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	262.78 SY	$59.79	$15,711.62
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	86.94 SY	$52.72	$4,583.48
570-1-1	PERFORMANCE TURF	262.78 SY	$1.75	$459.86
	Intersections Component Total			$1,292,263.13

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	29.00 AS	$348.00	$10,092.00
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	3.00 AS	$1,273.50	$3,820.50
700-2-15	MULTI- POST SIGN, F&I GM, 51-100 SF	3.00 AS	$6,032.75	$18,098.25
700-2-16	MULTI- POST SIGN, F&I GM, 101-200 SF	3.00 AS	$8,067.00	$24,201.00
	Signing Component Total			$56,211.75

SIGNALIZATIONS COMPONENT

Signalization 1

Description	Value
Type	2 Lane Mast Arm
Multiplier	3
Description	Williamson Blvd. T-Intersection

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	2,400.00 LF	$8.25	$19,800.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	600.00 LF	$20.00	$12,000.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	3.00 PI	$6,554.50	$19,663.50
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	36.00 EA	$707.50	$25,470.00
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	3.00 AS	$2,714.00	$8,142.00
639-2-1	ELECTRICAL SERVICE WIRE, F&I	180.00 LF	$5.00	$900.00
649-21-4	STEEL MAST ARM ASSEMBLY, F&I, 40'- 30'	12.00 EA	$42,475.00	$509,700.00
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	24.00 AS	$997.00	$23,928.00
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	24.00 AS	$608.00	$14,592.00
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	24.00 EA	$323.25	$7,758.00
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	24.00 AS	$1,061.00	$25,464.00
665-1-11		24.00 EA	$238.25	$5,718.00

	PEDESTRIAN DETECTOR, F&I, STANDARD			
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	3.00 AS	$29,000.00	$87,000.00
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	12.00 EA	$157.50	$1,890.00

Signalization 2

Description	Value
Type	4 Lane Mast Arm
Multiplier	2
Description	I-95 NB and SB Ramp Terminals along Pioneer Trail

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,500.00 LF	$8.25	$12,375.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	500.00 LF	$20.00	$10,000.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	2.00 PI	$6,554.50	$13,109.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	32.00 EA	$707.50	$22,640.00
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	2.00 AS	$2,714.00	$5,428.00
639-2-1	ELECTRICAL SERVICE WIRE, F&I	120.00 LF	$5.00	$600.00
649-21-10	STEEL MAST ARM ASSEMBLY, F&I, 60'	8.00 EA	$43,148.00	$345,184.00
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	24.00 AS	$997.00	$23,928.00
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	16.00 AS	$608.00	$9,728.00
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	24.00 EA	$323.25	$7,758.00
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	24.00 AS	$1,061.00	$25,464.00
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	16.00 EA	$238.25	$3,812.00
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	2.00 AS	$29,000.00	$58,000.00
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	8.00 EA	$157.50	$1,260.00

Signalization 3

Description	Value
Type	2 Lane Mast Arm
Multiplier	4
Description	I-95 NB and SB Ramp Terminals

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	3,200.00 LF	$8.25	$26,400.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	800.00 LF	$20.00	$16,000.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	4.00 PI	$6,554.50	$26,218.00

635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	48.00 EA	$707.50	$33,960.00
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	4.00 AS	$2,714.00	$10,856.00
639-2-1	ELECTRICAL SERVICE WIRE, F&I	240.00 LF	$5.00	$1,200.00
649-21-4	STEEL MAST ARM ASSEMBLY, F&I, 40'- 30'	16.00 EA	$42,475.00	$679,600.00
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	32.00 AS	$997.00	$31,904.00
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	32.00 AS	$608.00	$19,456.00
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	32.00 EA	$323.25	$10,344.00
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	32.00 AS	$1,061.00	$33,952.00
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	32.00 EA	$238.25	$7,624.00
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	4.00 AS	$29,000.00	$116,000.00
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	16.00 EA	$157.50	$2,520.00

Signalization 4

Description	Value
Type	2 Lane Mast Arm
Multiplier	3
Description	Turnbull Bay Road T-Intersection

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	2,400.00 LF	$8.25	$19,800.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	600.00 LF	$20.00	$12,000.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	3.00 PI	$6,554.50	$19,663.50
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	36.00 EA	$707.50	$25,470.00
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	3.00 AS	$2,714.00	$8,142.00
639-2-1	ELECTRICAL SERVICE WIRE, F&I	180.00 LF	$5.00	$900.00
649-21-4	STEEL MAST ARM ASSEMBLY, F&I, 40'- 30'	12.00 EA	$42,475.00	$509,700.00
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	24.00 AS	$997.00	$23,928.00
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	24.00 AS	$608.00	$14,592.00
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	24.00 EA	$323.25	$7,758.00
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	24.00 AS	$1,061.00	$25,464.00
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	24.00 EA	$238.25	$5,718.00
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	3.00 AS	$29,000.00	$87,000.00
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	12.00 EA	$157.50	$1,890.00
	Signalizations Component Total			$3,079,371.00

INTELLIGENT TRAFFIC SYSTEM (ITS) COMPONENT

Description of Work

EX-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
1	ITS - ALL ITEMS	1.12	MI	$150,000.00	$168,000.00
	Intelligent Traffic System (ITS) Component Total				$168,000.00

LIGHTING COMPONENT

Conventional Lighting Subcomponent

Description	Value
Spacing	MIN

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	6,280.03	LF	$8.25	$51,810.25
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	1,246.49	LF	$20.00	$24,929.80
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	42.00	EA	$707.50	$29,715.00
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	22,936.39	LF	$2.17	$49,771.97
715-4-13	LIGHT POLE COMPLETE, F&I-STD, 40'	42.00	EA	$6,146.33	$258,145.86
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	42.00	EA	$564.26	$23,698.92
	Subcomponent Total				$438,071.79
	Lighting Component Total				$438,071.80

RETAINING WALLS COMPONENT

Retaining Wall 1

Description	Value
Length	1,350.00
Begin height	8.00
End Height	8.00
Multiplier	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	10,800.00	SF	$29.15	$314,820.00

Retaining Wall 2

Description	Value
Length	640.00
Begin height	8.00
End Height	8.00
Multiplier	1

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	5,120.00 SF	$29.15	$149,248.00
	Retaining Walls Component Total			$464,068.00

Sequence 1 Total $12,782,735.95

Sequence: 2 NDU - New Construction, Divided, Urban **Net Length:** 0.064 MI
337 LF

Description: Pioneer Trail Bridge at I-95

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	68.50 / 68.50
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.064
Top of Structural Course For Begin Section	105.00
Top of Structural Course For End Section	105.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	4.00 % / 4.00 %
Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.06 AC	$10,000.00	$10,600.00
	Earthwork Component Total			$10,600.00

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

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
550-10-344	FENCING, TYPE R, 7.1-8.0, W/PART ENCLOS	556.00 LF	$122.67	$68,204.52

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	Y
Pavement Type	Concrete
Solid Stripe No. of Paint Applications	0
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	0
Skip Stripe No. of Stripes	2

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	26.00 EA	$5.25	$136.50
711-16-101		0.26 GM	$8,500.00	$2,210.00

	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"			
711-16-131	THERMOPLASTIC, STD-OTH, WHITE, SKIP, 6"	0.13 GM	$3,500.00	$455.00
	Roadway Component Total			$71,006.02

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
570-1-2	PERFORMANCE TURF, SOD	374.29 SY	$3.72	$1,392.36
	Shoulder Component Total			$1,392.36

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	2.00 AS	$348.00	$696.00
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	1.00 AS	$1,273.50	$1,273.50
700-2-15	MULTI- POST SIGN, F&I GM, 51-100 SF	1.00 AS	$6,032.75	$6,032.75
700-2-16	MULTI- POST SIGN, F&I GM, 101-200 SF	1.00 AS	$8,067.00	$8,067.00
	Signing Component Total			$16,069.25

LIGHTING COMPONENT

Conventional Lighting Subcomponent

Description	Value
Spacing	MIN

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	336.86 LF	$8.25	$2,779.10
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	66.86 LF	$20.00	$1,337.20
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	3.00 EA	$707.50	$2,122.50
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	1,230.32 LF	$2.17	$2,669.79
715-4-13	LIGHT POLE COMPLETE, F&I-STD, 40'	3.00 EA	$6,146.33	$18,438.99
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	3.00 EA	$564.26	$1,692.78
	Subcomponent Total			$29,040.36

Lighting Component Total	$29,040.36

BRIDGES COMPONENT

Bridge PION95

Description		**Value**
Estimate Type		SF Estimate
Primary Estimate		YES
Length (LF)		337.00
Width (LF)		137.00
Type		Low Level
Cost Factor		1.00
Structure No.		
Removal of Existing Structures area		11,655.00
Default Cost per SF		$135.00
Factored Cost per SF		$135.00
Final Cost per SF		**$138.94**
Basic Bridge Cost		**$6,232,815.00**
Description	PIONEER TRAIL AT I-95	

Bridge Pay Items

Pay item	**Description**	**Quantity Unit**	**Unit Price**	**Extended Amount**
110-3	REMOVAL OF EXISTING STRUCTURES/BRIDGES	11,655.00 SF	$20.00	$233,100.00
400-2-10	CONC CLASS II, APPROACH SLABS	304.44 CY	$422.75	$128,702.01
415-1-9	REINF STEEL- APPROACH SLABS	53,277.00 LB	$1.00	$53,277.00
	Bridge PION95 Total			$6,647,894.01
	Bridges Component Total			$6,647,894.01

Sequence 2 Total	$6,776,002.00

Sequence: 3 NUR - New Construction, Undivided, Rural **Net Length:** 0.549 MI
2,900 LF

Description: Ramps (one lane sections). This sequence includes all retention basins.

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	0.549
Top of Structural Course For Begin Section	105.00
Top of Structural Course For End Section	105.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	9.32 AC	$10,000.00	$93,200.00
120-6	EMBANKMENT	14,932.70 CY	$9.00	$134,394.30
	Earthwork Component Total			$227,594.30

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	1
Roadway Pavement Width L/R	15.00 / 0.00
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	8,699.33 SY	$4.50	$39,146.98
285-709	OPTIONAL BASE,BASE GROUP 09	4,939.29 SY	$16.50	$81,498.28
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	664.53 TN	$97.00	$64,459.41
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	398.72 TN	$120.00	$47,846.40

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	7.50 TN	$193.96	$1,454.70
536-1-1	GUARDRAIL- ROADWAY, GEN TL-3	750.00 LF	$19.43	$14,572.50

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	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	0

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	2.20 GM	$1,144.50	$2,517.90
	Roadway Component Total			$251,496.19

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	0
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	2,145.83 SY	$18.50	$39,697.85
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	159.49 TN	$97.00	$15,470.53
570-1-2	PERFORMANCE TURF, SOD	1,933.18 SY	$3.72	$7,191.43

Erosion Control

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	7,539.42 LF	$1.80	$13,570.96
104-11	FLOATING TURBIDITY BARRIER	137.30 LF	$11.95	$1,640.74
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	137.30 LF	$7.61	$1,044.85
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	$1,968.81	$1,968.81
107-1	LITTER REMOVAL	6.66 AC	$64.35	$428.57
107-2	MOWING	6.66 AC	$67.77	$451.35
	Shoulder Component Total			$81,465.10

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	440.00 LF	$112.07	$49,310.80
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	96.00 LF	$185.53	$17,810.88
430-984-129		22.00 EA	$1,406.75	$30,948.50

	MITERED END SECT, OPTIONAL RD, 24" SD			
570-1-1	PERFORMANCE TURF	386.64 SY	$1.75	$676.62

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	13.13 CY	$1,850.81	$24,301.14

Retention Basin 1

Description	Value
Size	10 AC
Multiplier	1
Depth	6.00
Description	NW quadrant of interchange POND 1.5 2.9 POND 1.6 1.5 Existing Pond (To Be Modified) 5.34

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	10.00 AC	$10,000.00	$100,000.00
120-1	REGULAR EXCAVATION	96,800.00 CY	$7.50	$726,000.00
425-1-541	INLETS, DT BOT, TYPE D, <10'	2.00 EA	$4,219.09	$8,438.18
425-2-71	MANHOLES, J-7, <10'	2.00 EA	$6,766.82	$13,533.64
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	104.00 LF	$133.35	$13,868.40
430-175-160	PIPE CULV, OPT MATL, ROUND, 60"S/CD	400.00 LF	$342.79	$137,116.00
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	2,780.00 LF	$21.24	$59,047.20
550-60-234	FENCE GATE,TYP B,SLIDE/CANT,18.1-20'OPEN	3.00 EA	$1,810.15	$5,430.45
570-1-1	PERFORMANCE TURF	48,400.00 SY	$1.75	$84,700.00

Retention Basin 2

Description	Value
Size	10 AC
Multiplier	1
Depth	6.00
Description	SW quadrant of interchange POND 1.1 3.6 POND 1.8 4.5

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	10.00 AC	$10,000.00	$100,000.00
120-1	REGULAR EXCAVATION	96,800.00 CY	$7.50	$726,000.00
425-1-541	INLETS, DT BOT, TYPE D, <10'	2.00 EA	$4,219.09	$8,438.18
425-2-71	MANHOLES, J-7, <10'	2.00 EA	$6,766.82	$13,533.64
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	104.00 LF	$133.35	$13,868.40
430-175-160	PIPE CULV, OPT MATL, ROUND, 60"S/CD	400.00 LF	$342.79	$137,116.00
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	2,780.00 LF	$21.24	$59,047.20

550-60-234	FENCE GATE,TYP B,SLIDE/CANT,18.1-20'OPEN	3.00 EA	$1,810.15	$5,430.45
570-1-1	PERFORMANCE TURF	48,400.00 SY	$1.75	$84,700.00

Retention Basin 3

Description	Value
Size	10 AC
Multiplier	1
Depth	6.00
Description	NE quadrant of interchange POND 1.4 3.4 POND 1.7 5.0

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	10.00 AC	$10,000.00	$100,000.00
120-1	REGULAR EXCAVATION	96,800.00 CY	$7.50	$726,000.00
425-1-541	INLETS, DT BOT, TYPE D, <10'	2.00 EA	$4,219.09	$8,438.18
425-2-71	MANHOLES, J-7, <10'	2.00 EA	$6,766.82	$13,533.64
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	104.00 LF	$133.35	$13,868.40
430-175-160	PIPE CULV, OPT MATL, ROUND, 60"S/CD	400.00 LF	$342.79	$137,116.00
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	2,780.00 LF	$21.24	$59,047.20
550-60-234	FENCE GATE,TYP B,SLIDE/CANT,18.1-20'OPEN	3.00 EA	$1,810.15	$5,430.45
570-1-1	PERFORMANCE TURF	48,400.00 SY	$1.75	$84,700.00

Retention Basin 4

Description	Value
Size	5 AC
Multiplier	1
Depth	6.00
Description	SE quadrant of interchange POND 1.2 3.5 POND 1.3 2.3

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	5.00 AC	$10,000.00	$50,000.00
120-1	REGULAR EXCAVATION	48,400.00 CY	$7.50	$363,000.00
425-1-541	INLETS, DT BOT, TYPE D, <10'	1.00 EA	$4,219.09	$4,219.09
425-2-71	MANHOLES, J-7, <10'	2.00 EA	$6,766.82	$13,533.64
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	56.00 LF	$133.35	$7,467.60
430-175-160	PIPE CULV, OPT MATL, ROUND, 60"S/CD	400.00 LF	$342.79	$137,116.00
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	1,860.00 LF	$21.24	$39,506.40
550-60-234	FENCE GATE,TYP B,SLIDE/CANT,18.1-20'OPEN	2.00 EA	$1,810.15	$3,620.30
570-1-1	PERFORMANCE TURF	24,200.00 SY	$1.75	$42,350.00

Retention Basin 5

Description	Value

Size	10 AC
Multiplier	1
Depth	1.00
Description	FPC FPC 1A 4.8 FPC 1B 2.6 FPC 3 1.9 FPC 2 2.8

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	10.00	AC	$10,000.00	$100,000.00
120-1	REGULAR EXCAVATION	16,133.33	CY	$7.50	$120,999.98
425-1-541	INLETS, DT BOT, TYPE D, <10'	2.00	EA	$4,219.09	$8,438.18
425-2-71	MANHOLES, J-7, <10'	2.00	EA	$6,766.82	$13,533.64
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	104.00	LF	$133.35	$13,868.40
430-175-160	PIPE CULV, OPT MATL, ROUND, 60"S/CD	400.00	LF	$342.79	$137,116.00
	Drainage Component Total				$4,622,218.78

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	2.00	AS	$348.00	$696.00
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	11.00	AS	$1,273.50	$14,008.50
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	2.00	AS	$4,793.33	$9,586.66
	Signing Component Total				$24,291.16

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	30

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	6,000.00	LF	$8.25	$49,500.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	30.00	EA	$707.50	$21,225.00
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	18,000.00	LF	$2.17	$39,060.00
715-4-14	LIGHT POLE COMPLETE, F&I-STD, 45'	30.00	EA	$6,367.75	$191,032.50
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	30.00	EA	$564.26	$16,927.80
	Subcomponent Total				$317,745.30
	Lighting Component Total				$317,745.30

RETAINING WALLS COMPONENT

Retaining Wall 1

Description	Value
Length	950.00
Begin height	8.00
End Height	8.00
Multiplier	1

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	7,600.00 SF	$29.15	$221,540.00

Retaining Wall 2

Description	Value
Length	750.00
Begin height	8.00
End Height	8.00
Multiplier	1

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	6,000.00 SF	$29.15	$174,900.00

Retaining Walls Component Total $396,440.00

Sequence 3 Total $5,921,250.83

Sequence: 4 NUR - New Construction, Undivided, Rural **Net Length:** 0.794 MI 4,190 LF

Description: Ramps (two lane sections)

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	80.00 / 80.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.794
Top of Structural Course For Begin Section	105.00
Top of Structural Course For End Section	105.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	15.40 AC	$10,000.00	$154,000.00
120-6	EMBANKMENT	43,847.01 CY	$9.00	$394,623.09
	Earthwork Component Total			$548,623.09

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	165

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	21,416.62 SY	$4.50	$96,374.79
285-709	OPTIONAL BASE,BASE GROUP 09	11,481.17 SY	$16.50	$189,439.30
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,536.41 TN	$97.00	$149,031.77
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	921.85 TN	$120.00	$110,622.00

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	2.50 TN	$193.96	$484.90
536-1-1	GUARDRAIL- ROADWAY, GEN TL-3	250.00 LF	$19.43	$4,857.50

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	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	1

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	107.00 EA	$5.25	$561.75
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	3.17 GM	$1,144.50	$3,628.06
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	1.59 GM	$597.00	$949.23
	Roadway Component Total			$555,949.32

SHOULDER COMPONENT

User Input Data

Description	Value
Total Outside Shoulder Width L/R	10.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 2.00
Paved Outside Shoulder Width L/R	6.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	165
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	7,756.54 SY	$18.50	$143,495.99
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	409.71 TN	$97.00	$39,741.87
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	614.56 TN	$120.00	$73,747.20
570-1-1	PERFORMANCE TURF	931.16 SY	$1.75	$1,629.53

Erosion Control

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	10,894.54 LF	$1.80	$19,610.17
104-11	FLOATING TURBIDITY BARRIER	198.40 LF	$11.95	$2,370.88
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	198.40 LF	$7.61	$1,509.82
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	$1,968.81	$1,968.81
107-1	LITTER REMOVAL	9.62 AC	$64.35	$619.05
107-2	MOWING	9.62 AC	$67.77	$651.95
	Shoulder Component Total			$285,345.27

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	640.00	LF	$112.07	$71,724.80
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	136.00	LF	$185.53	$25,232.08
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	32.00	EA	$1,406.75	$45,016.00
570-1-1	PERFORMANCE TURF	558.69	SY	$1.75	$977.71
	Drainage Component Total				$142,950.59

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	2.00	AS	$348.00	$696.00
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	16.00	AS	$1,273.50	$20,376.00
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	2.00	AS	$4,793.33	$9,586.66
	Signing Component Total				$30,658.66

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	11

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	2,200.00	LF	$8.25	$18,150.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	11.00	EA	$707.50	$7,782.50
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	6,600.00	LF	$2.17	$14,322.00
715-4-14	LIGHT POLE COMPLETE, F&I-STD, 45'	11.00	EA	$6,367.75	$70,045.25
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	11.00	EA	$564.26	$6,206.86
	Subcomponent Total				$116,506.61
	Lighting Component Total				$116,506.61

RETAINING WALLS COMPONENT

Retaining Wall 1

Description	Value
Length	1,800.00
Begin height	8.00
End Height	8.00
Multiplier	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount

548-12	RET WALL SYSTEM, PERM, EX BARRIER	14,400.00 SF	$29.15	$419,760.00

Retaining Wall 2

Description	Value
Length	850.00
Begin height	8.50
End Height	8.50
Multiplier	1

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	7,225.00 SF	$29.15	$210,608.75
	Retaining Walls Component Total			$630,368.75

Sequence 4 Total $2,310,402.29

Sequence: 5 NUR - New Construction, Undivided, Rural **Net Length:** 0.189 MI
1,000 LF

Description: Ramps (three lane sections)

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	90.00 / 90.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.189
Top of Structural Course For Begin Section	105.00
Top of Structural Course For End Section	105.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	4.12 AC	$10,000.00	$41,200.00
120-6	EMBANKMENT	11,828.31 CY	$9.00	$106,454.79
	Earthwork Component Total			$147,654.79

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	3
Roadway Pavement Width L/R	18.00 / 18.00
Structural Spread Rate	165
Friction Course Spread Rate	80

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	6,444.65 SY	$4.50	$29,000.93
285-709	OPTIONAL BASE,BASE GROUP 09	4,073.46 SY	$16.50	$67,212.09
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	330.01 TN	$97.00	$32,010.97
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	160.01 TN	$120.00	$19,201.20

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	1.50 TN	$193.96	$290.94
536-1-1	GUARDRAIL- ROADWAY, GEN TL-3	150.00 LF	$19.43	$2,914.50

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	2
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/RAISED PAVEMENT MARKERS	102.00 EA	$5.25	$535.50
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.76 GM	$1,144.50	$869.82
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.76 GM	$597.00	$453.72
	Roadway Component Total			$152,489.67

SHOULDER COMPONENT

User Input Data

Description	Value
Total Outside Shoulder Width L/R	12.00 / 10.00
Total Outside Shoulder Perf. Turf Width L/R	2.00 / 0.00
Paved Outside Shoulder Width L/R	10.00 / 6.00
Structural Spread Rate	165
Friction Course Spread Rate	0
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	1,851.17 SY	$18.50	$34,246.65
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	146.67 TN	$97.00	$14,226.99
570-1-2	PERFORMANCE TURF, SOD	222.23 SY	$3.72	$826.70

Erosion Control

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	2,600.08 LF	$1.80	$4,680.14
104-11	FLOATING TURBIDITY BARRIER	47.35 LF	$11.95	$565.83
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	47.35 LF	$7.61	$360.33
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	$1,968.81	$1,968.81
107-1	LITTER REMOVAL	2.30 AC	$64.35	$148.00
107-2	MOWING	2.30 AC	$67.77	$155.87
	Shoulder Component Total			$57,179.33

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	152.00	LF	$112.07	$17,034.64
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	32.00	LF	$185.53	$5,936.96
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	8.00	EA	$1,406.75	$11,254.00
570-1-1	PERFORMANCE TURF	133.34	SY	$1.75	$233.34
	Drainage Component Total				$34,458.95

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	1.00	AS	$348.00	$348.00
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	4.00	AS	$1,273.50	$5,094.00
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	1.00	AS	$4,793.33	$4,793.33
	Signing Component Total				$10,235.33

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	6

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,200.00	LF	$8.25	$9,900.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	6.00	EA	$707.50	$4,245.00
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	3,600.00	LF	$2.17	$7,812.00
715-4-14	LIGHT POLE COMPLETE, F&I-STD, 45'	6.00	EA	$6,367.75	$38,206.50
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	6.00	EA	$564.26	$3,385.56
	Subcomponent Total				$63,549.06
	Lighting Component Total				$63,549.06

Sequence 5 Total $465,567.13

Sequence: 6 RSD - Resurfacing, Divided **Net Length:** 1.174 MI
6,200 LF

Description: I-95 Milling & Resurfacing

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	6
Roadway Pavement Width L/R	36.00 / 36.00
Structural Spread Rate	165
Friction Course Spread Rate	80

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
327-70-19	MILLING EXIST ASPH PAVT, 3/4" AVG DEPTH	49,598.21 SY	$3.03	$150,282.58
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	4,091.85 TN	$97.00	$396,909.45
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	1,983.93 TN	$156.53	$310,544.56

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
327-70-11	MILLING EXIST ASPH PAVT,2 1/4" AVG DEPTH	446,400.00 SY	$1.34	$598,176.00

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	Y
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	1
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	1
Skip Stripe No. of Stripes	4

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-1-1	RAISED PAVMT MARK, TYPE B W/O FINAL SURF	793.00 EA	$6.06	$4,805.58
711-15-101	THERMOPLASTIC, STD-OP, WHITE, SOLID, 6"	4.70 GM	$4,654.30	$21,875.21
711-15-131	THERMOPLASTIC, STD-OP, WHITE, SKIP, 6"	4.70 GM	$1,551.97	$7,294.26
711-15-201	THERMOPLASTIC, STD-OP,YELLOW, SOLID, 6"	4.70 GM	$4,601.64	$21,627.71
	Roadway Component Total			$1,511,515.35

SHOULDER COMPONENT

User Input Data

Description	Value
Total Outside Shoulder Width L/R	0.00 / 0.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Paved Outside Shoulder Width L/R	0.00 / 0.00
Structural Spread Rate	110

Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Erosion Control

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-11	FLOATING TURBIDITY BARRIER	117.42 LF	$11.95	$1,403.17
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	117.42 LF	$7.61	$893.57
107-1	LITTER REMOVAL	8.54 AC	$64.35	$549.55
107-2	MOWING	8.54 AC	$67.77	$578.76
	Shoulder Component Total			$3,425.05

MEDIAN COMPONENT

User Input Data

Description	Value
Total Median Width	40.00
Performance Turf Width	5.34
Total Median Shoulder Width L/R	8.00 / 8.00
Paved Median Shoulder Width L/R	0.00 / 0.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
570-1-1	PERFORMANCE TURF	3,678.53 SY	$1.75	$6,437.43
	Median Component Total			$6,437.43

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	24.00 AS	$348.00	$8,352.00
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	22.00 AS	$1,273.50	$28,017.00
700-1-50	SINGLE POST SIGN, RELOCATE	3.00 AS	$250.11	$750.33
700-1-60	SINGLE POST SIGN, REMOVE	19.00 AS	$39.39	$748.41
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	3.00 AS	$4,793.33	$14,379.99
700-2-60	MULTI- POST SIGN, REMOVE	3.00 AS	$1,122.98	$3,368.94
	Signing Component Total			$55,616.67

INTELLIGENT TRAFFIC SYSTEM (ITS) COMPONENT

Description of Work

EX-Items

	Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
1		ITS - ALL ITEMS	1.38	MI	$150,000.00	$207,000.00
		Intelligent Traffic System (ITS) Component Total				$207,000.00

Sequence 6 Total $1,783,994.50

Sequence: 7 NUR - New Construction, Undivided, Rural **Net Length:** 0.066 MI
350 LF

Description: TURNBULL (TWO LANE SECTIONS)

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	80.00 / 80.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.066
Top of Structural Course For Begin Section	105.00
Top of Structural Course For End Section	105.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.28 AC	$10,000.00	$12,800.00
120-6	EMBANKMENT	3,644.71 CY	$9.00	$32,802.39
	Earthwork Component Total			$45,602.39

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	165

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	1,789.22 SY	$4.50	$8,051.49
285-709	OPTIONAL BASE,BASE GROUP 09	959.18 SY	$16.50	$15,826.47
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	128.36 TN	$97.00	$12,450.92
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	77.01 TN	$120.00	$9,241.20

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	2.50 TN	$193.96	$484.90
536-1-1	GUARDRAIL- ROADWAY, GEN TL-3	250.00 LF	$19.43	$4,857.50

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	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	1

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	9.00 EA	$5.25	$47.25
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.27 GM	$1,144.50	$309.02
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.13 GM	$597.00	$77.61
	Roadway Component Total			$51,346.36

SHOULDER COMPONENT

User Input Data

Description	Value
Total Outside Shoulder Width L/R	10.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 2.00
Paved Outside Shoulder Width L/R	6.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	165
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	648.01 SY	$18.50	$11,988.18
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	34.23 TN	$97.00	$3,320.31
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	51.34 TN	$120.00	$6,160.80
570-1-1	PERFORMANCE TURF	77.79 SY	$1.75	$136.13

Erosion Control

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	910.17 LF	$1.80	$1,638.31
104-11	FLOATING TURBIDITY BARRIER	16.58 LF	$11.95	$198.13
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	16.58 LF	$7.61	$126.17
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	$1,968.81	$1,968.81
107-1	LITTER REMOVAL	0.80 AC	$64.35	$51.48
107-2	MOWING	0.80 AC	$67.77	$54.22

	Shoulder Component Total	$25,642.55

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	56.00	LF	$112.07	$6,275.92
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	16.00	LF	$185.53	$2,968.48
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	3.00	EA	$1,406.75	$4,220.25
570-1-1	PERFORMANCE TURF	46.68	SY	$1.75	$81.69
	Drainage Component Total				$13,546.34

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	1.00	AS	$348.00	$348.00
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	2.00	AS	$1,273.50	$2,547.00
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	1.00	AS	$4,793.33	$4,793.33
	Signing Component Total				$7,688.33

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	11

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	2,200.00	LF	$8.25	$18,150.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	11.00	EA	$707.50	$7,782.50
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	6,600.00	LF	$2.17	$14,322.00
715-4-14	LIGHT POLE COMPLETE, F&I-STD, 45'	11.00	EA	$6,367.75	$70,045.25
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	11.00	EA	$564.26	$6,206.86
	Subcomponent Total				$116,506.61
	Lighting Component Total				$116,506.61

Sequence 7 Total	$260,332.58

Sequence: 8 NUR - New Construction, Undivided, Rural **Net Length:** 0.616 MI
3,250 LF

Description: I-95 WIDENING

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	0.616
Top of Structural Course For Begin Section	105.00
Top of Structural Course For End Section	105.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	10.45 AC	$10,000.00	$104,500.00
120-6	EMBANKMENT	16,755.09 CY	$9.00	$150,795.81
	Earthwork Component Total			$255,295.81

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	1
Roadway Pavement Width L/R	15.00 / 0.00
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	9,749.52 SY	$4.50	$43,872.84
285-709	OPTIONAL BASE,BASE GROUP 09	5,535.56 SY	$16.50	$91,336.74
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	744.76 TN	$97.00	$72,241.72
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	446.85 TN	$120.00	$53,622.00

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	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	0

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	2.46 GM	$1,144.50	$2,815.47
	Roadway Component Total			$263,888.77

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	0
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	2,404.88 SY	$18.50	$44,490.28
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	178.74 TN	$97.00	$17,337.78
570-1-2	PERFORMANCE TURF, SOD	2,166.56 SY	$3.72	$8,059.60

Erosion Control

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	8,449.58 LF	$1.80	$15,209.24
104-11	FLOATING TURBIDITY BARRIER	153.88 LF	$11.95	$1,838.87
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	153.88 LF	$7.61	$1,171.03
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	$1,968.81	$1,968.81
107-1	LITTER REMOVAL	7.46 AC	$64.35	$480.05
107-2	MOWING	7.46 AC	$67.77	$505.56
	Shoulder Component Total			$91,061.22

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	496.00 LF	$112.07	$55,586.72
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	104.00 LF	$185.53	$19,295.12
	Drainage Component Total			$74,881.84

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
700-1-11		2.00 AS	$348.00	$696.00

	SINGLE POST SIGN, F&I GM, <12 SF			
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	13.00 AS	$1,273.50	$16,555.50
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	2.00 AS	$4,793.33	$9,586.66
	Signing Component Total			$26,838.16

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	**Value**
Multiplier (Number of Poles)	30

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	6,000.00	LF	$8.25	$49,500.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	30.00	EA	$707.50	$21,225.00
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	18,000.00	LF	$2.17	$39,060.00
715-4-14	LIGHT POLE COMPLETE, F&I-STD, 45'	30.00	EA	$6,367.75	$191,032.50
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	30.00	EA	$564.26	$16,927.80
	Subcomponent Total				$317,745.30
	Lighting Component Total				$317,745.30

Sequence 8 Total $1,029,711.10

Date: 9/1/2020 9:32:33 AM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 436292-1-22-01 **Letting Date:** 01/2099

Description: I-95 INTERCHANGE AT PIONEER TRAIL

District: 05 **County:** 79 VOLUSIA **Market Area:** 06 **Units:** English

Contract Class: 1 **Lump Sum Project:** N **Design/Build:** N **Project Length:** 2.000 MI

Project Manager: HJG

Version 10 Project Grand Total **$39,948,619.72**

Description: I-95 INTERCHANGE AT PIONEER TRAIL - Alternative 1 - Diamond Interchange (Updated by KNSTERR on 08/28/2020) MF

Project Sequences Subtotal			**$31,329,996.38**
102-1	Maintenance of Traffic	6.00 %	$1,879,799.78
101-1	Mobilization	12.00 %	$3,985,175.54
Project Sequences Total			**$37,194,971.70**
Project Unknowns		7.00 %	$2,603,648.02
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 10 Project Grand Total					**$39,948,619.72**

Date: 9/1/2020 9:37:09 AM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 436292-1-22-01 **Letting Date:** 01/2099

Description: I-95 INTERCHANGE AT PIONEER TRAIL

District: 05 **County:** 79 VOLUSIA **Market Area:** 06 **Units:** English
Contract Class: 1 **Lump Sum Project:** N **Design/Build:** N **Project Length:** 2.000 MI

Project Manager: HJG

Version 11 Project Grand Total **$41,322,107.63**
Description: I-95 INTERCHANGE AT PIONEER TRAIL - Alternative 2 - Partial Cloverleaf (Updated by KNSTERR on 08/28/2020) MF

Sequence: 1 NDU - New Construction, Divided, Urban **Net Length:** 1.227 MI
6,480 LF

Description: Pioneer Trail from begin project to end project (without bridge)

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	60.00 / 60.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	1.223
Top of Structural Course For Begin Section	104.00
Top of Structural Course For End Section	104.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	4.00 % / 4.00 %
Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	17.85 AC	$8,000.00	$142,800.00
120-6	EMBANKMENT	147,057.43 CY	$7.50	$1,102,930.73
	Earthwork Component Total			$1,245,730.73

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	4
Roadway Pavement Width L/R	29.00 / 29.00
Structural Spread Rate	220
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	49,191.49	SY	$4.50	$221,361.70
285-709	OPTIONAL BASE,BASE GROUP 09	41,760.93	SY	$17.00	$709,935.81
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	4,593.70	TN	$97.00	$445,588.90
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	3,445.28	TN	$120.00	$413,433.60

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
515-2-313	PED/BICYCLE RAILING,ALUM, 42" TYPE 3	1,840.00	LF	$114.85	$211,324.00
536-1-1	GUARDRAIL- ROADWAY, GEN TL-3	1,840.00	LF	$19.43	$35,751.20

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/RAISED PAVEMENT MARKERS	497.00	EA	$5.25	$2,609.25
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	9.82	GM	$1,145.00	$11,243.90
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	4.91	GM	$484.00	$2,376.44

Roadway Component Total $2,053,624.81

SHOULDER COMPONENT

User Input Data

Description	Value
Total Outside Shoulder Width L/R	20.25 / 20.25
Total Outside Shoulder Perf. Turf Width L/R	10.00 / 13.00
Sidewalk Width L/R	8.00 / 5.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	6,480.14	LF	$31.00	$200,884.34
520-1-10	CONCRETE CURB & GUTTER, TYPE F	6,480.14	LF	$31.00	$200,884.34
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	9,360.21	SY	$38.00	$355,687.98
570-1-1	PERFORMANCE TURF	16,560.37	SY	$1.75	$28,980.65

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount

521-8-7	CONC BARRIER, W/JUNCT SL, 36 SS	1,470.00 LF	$265.58	$390,402.60

Erosion Control

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	12,960.29 LF	$1.79	$23,198.92
104-11	FLOATING TURBIDITY BARRIER	306.82 LF	$11.76	$3,608.20
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	306.82 LF	$7.61	$2,334.90
104-15	SOIL TRACKING PREVENTION DEVICE	2.00 EA	$1,968.81	$3,937.62
104-18	INLET PROTECTION SYSTEM	63.00 EA	$111.99	$7,055.37
107-1	LITTER REMOVAL	31.23 AC	$67.43	$2,105.84
107-2	MOWING	31.23 AC	$69.17	$2,160.18
	Shoulder Component Total			$1,221,240.94

MEDIAN COMPONENT

User Input Data

Description	Value
Total Median Width	40.00
Performance Turf Width	18.00

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
520-1-7	CONCRETE CURB & GUTTER, TYPE E	12,960.29 LF	$19.00	$246,245.51
570-1-2	PERFORMANCE TURF, SOD	12,960.29 SY	$3.75	$48,601.09
	Median Component Total			$294,846.60

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
425-1-351	INLETS, CURB, TYPE P-5, <10'	45.00 EA	$5,755.85	$259,013.25
425-1-451	INLETS, CURB, TYPE J-5, <10'	13.00 EA	$6,050.84	$78,660.92
425-1-521	INLETS, DT BOT, TYPE C, <10'	7.00 EA	$4,071.97	$28,503.79
425-2-41	MANHOLES, P-7, <10'	7.00 EA	$4,986.59	$34,906.13
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	3,248.00 LF	$114.50	$371,896.00
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	296.00 LF	$185.53	$54,916.88
430-175-148	PIPE CULV, OPT MATL, ROUND, 48"S/CD	6,144.00 LF	$199.37	$1,224,929.28
570-1-1	PERFORMANCE TURF	373.10 SY	$1.75	$652.93

Box Culvert 1

Description	Value
Size	Dbl. 8 x 5
Length	40.00
Multiplier	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-4-1	CONC CLASS IV, CULVERTS	155.60	CY	$1,200.73	$186,833.59
415-1-1	REINF STEEL- ROADWAY	21,236.00	LB	$1.00	$21,236.00
	Drainage Component Total				$2,261,548.77

INTERSECTIONS COMPONENT

Intersection 1

Description	Value
Mainline No. of Left Turn Lanes	1
Mainline No. of Right Turn Lanes	1
Mainline Design Speed	45
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	40
T-Intersection?	Y
Multiplier	1
Description	Williamson Blvd.

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.23	AC	$8,000.00	$9,840.00
120-1	REGULAR EXCAVATION	798.47	CY	$7.50	$5,988.52
160-4	TYPE B STABILIZATION	1,522.22	SY	$4.50	$6,849.99
160-4	TYPE B STABILIZATION	1,927.90	SY	$4.50	$8,675.55
285-709	OPTIONAL BASE,BASE GROUP 09	1,522.22	SY	$17.00	$25,877.74
285-709	OPTIONAL BASE,BASE GROUP 09	1,927.90	SY	$17.00	$32,774.30
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	167.44	TN	$97.00	$16,241.68
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	318.10	TN	$97.00	$30,855.70
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	125.58	TN	$120.00	$15,069.60
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	159.05	TN	$120.00	$19,086.00
520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42	LF	$19.00	$1,926.98
520-1-10	CONCRETE CURB & GUTTER, TYPE F	493.00	LF	$31.00	$15,283.00
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	205.00	LF	$59.65	$12,228.25
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	335.00	LF	$59.65	$19,982.75
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	273.89	SY	$38.00	$10,407.82
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	86.94	SY	$52.97	$4,605.21
570-1-1	PERFORMANCE TURF	273.89	SY	$1.75	$479.31

Intersection 2

Description	Value
Mainline No. of Left Turn Lanes	2

Mainline No. of Right Turn Lanes	1
Mainline Design Speed	45
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	40
T-Intersection?	N
Multiplier	1
Description	I-95 SB Ramp Terminal

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	2.46	AC	$8,000.00	$19,680.00
120-1	REGULAR EXCAVATION	1,297.09	CY	$7.50	$9,728.18
160-4	TYPE B STABILIZATION	2,002.22	SY	$4.50	$9,009.99
160-4	TYPE B STABILIZATION	3,131.81	SY	$4.50	$14,093.14
285-709	OPTIONAL BASE,BASE GROUP 09	2,002.22	SY	$17.00	$34,037.74
285-709	OPTIONAL BASE,BASE GROUP 09	3,131.81	SY	$17.00	$53,240.77
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	220.24	TN	$97.00	$21,363.28
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	516.75	TN	$97.00	$50,124.75
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	165.18	TN	$120.00	$19,821.60
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	258.37	TN	$120.00	$31,004.40
520-1-7	CONCRETE CURB & GUTTER, TYPE E	202.84	LF	$19.00	$3,853.96
520-1-10	CONCRETE CURB & GUTTER, TYPE F	986.00	LF	$31.00	$30,566.00
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	670.00	LF	$59.65	$39,965.50
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	205.00	LF	$59.65	$12,228.25
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	547.78	SY	$38.00	$20,815.64
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	173.89	SY	$52.97	$9,210.95
570-1-1	PERFORMANCE TURF	547.78	SY	$1.75	$958.62

Intersection 3

Description	Value
Mainline No. of Left Turn Lanes	2
Mainline No. of Right Turn Lanes	1
Mainline Design Speed	45
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	40
T-Intersection?	N
Multiplier	1
Description	I-95 NB Ramp Terminal

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	2.46	AC	$8,000.00	$19,680.00
120-1	REGULAR EXCAVATION	1,297.09	CY	$7.50	$9,728.18

160-4	TYPE B STABILIZATION	2,002.22 SY	$4.50	$9,009.99
160-4	TYPE B STABILIZATION	3,131.81 SY	$4.50	$14,093.14
285-709	OPTIONAL BASE,BASE GROUP 09	2,002.22 SY	$17.00	$34,037.74
285-709	OPTIONAL BASE,BASE GROUP 09	3,131.81 SY	$17.00	$53,240.77
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	220.24 TN	$97.00	$21,363.28
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	516.75 TN	$97.00	$50,124.75
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	165.18 TN	$120.00	$19,821.60
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	258.37 TN	$120.00	$31,004.40
520-1-7	CONCRETE CURB & GUTTER, TYPE E	202.84 LF	$19.00	$3,853.96
520-1-10	CONCRETE CURB & GUTTER, TYPE F	986.00 LF	$31.00	$30,566.00
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	670.00 LF	$59.65	$39,965.50
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	205.00 LF	$59.65	$12,228.25
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	547.78 SY	$38.00	$20,815.64
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	173.89 SY	$52.97	$9,210.95
570-1-1	PERFORMANCE TURF	547.78 SY	$1.75	$958.62

Intersection 4

Description	Value
Mainline No. of Left Turn Lanes	1
Mainline No. of Right Turn Lanes	0
Mainline Design Speed	45
Cross Street Thru Lanes	3
Cross Street No. of Left Turn Lanes	1
Cross Street No. of Right Turn Lanes	1
Cross Street Design Speed	35
T-Intersection?	Y
Multiplier	1
Description	Turnbull Bay Road

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.18 AC	$8,000.00	$9,440.00
120-1	REGULAR EXCAVATION	917.11 CY	$7.50	$6,878.33
160-4	TYPE B STABILIZATION	1,175.56 SY	$4.50	$5,290.02
160-4	TYPE B STABILIZATION	2,214.35 SY	$4.50	$9,964.58
285-709	OPTIONAL BASE,BASE GROUP 09	1,175.56 SY	$17.00	$19,984.52
285-709	OPTIONAL BASE,BASE GROUP 09	2,214.35 SY	$17.00	$37,643.95
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	129.31 TN	$97.00	$12,543.07
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	365.37 TN	$97.00	$35,440.89
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	96.98 TN	$120.00	$11,637.60
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	182.68 TN	$120.00	$21,921.60
520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42 LF	$19.00	$1,926.98

520-1-10	CONCRETE CURB & GUTTER, TYPE F	473.00 LF	$31.00	$14,663.00
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	335.00 LF	$59.65	$19,982.75
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	195.00 LF	$59.65	$11,631.75
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	262.78 SY	$38.00	$9,985.64
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	86.94 SY	$52.97	$4,605.21
570-1-1	PERFORMANCE TURF	262.78 SY	$1.75	$459.86
	Intersections Component Total			$1,229,577.73

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	30.00 AS	$371.28	$11,138.40
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	3.00 AS	$1,259.80	$3,779.40
700-2-15	MULTI- POST SIGN, F&I GM, 51-100 SF	3.00 AS	$6,558.13	$19,674.39
700-2-16	MULTI- POST SIGN, F&I GM, 101-200 SF	3.00 AS	$8,067.09	$24,201.27
	Signing Component Total			$58,793.46

SIGNALIZATIONS COMPONENT

Signalization 1

Description	Value
Type	2 Lane Mast Arm
Multiplier	3
Description	Williamson Blvd. T-Intersection

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	2,400.00 LF	$9.70	$23,280.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	600.00 LF	$21.51	$12,906.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	3.00 PI	$6,554.50	$19,663.50
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	36.00 EA	$764.98	$27,539.28
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	3.00 AS	$2,714.00	$8,142.00
639-2-1	ELECTRICAL SERVICE WIRE, F&I	180.00 LF	$5.00	$900.00
649-21-4	STEEL MAST ARM ASSEMBLY, F&I, 40'- 30'	12.00 EA	$42,475.00	$509,700.00
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	24.00 AS	$997.00	$23,928.00
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	24.00 AS	$608.00	$14,592.00
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	24.00 EA	$323.25	$7,758.00
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	24.00 AS	$1,061.00	$25,464.00
665-1-11		24.00 EA	$238.25	$5,718.00

	PEDESTRIAN DETECTOR, F&I, STANDARD			
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	3.00 AS	$29,000.00	$87,000.00
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	12.00 EA	$157.50	$1,890.00

Signalization 2

Description	Value
Type	4 Lane Mast Arm
Multiplier	2
Description	I-95 NB and SB Ramp Terminals along Pioneer Trail

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,500.00 LF	$9.70	$14,550.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	500.00 LF	$21.51	$10,755.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	2.00 PI	$6,554.50	$13,109.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	32.00 EA	$764.98	$24,479.36
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	2.00 AS	$2,714.00	$5,428.00
639-2-1	ELECTRICAL SERVICE WIRE, F&I	120.00 LF	$5.00	$600.00
649-21-10	STEEL MAST ARM ASSEMBLY, F&I, 60'	8.00 EA	$43,148.00	$345,184.00
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	24.00 AS	$997.00	$23,928.00
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	16.00 AS	$608.00	$9,728.00
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	24.00 EA	$323.25	$7,758.00
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	24.00 AS	$1,061.00	$25,464.00
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	16.00 EA	$238.25	$3,812.00
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	2.00 AS	$29,000.00	$58,000.00
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	8.00 EA	$157.50	$1,260.00

Signalization 3

Description	Value
Type	2 Lane Mast Arm
Multiplier	4
Description	I-95 NB and SB Ramp Terminals

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	3,200.00 LF	$9.70	$31,040.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	800.00 LF	$21.51	$17,208.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	4.00 PI	$6,554.50	$26,218.00

635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	48.00 EA	$764.98	$36,719.04
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	4.00 AS	$2,714.00	$10,856.00
639-2-1	ELECTRICAL SERVICE WIRE, F&I	240.00 LF	$5.00	$1,200.00
649-21-4	STEEL MAST ARM ASSEMBLY, F&I, 40'- 30'	16.00 EA	$42,475.00	$679,600.00
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	32.00 AS	$997.00	$31,904.00
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	32.00 AS	$608.00	$19,456.00
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	32.00 EA	$323.25	$10,344.00
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	32.00 AS	$1,061.00	$33,952.00
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	32.00 EA	$238.25	$7,624.00
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	4.00 AS	$29,000.00	$116,000.00
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	16.00 EA	$157.50	$2,520.00

Signalization 4

Description	Value
Type	2 Lane Mast Arm
Multiplier	3
Description	Turnbull Bay Road T-Intersection

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	2,400.00 LF	$9.70	$23,280.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	600.00 LF	$21.51	$12,906.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	3.00 PI	$6,554.50	$19,663.50
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	36.00 EA	$764.98	$27,539.28
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	3.00 AS	$2,714.00	$8,142.00
639-2-1	ELECTRICAL SERVICE WIRE, F&I	180.00 LF	$5.00	$900.00
649-21-4	STEEL MAST ARM ASSEMBLY, F&I, 40'- 30'	12.00 EA	$42,475.00	$509,700.00
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	24.00 AS	$997.00	$23,928.00
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	24.00 AS	$608.00	$14,592.00
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	24.00 EA	$323.25	$7,758.00
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	24.00 AS	$1,061.00	$25,464.00
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	24.00 EA	$238.25	$5,718.00
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	3.00 AS	$29,000.00	$87,000.00
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	12.00 EA	$157.50	$1,890.00
	Signalizations Component Total			$3,105,657.96

INTELLIGENT TRAFFIC SYSTEM (ITS) COMPONENT

Description of Work

EX-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
1	ITS - ALL ITEMS	1.12	MI	$150,000.00	$168,000.00
	Intelligent Traffic System (ITS) Component Total				$168,000.00

LIGHTING COMPONENT

Conventional Lighting Subcomponent

Description	Value
Spacing	MIN

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	6,480.14	LF	$9.70	$62,857.36
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	1,286.21	LF	$21.51	$27,666.38
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	43.00	EA	$764.98	$32,894.14
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	23,667.25	LF	$2.17	$51,357.93
715-4-13	LIGHT POLE COMPLETE, F&I-STD, 40'	43.00	EA	$6,146.33	$264,292.19
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	43.00	EA	$564.26	$24,263.18
	Subcomponent Total				$463,331.18
	Lighting Component Total				$463,331.18

RETAINING WALLS COMPONENT

Retaining Wall 1

Description	Value
Length	1,350.00
Begin height	8.00
End Height	8.00
Multiplier	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	10,800.00	SF	$29.15	$314,820.00

Retaining Wall 2

Description	Value
Length	640.00
Begin height	8.00
End Height	8.00
Multiplier	1

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	5,120.00 SF	$29.15	$149,248.00
	Retaining Walls Component Total			$464,068.00

Sequence 1 Total $12,566,420.18

Sequence: 2 NDU - New Construction, Divided, Urban **Net Length:** 0.064 MI
337 LF

Description: Pioneer Trail Bridge at I-95

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	68.50 / 68.50
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.064
Top of Structural Course For Begin Section	105.00
Top of Structural Course For End Section	105.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	4.00 % / 4.00 %
Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.06 AC	$8,000.00	$8,480.00
	Earthwork Component Total			$8,480.00

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	4
Roadway Pavement Width L/R	28.00 / 28.00
Structural Spread Rate	220
Friction Course Spread Rate	165

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
550-10-344	FENCING, TYPE R, 7.1-8.0, W/PART ENCLOS	556.00 LF	$122.67	$68,204.52

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	Y
Pavement Type	Concrete
Solid Stripe No. of Paint Applications	0
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	0
Skip Stripe No. of Stripes	2

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-3		26.00 EA	$5.25	$136.50

	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS			
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.26 GM	$8,500.00	$2,210.00
711-16-131	THERMOPLASTIC, STD-OTH, WHITE, SKIP, 6"	0.13 GM	$3,500.00	$455.00
	Roadway Component Total			$71,006.02

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	2.00	AS	$371.28	$742.56
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	1.00	AS	$1,259.80	$1,259.80
700-2-15	MULTI- POST SIGN, F&I GM, 51-100 SF	1.00	AS	$6,558.13	$6,558.13
700-2-16	MULTI- POST SIGN, F&I GM, 101-200 SF	1.00	AS	$8,067.09	$8,067.09
	Signing Component Total				$16,627.58

LIGHTING COMPONENT

Conventional Lighting Subcomponent

Description	Value
Spacing	MIN

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	336.86	LF	$9.70	$3,267.54
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	66.86	LF	$21.51	$1,438.16
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	3.00	EA	$764.98	$2,294.94
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	1,230.32	LF	$2.17	$2,669.79
715-4-13	LIGHT POLE COMPLETE, F&I-STD, 40'	3.00	EA	$6,146.33	$18,438.99
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	3.00	EA	$564.26	$1,692.78
	Subcomponent Total				$29,802.20
	Lighting Component Total				$29,802.20

BRIDGES COMPONENT

Bridge PION95

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	337.00
Width (LF)	137.00
Type	Low Level
Cost Factor	1.00

Structure No.		
Removal of Existing Structures area		11,655.00
Default Cost per SF		$135.00
Factored Cost per SF		$135.00
Final Cost per SF		**$138.94**
Basic Bridge Cost		**$6,232,815.00**
Description	PIONEER TRAIL AT I-95	

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-3	REMOVAL OF EXISTING STRUCTURES/BRIDGES	11,655.00	SF	$20.00	$233,100.00
400-2-10	CONC CLASS II, APPROACH SLABS	304.44	CY	$422.75	$128,702.01
415-1-9	REINF STEEL- APPROACH SLABS	53,277.00	LB	$1.00	$53,277.00
	Bridge PION95 Total				$6,647,894.01
	Bridges Component Total				$6,647,894.01

Sequence 2 Total $6,773,809.81

Sequence: 3 NUR - New Construction, Undivided, Rural **Net Length:** 1.027 MI 5,420 LF

Description: Ramps (one lane sections). This sequence includes all retention basins.

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	1.027
Top of Structural Course For Begin Section	105.00
Top of Structural Course For End Section	105.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	17.41 AC	$8,000.00	$139,280.00
120-6	EMBANKMENT	27,934.22 CY	$7.50	$209,506.65
	Earthwork Component Total			$348,786.65

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	1
Roadway Pavement Width L/R	15.00 / 0.00
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	16,259.76 SY	$4.50	$73,168.92
285-709	OPTIONAL BASE,BASE GROUP 09	9,231.93 SY	$17.00	$156,942.81
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,242.06 TN	$97.00	$120,479.82
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	745.24 TN	$120.00	$89,428.80

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	7.50 TN	$212.96	$1,597.20
536-1-1	GUARDRAIL- ROADWAY, GEN TL-3	750.00 LF	$19.43	$14,572.50

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	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	4.11	GM	$1,145.00	$4,705.95
	Roadway Component Total				$460,896.00

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	0
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	4,010.74	SY	$18.50	$74,198.69
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	298.10	TN	$97.00	$28,915.70
570-1-1	PERFORMANCE TURF	3,613.28	SY	$1.75	$6,323.24

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
521-8-7	CONC BARRIER, W/JUNCT SL, 36 SS	1,500.00	LF	$265.58	$398,370.00

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	14,091.79	LF	$1.79	$25,224.30
104-11	FLOATING TURBIDITY BARRIER	256.62	LF	$11.76	$3,017.85
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	256.62	LF	$7.61	$1,952.88
104-15	SOIL TRACKING PREVENTION DEVICE	2.00	EA	$1,968.81	$3,937.62
107-1	LITTER REMOVAL	12.44	AC	$67.43	$838.83
107-2	MOWING	12.44	AC	$69.17	$860.47

Shoulder Component Total $543,639.58

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	824.00	LF	$112.07	$92,345.68
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	176.00	LF	$185.53	$32,653.28
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	42.00	EA	$1,406.75	$59,083.50
570-1-1	PERFORMANCE TURF	722.66	SY	$1.75	$1,264.66

Retention Basin 1

Description	Value
Size	10 AC
Multiplier	1
Depth	6.00
Description	NW quadrant of interchange POND 2.6 2.90 POND 2.7 1.24 Existing Pond (To Be Modified) 5.34

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	10.00	AC	$8,000.00	$80,000.00
120-1	REGULAR EXCAVATION	96,800.00	CY	$7.50	$726,000.00
425-1-541	INLETS, DT BOT, TYPE D, <10'	2.00	EA	$4,219.09	$8,438.18
425-2-71	MANHOLES, J-7, <10'	2.00	EA	$6,766.82	$13,533.64
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	104.00	LF	$133.35	$13,868.40
430-175-160	PIPE CULV, OPT MATL, ROUND, 60"S/CD	400.00	LF	$342.73	$137,092.00
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	2,780.00	LF	$21.24	$59,047.20
550-60-234	FENCE GATE,TYP B,SLIDE/CANT,18.1-20'OPEN	3.00	EA	$1,813.41	$5,440.23
570-1-1	PERFORMANCE TURF	48,400.00	SY	$1.75	$84,700.00

Retention Basin 2

Description	Value
Size	10 AC
Multiplier	1
Depth	6.00
Description	SW quadrant of interchange POND 2.1 5.91 POND 2.2 2.23

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	10.00	AC	$8,000.00	$80,000.00
120-1	REGULAR EXCAVATION	96,800.00	CY	$7.50	$726,000.00

425-1-541	INLETS, DT BOT, TYPE D, <10'	2.00 EA	$4,219.09	$8,438.18
425-2-71	MANHOLES, J-7, <10'	2.00 EA	$6,766.82	$13,533.64
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	104.00 LF	$133.35	$13,868.40
430-175-160	PIPE CULV, OPT MATL, ROUND, 60"S/CD	400.00 LF	$342.73	$137,092.00
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	2,780.00 LF	$21.24	$59,047.20
550-60-234	FENCE GATE,TYP B,SLIDE/CANT,18.1-20'OPEN	3.00 EA	$1,813.41	$5,440.23
570-1-1	PERFORMANCE TURF	48,400.00 SY	$1.75	$84,700.00

Retention Basin 3

Description	Value
Size	10 AC
Multiplier	1
Depth	6.00
Description	NE quadrant of interchange POND 2.5 3.44 POND 2.8 5.01

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	10.00	AC	$8,000.00	$80,000.00
120-1	REGULAR EXCAVATION	96,800.00	CY	$7.50	$726,000.00
425-1-541	INLETS, DT BOT, TYPE D, <10'	2.00	EA	$4,219.09	$8,438.18
425-2-71	MANHOLES, J-7, <10'	2.00	EA	$6,766.82	$13,533.64
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	104.00	LF	$133.35	$13,868.40
430-175-160	PIPE CULV, OPT MATL, ROUND, 60"S/CD	400.00	LF	$342.73	$137,092.00
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	2,780.00	LF	$21.24	$59,047.20
550-60-234	FENCE GATE,TYP B,SLIDE/CANT,18.1-20'OPEN	3.00	EA	$1,813.41	$5,440.23
570-1-1	PERFORMANCE TURF	48,400.00	SY	$1.75	$84,700.00

Retention Basin 4

Description	Value
Size	5 AC
Multiplier	1
Depth	6.00
Description	SE quadrant of interchange POND 2.3 3.47 POND 2.4 2.32

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	5.00	AC	$8,000.00	$40,000.00
120-1	REGULAR EXCAVATION	48,400.00	CY	$7.50	$363,000.00
425-1-541	INLETS, DT BOT, TYPE D, <10'	1.00	EA	$4,219.09	$4,219.09
425-2-71	MANHOLES, J-7, <10'	2.00	EA	$6,766.82	$13,533.64
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	56.00	LF	$133.35	$7,467.60
430-175-160		400.00	LF	$342.73	$137,092.00

	PIPE CULV, OPT MATL, ROUND, 60"S/CD			
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	1,860.00 LF	$21.24	$39,506.40
550-60-234	FENCE GATE,TYP B,SLIDE/CANT,18.1-20'OPEN	2.00 EA	$1,813.41	$3,626.82
570-1-1	PERFORMANCE TURF	24,200.00 SY	$1.75	$42,350.00

Retention Basin 5

Description	Value
Size	15 AC
Multiplier	1
Depth	1.00
Description	FPC Ponds FPC 1A 4.85 FPC 1B 2.58 FPC 2A 0.44 FPC 2B 3.23 FPC 3 1.89

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	15.00	AC	$8,000.00	$120,000.00
120-1	REGULAR EXCAVATION	24,200.00	CY	$7.50	$181,500.00
	Drainage Component Total				$4,522,001.62

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	3.00	AS	$371.28	$1,113.84
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	21.00	AS	$1,259.80	$26,455.80
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	3.00	AS	$4,793.33	$14,379.99
	Signing Component Total				$41,949.63

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	40

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	8,000.00	LF	$9.70	$77,600.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	40.00	EA	$764.98	$30,599.20
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	24,000.00	LF	$2.17	$52,080.00
715-4-14	LIGHT POLE COMPLETE, F&I-STD, 45'	40.00	EA	$6,800.00	$272,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	40.00	EA	$564.26	$22,570.40
	Subcomponent Total				$454,849.60

	Lighting Component Total	$454,849.60

RETAINING WALLS COMPONENT

Retaining Wall 1

Description	Value
Length	720.00
Begin height	8.50
End Height	8.50
Multiplier	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	6,120.00	SF	$29.15	$178,398.00

Retaining Wall 2

Description	Value
Length	760.00
Begin height	8.00
End Height	8.00
Multiplier	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	6,080.00	SF	$29.15	$177,232.00

	Retaining Walls Component Total	$355,630.00

Sequence 3 Total	$6,727,753.08

Sequence: 4 NUR - New Construction, Undivided, Rural **Net Length:** 0.890 MI 4,700 LF

Description: Ramps (two lane sections)

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	80.00 / 80.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.890
Top of Structural Course For Begin Section	105.00
Top of Structural Course For End Section	105.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	17.26 AC	$8,000.00	$138,080.00
120-6	EMBANKMENT	49,009.18 CY	$7.50	$367,568.85
	Earthwork Component Total			$505,648.85

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	165

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	24,023.53 SY	$4.50	$108,105.88
285-709	OPTIONAL BASE,BASE GROUP 09	12,878.70 SY	$17.00	$218,937.90
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,723.43 TN	$97.00	$167,172.71
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	1,034.06 TN	$120.00	$124,087.20

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	2.50 TN	$212.96	$532.40
536-1-1	GUARDRAIL- ROADWAY, GEN TL-3	250.00 LF	$19.43	$4,857.50

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	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	120.00	EA	$5.25	$630.00
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	3.56	GM	$1,145.00	$4,076.20
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	1.78	GM	$597.00	$1,062.66
	Roadway Component Total				$629,462.46

SHOULDER COMPONENT

User Input Data

Description	Value
Total Outside Shoulder Width L/R	10.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 2.00
Paved Outside Shoulder Width L/R	6.00 / 10.00
Structural Spread Rate	165
Friction Course Spread Rate	0
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	8,700.70	SY	$18.50	$160,962.95
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	689.37	TN	$97.00	$66,868.89
570-1-1	PERFORMANCE TURF	1,044.50	SY	$1.75	$1,827.88

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	12,220.67	LF	$1.79	$21,875.00
104-11	FLOATING TURBIDITY BARRIER	222.55	LF	$11.76	$2,617.19
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	222.55	LF	$7.61	$1,693.61
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$1,968.81	$1,968.81
107-1	LITTER REMOVAL	10.79	AC	$67.43	$727.57
107-2	MOWING	10.79	AC	$69.17	$746.34
	Shoulder Component Total				$259,288.24

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	720.00	LF	$112.07	$80,690.40
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	152.00	LF	$185.53	$28,200.56
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	36.00	EA	$1,406.75	$50,643.00
570-1-1	PERFORMANCE TURF	626.70	SY	$1.75	$1,096.73
	Drainage Component Total				$160,630.69

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	2.00	AS	$371.28	$742.56
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	18.00	AS	$1,259.80	$22,676.40
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	2.00	AS	$4,793.33	$9,586.66
	Signing Component Total				$33,005.62

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	10

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	2,000.00	LF	$9.70	$19,400.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	10.00	EA	$764.98	$7,649.80
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	6,000.00	LF	$2.17	$13,020.00
715-4-14	LIGHT POLE COMPLETE, F&I-STD, 45'	10.00	EA	$6,800.00	$68,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	10.00	EA	$564.26	$5,642.60
	Subcomponent Total				$113,712.40
	Lighting Component Total				$113,712.40

Sequence 4 Total $1,701,748.26

Sequence: 5 NUR - New Construction, Undivided, Rural **Net Length:** 0.057 MI 300 LF

Description: Ramps (three lane sections)

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	90.00 / 90.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.057
Top of Structural Course For Begin Section	105.00
Top of Structural Course For End Section	105.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.24	AC	$8,000.00	$9,920.00
120-6	EMBANKMENT	3,567.27	CY	$7.50	$26,754.52
	Earthwork Component Total				$36,674.53

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	3
Roadway Pavement Width L/R	18.00 / 18.00
Structural Spread Rate	165
Friction Course Spread Rate	80

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	1,932.71	SY	$4.50	$8,697.20
285-709	OPTIONAL BASE,BASE GROUP 09	1,221.61	SY	$17.00	$20,767.37
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	98.97	TN	$97.00	$9,600.09
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	47.98	TN	$120.00	$5,757.60

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	1.50	TN	$212.96	$319.44
536-1-1	GUARDRAIL- ROADWAY, GEN TL-3	150.00	LF	$19.43	$2,914.50

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	2
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/RAISED PAVEMENT MARKERS	31.00	EA	$5.25	$162.75
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.23	GM	$1,145.00	$263.35
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.23	GM	$597.00	$137.31
	Roadway Component Total				$48,619.61

SHOULDER COMPONENT

User Input Data

Description	Value
Total Outside Shoulder Width L/R	12.00 / 10.00
Total Outside Shoulder Perf. Turf Width L/R	2.00 / 0.00
Paved Outside Shoulder Width L/R	10.00 / 6.00
Structural Spread Rate	165
Friction Course Spread Rate	0
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	555.16	SY	$18.50	$10,270.46
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	43.99	TN	$97.00	$4,267.03
570-1-2	PERFORMANCE TURF, SOD	66.65	SY	$3.75	$249.94

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	779.75	LF	$1.79	$1,395.75
104-11	FLOATING TURBIDITY BARRIER	14.20	LF	$11.76	$166.99
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	14.20	LF	$7.61	$108.06
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$1,968.81	$1,968.81
107-1	LITTER REMOVAL	0.69	AC	$67.43	$46.53
107-2	MOWING	0.69	AC	$69.17	$47.73
	Shoulder Component Total				$18,521.30

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	48.00	LF	$112.07	$5,379.36
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	16.00	LF	$185.53	$2,968.48
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	3.00	EA	$1,406.75	$4,220.25
570-1-1	PERFORMANCE TURF	39.99	SY	$1.75	$69.98
	Drainage Component Total				$12,638.07

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	1.00	AS	$371.28	$371.28
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	2.00	AS	$1,259.80	$2,519.60
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	1.00	AS	$4,793.33	$4,793.33
	Signing Component Total				$7,684.21

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	6

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,200.00	LF	$9.70	$11,640.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	6.00	EA	$764.98	$4,589.88
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	3,600.00	LF	$2.17	$7,812.00
715-4-14	LIGHT POLE COMPLETE, F&I-STD, 45'	6.00	EA	$6,800.00	$40,800.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	6.00	EA	$564.26	$3,385.56
	Subcomponent Total				$68,227.44
	Lighting Component Total				$68,227.44

Sequence 5 Total $192,365.16

Sequence: 6 RSD - Resurfacing, Divided **Net Length:** 1.383 MI
7,300 LF

Description: I-95 Milling & Resurfacing

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	6
Roadway Pavement Width L/R	36.00 / 36.00
Structural Spread Rate	165
Friction Course Spread Rate	80

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
327-70-11	MILLING EXIST ASPH PAVT,2 1/4" AVG DEPTH	58,401.02 SY	$1.34	$78,257.37
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	4,818.08 TN	$97.00	$467,353.76
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	2,336.04 TN	$156.53	$365,660.34

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
327-70-11	MILLING EXIST ASPH PAVT,2 1/4" AVG DEPTH	525,600.00 SY	$1.34	$704,304.00

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	Y
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	1
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	1
Skip Stripe No. of Stripes	4

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-1-1	RAISED PAVMT MARK, TYPE B W/O FINAL SURF	933.00 EA	$6.06	$5,653.98
711-15-101	THERMOPLASTIC, STD-OP, WHITE, SOLID, 6"	5.53 GM	$4,654.30	$25,738.28
711-15-131	THERMOPLASTIC, STD-OP, WHITE, SKIP, 6"	5.53 GM	$1,551.97	$8,582.39
711-15-201	THERMOPLASTIC, STD-OP,YELLOW, SOLID, 6"	5.53 GM	$4,601.64	$25,447.07
	Roadway Component Total			$1,680,997.19

SHOULDER COMPONENT

User Input Data

Description	Value
Total Outside Shoulder Width L/R	0.00 / 0.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Paved Outside Shoulder Width L/R	0.00 / 0.00
Structural Spread Rate	165

Friction Course Spread Rate	0
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Erosion Control

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-11	FLOATING TURBIDITY BARRIER	138.26 LF	$11.76	$1,625.94
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	138.26 LF	$7.61	$1,052.16
107-1	LITTER REMOVAL	10.05 AC	$67.43	$677.67
107-2	MOWING	10.05 AC	$69.17	$695.16
	Shoulder Component Total			$4,050.93

MEDIAN COMPONENT

User Input Data

Description	Value
Total Median Width	40.00
Performance Turf Width	5.34
Total Median Shoulder Width L/R	8.00 / 8.00
Paved Median Shoulder Width L/R	0.00 / 0.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
570-1-1	PERFORMANCE TURF	4,331.41 SY	$1.75	$7,579.97
	Median Component Total			$7,579.97

SIGNING COMPONENT

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
700-2-16	MULTI- POST SIGN, F&I GM, 101-200 SF	5.00 AS	$8,067.09	$40,335.45
700-3-207	SIGN PANEL, F&I OM, 201-300 SF	5.00 EA	$8,453.65	$42,268.25
700-4-114	OH STATIC SIGN STR, F&I, C 41-50 FT	5.00 EA	$86,021.72	$430,108.60
700-9-117	WALK-IN DYN MESS SIGN,F&I, MONO,201-	1.00 EA	$75,000.00	$75,000.00
700-9-600	WALK-IN DYN MESS SIGN, REMOVE	1.00 EA	$1,693.93	$1,693.93
700-10-124	DMS SUPPORT STRUCTURE, CANT, 41-50 FT	1.00 EA	$81,378.36	$81,378.36
700-10-600	DMS SUPPORT STRUCTURE, REMOVE	1.00 EA	$6,759.20	$6,759.20
	Signing Component Total			$677,543.79

INTELLIGENT TRAFFIC SYSTEM (ITS) COMPONENT

Description of Work

EX-Items

	Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
1		ITS - ALL ITEMS	1.38	MI	$150,000.00	$207,000.00
		Intelligent Traffic System (ITS) Component Total				$207,000.00

Sequence 6 Total $2,577,171.88

Sequence: 7 NUR - New Construction, Undivided, Rural **Net Length:** 0.066 MI
350 LF

Description: TURNBULL (TWO LANE SECTIONS

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	80.00 / 80.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.066
Top of Structural Course For Begin Section	105.00
Top of Structural Course For End Section	105.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.28	AC	$8,000.00	$10,240.00
120-6	EMBANKMENT	3,650.13	CY	$7.50	$27,375.98
	Earthwork Component Total				$37,615.98

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	2
Roadway Pavement Width L/R	12.00 / 12.00
Structural Spread Rate	220
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	1,789.22	SY	$4.50	$8,051.49
285-709	OPTIONAL BASE,BASE GROUP 09	959.18	SY	$17.00	$16,306.06
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	102.69	TN	$97.00	$9,960.93
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	77.01	TN	$120.00	$9,241.20

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	2.50	TN	$212.96	$532.40
536-1-1	GUARDRAIL- ROADWAY, GEN TL-3	250.00	LF	$19.43	$4,857.50

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	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	9.00	EA	$5.25	$47.25
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.27	GM	$1,145.00	$309.15
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.13	GM	$597.00	$77.61
	Roadway Component Total				$49,383.59

SHOULDER COMPONENT

User Input Data

Description	Value
Total Outside Shoulder Width L/R	10.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 2.00
Paved Outside Shoulder Width L/R	6.00 / 10.00
Structural Spread Rate	165
Friction Course Spread Rate	0
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	648.01	SY	$18.50	$11,988.18
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	51.34	TN	$97.00	$4,979.98
570-1-2	PERFORMANCE TURF, SOD	77.79	SY	$3.75	$291.71

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	910.17	LF	$1.79	$1,629.20
104-11	FLOATING TURBIDITY BARRIER	16.58	LF	$11.76	$194.98
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	16.58	LF	$7.61	$126.17
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$1,968.81	$1,968.81
107-1	LITTER REMOVAL	0.80	AC	$67.43	$53.94
107-2	MOWING	0.80	AC	$69.17	$55.34
	Shoulder Component Total				$21,288.32

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	56.00	LF	$112.07	$6,275.92
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	16.00	LF	$185.53	$2,968.48
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	3.00	EA	$1,406.75	$4,220.25
570-1-1	PERFORMANCE TURF	46.68	SY	$1.75	$81.69

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	1.19	CY	$1,850.81	$2,202.46
	Drainage Component Total				$15,748.80

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	1.00	AS	$371.28	$371.28
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	2.00	AS	$1,259.80	$2,519.60
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	1.00	AS	$4,793.33	$4,793.33
	Signing Component Total				$7,684.21

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	10

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	2,000.00	LF	$9.70	$19,400.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	10.00	EA	$764.98	$7,649.80
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	6,000.00	LF	$2.17	$13,020.00
715-4-14	LIGHT POLE COMPLETE, F&I-STD, 45'	10.00	EA	$6,800.00	$68,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	10.00	EA	$564.26	$5,642.60
	Subcomponent Total				$113,712.40
	Lighting Component Total				$113,712.40

Sequence 7 Total $245,433.30

Sequence: 8 NUR - New Construction, Undivided, Rural **Net Length:** 0.616 MI 3,250 LF

Description: I-95 WIDENING

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	0.00 / 0.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.616
Top of Structural Course For Begin Section	100.00
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	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
120-6	EMBANKMENT	96,475.78 CY	$7.50	$723,568.35
	Earthwork Component Total			$723,568.35

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	1
Roadway Pavement Width L/R	12.00 / 12.00
Structural Spread Rate	440
Friction Course Spread Rate	80

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	17,332.48 SY	$4.50	$77,996.16
285-709	OPTIONAL BASE,BASE GROUP 09	8,904.56 SY	$17.00	$151,377.52
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,906.57 TN	$97.00	$184,937.29
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	346.65 TN	$120.00	$41,598.00

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	7.50 TN	$212.96	$1,597.20
536-1-1	GUARDRAIL- ROADWAY, GEN TL-3	750.00 LF	$19.43	$14,572.50

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	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	2.46	GM	$1,145.00	$2,816.70
	Roadway Component Total				$474,895.37

SHOULDER COMPONENT

User Input Data

Description	Value
Total Outside Shoulder Width L/R	12.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	2.00 / 2.00
Paved Outside Shoulder Width L/R	10.00 / 10.00
Structural Spread Rate	165
Friction Course Spread Rate	0
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	7,460.19	SY	$18.50	$138,013.52
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	595.80	TN	$97.00	$57,792.60
570-1-2	PERFORMANCE TURF, SOD	1,444.37	SY	$3.75	$5,416.39

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	8,449.58	LF	$1.79	$15,124.75
104-11	FLOATING TURBIDITY BARRIER	153.88	LF	$11.76	$1,809.63
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	153.88	LF	$7.61	$1,171.03
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$1,968.81	$1,968.81
107-1	LITTER REMOVAL	7.46	AC	$67.43	$503.03
107-2	MOWING	7.46	AC	$69.17	$516.01
	Shoulder Component Total				$222,315.77

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Extended Amount

			Unit Price	
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	496.00 LF	$112.07	$55,586.72
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	104.00 LF	$185.53	$19,295.12
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	25.00 EA	$1,406.75	$35,168.75
570-1-1	PERFORMANCE TURF	433.31 SY	$1.75	$758.29
	Drainage Component Total			$110,808.88

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	2.00	AS	$371.28	$742.56
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	13.00	AS	$1,259.80	$16,377.40
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	2.00	AS	$4,793.33	$9,586.66
	Signing Component Total				$26,706.62

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	6

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,200.00	LF	$9.70	$11,640.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	6.00	EA	$764.98	$4,589.88
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	3,600.00	LF	$2.17	$7,812.00
715-4-14	LIGHT POLE COMPLETE, F&I-STD, 45'	6.00	EA	$6,800.00	$40,800.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	6.00	EA	$564.26	$3,385.56
	Subcomponent Total				$68,227.44
	Lighting Component Total				$68,227.44

Sequence 8 Total $1,626,522.43

Date: 9/1/2020 9:37:12 AM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 436292-1-22-01 **Letting Date:** 01/2099

Description: I-95 INTERCHANGE AT PIONEER TRAIL

District: 05 **County:** 79 VOLUSIA **Market Area:** 06 **Units:** English

Contract Class: 1 **Lump Sum Project:** N **Design/Build:** N **Project Length:** 2.000 MI

Project Manager: HJG

Version 11 Project Grand Total **$41,322,107.63**

Description: I-95 INTERCHANGE AT PIONEER TRAIL - Alternative 2 - Partial Cloverleaf (Updated by KNSTERR on 08/28/2020) MF

Project Sequences Subtotal			**$32,411,224.10**
102-1	Maintenance of Traffic	6.00 %	$1,944,673.45
101-1	Mobilization	12.00 %	$4,122,707.71
Project Sequences Total			**$38,478,605.26**
Project Unknowns		7.00 %	$2,693,502.37
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 11 Project Grand Total					**$41,322,107.63**

Date: 9/1/2020 9:43:01 AM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 436292-1-52-01 **Letting Date:** 01/2099

Description: I-95 INTERCHANGE AT PIONEER TRAIL

District: 05 **County:** 79 VOLUSIA **Market Area:** 06 **Units:** English
Contract Class: 1 **Lump Sum Project:** N **Design/Build:** N **Project Length:** 2.000 MI

Project Manager: HJG-STE-KCE

Version 6 Project Grand Total **$36,805,053.66**
Description: I-95 INTERCHANGE AT PIONEER TRAIL - APPROVED Alternative 3 -Partial Cloverleaf (Updated by KNSTERR on 03/10/2020) Working Estimate FROM 30% PLANS 7/6/2020

Sequence: 1 NDU - New Construction, Divided, Urban **Net Length:** 1.189 MI
6,278 LF
Description: Pioneer Trail from begin project to end project (without bridge)include Williamson reconstruction of (280 feet)

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	80.00 / 80.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	1.189
Top of Structural Course For Begin Section	104.00
Top of Structural Course For End Section	108.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	4.00 % / 4.00 %
Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	23.06 AC	$9,000.00	$207,540.00
120-6	EMBANKMENT	242,420.72 CY	$6.00	$1,454,524.32
	Earthwork Component Total			$1,662,064.32

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	4
Roadway Pavement Width L/R	29.00 / 29.00
Structural Spread Rate	220
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	47,656.39	SY	$4.30	$204,922.48
285-709	OPTIONAL BASE,BASE GROUP 09	40,457.71	SY	$15.00	$606,865.65
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	4,450.35	TN	$100.00	$445,035.00
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	3,337.76	TN	$121.00	$403,868.96

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
515-2-313	PED/BICYCLE RAILING,ALUM, 42" TYPE 3	1,840.00	LF	$114.85	$211,324.00
536-1-1	GUARDRAIL- ROADWAY, GEN TL-3	1,840.00	LF	$18.58	$34,187.20

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	Y
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	1
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	1
Skip Stripe No. of Stripes	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	482.00	EA	$5.23	$2,520.86
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	4.76	GM	$7,195.07	$34,248.53
711-16-131	THERMOPLASTIC, STD-OTH, WHITE, SKIP, 6"	2.38	GM	$2,165.98	$5,155.03
711-16-201	THERMOPLASTIC, STD-OTH,YELLOW, SOLID, 6"	4.76	GM	$8,248.12	$39,261.05
	Roadway Component Total				$1,987,388.76

SHOULDER COMPONENT

User Input Data

Description	Value
Total Outside Shoulder Width L/R	20.25 / 20.25
Total Outside Shoulder Perf. Turf Width L/R	10.00 / 13.00
Sidewalk Width L/R	8.00 / 5.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	6,277.92	LF	$20.00	$125,558.40
520-1-10	CONCRETE CURB & GUTTER, TYPE F	6,277.92	LF	$20.00	$125,558.40
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	9,068.11	SY	$39.00	$353,656.29
570-1-2	PERFORMANCE TURF, SOD	16,043.57	SY	$3.65	$58,559.03

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
521-8-7	CONC BARRIER, W/JUNCT SL, 36 SS	1,470.00	LF	$255.00	$374,850.00

Erosion Control Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	12,555.84	LF	$1.80	$22,600.51
104-11	FLOATING TURBIDITY BARRIER	297.25	LF	$11.76	$3,495.66
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	297.25	LF	$7.61	$2,262.07
104-15	SOIL TRACKING PREVENTION DEVICE	2.00	EA	$1,968.81	$3,937.62
104-18	INLET PROTECTION SYSTEM	61.00	EA	$111.99	$6,831.39
107-1	LITTER REMOVAL	30.26	AC	$64.35	$1,947.23
107-2	MOWING	30.26	AC	$67.77	$2,050.72
	Shoulder Component Total				$1,081,307.32

MEDIAN COMPONENT

User Input Data

Description	Value
Total Median Width	40.00
Performance Turf Width	18.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-7	CONCRETE CURB & GUTTER, TYPE E	12,555.84	LF	$20.50	$257,394.72
570-1-2	PERFORMANCE TURF, SOD	12,555.84	SY	$3.65	$45,828.82
	Median Component Total				$303,223.54

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
425-1-351	INLETS, CURB, TYPE P-5, <10'	43.00	EA	$5,792.24	$249,066.32
425-1-451	INLETS, CURB, TYPE J-5, <10'	12.00	EA	$6,050.84	$72,610.08
425-1-521	INLETS, DT BOT, TYPE C, <10'	6.00	EA	$4,071.97	$24,431.82
425-2-41	MANHOLES, P-7, <10'	6.00	EA	$4,986.59	$29,919.54
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	3,152.00	LF	$114.50	$360,904.00
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	280.00	LF	$185.53	$51,948.40
430-175-148	PIPE CULV, OPT MATL, ROUND, 48"S/CD	5,952.00	LF	$199.37	$1,186,650.24
570-1-1	PERFORMANCE TURF	361.46	SY	$5.81	$2,100.08

Box Culvert 1

Description	Value

Size	Dbl. 8 x 5
Length	40.00
Multiplier	2

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
400-4-1	CONC CLASS IV, CULVERTS	155.60 CY	$1,200.73	$186,833.59
415-1-1	REINF STEEL- ROADWAY	21,236.00 LB	$1.00	$21,236.00
	Drainage Component Total			$2,185,700.07

INTERSECTIONS COMPONENT

Intersection 1

Description	Value
Mainline No. of Left Turn Lanes	1
Mainline No. of Right Turn Lanes	1
Mainline Design Speed	45
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	40
T-Intersection?	Y
Multiplier	1
Description	Williamson Blvd.

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.23 AC	$9,000.00	$11,070.00
120-1	REGULAR EXCAVATION	798.47 CY	$7.50	$5,988.52
160-4	TYPE B STABILIZATION	1,522.22 SY	$4.30	$6,545.55
160-4	TYPE B STABILIZATION	1,927.90 SY	$4.30	$8,289.97
285-709	OPTIONAL BASE,BASE GROUP 09	1,522.22 SY	$15.00	$22,833.30
285-709	OPTIONAL BASE,BASE GROUP 09	1,927.90 SY	$15.00	$28,918.50
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	167.44 TN	$100.00	$16,744.00
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	318.10 TN	$100.00	$31,810.00
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	125.58 TN	$121.00	$15,195.18
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	159.05 TN	$121.00	$19,245.05
520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42 LF	$20.50	$2,079.11
520-1-10	CONCRETE CURB & GUTTER, TYPE F	493.00 LF	$20.00	$9,860.00
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	205.00 LF	$60.58	$12,418.90
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	335.00 LF	$60.58	$20,294.30
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	273.89 SY	$39.00	$10,681.71
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	86.94 SY	$55.74	$4,846.04
570-1-1	PERFORMANCE TURF	273.89 SY	$5.81	$1,591.30

Intersection 2

Description	Value
Mainline No. of Left Turn Lanes	2
Mainline No. of Right Turn Lanes	1
Mainline Design Speed	45
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	40
T-Intersection?	N
Multiplier	1
Description	I-95 SB Ramp Terminal

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	2.46	AC	$9,000.00	$22,140.00
120-1	REGULAR EXCAVATION	1,297.09	CY	$7.50	$9,728.18
160-4	TYPE B STABILIZATION	2,002.22	SY	$4.30	$8,609.55
160-4	TYPE B STABILIZATION	3,131.81	SY	$4.30	$13,466.78
285-709	OPTIONAL BASE,BASE GROUP 09	2,002.22	SY	$15.00	$30,033.30
285-709	OPTIONAL BASE,BASE GROUP 09	3,131.81	SY	$15.00	$46,977.15
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	220.24	TN	$100.00	$22,024.00
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	516.75	TN	$100.00	$51,675.00
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	165.18	TN	$121.00	$19,986.78
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	258.37	TN	$121.00	$31,262.77
520-1-7	CONCRETE CURB & GUTTER, TYPE E	202.84	LF	$20.50	$4,158.22
520-1-10	CONCRETE CURB & GUTTER, TYPE F	986.00	LF	$20.00	$19,720.00
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	670.00	LF	$60.58	$40,588.60
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	205.00	LF	$60.58	$12,418.90
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	547.78	SY	$39.00	$21,363.42
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	173.89	SY	$55.74	$9,692.63
570-1-1	PERFORMANCE TURF	547.78	SY	$5.81	$3,182.60

Intersection 3

Description	Value
Mainline No. of Left Turn Lanes	2
Mainline No. of Right Turn Lanes	1
Mainline Design Speed	45
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	40
T-Intersection?	N
Multiplier	1
Description	I-95 NB Ramp Terminal

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	2.46	AC	$9,000.00	$22,140.00
120-1	REGULAR EXCAVATION	1,297.09	CY	$7.50	$9,728.18
160-4	TYPE B STABILIZATION	2,002.22	SY	$4.30	$8,609.55
160-4	TYPE B STABILIZATION	3,131.81	SY	$4.30	$13,466.78
285-709	OPTIONAL BASE,BASE GROUP 09	2,002.22	SY	$15.00	$30,033.30
285-709	OPTIONAL BASE,BASE GROUP 09	3,131.81	SY	$15.00	$46,977.15
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	220.24	TN	$100.00	$22,024.00
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	516.75	TN	$100.00	$51,675.00
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	165.18	TN	$121.00	$19,986.78
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	258.37	TN	$121.00	$31,262.77
520-1-7	CONCRETE CURB & GUTTER, TYPE E	202.84	LF	$20.50	$4,158.22
520-1-10	CONCRETE CURB & GUTTER, TYPE F	986.00	LF	$20.00	$19,720.00
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	670.00	LF	$60.58	$40,588.60
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	205.00	LF	$60.58	$12,418.90
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	547.78	SY	$39.00	$21,363.42
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	173.89	SY	$55.74	$9,692.63
570-1-1	PERFORMANCE TURF	547.78	SY	$5.81	$3,182.60

Intersection 4

Description	Value
Mainline No. of Left Turn Lanes	1
Mainline No. of Right Turn Lanes	0
Mainline Design Speed	45
Cross Street Thru Lanes	3
Cross Street No. of Left Turn Lanes	1
Cross Street No. of Right Turn Lanes	1
Cross Street Design Speed	35
T-Intersection?	Y
Multiplier	1
Description	Turnbull Bay Road

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.18	AC	$9,000.00	$10,620.00
120-1	REGULAR EXCAVATION	917.11	CY	$7.50	$6,878.33
160-4	TYPE B STABILIZATION	1,175.56	SY	$4.30	$5,054.91
160-4	TYPE B STABILIZATION	2,214.35	SY	$4.30	$9,521.70
285-709	OPTIONAL BASE,BASE GROUP 09	1,175.56	SY	$15.00	$17,633.40
285-709	OPTIONAL BASE,BASE GROUP 09	2,214.35	SY	$15.00	$33,215.25
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	129.31	TN	$100.00	$12,931.00
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	365.37	TN	$100.00	$36,537.00
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	96.98	TN	$121.00	$11,734.58

337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	182.68 TN	$121.00	$22,104.28
520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42 LF	$20.50	$2,079.11
520-1-10	CONCRETE CURB & GUTTER, TYPE F	473.00 LF	$20.00	$9,460.00
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	335.00 LF	$60.58	$20,294.30
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	195.00 LF	$60.58	$11,813.10
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	262.78 SY	$39.00	$10,248.42
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	86.94 SY	$55.74	$4,846.04
570-1-1	PERFORMANCE TURF	262.78 SY	$5.81	$1,526.75
	Intersections Component Total			$1,188,965.38

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	29.00 AS	$371.52	$10,774.08
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	3.00 AS	$1,259.80	$3,779.40
700-2-15	MULTI- POST SIGN, F&I GM, 51-100 SF	3.00 AS	$6,558.13	$19,674.39
700-2-16	MULTI- POST SIGN, F&I GM, 101-200 SF	3.00 AS	$8,067.09	$24,201.27
	Signing Component Total			$58,429.14

SIGNALIZATIONS COMPONENT

Signalization 1

Description	Value
Type	2 Lane Mast Arm
Multiplier	1
Description	Williamson Blvd. T-Intersection

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	800.00 LF	$9.58	$7,664.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	200.00 LF	$21.63	$4,326.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00 PI	$6,592.40	$6,592.40
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	8.00 EA	$752.28	$6,018.24
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00 AS	$2,786.20	$2,786.20
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00 LF	$5.02	$301.20
649-21-4	STEEL MAST ARM ASSEMBLY, F&I, 40'- 30'	2.00 EA	$46,712.98	$93,425.96
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	7.00 AS	$1,137.34	$7,961.38
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	6.00 AS	$591.60	$3,549.60

660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	8.00 EA	$323.18	$2,585.44
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	8.00 AS	$1,106.86	$8,854.88
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	6.00 EA	$219.98	$1,319.88
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00 AS	$30,576.98	$30,576.98
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00 EA	$157.52	$630.08

Signalization 2

Description	Value
Type	4 Lane Mast Arm
Multiplier	1
Description	I-95 NB and SB Ramp Terminals along Pioneer Trail

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	750.00 LF	$9.58	$7,185.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	250.00 LF	$21.63	$5,407.50
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00 PI	$6,592.40	$6,592.40
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	8.00 EA	$752.28	$6,018.24
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00 AS	$2,786.20	$2,786.20
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00 LF	$5.02	$301.20
649-21-10	STEEL MAST ARM ASSEMBLY, F&I, 60'	3.00 EA	$50,000.00	$150,000.00
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	6.00 AS	$1,137.34	$6,824.04
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00 AS	$591.60	$4,732.80
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	8.00 EA	$323.18	$2,585.44
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	8.00 AS	$1,106.86	$8,854.88
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	4.00 EA	$219.98	$879.92
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00 AS	$30,576.98	$30,576.98
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00 EA	$157.52	$630.08

Signalization 3

Description	Value
Type	4 Lane Mast Arm
Multiplier	1
Description	I-95 NB and SB Ramp Terminals

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	750.00 LF	$9.58	$7,185.00
630-2-12		250.00 LF	$21.63	$5,407.50

	CONDUIT, F& I, DIRECTIONAL BORE			
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00 PI	$6,592.40	$6,592.40
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	12.00 EA	$752.28	$9,027.36
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00 AS	$2,786.20	$2,786.20
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00 LF	$5.02	$301.20
649-21-10	STEEL MAST ARM ASSEMBLY, F&I, 60'	3.00 EA	$50,000.00	$150,000.00
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	10.00 AS	$1,137.34	$11,373.40
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	6.00 AS	$591.60	$3,549.60
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	9.00 EA	$323.18	$2,908.62
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	9.00 AS	$1,106.86	$9,961.74
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	6.00 EA	$219.98	$1,319.88
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00 AS	$30,576.98	$30,576.98
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00 EA	$157.52	$630.08

Signalization 4

Description	Value
Type	2 Lane Mast Arm
Multiplier	1
Description	Turnbull Bay Road T-Intersection

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	800.00 LF	$9.58	$7,664.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	200.00 LF	$21.63	$4,326.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00 PI	$6,592.40	$6,592.40
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	8.00 EA	$752.28	$6,018.24
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00 AS	$2,786.20	$2,786.20
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00 LF	$5.02	$301.20
649-21-4	STEEL MAST ARM ASSEMBLY, F&I, 40'- 30'	2.00 EA	$46,712.98	$93,425.96
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	8.00 AS	$1,137.34	$9,098.72
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	2.00 AS	$591.60	$1,183.20
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	6.00 EA	$323.18	$1,939.08
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	6.00 AS	$1,106.86	$6,641.16
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	2.00 EA	$219.98	$439.96
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00 AS	$30,576.98	$30,576.98
700-3-101		4.00 EA	$157.52	$630.08

SIGN PANEL, F&I GM, UP TO 12 SF

Signalizations Component Total $823,210.06

INTELLIGENT TRAFFIC SYSTEM (ITS) COMPONENT

Description of Work

EX-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
1	ITS - ALL ITEMS	1.12	MI	$150,000.00	$168,000.00

Intelligent Traffic System (ITS) Component Total $168,000.00

LIGHTING COMPONENT

Conventional Lighting Subcomponent

Description	Value
Spacing	MIN

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	6,277.92	LF	$9.58	$60,142.47
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	1,246.07	LF	$21.63	$26,952.49
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	42.00	EA	$752.28	$31,595.76
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	22,928.68	LF	$2.17	$49,755.24
715-4-13	LIGHT POLE COMPLETE, F&I-STD, 40'	42.00	EA	$6,146.33	$258,145.86
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	42.00	EA	$564.26	$23,698.92
	Subcomponent Total				$450,290.74

Lighting Component Total $450,290.74

RETAINING WALLS COMPONENT

Retaining Wall 1

Description	Value
Length	1,350.00
Begin height	8.00
End Height	8.00
Multiplier	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	10,800.00	SF	$29.26	$316,008.00

Retaining Wall 2

Description	Value
Length	640.00

Begin height	8.00
End Height	8.00
Multiplier	1

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	5,120.00 SF	$29.26	$149,811.20
	Retaining Walls Component Total			$465,819.20

Sequence 1 Total $10,374,398.53

Sequence: 2 NDU - New Construction, Divided, Urban **Net Length:** 0.064 MI
337 LF

Description: Pioneer Trail Bridge at I-95

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	68.50 / 68.50
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.064
Top of Structural Course For Begin Section	108.00
Top of Structural Course For End Section	108.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	4.00 % / 4.00 %
Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.06 AC	$9,000.00	$9,540.00
	Earthwork Component Total			$9,540.00

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	4
Roadway Pavement Width L/R	28.00 / 28.00
Structural Spread Rate	220
Friction Course Spread Rate	165

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
550-10-344	FENCING, TYPE R, 7.1-8.0, W/PART ENCLOS	556.00 LF	$122.67	$68,204.52

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	Y
Pavement Type	Concrete
Solid Stripe No. of Paint Applications	0
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	0
Skip Stripe No. of Stripes	2

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-3		26.00 EA	$5.23	$135.98

	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS			
711-15-201	THERMOPLASTIC, STD-OP,YELLOW, SOLID, 6"	0.26 GM	$4,442.51	$1,155.05
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.26 GM	$7,195.07	$1,870.72
711-16-131	THERMOPLASTIC, STD-OTH, WHITE, SKIP, 6"	0.13 GM	$2,165.98	$281.58
	Roadway Component Total			$71,647.85

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	2.00	AS	$371.52	$743.04
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	1.00	AS	$1,259.80	$1,259.80
	Signing Component Total				$2,002.84

LIGHTING COMPONENT

Conventional Lighting Subcomponent

Description	Value
Spacing	MIN

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	336.86	LF	$9.58	$3,227.12
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	66.86	LF	$21.63	$1,446.18
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	3.00	EA	$752.28	$2,256.84
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	1,230.32	LF	$2.17	$2,669.79
715-4-13	LIGHT POLE COMPLETE, F&I-STD, 40'	3.00	EA	$6,146.33	$18,438.99
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	3.00	EA	$564.26	$1,692.78
	Subcomponent Total				$29,731.70
	Lighting Component Total				$29,731.70

BRIDGES COMPONENT

Bridge PION95

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	278.00
Width (LF)	137.00
Type	Low Level
Cost Factor	1.00
Structure No.	
Removal of Existing Structures area	0.00

Default Cost per SF		$135.00
Factored Cost per SF		$135.00
Final Cost per SF		**$140.33**
Basic Bridge Cost		**$5,141,610.00**
Description	PIONEER TRAIL AT I-95	

Bridge Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
400-2-10	CONC CLASS II, APPROACH SLABS	304.44 CY	$476.47	$145,056.53
415-1-9	REINF STEEL- APPROACH SLABS	53,277.00 LB	$1.09	$58,071.93
	Bridge PION95 Total			$5,344,738.46
	Bridges Component Total			$5,344,738.46

Sequence 2 Total $5,457,660.85

Sequence: 3 NUR - New Construction, Undivided, Rural **Net Length:** 0.729 MI 3,850 LF

Description: Ramps (one lane sections). This sequence includes all retention basins.

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	0.730
Top of Structural Course For Begin Section	100.00
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	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	12.37 AC	$9,000.00	$111,330.00
120-6	EMBANKMENT	56,137.19 CY	$6.00	$336,823.14
	Earthwork Component Total			$448,153.14

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	1
Roadway Pavement Width L/R	15.00 / 0.00
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	11,550.53 SY	$4.30	$49,667.28
285-709	OPTIONAL BASE,BASE GROUP 09	6,558.13 SY	$15.00	$98,371.95
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	882.33 TN	$100.00	$88,233.00
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	529.40 TN	$121.00	$64,057.40

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	7.50 TN	$190.55	$1,429.12
	Comment: GUARDRAIL MISC ASPHALT			
536-1-1	GUARDRAIL- ROADWAY, GEN TL-3	750.00 LF	$18.58	$13,935.00

Pavement Marking Subcomponent

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

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
711-15-101	THERMOPLASTIC, STD-OP, WHITE, SOLID, 6"	0.73	GM	$4,441.22	$3,242.09
711-15-201	THERMOPLASTIC, STD-OP,YELLOW, SOLID, 6"	0.73	GM	$4,442.51	$3,243.03
	Roadway Component Total				$322,178.88

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	0
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-702	OPTIONAL BASE,BASE GROUP 02	2,849.13	SY	$13.58	$38,691.19
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	211.76	TN	$100.00	$21,176.00
570-1-2	PERFORMANCE TURF, SOD	2,566.78	SY	$3.65	$9,368.75

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
521-8-7	CONC BARRIER, W/JUNCT SL, 36 SS	1,500.00	LF	$255.00	$382,500.00

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	10,010.46	LF	$1.80	$18,018.83
104-11	FLOATING TURBIDITY BARRIER	182.30	LF	$11.76	$2,143.85
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	182.30	LF	$7.61	$1,387.30
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$1,968.81	$1,968.81

107-1	LITTER REMOVAL	8.84 AC	$64.35	$568.85
107-2	MOWING	8.84 AC	$67.77	$599.09
	Shoulder Component Total			$476,422.67

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	13.13 CY	$1,850.81	$24,301.14
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	584.00 LF	$89.73	$52,402.32
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	128.00 LF	$185.53	$23,747.84
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	30.00 EA	$1,406.75	$42,202.50
570-1-2	PERFORMANCE TURF, SOD	1,564.64 SY	$3.65	$5,710.94

Retention Basin 1

Description	Value
Size	5 AC
Multiplier	1
Depth	6.00
Description	NW quadrant of interchange POND 3.4 2.90 POND 3.6 1.24

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	5.00 AC	$9,000.00	$45,000.00
120-1	REGULAR EXCAVATION	48,400.00 CY	$7.50	$363,000.00
425-1-541	INLETS, DT BOT, TYPE D, <10'	1.00 EA	$4,219.09	$4,219.09
425-2-71	MANHOLES, J-7, <10'	2.00 EA	$6,766.82	$13,533.64
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	56.00 LF	$133.35	$7,467.60
430-175-160	PIPE CULV, OPT MATL, ROUND, 60"S/CD	400.00 LF	$342.73	$137,092.00
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	1,860.00 LF	$21.24	$39,506.40
550-60-234	FENCE GATE,TYP B,SLIDE/CANT,18.1-20'OPEN	2.00 EA	$1,813.41	$3,626.82
570-1-1	PERFORMANCE TURF	24,200.00 SY	$5.81	$140,602.00

Retention Basin 2

Description	Value
Size	10 AC
Multiplier	1
Depth	6.00
Description	SW quadrant of interchange POND 3.1 5.70 POND 3.2 2.23

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount

110-1-1	CLEARING & GRUBBING	10.00 AC	$9,000.00	$90,000.00
120-1	REGULAR EXCAVATION	96,800.00 CY	$7.50	$726,000.00
425-1-541	INLETS, DT BOT, TYPE D, <10'	2.00 EA	$4,219.09	$8,438.18
425-2-71	MANHOLES, J-7, <10'	2.00 EA	$6,766.82	$13,533.64
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	104.00 LF	$133.35	$13,868.40
430-175-160	PIPE CULV, OPT MATL, ROUND, 60"S/CD	400.00 LF	$342.73	$137,092.00
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	2,780.00 LF	$21.24	$59,047.20
550-60-234	FENCE GATE,TYP B,SLIDE/CANT,18.1-20'OPEN	3.00 EA	$1,813.41	$5,440.23
570-1-1	PERFORMANCE TURF	48,400.00 SY	$5.81	$281,204.00

Retention Basin 3

Description	Value
Size	5 AC
Multiplier	1
Depth	6.00
Description	NE Quadrant POND3.3 6.02

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	5.00	AC	$9,000.00	$45,000.00
120-1	REGULAR EXCAVATION	48,400.00	CY	$7.50	$363,000.00
400-2-2	CONC CLASS II, ENDWALLS	30.00	CY	$1,850.81	$55,524.30
425-1-541	INLETS, DT BOT, TYPE D, <10'	1.00	EA	$4,219.09	$4,219.09
425-2-71	MANHOLES, J-7, <10'	2.00	EA	$6,766.82	$13,533.64
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	56.00	LF	$133.35	$7,467.60
430-175-160	PIPE CULV, OPT MATL, ROUND, 60"S/CD	400.00	LF	$342.73	$137,092.00
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	1,860.00	LF	$21.24	$39,506.40
550-60-234	FENCE GATE,TYP B,SLIDE/CANT,18.1-20'OPEN	2.00	EA	$1,813.41	$3,626.82
570-1-2	PERFORMANCE TURF, SOD	24,200.00	SY	$3.65	$88,330.00

Retention Basin 4

Description	Value
Size	2.5 AC
Multiplier	1
Depth	6.00
Description	SE Quadrant POND 3.5 2.91

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	2.50	AC	$9,000.00	$22,500.00
120-1	REGULAR EXCAVATION	24,200.00	CY	$7.50	$181,500.00
425-1-361	INLETS, CURB, TYPE P-6, <10'	1.00	EA	$7,836.18	$7,836.18
425-2-71	MANHOLES, J-7, <10'	1.00	EA	$6,766.82	$6,766.82
430-175-142		56.00	LF	$133.35	$7,467.60

	PIPE CULV, OPT MATL, ROUND, 42"S/CD			
430-175-160	PIPE CULV, OPT MATL, ROUND, 60"S/CD	200.00 LF	$342.73	$68,546.00
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	1,335.00 LF	$21.24	$28,355.40
550-60-234	FENCE GATE,TYP B,SLIDE/CANT,18.1-20'OPEN	1.00 EA	$1,813.41	$1,813.41
570-1-1	PERFORMANCE TURF	12,100.00 SY	$5.81	$70,301.00

Retention Basin 5

Description	Value
Size	15 AC
Multiplier	1
Depth	1.00
Description	FPC FPC 1A 4.85 FPC 1B 2.59 FPC 3 1.89

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	15.00	AC	$9,000.00	$135,000.00
120-1	REGULAR EXCAVATION	24,200.00	CY	$7.50	$181,500.00
425-1-541	INLETS, DT BOT, TYPE D, <10'	2.00	EA	$4,219.09	$8,438.18
425-2-71	MANHOLES, J-7, <10'	3.00	EA	$6,766.82	$20,300.46
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	104.00	LF	$133.35	$13,868.40
430-175-160	PIPE CULV, OPT MATL, ROUND, 60"S/CD	600.00	LF	$342.73	$205,638.00
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	3,600.00	LF	$21.24	$76,464.00
550-60-234	FENCE GATE,TYP B,SLIDE/CANT,18.1-20'OPEN	4.00	EA	$1,813.41	$7,253.64
570-1-1	PERFORMANCE TURF	72,600.00	SY	$5.81	$421,806.00
	Drainage Component Total				$4,459,690.88

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	2.00	AS	$371.52	$743.04
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	15.00	AS	$1,259.80	$18,897.00
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	2.00	AS	$4,793.33	$9,586.66
	Signing Component Total				$29,226.70

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	47

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	9,400.00	LF	$9.58	$90,052.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	47.00	EA	$752.28	$35,357.16
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	28,200.00	LF	$2.17	$61,194.00
715-4-14	LIGHT POLE COMPLETE, F&I-STD, 45'	47.00	EA	$6,000.00	$282,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	47.00	EA	$564.26	$26,520.22
	Subcomponent Total				$495,123.38

Lighting Component Total $495,123.38

RETAINING WALLS COMPONENT

Retaining Wall 1

Description	Value
Length	720.00
Begin height	8.50
End Height	8.50
Multiplier	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	6,120.00	SF	$29.26	$179,071.20

Retaining Wall 2

Description	Value
Length	760.00
Begin height	8.00
End Height	8.00
Multiplier	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	6,080.00	SF	$29.26	$177,900.80

Retaining Walls Component Total $356,972.00

Sequence 3 Total $6,587,767.65

Sequence: 4 NUR - New Construction, Undivided, Rural **Net Length:** 0.831 MI 4,390 LF

Description: Ramps (two lane sections)

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	80.00 / 80.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.831
Top of Structural Course For Begin Section	105.00
Top of Structural Course For End Section	110.00
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	16.12 AC	$9,000.00	$145,080.00
120-6	EMBANKMENT	95,380.04 CY	$6.00	$572,280.24
	Earthwork Component Total			$717,360.24

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	165

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	21,461.21 SY	$4.30	$92,283.20
285-709	OPTIONAL BASE,BASE GROUP 09	12,028.03 SY	$15.00	$180,420.45
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,609.59 TN	$100.00	$160,959.00
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	965.75 TN	$121.00	$116,855.75

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	2.50 TN	$190.55	$476.38
	Comment: GUARDRAIL MISC ASPHALT			
536-1-1	GUARDRAIL- ROADWAY, GEN TL-3	250.00 LF	$18.58	$4,645.00

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	Y
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/RAISED PAVEMENT MARKERS	112.00	EA	$5.23	$585.76
711-15-101	THERMOPLASTIC, STD-OP, WHITE, SOLID, 6"	1.66	GM	$4,441.22	$7,372.43
711-15-131	THERMOPLASTIC, STD-OP, WHITE, SKIP, 6"	0.83	GM	$1,895.01	$1,572.86
711-15-201	THERMOPLASTIC, STD-OP,YELLOW, SOLID, 6"	1.66	GM	$4,442.51	$7,374.57
	Roadway Component Total				$572,545.40

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	0
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-702	OPTIONAL BASE,BASE GROUP 02	7,150.48	SY	$13.58	$97,103.52
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	563.36	TN	$100.00	$56,336.00
570-1-2	PERFORMANCE TURF, SOD	2,926.53	SY	$3.65	$10,681.83

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	11,413.46	LF	$1.80	$20,544.23
104-11	FLOATING TURBIDITY BARRIER	207.85	LF	$11.76	$2,444.32
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	207.85	LF	$7.61	$1,581.74
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$1,968.81	$1,968.81
107-1	LITTER REMOVAL	10.08	AC	$64.35	$648.65
107-2	MOWING	10.08	AC	$67.77	$683.12

	Shoulder Component Total	$191,992.22

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	672.00	LF	$89.73	$60,298.56
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	144.00	LF	$185.53	$26,716.32
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	34.00	EA	$1,406.75	$47,829.50
570-1-1	PERFORMANCE TURF	585.31	SY	$5.81	$3,400.65
	Drainage Component Total				$138,245.03

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	2.00	AS	$371.52	$743.04
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	17.00	AS	$1,259.80	$21,416.60
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	2.00	AS	$4,793.33	$9,586.66
	Signing Component Total				$31,746.30

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	11

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	2,200.00	LF	$9.58	$21,076.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	11.00	EA	$752.28	$8,275.08
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	6,600.00	LF	$2.17	$14,322.00
715-4-14	LIGHT POLE COMPLETE, F&I-STD, 45'	11.00	EA	$6,000.00	$66,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	11.00	EA	$564.26	$6,206.86
	Subcomponent Total				$115,879.94
	Lighting Component Total				$115,879.94

RETAINING WALLS COMPONENT

Retaining Wall 1

Description	Value
Length	1,710.00
Begin height	8.00
End Height	8.00
Multiplier	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	13,680.00	SF	$29.26	$400,276.80
	Retaining Walls Component Total				$400,276.80

Sequence 4 Total $2,168,045.93

Sequence: 5 NUR - New Construction, Undivided, Rural **Net Length:** 0.097 MI 510 LF

Description: Ramps (three lane sections)

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	90.00 / 90.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.096
Top of Structural Course For Begin Section	107.00
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	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	2.12	AC	$9,000.00	$19,080.00
120-6	EMBANKMENT	17,738.55	CY	$6.00	$106,431.30
	Earthwork Component Total				$125,511.30

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	3
Roadway Pavement Width L/R	18.00 / 18.00
Structural Spread Rate	165
Friction Course Spread Rate	80

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	3,173.63	SY	$4.30	$13,646.61
285-709	OPTIONAL BASE,BASE GROUP 09	2,077.60	SY	$15.00	$31,164.00
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	168.32	TN	$100.00	$16,832.00
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	81.61	TN	$121.00	$9,874.81

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	1.50	TN	$190.55	$285.82
	Comment: GUARDRAIL MISC ASPHALT				
536-1-1	GUARDRAIL- ROADWAY, GEN TL-3	150.00	LF	$18.58	$2,787.00

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	Y
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	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	52.00	EA	$5.23	$271.96
711-15-102	THERMOPLASTIC, STD-OP, WHITE, SOLID, 8"	0.19	GM	$7,587.25	$1,441.58
711-15-131	THERMOPLASTIC, STD-OP, WHITE, SKIP, 6"	0.19	GM	$1,895.01	$360.05
711-15-201	THERMOPLASTIC, STD-OP,YELLOW, SOLID, 6"	0.19	GM	$4,442.51	$844.08
	Roadway Component Total				$77,507.92

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	0
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-702	OPTIONAL BASE,BASE GROUP 02	830.81	SY	$13.58	$11,282.40
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	65.46	TN	$100.00	$6,546.00
570-1-2	PERFORMANCE TURF, SOD	340.03	SY	$3.65	$1,241.11

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	1,326.12	LF	$1.80	$2,387.02
104-11	FLOATING TURBIDITY BARRIER	24.15	LF	$11.76	$284.00
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	24.15	LF	$7.61	$183.78
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$1,968.81	$1,968.81
107-1	LITTER REMOVAL	1.17	AC	$64.35	$75.29
107-2	MOWING	1.17	AC	$67.77	$79.29

	Shoulder Component Total	$24,047.70

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	80.00	LF	$89.73	$7,178.40
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	24.00	LF	$185.53	$4,452.72
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	4.00	EA	$1,406.75	$5,627.00
570-1-1	PERFORMANCE TURF	68.01	SY	$5.81	$395.14
	Drainage Component Total				$17,653.26

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	1.00	AS	$371.52	$371.52
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	2.00	AS	$1,259.80	$2,519.60
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	1.00	AS	$4,793.33	$4,793.33
	Signing Component Total				$7,684.45

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	6

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,200.00	LF	$9.58	$11,496.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	6.00	EA	$752.28	$4,513.68
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	3,600.00	LF	$2.17	$7,812.00
715-4-14	LIGHT POLE COMPLETE, F&I-STD, 45'	6.00	EA	$6,000.00	$36,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	6.00	EA	$564.26	$3,385.56
	Subcomponent Total				$63,207.24
	Lighting Component Total				$63,207.24

RETAINING WALLS COMPONENT

Retaining Wall 1

Description	Value
Length	1,250.00
Begin height	12.00
End Height	12.00
Multiplier	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	15,000.00	SF	$29.26	$438,900.00
	Retaining Walls Component Total				$438,900.00

Sequence 5 Total $754,511.87

Sequence: 6 RSD - Resurfacing, Divided **Net Length:** 1.174 MI
6,200 LF

Description: I-95 Milling & Resurfacing

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	6
Roadway Pavement Width L/R	36.00 / 36.00
Structural Spread Rate	165
Friction Course Spread Rate	80

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
327-70-11	MILLING EXIST ASPH PAVT,2 1/4" AVG DEPTH	49,598.21 SY	$1.34	$66,461.60
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	4,091.85 TN	$100.00	$409,185.00
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	1,983.93 TN	$157.00	$311,477.01

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
327-70-11	MILLING EXIST ASPH PAVT,2 1/4" AVG DEPTH	446,400.00 SY	$1.34	$598,176.00

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	Y
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	1
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	1
Skip Stripe No. of Stripes	4

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-1-1	RAISED PAVMT MARK, TYPE B W/O FINAL SURF	793.00 EA	$12.95	$10,269.35
711-15-101	THERMOPLASTIC, STD-OP, WHITE, SOLID, 6"	4.70 GM	$4,441.22	$20,873.73
711-15-131	THERMOPLASTIC, STD-OP, WHITE, SKIP, 6"	4.70 GM	$1,895.01	$8,906.55
711-15-201	THERMOPLASTIC, STD-OP,YELLOW, SOLID, 6"	4.70 GM	$4,442.51	$20,879.80
	Roadway Component Total			$1,446,229.04

SHOULDER COMPONENT

User Input Data

Description	Value
Total Outside Shoulder Width L/R	0.00 / 0.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Paved Outside Shoulder Width L/R	0.00 / 0.00
Structural Spread Rate	165

Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Erosion Control

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-11	FLOATING TURBIDITY BARRIER	117.42 LF	$11.76	$1,380.86
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	117.42 LF	$7.61	$893.57
107-1	LITTER REMOVAL	8.54 AC	$64.35	$549.55
107-2	MOWING	8.54 AC	$67.77	$578.76
	Shoulder Component Total			$3,402.74

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	24.00 AS	$371.52	$8,916.48
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	22.00 AS	$1,259.80	$27,715.60
700-1-50	SINGLE POST SIGN, RELOCATE	3.00 AS	$243.66	$730.98
700-1-60	SINGLE POST SIGN, REMOVE	19.00 AS	$37.55	$713.45
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	3.00 AS	$4,793.33	$14,379.99
700-2-60	MULTI- POST SIGN, REMOVE	3.00 AS	$1,122.98	$3,368.94
	Signing Component Total			$55,825.44

INTELLIGENT TRAFFIC SYSTEM (ITS) COMPONENT

Description of Work

EX-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
1	ITS _ ALL ITEMS	1.38 MI	$150,000.00	$207,000.00
	Intelligent Traffic System (ITS) Component Total			$207,000.00

Sequence 6 Total $1,712,457.22

Sequence: 7 NUR - New Construction, Undivided, Rural **Net Length:** 0.066 MI 350 LF

Description: Turnbull (two lane sections)

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	80.00 / 80.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.070
Top of Structural Course For Begin Section	100.00
Top of Structural Course For End Section	107.00
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	1.28	AC	$9,000.00	$11,520.00
120-6	EMBANKMENT	5,568.09	CY	$6.00	$33,408.54
	Earthwork Component Total				$44,928.54

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	2
Roadway Pavement Width L/R	12.00 / 12.00
Structural Spread Rate	220
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	1,555.84	SY	$4.30	$6,690.11
285-709	OPTIONAL BASE,BASE GROUP 09	959.18	SY	$15.00	$14,387.70
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	102.69	TN	$100.00	$10,269.00
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	77.01	TN	$121.00	$9,318.21

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	2.50	TN	$190.55	$476.38
	Comment: GUARDRAIL MISC ASPHALT				
536-1-1	GUARDRAIL- ROADWAY, GEN TL-3	250.00	LF	$18.58	$4,645.00

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	Y
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/RAISED PAVEMENT MARKERS	9.00	EA	$5.23	$47.07
711-15-101	THERMOPLASTIC, STD-OP, WHITE, SOLID, 6"	0.13	GM	$4,441.22	$577.36
711-15-131	THERMOPLASTIC, STD-OP, WHITE, SKIP, 6"	0.07	GM	$1,895.01	$132.65
711-15-201	THERMOPLASTIC, STD-OP,YELLOW, SOLID, 6"	0.13	GM	$4,442.51	$577.53
	Roadway Component Total				$47,121.01

SHOULDER COMPONENT

User Input Data

Description	Value
Total Outside Shoulder Width L/R	8.00 / 8.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 4.00
Paved Outside Shoulder Width L/R	4.00 / 4.00
Structural Spread Rate	165
Friction Course Spread Rate	0
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-702	OPTIONAL BASE,BASE GROUP 02	336.84	SY	$13.58	$4,574.29
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	25.67	TN	$100.00	$2,567.00
570-1-2	PERFORMANCE TURF, SOD	311.17	SY	$3.65	$1,135.77

Erosion Control

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	910.17	LF	$1.80	$1,638.31
104-11	FLOATING TURBIDITY BARRIER	16.58	LF	$11.76	$194.98
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	16.58	LF	$7.61	$126.17
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	$1,968.81	$1,968.81
107-1	LITTER REMOVAL	0.80	AC	$64.35	$51.48
107-2	MOWING	0.80	AC	$67.77	$54.22

	Shoulder Component Total	$12,311.03

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	1.19	CY	$1,850.81	$2,202.46
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	56.00	LF	$89.73	$5,024.88
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	16.00	LF	$185.53	$2,968.48
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	3.00	EA	$1,406.75	$4,220.25
570-1-2	PERFORMANCE TURF, SOD	46.68	SY	$3.65	$170.38
	Drainage Component Total				$14,586.45

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	1.00	AS	$371.52	$371.52
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	2.00	AS	$1,259.80	$2,519.60
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	1.00	AS	$4,793.33	$4,793.33
	Signing Component Total				$7,684.45

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	11

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	2,200.00	LF	$9.58	$21,076.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	11.00	EA	$752.28	$8,275.08
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	6,600.00	LF	$2.17	$14,322.00
715-4-14	LIGHT POLE COMPLETE, F&I-STD, 45'	11.00	EA	$6,000.00	$66,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	11.00	EA	$564.26	$6,206.86
	Subcomponent Total				$115,879.94
	Lighting Component Total				$115,879.94

Sequence 7 Total	$242,511.42

Sequence: 8 NUR - New Construction, Undivided, Rural **Net Length:** 0.616 MI
3,250 LF

Description: I-95 WIDENING

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	0.00 / 0.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.620
Top of Structural Course For Begin Section	100.00
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	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
120-6	EMBANKMENT	97,102.25 CY	$6.00	$582,613.50
	Earthwork Component Total			$582,613.50

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	1
Roadway Pavement Width L/R	12.00 / 12.00
Structural Spread Rate	440
Friction Course Spread Rate	80

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	17,332.48 SY	$4.30	$74,529.66
285-709	OPTIONAL BASE,BASE GROUP 09	8,904.56 SY	$15.00	$133,568.40
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,906.57 TN	$100.00	$190,657.00
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	346.65 TN	$121.00	$41,944.65

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	7.50 TN	$190.55	$1,429.12
	Comment: GUARDRAIL MISC ASPHALT			
536-1-1	GUARDRAIL- ROADWAY, GEN TL-3	750.00 LF	$18.58	$13,935.00

Pavement Marking Subcomponent

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

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
711-15-101	THERMOPLASTIC, STD-OP, WHITE, SOLID, 6"	0.62	GM	$4,441.22	$2,753.56
711-15-201	THERMOPLASTIC, STD-OP,YELLOW, SOLID, 6"	0.62	GM	$4,442.51	$2,754.36
	Roadway Component Total				$461,571.76

SHOULDER COMPONENT

User Input Data

Description	Value
Total Outside Shoulder Width L/R	12.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	2.00 / 2.00
Paved Outside Shoulder Width L/R	10.00 / 10.00
Structural Spread Rate	165
Friction Course Spread Rate	0
Total Width (T) / 8" Overlap (O)	T
Rumble Strips ï¿½No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-702	OPTIONAL BASE,BASE GROUP 02	7,460.19	SY	$13.58	$101,309.38
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	595.80	TN	$100.00	$59,580.00
570-1-2	PERFORMANCE TURF, SOD	1,444.37	SY	$3.65	$5,271.95
	Shoulder Component Total				$166,161.33

LIGHTING COMPONENT

Rural Lighting Subcomponent

Description	Value
Multiplier (Number of Poles)	33

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	6,600.00	LF	$9.58	$63,228.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	33.00	EA	$752.28	$24,825.24
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	19,800.00	LF	$2.17	$42,966.00
715-4-14	LIGHT POLE COMPLETE, F&I-STD, 45'	33.00	EA	$6,000.00	$198,000.00
715-500-1		33.00	EA	$564.26	$18,620.58

POLE CABLE DIST SYS, CONVENTIONAL	
Subcomponent Total	$347,639.82
Lighting Component Total	$347,639.82
Sequence 8 Total	$1,557,986.41

Date: 9/1/2020 9:43:03 AM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 436292-1-52-01 **Letting Date:** 01/2099

Description: I-95 INTERCHANGE AT PIONEER TRAIL

District: 05 **County:** 79 VOLUSIA **Market Area:** 06 **Units:** English

Contract Class: 1 **Lump Sum Project:** N **Design/Build:** N **Project Length:** 2.000 MI

Project Manager: HJG-STE-KCE

Version 6 Project Grand Total **$36,805,053.66**

Description: I-95 INTERCHANGE AT PIONEER TRAIL - APPROVED Alternative 3 -Partial Cloverleaf (Updated by KNSTERR on 03/10/2020) Working Estimate FROM 30% PLANS 7/6/2020

Project Sequences Subtotal			**$28,855,339.88**
102-1	Maintenance of Traffic	6.00 %	$1,731,320.39
101-1	Mobilization	12.00 %	$3,670,399.23
Project Sequences Total			**$34,257,059.50**
Project Unknowns		7.00 %	$2,397,994.16
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 6 Project Grand Total					**$36,805,053.66**