

## Appendix E

### Long Ranges Estimate

## **Appendix E**

### **TSM&O Option 1 LRE**

# FDOT Long Range Estimating System - Production

## R3: Project Details by Sequence Report

**Project:** 446164-1-22-01

**Letting Date:** 01/2099

**Description:** PD&E STUDY TO WIDEN WESTERN BELTWAY (SR429) FROM I-4 TO SEIDEL RD.

**District:** 08      **County:** 97 TURNPIKE

**Market Area:** 99      **Units:** English

**Contract Class:** 3      **Lump Sum Project:** N

**Design/Build:** N      **Project Length:** 9.300 MI

**Project Manager:** UNDERWOOD

**Version 29 Project Grand Total**

**\$4,469,357.75**

446164-1-22-01 Version 1-P. [PD&E STUDY TO WIDEN WESTERN BELTWAY (SR429) FROM

**Description:** SEIDEL ROAD TO SINCLAIR ROAD] Alternative 1 for SR 429 South Bound Ramp to US 192.  
Includes Signalized Intersection

**Sequence:** 3 WUR - Widen/Resurface, Undivided, Rural

**Net Length:** 0.147 MI  
777 LF

**Description:** SR429 SB Ramp to US 192 (3 of 4)

### EARTHWORK COMPONENT

**User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	40.00 / 40.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.147
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
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	1.43 AC	\$35,365.45	\$50,572.59
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	430.34 CY	\$671.72	\$289,067.98
<b>Earthwork Component Total</b>				<b>\$339,640.58</b>

### ROADWAY COMPONENT

**User Input Data**

Description	Value
Number of Lanes	3
Existing Roadway Pavement Width L/R	12.00 / 0.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 24.00
Widened Structural Spread Rate	275

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	2,936.15	SY	\$18.93	\$55,581.32
285-709	OPTIONAL BASE,BASE GROUP 09	2,101.07	SY	\$76.60	\$160,941.96
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	1,036.29	SY	\$12.35	\$12,798.18
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	85.49	TN	\$353.04	\$30,181.39
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	284.98	TN	\$353.04	\$100,609.34
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	41.45	TN	\$309.81	\$12,841.62
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	170.99	TN	\$309.81	\$52,974.41

**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	2

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	79.00	EA	\$7.66	\$605.14
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.15	GM	\$5,768.26	\$865.24
711-16-131	THERMOPLASTIC, STD-OTH, WHITE, SKIP, 6"	0.29	GM	\$2,898.45	\$840.55
711-16-201	THERMOPLASTIC, STD-OTH, YELLOW, SOLID, 6"	0.15	GM	\$5,919.72	\$887.96

**Roadway Component Total**

\$429,127.12

**SHOULDER COMPONENT****User Input Data**

Description	Value
Existing Total Outside Shoulder Width L/R	4.00 / 0.00
New Total Outside Shoulder Width L/R	0.00 / 10.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Existing Paved Outside Shoulder Width L/R	4.00 / 0.00
New Paved Outside Shoulder Width L/R	0.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips i; ½No. of Sides	0

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	892.07	SY	\$30.04	\$26,797.78
327-70-1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	345.43	SY	\$16.85	\$5,820.50

334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	47.50 TN	\$353.04	\$16,769.40
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	34.54 TN	\$309.81	\$10,700.84

**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
570-1-2	PERFORMANCE TURF, SOD	2,035.00 SY	\$10.66	\$21,693.10

**Erosion Control**

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	1,787.60 LF	\$3.30	\$5,899.08
104-11	FLOATING TURBIDITY BARRIER	14.72 LF	\$7.47	\$109.96
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	14.72 LF	\$3.99	\$58.73
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$2,740.00	\$2,740.00
104-18	INLET PROTECTION SYSTEM	1.00 EA	\$238.94	\$238.94
107-1	LITTER REMOVAL	0.36 AC	\$45.26	\$16.29
107-2	MOWING	0.36 AC	\$81.43	\$29.31

**Shoulder Component Total** \$90,873.94

**DRAINAGE COMPONENT**

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	24.00 LF	\$130.52	\$3,132.48
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	16.00 LF	\$280.79	\$4,492.64
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	2.00 EA	\$3,098.00	\$6,196.00
570-1-1	PERFORMANCE TURF	59.47 SY	\$8.97	\$533.45

**Drainage Component Total** \$14,354.57

**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	\$561.06	\$561.06
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	3.00 AS	\$1,295.01	\$3,885.03
700-1-50	SINGLE POST SIGN, RELOCATE	1.00 AS	\$307.80	\$307.80
700-1-60	SINGLE POST SIGN, REMOVE	3.00 AS	\$202.18	\$606.54
700-2-13	MULTI- POST SIGN, F&I GM, 21-30 SF	1.00 AS	\$5,822.23	\$5,822.23
700-2-60	MULTI- POST SIGN, REMOVE	1.00 AS	\$838.95	\$838.95

**Signing Component Total** \$12,021.61

**LIGHTING COMPONENT**

**Rural Lighting Subcomponent**

Description		Value			
Multiplier (Number of Poles)		5			
Pay Items					
Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,000.00	LF	\$9.36	\$9,360.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	5.00	EA	\$825.77	\$4,128.85
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	3,000.00	LF	\$6.70	\$20,100.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	5.00	EA	\$10,564.67	\$52,823.35
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	5.00	EA	\$896.91	\$4,484.55
<b>Subcomponent Total</b>					<b>\$90,896.75</b>
<b>Lighting Component Total</b>					<b>\$90,896.75</b>

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**Sequence 3 Total** \$976,914.57

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**Sequence:** 4 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.088 MI  
462 LF

**Description:** SR429 SB Ramp to US 192 (4 of 4)

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**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	0.088
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
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	\$35,365.45	\$45,267.78
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	229.39	CY	\$671.72	\$154,085.85
<b>Earthwork Component Total</b>					<b>\$199,353.63</b>

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**ROADWAY COMPONENT****User Input Data**

Description	Value
Number of Lanes	5
Existing Roadway Pavement Width L/R	12.00 / 0.00
Structural Spread Rate	165

Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 48.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	2,977.33	SY	\$18.93	\$56,360.86
285-709	OPTIONAL BASE,BASE GROUP 09	2,480.94	SY	\$76.60	\$190,040.00
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	616.00	SY	\$12.35	\$7,607.60
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	50.82	TN	\$353.04	\$17,941.49
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	338.80	TN	\$353.04	\$119,609.95
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	24.64	TN	\$309.81	\$7,633.72
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	203.28	TN	\$309.81	\$62,978.18

**X-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6" <b>Comment:</b> Markings for Turn Lanes	0.18	GM	\$5,768.26	\$1,038.29
711-16-131	THERMOPLASTIC, STD-OTH, WHITE, SKIP, 6" <b>Comment:</b> Markings Prior to Turn Lanes	0.09	GM	\$2,898.45	\$260.86

**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	4

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	71.00	EA	\$7.66	\$543.86
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.09	GM	\$5,768.26	\$519.14
711-16-201	THERMOPLASTIC, STD-OTH,YELLOW, SOLID, 6"	0.09	GM	\$5,919.72	\$532.77

**Roadway Component Total** \$465,066.72

**SHOULDER COMPONENT**

**User Input Data**

Description	Value
Existing Total Outside Shoulder Width L/R	4.00 / 0.00
New Total Outside Shoulder Width L/R	0.00 / 10.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Existing Paved Outside Shoulder Width L/R	4.00 / 0.00
New Paved Outside Shoulder Width L/R	0.00 / 10.00
Structural Spread Rate	110

Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips $\bar{i}$ ; $\frac{1}{2}$ No. of Sides	0

#### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	530.27	SY	\$30.04	\$15,929.31
327-70-1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	205.33	SY	\$16.85	\$3,459.81
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	28.23	TN	\$353.04	\$9,966.32
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	20.53	TN	\$309.81	\$6,360.40

#### X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
570-1-2	PERFORMANCE TURF, SOD	1,904.00	SY	\$10.66	\$20,296.64

#### Erosion Control

##### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	1,062.60	LF	\$3.30	\$3,506.58
104-11	FLOATING TURBIDITY BARRIER	8.75	LF	\$7.47	\$65.36
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	8.75	LF	\$3.99	\$34.91
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,740.00	\$2,740.00
104-18	INLET PROTECTION SYSTEM	1.00	EA	\$238.94	\$238.94
107-1	LITTER REMOVAL	0.21	AC	\$45.26	\$9.50
107-2	MOWING	0.21	AC	\$81.43	\$17.10

#### Shoulder Component Total

\$62,624.87

#### DRAINAGE COMPONENT

##### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	16.00	LF	\$130.52	\$2,088.32
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	8.00	LF	\$280.79	\$2,246.32
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	1.00	EA	\$3,098.00	\$3,098.00
570-1-1	PERFORMANCE TURF	35.35	SY	\$8.97	\$317.09

#### Drainage Component Total

\$7,749.73

#### SIGNING COMPONENT

##### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	1.00	AS	\$561.06	\$561.06
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	2.00	AS	\$1,295.01	\$2,590.02
700-1-50	SINGLE POST SIGN, RELOCATE	1.00	AS	\$307.80	\$307.80



700-1-60	SINGLE POST SIGN, REMOVE	2.00 AS	\$202.18	\$404.36
700-2-13	MULTI- POST SIGN, F&I GM, 21-30 SF	1.00 AS	\$5,822.23	\$5,822.23
700-2-60	MULTI- POST SIGN, REMOVE	1.00 AS	\$838.95	\$838.95
<b>Signing Component Total</b>				<b>\$10,524.42</b>

**LIGHTING COMPONENT**

**Rural Lighting Subcomponent**

Description		Value			
Multiplier (Number of Poles)		4			
Pay Items					
Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	800.00	LF	\$9.36	\$7,488.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	4.00	EA	\$825.77	\$3,303.08
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	2,400.00	LF	\$6.70	\$16,080.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	4.00	EA	\$10,564.67	\$42,258.68
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	4.00	EA	\$896.91	\$3,587.64
<b>Subcomponent Total</b>					<b>\$72,717.40</b>
<b>Lighting Component Total</b>					<b>\$72,717.40</b>

**Sequence 4 Total** \$818,036.77

**Sequence:** 10 RSU - Resurfacing, Undivided **Net Length:** 0.133 MI  
702 LF  
**Description:** US 192 East Bound Intersecting with SR 429

**ROADWAY COMPONENT**

**User Input Data**

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

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	3,745.28	SY	\$12.35	\$46,254.21
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	308.99	TN	\$353.04	\$109,085.83
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	308.99	TN	\$309.81	\$95,728.19

**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	3

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	90.00 EA	\$7.66	\$689.40
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.13 GM	\$5,768.26	\$749.87
711-16-131	THERMOPLASTIC, STD-OTH, WHITE, SKIP, 6"	0.40 GM	\$2,898.45	\$1,159.38
711-16-201	THERMOPLASTIC, STD-OTH, YELLOW, SOLID, 6"	0.13 GM	\$5,919.72	\$769.56
<b>Roadway Component Total</b>				<b>\$254,436.44</b>

**SHOULDER COMPONENT**

**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	10.00 / 10.00
Total Outside Shoulder Perf. Turf Width L/R	2.67 / 2.67
Paved Outside Shoulder Width L/R	5.00 / 5.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips $\frac{1}{2}$ No. of Sides	0

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
327-70-1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	780.27 SY	\$16.85	\$13,147.55
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	42.91 TN	\$353.04	\$15,148.95
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	31.21 TN	\$309.81	\$9,669.17
570-1-1	PERFORMANCE TURF	416.66 SY	\$8.97	\$3,737.44

**Erosion Control**

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-11	FLOATING TURBIDITY BARRIER	13.30 LF	\$7.47	\$99.35
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	13.30 LF	\$3.99	\$53.07
104-18	INLET PROTECTION SYSTEM	1.00 EA	\$238.94	\$238.94
107-1	LITTER REMOVAL	0.32 AC	\$45.26	\$14.48
107-2	MOWING	0.32 AC	\$81.43	\$26.06
<b>Shoulder Component Total</b>				<b>\$42,135.01</b>

**Sequence 10 Total** **\$296,571.45**

**Sequence:** 11 RSU - Resurfacing, Undivided

**Net Length:** 0.060 MI  
319 LF

Description: US 192 West Bound. West of SR 429SB Exit Ramp

**ROADWAY COMPONENT**

**User Input Data**

Description	Value
Number of Lanes	3
Roadway Pavement Width L/R	12.00 / 24.00
Structural Spread Rate	165
Friction Course Spread Rate	165

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	1,275.65 SY	\$12.35	\$15,754.28
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	105.24 TN	\$353.04	\$37,153.93
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	105.24 TN	\$309.81	\$32,604.40

**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	2

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	33.00 EA	\$7.66	\$252.78
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.06 GM	\$5,768.26	\$346.10
711-16-131	THERMOPLASTIC, STD-OTH, WHITE, SKIP, 6"	0.12 GM	\$2,898.45	\$347.81
711-16-201	THERMOPLASTIC, STD-OTH, YELLOW, SOLID, 6"	0.06 GM	\$5,919.72	\$355.18

**Roadway Component Total** \$86,814.48

**SHOULDER COMPONENT**

**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	10.00 / 10.00
Total Outside Shoulder Perf. Turf Width L/R	2.67 / 2.67
Paved Outside Shoulder Width L/R	5.00 / 5.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2 No. of Sides	0

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
327-70-1	MILLING EXIST ASPH PAVT, 1" AVG	354.35 SY	\$16.85	\$5,970.80

	DEPTH			
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	19.49 TN	\$353.04	\$6,880.75
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	14.17 TN	\$309.81	\$4,390.01
570-1-1	PERFORMANCE TURF	189.22 SY	\$8.97	\$1,697.30

**Erosion Control**

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-11	FLOATING TURBIDITY BARRIER	6.04 LF	\$7.47	\$45.12
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	6.04 LF	\$3.99	\$24.10
104-18	INLET PROTECTION SYSTEM	1.00 EA	\$238.94	\$238.94
107-1	LITTER REMOVAL	0.15 AC	\$45.26	\$6.79
107-2	MOWING	0.15 AC	\$81.43	\$12.21
<b>Shoulder Component Total</b>				<b>\$19,266.02</b>

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**Sequence 11 Total** \$106,080.50

**Sequence:** 12 RSU - Resurfacing, Undivided **Net Length:** 0.073 MI  
383 LF

**Description:** US 192 West Bound East of SR 429 SB Exit Ramp. Includes Signalized Intersection

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**ROADWAY COMPONENT**

**User Input Data**

Description	Value
Number of Lanes	5
Roadway Pavement Width L/R	36.00 / 24.00
Structural Spread Rate	165
Friction Course Spread Rate	165

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	2,552.00 SY	\$12.35	\$31,517.20
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	210.54 TN	\$353.04	\$74,329.04
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	210.54 TN	\$309.81	\$65,227.40

**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	4

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	59.00 EA	\$7.66	\$451.94
711-16-101	THERMOPLASTIC, STD-OTH,	0.07 GM	\$5,768.26	\$403.78

	WHITE, SOLID, 6"			
711-16-131	THERMOPLASTIC, STD-OTH, WHITE, SKIP, 6"	0.29 GM	\$2,898.45	\$840.55
711-16-201	THERMOPLASTIC, STD- OTH,YELLOW, SOLID, 6"	0.07 GM	\$5,919.72	\$414.38
<b>Roadway Component Total</b>				\$173,184.29

### SHOULDER COMPONENT

#### User Input Data

Description	Value
Total Outside Shoulder Width L/R	10.00 / 10.00
Total Outside Shoulder Perf. Turf Width L/R	2.67 / 2.67
Paved Outside Shoulder Width L/R	5.00 / 5.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2 No. of Sides	0

#### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
327-70-1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	425.33 SY	\$16.85	\$7,166.81
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	23.39 TN	\$353.04	\$8,257.61
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	17.01 TN	\$309.81	\$5,269.87
570-1-1	PERFORMANCE TURF	227.13 SY	\$8.97	\$2,037.36

#### Erosion Control

##### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-11	FLOATING TURBIDITY BARRIER	7.25 LF	\$7.47	\$54.16
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	7.25 LF	\$3.99	\$28.93
104-18	INLET PROTECTION SYSTEM	1.00 EA	\$238.94	\$238.94
107-1	LITTER REMOVAL	0.18 AC	\$45.26	\$8.15
107-2	MOWING	0.18 AC	\$81.43	\$14.66

**Shoulder Component Total** \$23,076.49

### SIGNALIZATIONS COMPONENT

#### Signalization 1

Description	Value
Type	2 Lane Mast Arm
Multiplier	1
Description	SR 429 SB Exit Ramp to US 192

#### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	800.00 LF	\$9.36	\$7,488.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	200.00 LF	\$21.74	\$4,348.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00 PI	\$8,423.05	\$8,423.05

633-3-11	FIBER OPTIC CONN HDWR, SPLICE ENCLOSURE	2.00 EA	\$862.56	\$1,725.12
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	12.00 EA	\$825.77	\$9,909.24
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00 AS	\$4,218.98	\$4,218.98
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00 LF	\$8.04	\$482.40
649-21-4	STEEL MAST ARM ASSEMBLY, F&I, 40'- 30'	4.00 EA	\$76,197.28	\$304,789.12
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	8.00 AS	\$1,983.71	\$15,869.68
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00 AS	\$855.46	\$6,843.68
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	8.00 EA	\$395.65	\$3,165.20
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	8.00 AS	\$1,518.60	\$12,148.80
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00 EA	\$321.88	\$2,575.04
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00 AS	\$38,021.23	\$38,021.23
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00 EA	\$403.09	\$1,612.36

### Signalization 2

<b>Description</b>	<b>Value</b>
Type	4 Lane Mast Arm
Multiplier	1
Description	US 192 East Bound Intersection with SR 429 Entrance Ramp

### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	750.00	LF	\$9.36	\$7,020.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	250.00	LF	\$21.74	\$5,435.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$8,423.05	\$8,423.05
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	16.00	EA	\$825.77	\$13,212.32
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	\$4,218.98	\$4,218.98
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00	LF	\$8.04	\$482.40
649-21-10	STEEL MAST ARM ASSEMBLY, F&I, 60'	4.00	EA	\$70,954.83	\$283,819.32
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	12.00	AS	\$1,983.71	\$23,804.52
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00	AS	\$855.46	\$6,843.68
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	12.00	EA	\$395.65	\$4,747.80
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	12.00	AS	\$1,518.60	\$18,223.20
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00	EA	\$321.88	\$2,575.04
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00	AS	\$38,021.23	\$38,021.23
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00	EA	\$403.09	\$1,612.36

### Signalization 3

<b>Description</b>	<b>Value</b>
Type	4 Lane Mast Arm
Multiplier	1
Description	US 192 West bound intersecting

with SR 429 SB exit ramp

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	750.00	LF	\$9.36	\$7,020.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	250.00	LF	\$21.74	\$5,435.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$8,423.05	\$8,423.05
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	16.00	EA	\$825.77	\$13,212.32
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	\$4,218.98	\$4,218.98
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00	LF	\$8.04	\$482.40
649-21-10	STEEL MAST ARM ASSEMBLY, F&I, 60'	4.00	EA	\$70,954.83	\$283,819.32
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	12.00	AS	\$1,983.71	\$23,804.52
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00	AS	\$855.46	\$6,843.68
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	12.00	EA	\$395.65	\$4,747.80
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	12.00	AS	\$1,518.60	\$18,223.20
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00	EA	\$321.88	\$2,575.04
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00	AS	\$38,021.23	\$38,021.23
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00	EA	\$403.09	\$1,612.36
<b>Signalizations Component Total</b>					<b>\$1,258,497.70</b>

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**Sequence 12 Total** **\$1,454,758.48**

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Date: 10/21/2022 11:59:23 AM

## FDOT Long Range Estimating System - Production

### R3: Project Details by Sequence Report

**Project:** 446164-1-22-01

**Letting Date:** 01/2099

**Description:** PD&E STUDY TO WIDEN WESTERN BELTWAY (SR429) FROM I-4 TO SEIDEL RD.

**District:** 08      **County:** 97 TURNPIKE

**Market Area:** 99      **Units:** English

**Contract Class:** 3      **Lump Sum Project:** N

**Design/Build:** N      **Project Length:** 9.300 MI

**Project Manager:** UNDERWOOD

**Version 29 Project Grand Total**

**\$4,469,357.75**

446164-1-22-01 Version 1-P, [PD&E STUDY TO WIDEN WESTERN BELTWAY (SR429) FROM SEIDEL ROAD TO SINCLAIR ROAD] Alternative 1 for SR 429 South Bound Ramp to US 192. Includes Signalized Intersection

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**Project Sequences Subtotal**

**\$3,652,361.77**

102-1      Maintenance of Traffic

10.00 %

\$365,236.18

101-1      Mobilization

10.00 %

\$401,759.80

**Project Sequences Total**

**\$4,419,357.75**

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

**Non-Bid Components:**

<b>Pay item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
999-25	INITIAL CONTINGENCY AMOUNT (DO NOT BID)		LS	\$50,000.00	\$50,000.00
<b>Project Non-Bid Subtotal</b>					<b>\$50,000.00</b>

**Version 29 Project Grand Total** **\$4,469,357.75**



## **Appendix E**

### **TSM&O Option 2 LRE**

# FDOT Long Range Estimating System - Production

## R3: Project Details by Sequence Report

**Project:** 446164-1-22-01

**Letting Date:** 01/2099

**Description:** PD&E STUDY TO WIDEN WESTERN BELTWAY (SR429) FROM I-4 TO SEIDEL RD.

**District:** 08      **County:** 97 TURNPIKE

**Market Area:** 99      **Units:** English

**Contract Class:** 3      **Lump Sum Project:** N

**Design/Build:** N      **Project Length:** 9.300 MI

**Project Manager:** UNDERWOOD

**Version 28 Project Grand Total**

**\$13,486,053.97**

446164-1-22-01 Version 1-P. [PD&E STUDY TO WIDEN WESTERN BELTWAY (SR429) FROM

**Description:** SEIDEL ROAD TO SINCLAIR ROAD] Alternative 2 for SR 429 South Bound Ramp to US 192.  
Includes Signalized Intersection

**Sequence:** 1 NUR - New Construction, Undivided, Rural

**Net Length:** 0.485 MI  
2,558 LF

**Description:** SR429 SB Ramp to US 192 (1 of 4)

### EARTHWORK COMPONENT

**User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	40.00 / 40.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.485
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	4.69 AC	\$35,365.45	\$165,863.96
120-6	EMBANKMENT	24,783.80 CY	\$54.45	\$1,349,477.91
<b>Earthwork Component Total</b>				<b>\$1,515,341.87</b>

### 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	10,801.12 SY	\$18.93	\$204,465.20

285-709	OPTIONAL BASE,BASE GROUP 09	7,009.36 SY	\$76.60	\$536,916.98
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	937.99 TN	\$353.04	\$331,147.99
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	562.80 TN	\$309.81	\$174,361.07

#### 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	1

#### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	65.00 EA	\$7.66	\$497.90
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.48 GM	\$2,074.87	\$995.94
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	0.48 GM	\$997.70	\$478.90
711-16-201	THERMOPLASTIC, STD- OTH,YELLOW, SOLID, 6"	0.48 GM	\$5,919.72	\$2,841.47
711-16-231	THERMOPLASTIC, STD-OTH, YELLOW, SKIP, 6"	0.48 GM	\$2,305.00	\$1,106.40

#### Peripherals Subcomponent

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

#### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
521-72-41	SHLDR CONC BARRIER, RETAINING SECTION	1,087.00 LF	\$320.00	\$347,840.00

#### Roadway Component Total

\$1,600,651.84

### SHOULDER COMPONENT

#### User Input Data

Description	Value
Total Outside Shoulder Width L/R	4.00 / 10.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	165
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2No. of Sides	0

#### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	4,166.96 SY	\$30.04	\$125,175.48

334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	218.86 TN	\$353.04	\$77,266.33
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	328.30 TN	\$309.81	\$101,710.62

**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
570-1-2	PERFORMANCE TURF, SOD	10,937.00 SY	\$10.66	\$116,588.42

**Erosion Control**

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	6,651.22 LF	\$3.30	\$21,949.03
104-11	FLOATING TURBIDITY BARRIER	121.12 LF	\$7.47	\$904.77
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	121.12 LF	\$3.99	\$483.27
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$2,740.00	\$2,740.00
107-1	LITTER REMOVAL	5.87 AC	\$45.26	\$265.68
107-2	MOWING	5.87 AC	\$81.43	\$477.99

**Shoulder Component Total** \$447,561.59

**DRAINAGE COMPONENT**

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	392.00 LF	\$130.52	\$51,163.84
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	88.00 LF	\$280.79	\$24,709.52
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	20.00 EA	\$3,098.00	\$61,960.00
570-1-1	PERFORMANCE TURF	341.09 SY	\$8.97	\$3,059.58

**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
425-1-881	INLETS, BARRIER WALL, RIG, C&G, <=10'	5.00 EA	\$6,926.62	\$34,633.10

**Drainage Component Total** \$175,526.04

**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	\$561.06	\$561.06
700-1-12	SINGLE POST SIGN, F&I GM, 12- 20 SF	10.00 AS	\$1,295.01	\$12,950.10
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	1.00 AS	\$7,237.13	\$7,237.13

**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
700-3-506	SIGN PANEL, RELOCATE, 101-200 SF	4.00 EA	\$1,916.67	\$7,666.68

700-4-127	OH STATIC SIGN STR, F&I, S 151-200 FT	2.00 EA	\$223,480.40	\$446,960.80
700-4-622	OH STATIC SIGN STR, DEEP REMOVE, SPAN	2.00 EA	\$19,458.66	\$38,917.32
<b>Signing Component Total</b>				<b>\$514,293.09</b>

**LIGHTING COMPONENT**

**Rural Lighting Subcomponent**

<b>Description</b>		<b>Value</b>		
Multiplier (Number of Poles)		8		
<b>Pay Items</b>				
<b>Pay item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit Price</b>	<b>Extended Amount</b>
630-2-11	CONDUIT, F&I, OPEN TRENCH	1,600.00	LF \$9.36	\$14,976.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	8.00	EA \$825.77	\$6,606.16
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	4,800.00	LF \$6.70	\$32,160.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	8.00	EA \$10,564.67	\$84,517.36
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	8.00	EA \$896.91	\$7,175.28
<b>Subcomponent Total</b>				<b>\$145,434.80</b>
<b>Lighting Component Total</b>				<b>\$145,434.80</b>

**RETAINING WALLS COMPONENT**

**Retaining Wall 1**

<b>Description</b>	<b>Value</b>
Length	1,087.00
Begin height	5.00
End Height	5.00
Multiplier	1

**Pay Items**

<b>Pay item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit Price</b>	<b>Extended Amount</b>
548-12	RET WALL SYSTEM, PERM, EX BARRIER	5,435.00	SF \$43.98	\$239,031.30
<b>Retaining Walls Component Total</b>				<b>\$239,031.30</b>

**UTILITIES COMPONENT**

**EX-Items**

<b>Pay item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit Price</b>	<b>Extended Amount</b>
1000-7	UTILITY WORK	2.00	EA \$500,000.00	\$1,000,000.00
<b>Comment:</b> RELOCATION OF TRANSMISSION POLLS				
<b>Utilities Component Total</b>				<b>\$1,000,000.00</b>

**Sequence 1 Total** **\$5,637,840.53**

Description: SR429 SB Ramp to US 192 (2 of 4)

**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	50.00 / 50.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.104
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	1.26 AC	\$35,365.45	\$44,560.47
120-6	EMBANKMENT	6,019.37 CY	\$54.45	\$327,754.70
<b>Earthwork Component Total</b>				<b>\$372,315.17</b>

**ROADWAY COMPONENT****User Input Data**

Description	Value
Number of Lanes	3
Roadway Pavement Width L/R	12.00 / 24.00
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	3,056.53 SY	\$18.93	\$57,860.11
285-709	OPTIONAL BASE,BASE GROUP 09	2,241.05 SY	\$76.60	\$171,664.43
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	302.60 TN	\$353.04	\$106,829.90
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	181.56 TN	\$309.81	\$56,249.10

**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	2

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	56.00 EA	\$7.66	\$428.96
710-11-101	PAINTED PAVT	0.10 GM	\$2,074.87	\$207.49

710-11-231	MARK,STD,WHITE,SOLID,6" PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.21 GM	\$977.63	\$205.30
711-16-131	THERMOPLASTIC, STD-OTH, WHITE, SKIP, 6"	0.21 GM	\$2,898.45	\$608.67
711-16-201	THERMOPLASTIC, STD- OTH,YELLOW, SOLID, 6"	0.10 GM	\$5,919.72	\$591.97

#### Peripherals Subcomponent

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

#### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
521-72-41	SHLDR CONC BARRIER, RETAINING SECTION	346.00 LF	\$320.00	\$110,720.00

**Roadway Component Total** \$505,365.93

### SHOULDER COMPONENT

#### User Input Data

Description	Value
Total Outside Shoulder Width L/R	4.00 / 10.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	165
Total Width (T) / 8" Overlap (O)	T
Rumble Strips $\frac{1}{2}$ No. of Sides	0

#### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	896.18 SY	\$30.04	\$26,921.25
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	47.07 TN	\$353.04	\$16,617.59
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	70.61 TN	\$309.81	\$21,875.68

#### X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
521-72-40	SHLDR CONC BARRIER,38" OR 44" HEIGHT	105.80 LF	\$303.34	\$32,093.37
570-1-2	PERFORMANCE TURF, SOD	3,169.00 SY	\$10.66	\$33,781.54

#### Erosion Control

##### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	1,430.46 LF	\$3.30	\$4,720.52
104-11	FLOATING TURBIDITY BARRIER	26.05 LF	\$7.47	\$194.59
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	26.05 LF	\$3.99	\$103.94

104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$2,740.00	\$2,740.00
107-1	LITTER REMOVAL	1.26 AC	\$45.26	\$57.03
107-2	MOWING	1.26 AC	\$81.43	\$102.60
<b>Shoulder Component Total</b>				\$139,208.11

**DRAINAGE COMPONENT**

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	88.00 LF	\$130.52	\$11,485.76
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	24.00 LF	\$280.79	\$6,738.96
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	5.00 EA	\$3,098.00	\$15,490.00
570-1-1	PERFORMANCE TURF	73.36 SY	\$8.97	\$658.04

**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
425-1-881	INLETS, BARRIER WALL, RIG, C&G, <=10'	2.00 EA	\$6,926.62	\$13,853.24

**Drainage Component Total** \$48,226.00

**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	\$561.06	\$561.06
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	3.00 AS	\$1,295.01	\$3,885.03
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	1.00 AS	\$7,237.13	\$7,237.13

**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
700-3-506	SIGN PANEL, RELOCATE, 101-200 SF	1.00 EA	\$1,916.67	\$1,916.67
700-4-114	OH STATIC SIGN STR, F&I, C 41-50 FT	1.00 EA	\$119,202.82	\$119,202.82
700-4-611	OH STATIC SIGN STR, SHALLOW REMOVE, CANT	1.00 EA	\$6,965.82	\$6,965.82

**Signing Component Total** \$139,768.53

**LIGHTING COMPONENT**

**Rural Lighting Subcomponent**

<b>Description</b>	<b>Value</b>
Multiplier (Number of Poles)	4

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	800.00 LF	\$9.36	\$7,488.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x	4.00 EA	\$825.77	\$3,303.08



715-1-13	24" LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	2,400.00 LF	\$6.70	\$16,080.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	4.00 EA	\$10,564.67	\$42,258.68
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	4.00 EA	\$896.91	\$3,587.64
	<b>Subcomponent Total</b>			\$72,717.40
	<b>Lighting Component Total</b>			\$72,717.40

### RETAINING WALLS COMPONENT

#### Retaining Wall 1

Description	Value
Length	346.00
Begin height	5.00
End Height	5.00
Multiplier	1

#### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	1,730.00 SF	\$43.98	\$76,085.40
	<b>Retaining Walls Component Total</b>			\$76,085.40

### UTILITIES COMPONENT

#### EX-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
1000-7	UTILITY WORK <b>Comment:</b> RELOCATION OF TRANSMISSION POLLS	1.00 EA	\$500,000.00	\$500,000.00
	<b>Utilities Component Total</b>			\$500,000.00

**Sequence 2 Total** \$1,853,686.54

**Sequence:** 3 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.128 MI  
676 LF  
**Description:** SR429 SB Ramp to US 192 (3 of 4)

### EARTHWORK COMPONENT

#### User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	40.00 / 40.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.128
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1

Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
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	\$35,365.45	\$43,853.16
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	374.72 CY	\$671.72	\$251,706.92
<b>Earthwork Component Total</b>				<b>\$295,560.08</b>

### ROADWAY COMPONENT

#### User Input Data

Description	Value
Number of Lanes	3
Existing Roadway Pavement Width L/R	12.00 / 0.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 24.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

#### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	2,553.17 SY	\$18.93	\$48,331.51
285-709	OPTIONAL BASE,BASE GROUP 09	1,827.02 SY	\$76.60	\$139,949.73
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	901.12 SY	\$12.35	\$11,128.83
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	74.34 TN	\$353.04	\$26,244.99
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	247.81 TN	\$353.04	\$87,486.84
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	36.04 TN	\$309.81	\$11,165.55
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	148.68 TN	\$309.81	\$46,062.55

#### 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	2

#### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	69.00 EA	\$7.66	\$528.54
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.13 GM	\$5,768.26	\$749.87
711-16-131	THERMOPLASTIC, STD-OTH, WHITE, SKIP, 6"	0.26 GM	\$2,898.45	\$753.60
711-16-201	THERMOPLASTIC, STD-OTH,YELLOW, SOLID, 6"	0.13 GM	\$5,919.72	\$769.56

**SHOULDER COMPONENT****User Input Data**

Description	Value
Existing Total Outside Shoulder Width L/R	4.00 / 0.00
New Total Outside Shoulder Width L/R	0.00 / 10.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Existing Paved Outside Shoulder Width L/R	4.00 / 0.00
New Paved Outside Shoulder Width L/R	0.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2No. of Sides	0

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	775.71	SY	\$30.04	\$23,302.33
327-70-1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	300.37	SY	\$16.85	\$5,061.23
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	41.30	TN	\$353.04	\$14,580.55
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	30.04	TN	\$309.81	\$9,306.69

**X-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
570-1-2	PERFORMANCE TURF, SOD	2,035.00	SY	\$10.66	\$21,693.10

**Erosion Control****Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	1,554.43	LF	\$3.30	\$5,129.62
104-11	FLOATING TURBIDITY BARRIER	12.80	LF	\$7.47	\$95.62
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	12.80	LF	\$3.99	\$51.07
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,740.00	\$2,740.00
104-18	INLET PROTECTION SYSTEM	1.00	EA	\$238.94	\$238.94
107-1	LITTER REMOVAL	0.31	AC	\$45.26	\$14.03
107-2	MOWING	0.31	AC	\$81.43	\$25.24

**Shoulder Component Total**

\$82,238.43

**DRAINAGE COMPONENT****Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	24.00	LF	\$130.52	\$3,132.48
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	16.00	LF	\$280.79	\$4,492.64
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	2.00	EA	\$3,098.00	\$6,196.00
570-1-1	PERFORMANCE TURF	51.71	SY	\$8.97	\$463.84

**Drainage Component Total**

**\$14,284.96**

**SIGNING COMPONENT**

**Pay Items**

<b>Pay item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	1.00	AS	\$561.06	\$561.06
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	3.00	AS	\$1,295.01	\$3,885.03
700-1-50	SINGLE POST SIGN, RELOCATE	1.00	AS	\$307.80	\$307.80
700-1-60	SINGLE POST SIGN, REMOVE	3.00	AS	\$202.18	\$606.54
700-2-13	MULTI- POST SIGN, F&I GM, 21-30 SF	1.00	AS	\$5,822.23	\$5,822.23
700-2-60	MULTI- POST SIGN, REMOVE	1.00	AS	\$838.95	\$838.95
<b>Signing Component Total</b>					<b>\$12,021.61</b>

**LIGHTING COMPONENT**

**Rural Lighting Subcomponent**

<b>Description</b>	<b>Value</b>				
Multiplier (Number of Poles)	5				
<b>Pay Items</b>					
<b>Pay item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,000.00	LF	\$9.36	\$9,360.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	5.00	EA	\$825.77	\$4,128.85
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	3,000.00	LF	\$6.70	\$20,100.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	5.00	EA	\$10,564.67	\$52,823.35
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	5.00	EA	\$896.91	\$4,484.55
<b>Subcomponent Total</b>					<b>\$90,896.75</b>
<b>Lighting Component Total</b>					<b>\$90,896.75</b>

**Sequence 3 Total**

**\$868,173.40**

**Sequence:** 4 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.088 MI  
462 LF  
**Description:** SR429 SB Ramp to US 192 (4 of 4)

**EARTHWORK COMPONENT**

**User Input Data**

<b>Description</b>	<b>Value</b>
Standard Clearing and Grubbing Limits L/R	60.00 / 60.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.088
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00

Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
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	\$35,365.45	\$45,267.78
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	229.39	CY	\$671.72	\$154,085.85
<b>Earthwork Component Total</b>					<b>\$199,353.63</b>

### ROADWAY COMPONENT

#### User Input Data

Description	Value
Number of Lanes	5
Existing Roadway Pavement Width L/R	12.00 / 0.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 48.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

#### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	2,977.33	SY	\$18.93	\$56,360.86
285-709	OPTIONAL BASE,BASE GROUP 09	2,480.94	SY	\$76.60	\$190,040.00
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	616.00	SY	\$12.35	\$7,607.60
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	50.82	TN	\$353.04	\$17,941.49
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	338.80	TN	\$353.04	\$119,609.95
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	24.64	TN	\$309.81	\$7,633.72
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	203.28	TN	\$309.81	\$62,978.18

#### X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6" <b>Comment:</b> Markings for Turn Lanes	0.18	GM	\$5,768.26	\$1,038.29
711-16-131	THERMOPLASTIC, STD-OTH, WHITE, SKIP, 6" <b>Comment:</b> Markings Prior to Turn Lanes	0.09	GM	\$2,898.45	\$260.86

#### 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

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	71.00	EA	\$7.66	\$543.86
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.09	GM	\$5,768.26	\$519.14
711-16-201	THERMOPLASTIC, STD- OTH,YELLOW, SOLID, 6"	0.09	GM	\$5,919.72	\$532.77
<b>Roadway Component Total</b>					<b>\$465,066.72</b>

**SHOULDER COMPONENT****User Input Data**

Description	Value
Existing Total Outside Shoulder Width L/R	4.00 / 0.00
New Total Outside Shoulder Width L/R	0.00 / 10.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Existing Paved Outside Shoulder Width L/R	4.00 / 0.00
New Paved Outside Shoulder Width L/R	0.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips $\bar{i}$ $\frac{1}{2}$ No. of Sides	0

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	530.27	SY	\$30.04	\$15,929.31
327-70-1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	205.33	SY	\$16.85	\$3,459.81
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	28.23	TN	\$353.04	\$9,966.32
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	20.53	TN	\$309.81	\$6,360.40

**X-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
570-1-2	PERFORMANCE TURF, SOD	1,904.00	SY	\$10.66	\$20,296.64

**Erosion Control****Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	1,062.60	LF	\$3.30	\$3,506.58
104-11	FLOATING TURBIDITY BARRIER	8.75	LF	\$7.47	\$65.36
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	8.75	LF	\$3.99	\$34.91
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,740.00	\$2,740.00
104-18	INLET PROTECTION SYSTEM	1.00	EA	\$238.94	\$238.94
107-1	LITTER REMOVAL	0.21	AC	\$45.26	\$9.50
107-2	MOWING	0.21	AC	\$81.43	\$17.10

**Shoulder Component Total****\$62,624.87**

**DRAINAGE COMPONENT**

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	16.00	LF	\$130.52	\$2,088.32
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	8.00	LF	\$280.79	\$2,246.32
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	1.00	EA	\$3,098.00	\$3,098.00
570-1-1	PERFORMANCE TURF	35.35	SY	\$8.97	\$317.09
<b>Drainage Component Total</b>					<b>\$7,749.73</b>

**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	\$561.06	\$561.06
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	2.00	AS	\$1,295.01	\$2,590.02
700-1-50	SINGLE POST SIGN, RELOCATE	1.00	AS	\$307.80	\$307.80
700-1-60	SINGLE POST SIGN, REMOVE	2.00	AS	\$202.18	\$404.36
700-2-13	MULTI- POST SIGN, F&I GM, 21-30 SF	1.00	AS	\$5,822.23	\$5,822.23
700-2-60	MULTI- POST SIGN, REMOVE	1.00	AS	\$838.95	\$838.95
<b>Signing Component Total</b>					<b>\$10,524.42</b>

**LIGHTING COMPONENT**

**Rural Lighting Subcomponent**

Description	Value				
Multiplier (Number of Poles)	4				
<b>Pay Items</b>					
Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	800.00	LF	\$9.36	\$7,488.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	4.00	EA	\$825.77	\$3,303.08
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	2,400.00	LF	\$6.70	\$16,080.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	4.00	EA	\$10,564.67	\$42,258.68
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	4.00	EA	\$896.91	\$3,587.64
<b>Subcomponent Total</b>					<b>\$72,717.40</b>
<b>Lighting Component Total</b>					<b>\$72,717.40</b>

**Sequence 4 Total** **\$818,036.77**

**Sequence:** 10 RSU - Resurfacing, Undivided

**Net Length:** 0.133 MI  
702 LF

**Description:** US 192 East Bound Intersecting with SR 429

**ROADWAY COMPONENT**

**User Input Data**

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

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	3,745.28 SY	\$12.35	\$46,254.21
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	308.99 TN	\$353.04	\$109,085.83
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	308.99 TN	\$309.81	\$95,728.19

**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	3

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	90.00 EA	\$7.66	\$689.40
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.13 GM	\$5,768.26	\$749.87
711-16-131	THERMOPLASTIC, STD-OTH, WHITE, SKIP, 6"	0.40 GM	\$2,898.45	\$1,159.38
711-16-201	THERMOPLASTIC, STD-OTH, YELLOW, SOLID, 6"	0.13 GM	\$5,919.72	\$769.56
<b>Roadway Component Total</b>				<b>\$254,436.44</b>

**SHOULDER COMPONENT****User Input Data**

Description	Value
Total Outside Shoulder Width L/R	10.00 / 10.00
Total Outside Shoulder Perf. Turf Width L/R	2.67 / 2.67
Paved Outside Shoulder Width L/R	5.00 / 5.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2 No. of Sides	0

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
327-70-1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	780.27 SY	\$16.85	\$13,147.55
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	42.91 TN	\$353.04	\$15,148.95



337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	31.21 TN	\$309.81	\$9,669.17
570-1-1	PERFORMANCE TURF	416.66 SY	\$8.97	\$3,737.44

**Erosion Control**

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-11	FLOATING TURBIDITY BARRIER	13.30 LF	\$7.47	\$99.35
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	13.30 LF	\$3.99	\$53.07
104-18	INLET PROTECTION SYSTEM	1.00 EA	\$238.94	\$238.94
107-1	LITTER REMOVAL	0.32 AC	\$45.26	\$14.48
107-2	MOWING	0.32 AC	\$81.43	\$26.06
<b>Shoulder Component Total</b>				\$42,135.01

**Sequence 10 Total** \$296,571.45

**Sequence:** 11 RSU - Resurfacing, Undivided

**Net Length:** 0.060 MI  
319 LF

**Description:** US 192 West Bound. West of SR 429SB Exit Ramp

**ROADWAY COMPONENT**

**User Input Data**

Description	Value
Number of Lanes	3
Roadway Pavement Width L/R	12.00 / 24.00
Structural Spread Rate	165
Friction Course Spread Rate	165

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	1,275.65 SY	\$12.35	\$15,754.28
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	105.24 TN	\$353.04	\$37,153.93
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	105.24 TN	\$309.81	\$32,604.40

**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	2

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	33.00 EA	\$7.66	\$252.78
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.06 GM	\$5,768.26	\$346.10

711-16-131	THERMOPLASTIC, STD-OTH, WHITE, SKIP, 6"	0.12 GM	\$2,898.45	\$347.81
711-16-201	THERMOPLASTIC, STD- OTH,YELLOW, SOLID, 6"	0.06 GM	\$5,919.72	\$355.18
<b>Roadway Component Total</b>				<b>\$86,814.48</b>

### SHOULDER COMPONENT

#### User Input Data

Description	Value
Total Outside Shoulder Width L/R	10.00 / 10.00
Total Outside Shoulder Perf. Turf Width L/R	2.67 / 2.67
Paved Outside Shoulder Width L/R	5.00 / 5.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2No. of Sides	0

#### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
327-70-1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	354.35 SY	\$16.85	\$5,970.80
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	19.49 TN	\$353.04	\$6,880.75
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	14.17 TN	\$309.81	\$4,390.01
570-1-1	PERFORMANCE TURF	189.22 SY	\$8.97	\$1,697.30

#### Erosion Control

#### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-11	FLOATING TURBIDITY BARRIER	6.04 LF	\$7.47	\$45.12
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	6.04 LF	\$3.99	\$24.10
104-18	INLET PROTECTION SYSTEM	1.00 EA	\$238.94	\$238.94
107-1	LITTER REMOVAL	0.15 AC	\$45.26	\$6.79
107-2	MOWING	0.15 AC	\$81.43	\$12.21

**Shoulder Component Total** \$19,266.02

**Sequence 11 Total** \$106,080.50

**Sequence:** 12 RSU - Resurfacing, Undivided

**Net Length:** 0.073 MI  
383 LF

**Description:** US 192 West Bound East of SR 429 SB Exit Ramp. Includes Signalized Intersection

### ROADWAY COMPONENT

#### User Input Data

Description	Value
Number of Lanes	5
Roadway Pavement Width L/R	36.00 / 24.00
Structural Spread Rate	165
Friction Course Spread Rate	165

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	2,552.00	SY	\$12.35	\$31,517.20
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	210.54	TN	\$353.04	\$74,329.04
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	210.54	TN	\$309.81	\$65,227.40

**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	4

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	59.00	EA	\$7.66	\$451.94
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.07	GM	\$5,768.26	\$403.78
711-16-131	THERMOPLASTIC, STD-OTH, WHITE, SKIP, 6"	0.29	GM	\$2,898.45	\$840.55
711-16-201	THERMOPLASTIC, STD-OTH, YELLOW, SOLID, 6"	0.07	GM	\$5,919.72	\$414.38

**Roadway Component Total**

\$173,184.29

**SHOULDER COMPONENT****User Input Data**

Description	Value
Total Outside Shoulder Width L/R	10.00 / 10.00
Total Outside Shoulder Perf. Turf Width L/R	2.67 / 2.67
Paved Outside Shoulder Width L/R	5.00 / 5.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2 No. of Sides	0

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
327-70-1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	425.33	SY	\$16.85	\$7,166.81
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	23.39	TN	\$353.04	\$8,257.61
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	17.01	TN	\$309.81	\$5,269.87
570-1-1	PERFORMANCE TURF	227.13	SY	\$8.97	\$2,037.36

**Erosion Control****Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-11	FLOATING TURBIDITY BARRIER	7.25	LF	\$7.47	\$54.16

104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	7.25 LF	\$3.99	\$28.93
104-18	INLET PROTECTION SYSTEM	1.00 EA	\$238.94	\$238.94
107-1	LITTER REMOVAL	0.18 AC	\$45.26	\$8.15
107-2	MOWING	0.18 AC	\$81.43	\$14.66
<b>Shoulder Component Total</b>				<b>\$23,076.49</b>

### SIGNALIZATIONS COMPONENT

#### Signalization 1

<b>Description</b>	<b>Value</b>
Type	2 Lane Mast Arm
Multiplier	1
Description	SR 429 SB Exit Ramp to US 192

#### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	800.00	LF	\$9.36	\$7,488.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	200.00	LF	\$21.74	\$4,348.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$8,423.05	\$8,423.05
633-3-11	FIBER OPTIC CONN HDWR, SPLICE ENCLOSURE	2.00	EA	\$862.56	\$1,725.12
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	12.00	EA	\$825.77	\$9,909.24
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	\$4,218.98	\$4,218.98
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00	LF	\$8.04	\$482.40
649-21-4	STEEL MAST ARM ASSEMBLY, F&I, 40'- 30'	4.00	EA	\$76,197.28	\$304,789.12
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	8.00	AS	\$1,983.71	\$15,869.68
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00	AS	\$855.46	\$6,843.68
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	8.00	EA	\$395.65	\$3,165.20
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	8.00	AS	\$1,518.60	\$12,148.80
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00	EA	\$321.88	\$2,575.04
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00	AS	\$38,021.23	\$38,021.23
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00	EA	\$403.09	\$1,612.36

#### Signalization 2

<b>Description</b>	<b>Value</b>
Type	4 Lane Mast Arm
Multiplier	1
Description	US 192 East Bound Intersection with SR 429 Entrance Ramp

#### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	750.00	LF	\$9.36	\$7,020.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	250.00	LF	\$21.74	\$5,435.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$8,423.05	\$8,423.05

635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	16.00 EA	\$825.77	\$13,212.32
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00 AS	\$4,218.98	\$4,218.98
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00 LF	\$8.04	\$482.40
649-21-10	STEEL MAST ARM ASSEMBLY, F&I, 60'	4.00 EA	\$70,954.83	\$283,819.32
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	12.00 AS	\$1,983.71	\$23,804.52
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00 AS	\$855.46	\$6,843.68
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	12.00 EA	\$395.65	\$4,747.80
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	12.00 AS	\$1,518.60	\$18,223.20
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00 EA	\$321.88	\$2,575.04
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00 AS	\$38,021.23	\$38,021.23
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00 EA	\$403.09	\$1,612.36

### Signalization 3

<b>Description</b>	<b>Value</b>
Type	4 Lane Mast Arm
Multiplier	1
Description	US 192 West bound intersecting with SR 429 SB exit ramp

### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	750.00	LF	\$9.36	\$7,020.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	250.00	LF	\$21.74	\$5,435.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$8,423.05	\$8,423.05
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	16.00	EA	\$825.77	\$13,212.32
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	\$4,218.98	\$4,218.98
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00	LF	\$8.04	\$482.40
649-21-10	STEEL MAST ARM ASSEMBLY, F&I, 60'	4.00	EA	\$70,954.83	\$283,819.32
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	12.00	AS	\$1,983.71	\$23,804.52
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00	AS	\$855.46	\$6,843.68
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	12.00	EA	\$395.65	\$4,747.80
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	12.00	AS	\$1,518.60	\$18,223.20
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00	EA	\$321.88	\$2,575.04
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00	AS	\$38,021.23	\$38,021.23
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00	EA	\$403.09	\$1,612.36
<b>Signalizations Component Total</b>					<b>\$1,258,497.70</b>

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**Sequence 12 Total** **\$1,454,758.48**

# FDOT Long Range Estimating System - Production

## R3: Project Details by Sequence Report

**Project:** 446164-1-22-01

**Letting Date:** 01/2099

**Description:** PD&E STUDY TO WIDEN WESTERN BELTWAY (SR429) FROM I-4 TO SEIDEL RD.

**District:** 08      **County:** 97 TURNPIKE      **Market Area:** 99      **Units:** English

**Contract Class:** 3   **Lump Sum Project:** N      **Design/Build:** N      **Project Length:** 9.300 MI

**Project Manager:** UNDERWOOD

**Version 28 Project Grand Total** **\$13,486,053.97**

446164-1-22-01 Version 1-P. [PD&E STUDY TO WIDEN WESTERN BELTWAY (SR429) FROM

**Description:** SEIDEL ROAD TO SINCLAIR ROAD] Alternative 2 for SR 429 South Bound Ramp to US 192.  
Includes Signalized Intersection

**Project Sequences Subtotal** **\$11,035,147.67**

102-1	Maintenance of Traffic	10.00 %	\$1,103,514.77
101-1	Mobilization	10.00 %	\$1,213,866.24

**Project Sequences Total** **\$13,352,528.68**

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

**Non-Bid Components:**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
999-25	INITIAL CONTINGENCY AMOUNT (DO NOT BID)		LS	\$133,525.29	\$133,525.29

**Project Non-Bid Subtotal** **\$133,525.29**

**Version 28 Project Grand Total** **\$13,486,053.97**

## **Appendix E**

### **TSM&O Option 3 LRE**

# FDOT Long Range Estimating System - Production

## R3: Project Details by Sequence Report

**Project:** 446164-1-22-01

**Letting Date:** 01/2099

**Description:** PD&E STUDY TO WIDEN WESTERN BELTWAY (SR429) FROM I-4 TO SEIDEL RD.

**District:** 08      **County:** 97 TURNPIKE

**Market Area:** 99      **Units:** English

**Contract Class:** 3      **Lump Sum Project:** N

**Design/Build:** N      **Project Length:** 9.300 MI

**Project Manager:** UNDERWOOD

**Version 27 Project Grand Total**

**\$18,489,127.44**

446164-1-22-01 Version 1-P. [PD&E STUDY TO WIDEN WESTERN BELTWAY (SR429) FROM

**Description:** SEIDEL ROAD TO SINCLAIR ROAD] Alternative 3 for SR 429 South Bound Ramp to US 192.  
Includes Signalized Intersection

**Sequence:** 1 NUR - New Construction, Undivided, Rural

**Net Length:** 0.206 MI  
1,087 LF

**Description:** SR429 SB Ramp to US 192 (1 of 4)

### EARTHWORK COMPONENT

**User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	40.00 / 40.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.206
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	2.00 AC	\$35,365.45	\$70,730.90
120-6	EMBANKMENT	10,526.73 CY	\$54.45	\$573,180.45
<b>Earthwork Component Total</b>				<b>\$643,911.35</b>

### 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	4,590.20 SY	\$18.93	\$86,892.49



285-709	OPTIONAL BASE,BASE GROUP 09	2,978.80 SY	\$76.60	\$228,176.08
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	398.62 TN	\$353.04	\$140,728.80
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	239.17 TN	\$309.81	\$74,097.26

#### 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	1

#### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	28.00 EA	\$7.66	\$214.48
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.21 GM	\$2,074.87	\$435.72
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	0.21 GM	\$997.70	\$209.52
711-16-201	THERMOPLASTIC, STD- OTH,YELLOW, SOLID, 6"	0.21 GM	\$5,919.72	\$1,243.14
711-16-231	THERMOPLASTIC, STD-OTH, YELLOW, SKIP, 6"	0.21 GM	\$2,305.00	\$484.05

#### Peripherals Subcomponent

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

#### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
521-72-41	SHLDR CONC BARRIER, RETAINING SECTION	1,087.00 LF	\$320.00	\$347,840.00

**Roadway Component Total** \$880,321.54

### SHOULDER COMPONENT

#### User Input Data

Description	Value
Total Outside Shoulder Width L/R	4.00 / 10.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	165
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2No. of Sides	0

#### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	1,770.85 SY	\$30.04	\$53,196.33

334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	93.01 TN	\$353.04	\$32,836.25
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	139.52 TN	\$309.81	\$43,224.69

**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
570-1-2	PERFORMANCE TURF, SOD	4,037.00 SY	\$10.66	\$43,034.42

**Erosion Control**

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	2,826.60 LF	\$3.30	\$9,327.78
104-11	FLOATING TURBIDITY BARRIER	51.48 LF	\$7.47	\$384.56
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	51.48 LF	\$3.99	\$205.41
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$2,740.00	\$2,740.00
107-1	LITTER REMOVAL	2.50 AC	\$45.26	\$113.15
107-2	MOWING	2.50 AC	\$81.43	\$203.58

**Shoulder Component Total** \$185,266.17

**DRAINAGE COMPONENT**

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	168.00 LF	\$130.52	\$21,927.36
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	40.00 LF	\$280.79	\$11,231.60
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	9.00 EA	\$3,098.00	\$27,882.00
570-1-1	PERFORMANCE TURF	144.95 SY	\$8.97	\$1,300.20

**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
425-1-881	INLETS, BARRIER WALL, RIG, C&G, <=10'	2.00 EA	\$6,926.62	\$13,853.24

**Drainage Component Total** \$76,194.40

**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	\$561.06	\$561.06
700-1-12	SINGLE POST SIGN, F&I GM, 12- 20 SF	5.00 AS	\$1,295.01	\$6,475.05
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	1.00 AS	\$7,237.13	\$7,237.13

**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
700-3-506	SIGN PANEL, RELOCATE, 101-200 SF	2.00 EA	\$1,916.67	\$3,833.34

700-4-127	OH STATIC SIGN STR, F&I, S 151-200 FT	1.00 EA	\$223,480.40	\$223,480.40
700-4-622	OH STATIC SIGN STR, DEEP REMOVE, SPAN	1.00 EA	\$19,458.66	\$19,458.66
<b>Signing Component Total</b>				\$261,045.64

### LIGHTING COMPONENT

#### Rural Lighting Subcomponent

<b>Description</b>		<b>Value</b>			
Multiplier (Number of Poles)		8			
<b>Pay Items</b>					
<b>Pay item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,600.00	LF	\$9.36	\$14,976.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	8.00	EA	\$825.77	\$6,606.16
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	4,800.00	LF	\$6.70	\$32,160.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	8.00	EA	\$10,564.67	\$84,517.36
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	8.00	EA	\$896.91	\$7,175.28
<b>Subcomponent Total</b>					\$145,434.80
<b>Lighting Component Total</b>					\$145,434.80

### RETAINING WALLS COMPONENT

#### Retaining Wall 1

<b>Description</b>		<b>Value</b>			
Length		1,087.00			
Begin height		5.00			
End Height		5.00			
Multiplier		1			
<b>Pay Items</b>					
<b>Pay item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
548-12	RET WALL SYSTEM, PERM, EX BARRIER	5,435.00	SF	\$43.98	\$239,031.30
<b>Retaining Walls Component Total</b>					\$239,031.30

### UTILITIES COMPONENT

#### EX-Items

<b>Pay item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
1000-7	UTILITY WORK	2.00	EA	\$500,000.00	\$1,000,000.00
<b>Comment:</b> RELOCATION OF TRANSMISSION POLLS					
<b>Utilities Component Total</b>					\$1,000,000.00

**Sequence 1 Total** \$3,431,205.20

Description: SR429 SB Ramp to US 192 (2 of 4)

**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	50.00 / 50.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.104
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	1.26 AC	\$35,365.45	\$44,560.47
120-6	EMBANKMENT	6,019.37 CY	\$54.45	\$327,754.70
<b>Earthwork Component Total</b>				<b>\$372,315.17</b>

**ROADWAY COMPONENT****User Input Data**

Description	Value
Number of Lanes	3
Roadway Pavement Width L/R	12.00 / 24.00
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	3,056.53 SY	\$18.93	\$57,860.11
285-709	OPTIONAL BASE,BASE GROUP 09	2,241.05 SY	\$76.60	\$171,664.43
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	302.60 TN	\$353.04	\$106,829.90
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	181.56 TN	\$309.81	\$56,249.10

**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	2

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	56.00 EA	\$7.66	\$428.96
710-11-101	PAINTED PAVT	0.10 GM	\$2,074.87	\$207.49

710-11-231	MARK,STD,WHITE,SOLID,6" PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.21 GM	\$977.63	\$205.30
711-16-131	THERMOPLASTIC, STD-OTH, WHITE, SKIP, 6"	0.21 GM	\$2,898.45	\$608.67
711-16-201	THERMOPLASTIC, STD- OTH,YELLOW, SOLID, 6"	0.10 GM	\$5,919.72	\$591.97

#### Peripherals Subcomponent

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

#### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
521-72-41	SHLDR CONC BARRIER, RETAINING SECTION	346.00 LF	\$320.00	\$110,720.00

**Roadway Component Total** \$505,365.93

### SHOULDER COMPONENT

#### User Input Data

Description	Value
Total Outside Shoulder Width L/R	4.00 / 10.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	165
Total Width (T) / 8" Overlap (O)	T
Rumble Strips $i_c \frac{1}{2}$ No. of Sides	0

#### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	896.18 SY	\$30.04	\$26,921.25
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	47.07 TN	\$353.04	\$16,617.59
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	70.61 TN	\$309.81	\$21,875.68

#### X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
570-1-2	PERFORMANCE TURF, SOD	3,169.00 SY	\$10.66	\$33,781.54

#### Erosion Control

##### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	1,430.46 LF	\$3.30	\$4,720.52
104-11	FLOATING TURBIDITY BARRIER	26.05 LF	\$7.47	\$194.59
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	26.05 LF	\$3.99	\$103.94
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$2,740.00	\$2,740.00

107-1	LITTER REMOVAL	1.26 AC	\$45.26	\$57.03
107-2	MOWING	1.26 AC	\$81.43	\$102.60
<b>Shoulder Component Total</b>				\$107,114.74

**DRAINAGE COMPONENT**

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	88.00 LF	\$130.52	\$11,485.76
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	24.00 LF	\$280.79	\$6,738.96
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	5.00 EA	\$3,098.00	\$15,490.00
570-1-1	PERFORMANCE TURF	73.36 SY	\$8.97	\$658.04

**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
425-1-881	INLETS, BARRIER WALL, RIG, C&G, <=10'	1.00 EA	\$6,926.62	\$6,926.62

**Drainage Component Total** \$41,299.38

**SIGNING COMPONENT**

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	1.00 AS	\$561.06	\$561.06
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	3.00 AS	\$1,295.01	\$3,885.03
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	1.00 AS	\$7,237.13	\$7,237.13

**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
700-3-506	SIGN PANEL, RELOCATE, 101-200 SF	1.00 EA	\$1,916.67	\$1,916.67
700-4-114	OH STATIC SIGN STR, F&I, C 41-50 FT	1.00 EA	\$119,202.82	\$119,202.82
700-4-611	OH STATIC SIGN STR, SHALLOW REMOVE, CANT	1.00 EA	\$6,965.82	\$6,965.82

**Signing Component Total** \$139,768.53

**LIGHTING COMPONENT**

**Rural Lighting Subcomponent**

<b>Description</b>	<b>Value</b>
Multiplier (Number of Poles)	4

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	800.00 LF	\$9.36	\$7,488.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	4.00 EA	\$825.77	\$3,303.08
715-1-13	LIGHTING CONDUCTORS, F&I,	2,400.00 LF	\$6.70	\$16,080.00

715-61-442	INSUL, NO.4-2 LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	4.00 EA	\$10,564.67	\$42,258.68
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	4.00 EA	\$896.91	\$3,587.64
	<b>Subcomponent Total</b>			\$72,717.40
	<b>Lighting Component Total</b>			\$72,717.40

### RETAINING WALLS COMPONENT

#### Retaining Wall 1

Description	Value
Length	346.00
Begin height	5.00
End Height	5.00
Multiplier	1

#### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	1,730.00 SF	\$43.98	\$76,085.40

**Retaining Walls Component Total** \$76,085.40

### UTILITIES COMPONENT

#### EX-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
1000-7	UTILITY WORK <b>Comment:</b> RELOCATION OF TRANSMISSION POLLS	1.00 EA	\$500,000.00	\$500,000.00

**Utilities Component Total** \$500,000.00

**Sequence 2 Total** \$1,814,666.55

**Sequence:** 3 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.128 MI  
676 LF  
**Description:** SR429 SB Ramp to US 192 (3 of 4)

### EARTHWORK COMPONENT

#### User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	40.00 / 40.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.128
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1

Outside Shoulder Cross Slope L/R  
Roadway Cross Slope L/R

6.00 % / 6.00 %  
2.00 % / 2.00 %

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.24 AC	\$35,365.45	\$43,853.16
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	374.72 CY	\$671.72	\$251,706.92
<b>Earthwork Component Total</b>				<b>\$295,560.08</b>

**ROADWAY COMPONENT**

**User Input Data**

Description	Value
Number of Lanes	3
Existing Roadway Pavement Width L/R	12.00 / 0.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 24.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	2,553.17 SY	\$18.93	\$48,331.51
285-709	OPTIONAL BASE,BASE GROUP 09	1,827.02 SY	\$76.60	\$139,949.73
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	901.12 SY	\$12.35	\$11,128.83
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	74.34 TN	\$353.04	\$26,244.99
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	247.81 TN	\$353.04	\$87,486.84
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	36.04 TN	\$309.81	\$11,165.55
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	148.68 TN	\$309.81	\$46,062.55

**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	2

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	69.00 EA	\$7.66	\$528.54
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.13 GM	\$5,768.26	\$749.87
711-16-131	THERMOPLASTIC, STD-OTH, WHITE, SKIP, 6"	0.26 GM	\$2,898.45	\$753.60
711-16-201	THERMOPLASTIC, STD-OTH, YELLOW, SOLID, 6"	0.13 GM	\$5,919.72	\$769.56



## SHOULDER COMPONENT

## User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	4.00 / 0.00
New Total Outside Shoulder Width L/R	0.00 / 10.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Existing Paved Outside Shoulder Width L/R	4.00 / 0.00
New Paved Outside Shoulder Width L/R	0.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2No. of Sides	0

## Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	775.71	SY	\$30.04	\$23,302.33
327-70-1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	300.37	SY	\$16.85	\$5,061.23
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	41.30	TN	\$353.04	\$14,580.55
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	30.04	TN	\$309.81	\$9,306.69

## X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
570-1-2	PERFORMANCE TURF, SOD	2,035.00	SY	\$10.66	\$21,693.10

## Erosion Control

## Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	1,554.43	LF	\$3.30	\$5,129.62
104-11	FLOATING TURBIDITY BARRIER	12.80	LF	\$7.47	\$95.62
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	12.80	LF	\$3.99	\$51.07
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,740.00	\$2,740.00
104-18	INLET PROTECTION SYSTEM	1.00	EA	\$238.94	\$238.94
107-1	LITTER REMOVAL	0.31	AC	\$45.26	\$14.03
107-2	MOWING	0.31	AC	\$81.43	\$25.24

Shoulder Component Total

\$82,238.43

## DRAINAGE COMPONENT

## Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	24.00	LF	\$130.52	\$3,132.48
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	16.00	LF	\$280.79	\$4,492.64
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	2.00	EA	\$3,098.00	\$6,196.00
570-1-1	PERFORMANCE TURF	51.71	SY	\$8.97	\$463.84

Drainage Component Total

\$14,284.96

**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	\$561.06	\$561.06
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	3.00	AS	\$1,295.01	\$3,885.03
700-1-50	SINGLE POST SIGN, RELOCATE	1.00	AS	\$307.80	\$307.80
700-1-60	SINGLE POST SIGN, REMOVE	3.00	AS	\$202.18	\$606.54
700-2-13	MULTI- POST SIGN, F&I GM, 21-30 SF	1.00	AS	\$5,822.23	\$5,822.23
700-2-60	MULTI- POST SIGN, REMOVE	1.00	AS	\$838.95	\$838.95
<b>Signing Component Total</b>					<b>\$12,021.61</b>

**LIGHTING COMPONENT**

**Rural Lighting Subcomponent**

Description	Value				
Multiplier (Number of Poles)	5				
<b>Pay Items</b>					
Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,000.00	LF	\$9.36	\$9,360.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	5.00	EA	\$825.77	\$4,128.85
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	3,000.00	LF	\$6.70	\$20,100.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	5.00	EA	\$10,564.67	\$52,823.35
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	5.00	EA	\$896.91	\$4,484.55
<b>Subcomponent Total</b>					<b>\$90,896.75</b>
<b>Lighting Component Total</b>					<b>\$90,896.75</b>

**Sequence 3 Total** \$868,173.40

**Sequence:** 4 WUR - Widen/Resurface, Undivided, Rural

**Net Length:** 0.088 MI  
462 LF

**Description:** SR429 SB Ramp to US 192 (4 of 4)

**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	0.088
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1

Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
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	\$35,365.45	\$45,267.78
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	229.39 CY	\$671.72	\$154,085.85
<b>Earthwork Component Total</b>				<b>\$199,353.63</b>

#### ROADWAY COMPONENT

##### User Input Data

Description	Value
Number of Lanes	5
Existing Roadway Pavement Width L/R	12.00 / 0.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 48.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

#### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	2,977.33 SY	\$18.93	\$56,360.86
285-709	OPTIONAL BASE,BASE GROUP 09	2,480.94 SY	\$76.60	\$190,040.00
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	616.00 SY	\$12.35	\$7,607.60
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	50.82 TN	\$353.04	\$17,941.49
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	338.80 TN	\$353.04	\$119,609.95
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	24.64 TN	\$309.81	\$7,633.72
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	203.28 TN	\$309.81	\$62,978.18

#### X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6" <b>Comment:</b> Markings for Turn Lanes	0.18 GM	\$5,768.26	\$1,038.29
711-16-131	THERMOPLASTIC, STD-OTH, WHITE, SKIP, 6" <b>Comment:</b> Markings Prior to Turn Lanes	0.09 GM	\$2,898.45	\$260.86

#### 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	4

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	71.00	EA	\$7.66	\$543.86
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.09	GM	\$5,768.26	\$519.14
711-16-201	THERMOPLASTIC, STD-OTH, YELLOW, SOLID, 6"	0.09	GM	\$5,919.72	\$532.77
<b>Roadway Component Total</b>					<b>\$465,066.72</b>

**SHOULDER COMPONENT****User Input Data**

Description	Value
Existing Total Outside Shoulder Width L/R	4.00 / 0.00
New Total Outside Shoulder Width L/R	0.00 / 10.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Existing Paved Outside Shoulder Width L/R	4.00 / 0.00
New Paved Outside Shoulder Width L/R	0.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips $\bar{i}$ $\frac{1}{2}$ No. of Sides	0

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE, BASE GROUP 04	530.27	SY	\$30.04	\$15,929.31
327-70-1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	205.33	SY	\$16.85	\$3,459.81
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	28.23	TN	\$353.04	\$9,966.32
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	20.53	TN	\$309.81	\$6,360.40

**X-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
570-1-2	PERFORMANCE TURF, SOD	1,904.00	SY	\$10.66	\$20,296.64

**Erosion Control****Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	1,062.60	LF	\$3.30	\$3,506.58
104-11	FLOATING TURBIDITY BARRIER	8.75	LF	\$7.47	\$65.36
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	8.75	LF	\$3.99	\$34.91
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,740.00	\$2,740.00
104-18	INLET PROTECTION SYSTEM	1.00	EA	\$238.94	\$238.94
107-1	LITTER REMOVAL	0.21	AC	\$45.26	\$9.50
107-2	MOWING	0.21	AC	\$81.43	\$17.10
<b>Shoulder Component Total</b>					<b>\$62,624.87</b>

**DRAINAGE COMPONENT****Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	16.00	LF	\$130.52	\$2,088.32
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	8.00	LF	\$280.79	\$2,246.32
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	1.00	EA	\$3,098.00	\$3,098.00
570-1-1	PERFORMANCE TURF	35.35	SY	\$8.97	\$317.09
<b>Drainage Component Total</b>					<b>\$7,749.73</b>

#### 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	\$561.06	\$561.06
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	2.00	AS	\$1,295.01	\$2,590.02
700-1-50	SINGLE POST SIGN, RELOCATE	1.00	AS	\$307.80	\$307.80
700-1-60	SINGLE POST SIGN, REMOVE	2.00	AS	\$202.18	\$404.36
700-2-13	MULTI- POST SIGN, F&I GM, 21-30 SF	1.00	AS	\$5,822.23	\$5,822.23
700-2-60	MULTI- POST SIGN, REMOVE	1.00	AS	\$838.95	\$838.95
<b>Signing Component Total</b>					<b>\$10,524.42</b>

#### LIGHTING COMPONENT

##### Rural Lighting Subcomponent

Description	Value				
Multiplier (Number of Poles)	4				
Pay Items					
Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	800.00	LF	\$9.36	\$7,488.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	4.00	EA	\$825.77	\$3,303.08
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	2,400.00	LF	\$6.70	\$16,080.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	4.00	EA	\$10,564.67	\$42,258.68
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	4.00	EA	\$896.91	\$3,587.64
<b>Subcomponent Total</b>					<b>\$72,717.40</b>
<b>Lighting Component Total</b>					<b>\$72,717.40</b>

**Sequence 4 Total** **\$818,036.77**

**Sequence:** 5 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.505 MI  
**Description:** SR429 SB (1of5) 2,666 LF

#### EARTHWORK COMPONENT

##### User Input Data

Description	Value
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Standard Clearing and Grubbing Limits L/R	40.00 / 80.00
Incidental Clearing and Grubbing Area	0.00

Alignment Number	1
Distance	0.505
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
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	7.35 AC	\$35,365.45	\$259,936.06
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	1,563.30 CY	\$671.72	\$1,050,099.88
<b>Earthwork Component Total</b>				<b>\$1,310,035.93</b>

#### ROADWAY COMPONENT

##### User Input Data

Description	Value
Number of Lanes	3
Existing Roadway Pavement Width L/R	0.00 / 24.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	12.00 / 0.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	80

##### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	7,701.41 SY	\$18.93	\$145,787.69
285-709	OPTIONAL BASE,BASE GROUP 09	3,652.24 SY	\$76.60	\$279,761.58
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	7,108.99 SY	\$12.35	\$87,796.03
334-1-15	SUPERPAVE ASPHALTIC CONC, TRAFFIC E	586.49 TN	\$300.00	\$175,947.00
334-1-15	SUPERPAVE ASPHALTIC CONC, TRAFFIC E	488.74 TN	\$300.00	\$146,622.00
337-7-88	ASPH CONC FC,TRAFFIC E,FC-12.5,PG 76-22	284.36 TN	\$601.26	\$170,974.29
337-7-88	ASPH CONC FC,TRAFFIC E,FC-12.5,PG 76-22	142.18 TN	\$601.26	\$85,487.15

##### 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	2

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	273.00 EA	\$7.66	\$2,091.18
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.50 GM	\$5,768.26	\$2,884.13
711-16-131	THERMOPLASTIC, STD-OTH, WHITE, SKIP, 6"	1.01 GM	\$2,898.45	\$2,927.43
711-16-201	THERMOPLASTIC, STD-OTH, YELLOW, SOLID, 6"	0.50 GM	\$5,919.72	\$2,959.86
<b>Roadway Component Total</b>				<b>\$1,103,238.34</b>

**SHOULDER COMPONENT****User Input Data**

Description	Value
Existing Total Outside Shoulder Width L/R	0.00 / 0.00
New Total Outside Shoulder Width L/R	4.00 / 10.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips $\bar{r}$ $\frac{1}{2}$ No. of Sides	0

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE, BASE GROUP 04	4,342.41 SY	\$30.04	\$130,446.00
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	228.08 TN	\$353.04	\$80,521.36
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	165.88 TN	\$309.81	\$51,391.28

**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
570-1-2	PERFORMANCE TURF, SOD	2,963.00 SY	\$10.66	\$31,585.58

**Erosion Control****Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	6,131.51 LF	\$3.30	\$20,233.98
104-11	FLOATING TURBIDITY BARRIER	50.49 LF	\$7.47	\$377.16
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	50.49 LF	\$3.99	\$201.46
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$2,740.00	\$2,740.00
104-18	INLET PROTECTION SYSTEM	2.00 EA	\$238.94	\$477.88
107-1	LITTER REMOVAL	1.22 AC	\$45.26	\$55.22
107-2	MOWING	1.22 AC	\$81.43	\$99.34

**Shoulder Component Total** **\$318,129.26**

**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	\$130.52	\$10,441.60
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	40.00	LF	\$280.79	\$11,231.60
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	6.00	EA	\$3,098.00	\$18,588.00
570-1-1	PERFORMANCE TURF	203.98	SY	\$8.97	\$1,829.70
<b>Drainage Component Total</b>					<b>\$42,090.90</b>

### 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	\$561.06	\$1,122.12
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	11.00	AS	\$1,295.01	\$14,245.11
700-1-50	SINGLE POST SIGN, RELOCATE	2.00	AS	\$307.80	\$615.60
700-1-60	SINGLE POST SIGN, REMOVE	11.00	AS	\$202.18	\$2,223.98
700-2-13	MULTI- POST SIGN, F&I GM, 21-30 SF	2.00	AS	\$5,822.23	\$11,644.46
700-2-60	MULTI- POST SIGN, REMOVE	2.00	AS	\$838.95	\$1,677.90
<b>Signing Component Total</b>					<b>\$31,529.17</b>

### LIGHTING COMPONENT

#### Rural Lighting Subcomponent

Description	Value				
Multiplier (Number of Poles)	7				
Pay Items					
Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,400.00	LF	\$9.36	\$13,104.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	7.00	EA	\$825.77	\$5,780.39
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	4,200.00	LF	\$6.70	\$28,140.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	7.00	EA	\$10,564.67	\$73,952.69
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	7.00	EA	\$896.91	\$6,278.37
<b>Subcomponent Total</b>					<b>\$127,255.45</b>
<b>Lighting Component Total</b>					<b>\$127,255.45</b>

**Sequence 5 Total** **\$2,932,279.05**

**Sequence:** 6 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.209 MI  
**Description:** SR429 SB (2of5) 1,102 LF

### EARTHWORK COMPONENT

#### User Input Data

Description	Value
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Standard Clearing and Grubbing Limits L/R	40.00 / 126.00
Incidental Clearing and Grubbing Area	0.00

Alignment Number	1
Distance	0.209
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
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	4.21 AC	\$35,365.45	\$148,888.54
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	646.99 CY	\$671.72	\$434,596.12
<b>Earthwork Component Total</b>				<b>\$583,484.67</b>

**ROADWAY COMPONENT**

**User Input Data**

Description	Value
Number of Lanes	3
Existing Roadway Pavement Width L/R	0.00 / 24.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	12.00 / 0.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	80

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	3,183.37 SY	\$18.93	\$60,261.19
285-709	OPTIONAL BASE,BASE GROUP 09	1,509.65 SY	\$76.60	\$115,639.19
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	2,938.50 SY	\$12.35	\$36,290.48
334-1-15	SUPERPAVE ASPHALTIC CONC, TRAFFIC E	242.43 TN	\$300.00	\$72,729.00
334-1-15	SUPERPAVE ASPHALTIC CONC, TRAFFIC E	202.02 TN	\$300.00	\$60,606.00
337-7-88	ASPH CONC FC,TRAFFIC E,FC-12.5,PG 76-22	117.54 TN	\$601.26	\$70,672.10
337-7-88	ASPH CONC FC,TRAFFIC E,FC-12.5,PG 76-22	58.77 TN	\$601.26	\$35,336.05

**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	2

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	113.00 EA	\$7.66	\$865.58
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.21 GM	\$5,768.26	\$1,211.33
711-16-131	THERMOPLASTIC, STD-OTH, WHITE, SKIP, 6"	0.42 GM	\$2,898.45	\$1,217.35
711-16-201	THERMOPLASTIC, STD-OTH, YELLOW, SOLID, 6"	0.21 GM	\$5,919.72	\$1,243.14
<b>Roadway Component Total</b>				<b>\$456,071.41</b>

**SHOULDER COMPONENT****User Input Data**

Description	Value
Existing Total Outside Shoulder Width L/R	0.00 / 0.00
New Total Outside Shoulder Width L/R	4.00 / 10.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips $\bar{r}_i$ 1/2 No. of Sides	0

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE, BASE GROUP 04	1,794.93 SY	\$30.04	\$53,919.70
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	94.28 TN	\$353.04	\$33,284.61
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	68.56 TN	\$309.81	\$21,240.57

**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
570-1-2	PERFORMANCE TURF, SOD	2,552.00 SY	\$10.66	\$27,204.32

**Erosion Control****Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	2,534.45 LF	\$3.30	\$8,363.69
104-11	FLOATING TURBIDITY BARRIER	20.87 LF	\$7.47	\$155.90
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	20.87 LF	\$3.99	\$83.27
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$2,740.00	\$2,740.00
104-18	INLET PROTECTION SYSTEM	1.00 EA	\$238.94	\$238.94
107-1	LITTER REMOVAL	0.51 AC	\$45.26	\$23.08
107-2	MOWING	0.51 AC	\$81.43	\$41.53

**Shoulder Component Total** **\$147,295.61**

**DRAINAGE COMPONENT****Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	32.00	LF	\$130.52	\$4,176.64
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	16.00	LF	\$280.79	\$4,492.64
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	3.00	EA	\$3,098.00	\$9,294.00
570-1-1	PERFORMANCE TURF	84.31	SY	\$8.97	\$756.26
<b>Drainage Component Total</b>					<b>\$18,719.54</b>

### 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	\$561.06	\$561.06
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	5.00	AS	\$1,295.01	\$6,475.05
700-1-50	SINGLE POST SIGN, RELOCATE	1.00	AS	\$307.80	\$307.80
700-1-60	SINGLE POST SIGN, REMOVE	5.00	AS	\$202.18	\$1,010.90
700-2-13	MULTI- POST SIGN, F&I GM, 21-30 SF	1.00	AS	\$5,822.23	\$5,822.23
700-2-60	MULTI- POST SIGN, REMOVE	1.00	AS	\$838.95	\$838.95
<b>Signing Component Total</b>					<b>\$15,015.99</b>

### 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	\$9.36	\$11,232.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	6.00	EA	\$825.77	\$4,954.62
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	3,600.00	LF	\$6.70	\$24,120.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	6.00	EA	\$10,564.67	\$63,388.02
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	6.00	EA	\$896.91	\$5,381.46
<b>Subcomponent Total</b>					<b>\$109,076.10</b>
<b>Lighting Component Total</b>					<b>\$109,076.10</b>

**Sequence 6 Total** **\$1,329,663.32**

**Sequence:** 7 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.110 MI  
**Description:** SR429 SB (3of5) 582 LF

### EARTHWORK COMPONENT

#### User Input Data

Description	Value
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Standard Clearing and Grubbing Limits L/R	40.00 / 40.00
Incidental Clearing and Grubbing Area	0.00

Alignment Number	1
Distance	0.110
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
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	1.07 AC	\$35,365.45	\$37,841.03
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	328.04 CY	\$671.72	\$220,351.03
<b>Earthwork Component Total</b>				<b>\$258,192.06</b>

**ROADWAY COMPONENT**

**User Input Data**

Description	Value
Number of Lanes	4
Existing Roadway Pavement Width L/R	24.00 / 0.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 38.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	80

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	3,103.23 SY	\$18.93	\$58,744.14
285-709	OPTIONAL BASE,BASE GROUP 09	2,478.06 SY	\$76.60	\$189,819.40
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	1,551.62 SY	\$12.35	\$19,162.51
334-1-15	SUPERPAVE ASPHALTIC CONC, TRAFFIC E	128.01 TN	\$300.00	\$38,403.00
334-1-15	SUPERPAVE ASPHALTIC CONC, TRAFFIC E	337.80 TN	\$300.00	\$101,340.00
337-7-88	ASPH CONC FC,TRAFFIC E,FC-12.5,PG 76-22	62.06 TN	\$601.26	\$37,314.20
337-7-88	ASPH CONC FC,TRAFFIC E,FC-12.5,PG 76-22	98.27 TN	\$601.26	\$59,085.82

**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	3

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	74.00	EA	\$7.66	\$566.84
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.22	GM	\$5,768.26	\$1,269.02
711-16-131	THERMOPLASTIC, STD-OTH, WHITE, SKIP, 6"	0.33	GM	\$2,898.45	\$956.49
711-16-201	THERMOPLASTIC, STD-OTH, YELLOW, SOLID, 6"	0.22	GM	\$5,919.72	\$1,302.34
<b>Roadway Component Total</b>					<b>\$507,963.76</b>

**SHOULDER COMPONENT****User Input Data**

Description	Value
Existing Total Outside Shoulder Width L/R	4.00 / 0.00
New Total Outside Shoulder Width L/R	0.00 / 10.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Existing Paved Outside Shoulder Width L/R	4.00 / 0.00
New Paved Outside Shoulder Width L/R	0.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips $\bar{i}$ $\frac{1}{2}$ No. of Sides	0

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE, BASE GROUP 04	667.84	SY	\$30.04	\$20,061.91
327-70-1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	258.60	SY	\$16.85	\$4,357.41
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	35.56	TN	\$353.04	\$12,554.10
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	25.86	TN	\$309.81	\$8,011.69

**X-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
570-1-2	PERFORMANCE TURF, SOD	1,330.00	SY	\$10.66	\$14,177.80

**Erosion Control****Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	1,338.27	LF	\$3.30	\$4,416.29
104-11	FLOATING TURBIDITY BARRIER	11.02	LF	\$7.47	\$82.32
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	11.02	LF	\$3.99	\$43.97
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,740.00	\$2,740.00
104-18	INLET PROTECTION SYSTEM	1.00	EA	\$238.94	\$238.94
107-1	LITTER REMOVAL	0.27	AC	\$45.26	\$12.22
107-2	MOWING	0.27	AC	\$81.43	\$21.99
<b>Shoulder Component Total</b>					<b>\$66,718.64</b>

**DRAINAGE COMPONENT**

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	16.00	LF	\$130.52	\$2,088.32
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	8.00	LF	\$280.79	\$2,246.32
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	2.00	EA	\$3,098.00	\$6,196.00
570-1-1	PERFORMANCE TURF	44.52	SY	\$8.97	\$399.34
<b>Drainage Component Total</b>					<b>\$10,929.98</b>

**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	\$561.06	\$561.06
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	3.00	AS	\$1,295.01	\$3,885.03
700-1-50	SINGLE POST SIGN, RELOCATE	1.00	AS	\$307.80	\$307.80
700-1-60	SINGLE POST SIGN, REMOVE	3.00	AS	\$202.18	\$606.54
700-2-13	MULTI- POST SIGN, F&I GM, 21-30 SF	1.00	AS	\$5,822.23	\$5,822.23
700-2-60	MULTI- POST SIGN, REMOVE	1.00	AS	\$838.95	\$838.95
<b>Signing Component Total</b>					<b>\$12,021.61</b>

**LIGHTING COMPONENT**

**Rural Lighting Subcomponent**

Description	Value				
Multiplier (Number of Poles)	4				
<b>Pay Items</b>					
Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	800.00	LF	\$9.36	\$7,488.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	4.00	EA	\$825.77	\$3,303.08
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	2,400.00	LF	\$6.70	\$16,080.00
715-61-442	LIGHT POLE CMPLT,STD,F&I, 45'MH,12'ARM L	4.00	EA	\$10,564.67	\$42,258.68
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	4.00	EA	\$896.91	\$3,587.64
<b>Subcomponent Total</b>					<b>\$72,717.40</b>
<b>Lighting Component Total</b>					<b>\$72,717.40</b>

**Sequence 7 Total** **\$928,543.45**

**Sequence:** 8 RSU - Resurfacing, Undivided

**Net Length:** 0.563 MI  
2,974 LF

**Description:** SR429 SB (4of5)

**ROADWAY COMPONENT**

**User Input Data**

Description	Value
Number of Lanes	2
Roadway Pavement Width L/R	12.00 / 24.00
Structural Spread Rate	165
Friction Course Spread Rate	80

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	11,896.90 SY	\$12.35	\$146,926.72
334-1-15	SUPERPAVE ASPHALTIC CONC, TRAFFIC E	981.49 TN	\$300.00	\$294,447.00
337-7-88	ASPH CONC FC, TRAFFIC E, FC-12.5, PG 76-22	475.88 TN	\$601.26	\$286,127.61

**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
711-11-102	THERMOPLASTIC, STD, WHITE, SOLID, 8" <b>Comment:</b> Proposed Chevrons	1.13 GM	\$8,135.53	\$9,193.15
711-11-124	THERMOPLASTIC, STD, WHITE, SOLID, 18" <b>Comment:</b> Proposed Chevrons	1,785.00 LF	\$5.46	\$9,746.10

**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	1

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	76.00 EA	\$7.66	\$582.16
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.56 GM	\$5,768.26	\$3,230.23
711-16-131	THERMOPLASTIC, STD-OTH, WHITE, SKIP, 6"	0.56 GM	\$2,898.45	\$1,623.13
711-16-201	THERMOPLASTIC, STD-OTH, YELLOW, SOLID, 6"	0.56 GM	\$5,919.72	\$3,315.04
<b>Roadway Component Total</b>				<b>\$755,191.14</b>

**SHOULDER COMPONENT****User Input Data**

Description	Value
Total Outside Shoulder Width L/R	4.00 / 10.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80

Total Width (T) / 8" Overlap (O) T  
 Rumble Strips 1/2 No. of Sides 0

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
327-70-1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	4,626.57	SY	\$16.85	\$77,957.70
334-1-15	SUPERPAVE ASPHALTIC CONC, TRAFFIC E	254.46	TN	\$300.00	\$76,338.00
337-7-88	ASPH CONC FC, TRAFFIC E, FC-12.5, PG 76-22	185.06	TN	\$601.26	\$111,269.18

**Erosion Control**

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-11	FLOATING TURBIDITY BARRIER	56.33	LF	\$7.47	\$420.79
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	56.33	LF	\$3.99	\$224.76
104-18	INLET PROTECTION SYSTEM	2.00	EA	\$238.94	\$477.88
107-1	LITTER REMOVAL	1.36	AC	\$45.26	\$61.55
107-2	MOWING	1.36	AC	\$81.43	\$110.74
<b>Shoulder Component Total</b>					\$266,860.60

**Sequence 8 Total** \$1,022,051.74

**Sequence:** 9RSU - Resurfacing, Undivided

**Net Length:** 0.122 MI  
643 LF

**Description:** SR 429 SB (5of5)

**ROADWAY COMPONENT**

**User Input Data**

Description	Value
Number of Lanes	2
Roadway Pavement Width L/R	12.00 / 12.00
Structural Spread Rate	165
Friction Course Spread Rate	80

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	1,714.94	SY	\$12.35	\$21,179.51
334-1-15	SUPERPAVE ASPHALTIC CONC, TRAFFIC E	141.48	TN	\$300.00	\$42,444.00
337-7-88	ASPH CONC FC, TRAFFIC E, FC-12.5, PG 76-22	68.60	TN	\$601.26	\$41,246.44

**X-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
710-11-124	PAINTED PAVT MARK, STD, WHITE, SOLID, 18" <b>Comment:</b> Proposed Chevrons	193.00	LF	\$3.34	\$644.62



711-11-102	THERMOPLASTIC, STD, WHITE, SOLID, 8"	0.25 GM	\$8,135.53	\$2,033.88
	<b>Comment:</b> Proposed Chevrons			

#### 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	1

#### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	16.00 EA	\$7.66	\$122.56
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.12 GM	\$5,768.26	\$692.19
711-16-131	THERMOPLASTIC, STD-OTH, WHITE, SKIP, 6"	0.12 GM	\$2,898.45	\$347.81
711-16-201	THERMOPLASTIC, STD- OTH, YELLOW, SOLID, 6"	0.12 GM	\$5,919.72	\$710.37
<b>Roadway Component Total</b>				<b>\$109,421.38</b>

#### SHOULDER COMPONENT

##### User Input Data

Description	Value
Total Outside Shoulder Width L/R	10.00 / 10.00
Total Outside Shoulder Perf. Turf Width L/R	2.67 / 2.67
Paved Outside Shoulder Width L/R	5.00 / 5.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips $\frac{1}{2}$ No. of Sides	0

#### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
327-70-1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	714.56 SY	\$16.85	\$12,040.34
334-1-15	SUPERPAVE ASPHALTIC CONC, TRAFFIC E	39.30 TN	\$300.00	\$11,790.00
337-7-88	ASPH CONC FC, TRAFFIC E, FC- 12.5, PG 76-22	28.58 TN	\$601.26	\$17,184.01
570-1-1	PERFORMANCE TURF	381.58 SY	\$8.97	\$3,422.77

#### Erosion Control

##### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-11	FLOATING TURBIDITY BARRIER	12.18 LF	\$7.47	\$90.98
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	12.18 LF	\$3.99	\$48.60
104-18	INLET PROTECTION SYSTEM	1.00 EA	\$238.94	\$238.94
107-1	LITTER REMOVAL	0.29 AC	\$45.26	\$13.13

107-2	MOWING	0.29 AC	\$81.43	\$23.61
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<b>Shoulder Component Total</b>				\$44,852.38
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<b>Sequence 9 Total</b>				\$154,273.76
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**Sequence:** 10 RSU - Resurfacing, Undivided

**Net Length:** 0.133 MI  
702 LF

**Description:** US 192 East Bound Intersecting with SR 429

**ROADWAY COMPONENT**

**User Input Data**

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

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	3,745.28 SY	\$12.35	\$46,254.21
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	308.99 TN	\$353.04	\$109,085.83
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	308.99 TN	\$309.81	\$95,728.19

**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	3

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	90.00 EA	\$7.66	\$689.40
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.13 GM	\$5,768.26	\$749.87
711-16-131	THERMOPLASTIC, STD-OTH, WHITE, SKIP, 6"	0.40 GM	\$2,898.45	\$1,159.38
711-16-201	THERMOPLASTIC, STD-OTH, YELLOW, SOLID, 6"	0.13 GM	\$5,919.72	\$769.56

<b>Roadway Component Total</b>				\$254,436.44
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**SHOULDER COMPONENT**

**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	10.00 / 10.00
Total Outside Shoulder Perf. Turf Width L/R	2.67 / 2.67

Paved Outside Shoulder Width L/R	5.00 / 5.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2 No. of Sides	0

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
327-70-1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	780.27 SY	\$16.85	\$13,147.55
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	42.91 TN	\$353.04	\$15,148.95
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	31.21 TN	\$309.81	\$9,669.17
570-1-1	PERFORMANCE TURF	416.66 SY	\$8.97	\$3,737.44

**Erosion Control**

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-11	FLOATING TURBIDITY BARRIER	13.30 LF	\$7.47	\$99.35
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	13.30 LF	\$3.99	\$53.07
104-18	INLET PROTECTION SYSTEM	1.00 EA	\$238.94	\$238.94
107-1	LITTER REMOVAL	0.32 AC	\$45.26	\$14.48
107-2	MOWING	0.32 AC	\$81.43	\$26.06

**Shoulder Component Total** \$42,135.01

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**Sequence 10 Total** \$296,571.45

**Sequence:** 11 RSU - Resurfacing, Undivided **Net Length:** 0.060 MI  
319 LF  
**Description:** US 192 West Bound. West of SR 429SB Exit Ramp

**ROADWAY COMPONENT**

**User Input Data**

Description	Value
Number of Lanes	3
Roadway Pavement Width L/R	12.00 / 24.00
Structural Spread Rate	165
Friction Course Spread Rate	165

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	1,275.65 SY	\$12.35	\$15,754.28
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	105.24 TN	\$353.04	\$37,153.93
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	105.24 TN	\$309.81	\$32,604.40

**Pavement Marking Subcomponent**

Description	Value
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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	2

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	33.00 EA	\$7.66	\$252.78
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.06 GM	\$5,768.26	\$346.10
711-16-131	THERMOPLASTIC, STD-OTH, WHITE, SKIP, 6"	0.12 GM	\$2,898.45	\$347.81
711-16-201	THERMOPLASTIC, STD-OTH, YELLOW, SOLID, 6"	0.06 GM	\$5,919.72	\$355.18
<b>Roadway Component Total</b>				<b>\$86,814.48</b>

**SHOULDER COMPONENT**

**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	10.00 / 10.00
Total Outside Shoulder Perf. Turf Width L/R	2.67 / 2.67
Paved Outside Shoulder Width L/R	5.00 / 5.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips $\frac{1}{2}$ No. of Sides	0

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
327-70-1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	354.35 SY	\$16.85	\$5,970.80
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	19.49 TN	\$353.04	\$6,880.75
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	14.17 TN	\$309.81	\$4,390.01
570-1-1	PERFORMANCE TURF	189.22 SY	\$8.97	\$1,697.30

**Erosion Control**

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-11	FLOATING TURBIDITY BARRIER	6.04 LF	\$7.47	\$45.12
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	6.04 LF	\$3.99	\$24.10
104-18	INLET PROTECTION SYSTEM	1.00 EA	\$238.94	\$238.94
107-1	LITTER REMOVAL	0.15 AC	\$45.26	\$6.79
107-2	MOWING	0.15 AC	\$81.43	\$12.21
<b>Shoulder Component Total</b>				<b>\$19,266.02</b>

**Sequence 11 Total**

**\$106,080.50**

Sequence: 12 RSU - Resurfacing, Undivided

Net Length: 0.073 MI  
383 LF

Description: US 192 West Bound East of SR 429 SB Exit Ramp. Includes Signalized Intersection

**ROADWAY COMPONENT**

**User Input Data**

Description	Value
Number of Lanes	5
Roadway Pavement Width L/R	36.00 / 24.00
Structural Spread Rate	165
Friction Course Spread Rate	165

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	2,552.00	SY	\$12.35	\$31,517.20
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	210.54	TN	\$353.04	\$74,329.04
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	210.54	TN	\$309.81	\$65,227.40

**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	4

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	59.00	EA	\$7.66	\$451.94
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.07	GM	\$5,768.26	\$403.78
711-16-131	THERMOPLASTIC, STD-OTH, WHITE, SKIP, 6"	0.29	GM	\$2,898.45	\$840.55
711-16-201	THERMOPLASTIC, STD-OTH, YELLOW, SOLID, 6"	0.07	GM	\$5,919.72	\$414.38

**Roadway Component Total** \$173,184.29

**SHOULDER COMPONENT**

**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	10.00 / 10.00
Total Outside Shoulder Perf. Turf Width L/R	2.67 / 2.67
Paved Outside Shoulder Width L/R	5.00 / 5.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2 No. of Sides	0

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
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327-70-1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	425.33 SY	\$16.85	\$7,166.81
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	23.39 TN	\$353.04	\$8,257.61
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	17.01 TN	\$309.81	\$5,269.87
570-1-1	PERFORMANCE TURF	227.13 SY	\$8.97	\$2,037.36

**Erosion Control**

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-11	FLOATING TURBIDITY BARRIER	7.25 LF	\$7.47	\$54.16
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	7.25 LF	\$3.99	\$28.93
104-18	INLET PROTECTION SYSTEM	1.00 EA	\$238.94	\$238.94
107-1	LITTER REMOVAL	0.18 AC	\$45.26	\$8.15
107-2	MOWING	0.18 AC	\$81.43	\$14.66
<b>Shoulder Component Total</b>				<b>\$23,076.49</b>

**SIGNALIZATIONS COMPONENT**

**Signalization 1**

<b>Description</b>	<b>Value</b>
Type	2 Lane Mast Arm
Multiplier	1
Description	SR 429 SB Exit Ramp to US 192

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	800.00 LF	\$9.36	\$7,488.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	200.00 LF	\$21.74	\$4,348.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00 PI	\$8,423.05	\$8,423.05
633-3-11	FIBER OPTIC CONN HDWR, SPLICE ENCLOSURE	2.00 EA	\$862.56	\$1,725.12
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	12.00 EA	\$825.77	\$9,909.24
639-1-112	ELECTRICAL POWER SRV, F&I, OH, M, PUR BY CON	1.00 AS	\$4,218.98	\$4,218.98
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00 LF	\$8.04	\$482.40
649-21-4	STEEL MAST ARM ASSEMBLY, F&I, 40'- 30'	4.00 EA	\$76,197.28	\$304,789.12
650-1-14	VEH TRAF SIGNAL, F&I ALUMINUM, 3 S 1 W	8.00 AS	\$1,983.71	\$15,869.68
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00 AS	\$855.46	\$6,843.68
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	8.00 EA	\$395.65	\$3,165.20
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	8.00 AS	\$1,518.60	\$12,148.80
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00 EA	\$321.88	\$2,575.04
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00 AS	\$38,021.23	\$38,021.23
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00 EA	\$403.09	\$1,612.36

**Signalization 2**

<b>Description</b>	<b>Value</b>
Type	4 Lane Mast Arm
Multiplier	1
Description	US 192 East Bound Intersection with SR 429 Entrance Ramp

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	750.00	LF	\$9.36	\$7,020.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	250.00	LF	\$21.74	\$5,435.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$8,423.05	\$8,423.05
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	16.00	EA	\$825.77	\$13,212.32
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	\$4,218.98	\$4,218.98
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00	LF	\$8.04	\$482.40
649-21-10	STEEL MAST ARM ASSEMBLY, F&I, 60'	4.00	EA	\$70,954.83	\$283,819.32
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	12.00	AS	\$1,983.71	\$23,804.52
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00	AS	\$855.46	\$6,843.68
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	12.00	EA	\$395.65	\$4,747.80
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	12.00	AS	\$1,518.60	\$18,223.20
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00	EA	\$321.88	\$2,575.04
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00	AS	\$38,021.23	\$38,021.23
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00	EA	\$403.09	\$1,612.36

**Signalization 3**

<b>Description</b>	<b>Value</b>
Type	4 Lane Mast Arm
Multiplier	1
Description	US 192 West bound intersecting with SR 429 SB exit ramp

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	750.00	LF	\$9.36	\$7,020.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	250.00	LF	\$21.74	\$5,435.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$8,423.05	\$8,423.05
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	16.00	EA	\$825.77	\$13,212.32
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	\$4,218.98	\$4,218.98
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00	LF	\$8.04	\$482.40
649-21-10	STEEL MAST ARM ASSEMBLY, F&I, 60'	4.00	EA	\$70,954.83	\$283,819.32
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	12.00	AS	\$1,983.71	\$23,804.52
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00	AS	\$855.46	\$6,843.68
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	12.00	EA	\$395.65	\$4,747.80
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	12.00	AS	\$1,518.60	\$18,223.20

665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00 EA	\$321.88	\$2,575.04
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00 AS	\$38,021.23	\$38,021.23
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00 EA	\$403.09	\$1,612.36
<b>Signalizations Component Total</b>				<b>\$1,258,497.70</b>

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**Sequence 12 Total** **\$1,454,758.48**

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Date: 10/21/2022 11:39:35 AM

## FDOT Long Range Estimating System - Production

### R3: Project Details by Sequence Report

**Project:** 446164-1-22-01 **Letting Date:** 01/2099

**Description:** PD&E STUDY TO WIDEN WESTERN BELTWAY (SR429) FROM I-4 TO SEIDEL RD.

**District:** 08      **County:** 97 TURNPIKE      **Market Area:** 99      **Units:** English  
**Contract Class:** 3      **Lump Sum Project:** N      **Design/Build:** N      **Project Length:** 9.300 MI

**Project Manager:** UNDERWOOD

**Version 27 Project Grand Total** **\$18,489,127.44**

446164-1-22-01 Version 1-P, [PD&E STUDY TO WIDEN WESTERN BELTWAY (SR429) FROM  
**Description:** SEIDEL ROAD TO SINCLAIR ROAD] Alternative 3 for SR 429 South Bound Ramp to US 192.  
Includes Signalized Intersection

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**Project Sequences Subtotal** **\$15,156,303.67**

102-1	Maintenance of Traffic	10.00 %	\$1,515,630.37
101-1	Mobilization	10.00 %	\$1,667,193.40

**Project Sequences Total** **\$18,339,127.44**

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

**Non-Bid Components:**

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

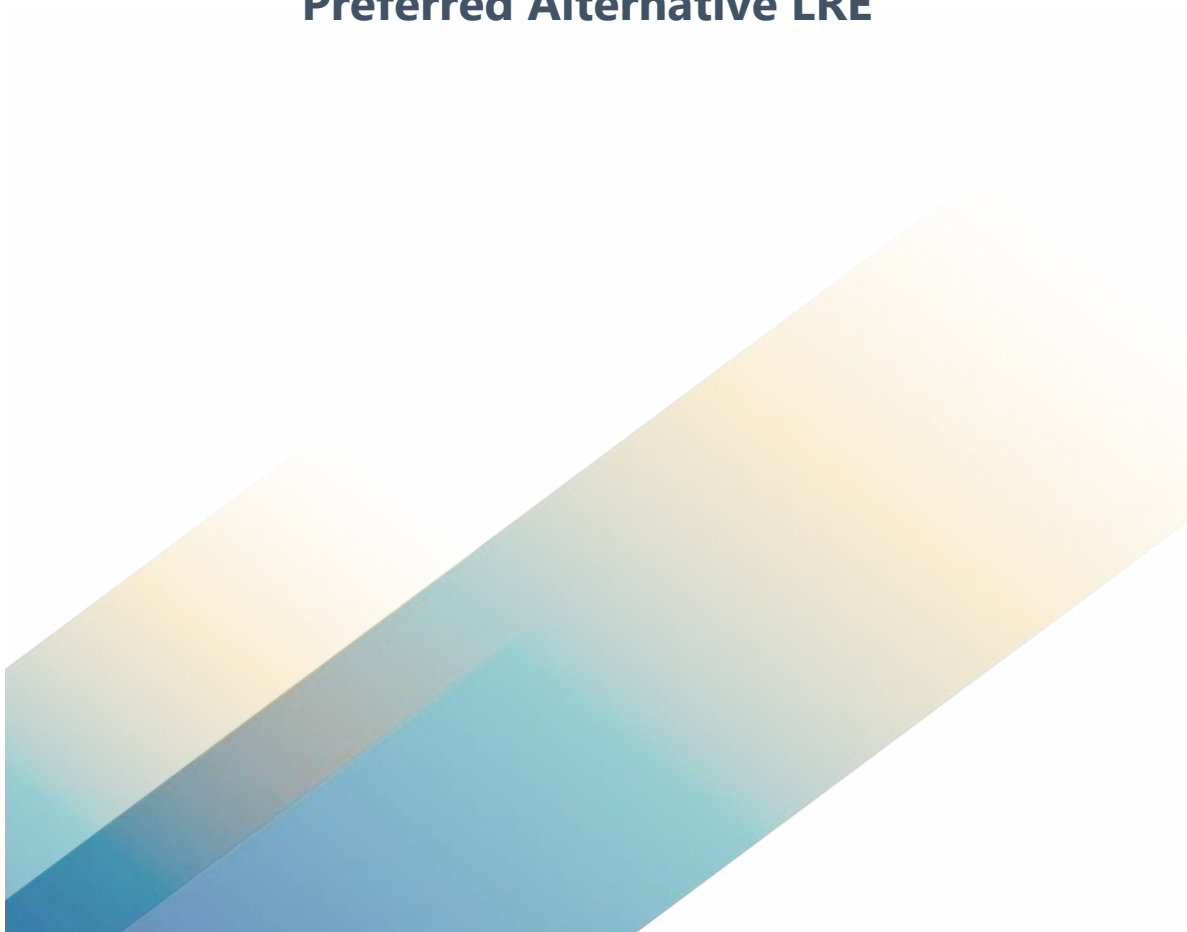
**Project Non-Bid Subtotal** **\$150,000.00**

**Version 27 Project Grand Total** **\$18,489,127.44**



## **Appendix E**

### **Preferred Alternative LRE**



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*Widen Western Beltway (SR 429) from North of I-4/SR 429 Interchange to Seidel Road*  
*Financial Project No.: 446164-1/EDTM No.: 14446*

# FDOT Long Range Estimating System - Production

## R3: Project Details by Sequence Report

Project: 446164-1-22-01

Letting Date: 01/2099

Description: PD&amp;E STUDY TO WIDEN WESTERN BELTWAY (SR429) FROM I-4 TO SEIDEL RD.

District: 08 County: 97 TURNPIKE

Market Area: 99 Units: English

Contract Class: 3 Lump Sum Project: N

Design/Build: N Project Length: 9.300 MI

Project Manager: UNDERWOOD

**Version 26 Project Grand Total****\$321,698,295.54**

**Description:** PREFERRED T RAMP ALTERNATIVE: COPY OF VERSION 25, BUT INCLUDES UPDATES TO PAVEMENT DESIGN. 446164-1-22-01. [PD&E STUDY TO WIDEN WESTERN BELTWAY (SR429) FROM SEIDEL ROAD TO SINCLAIR ROAD]. INCLUDES 25% UNKNOWN FACTO& UNIT COST REVISION. INCLUDES PREFERED ALTERNATIVE FOR SINCLAIR AND SEIDEL.

Sequence: 1 WUR - Widen/Resurface, Undivided, Rural

Net Length: 0.210 MI  
1,107 LF

Description: Sinclair Rd Connector Intersecting with SR 429 NB On Ramp. Includes Signalized Intersection

**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.210
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
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	1.53	AC	\$20,000.00	\$30,600.00
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	334.28	CY	\$26.31	\$8,794.91

**Earthwork Component Total****\$39,394.91****ROADWAY COMPONENT****User Input Data**

Description	Value
Number of Lanes	3
Existing Roadway Pavement Width L/R	8.00 / 15.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	3.00 / 9.00



Pay item	Description	Quantity Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	1,557.48 SY	\$21.79	\$33,937.49
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	81.20 TN	\$141.47	\$11,487.36
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	6.50 TN	\$240.52	\$1,563.38

#### Erosion Control

##### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	2,546.60 LF	\$2.70	\$6,875.82
104-11	FLOATING TURBIDITY BARRIER	20.97 LF	\$12.73	\$266.95
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	20.97 LF	\$4.01	\$84.09
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$2,921.89	\$2,921.89
104-18	INLET PROTECTION SYSTEM	1.00 EA	\$169.34	\$169.34
107-1	LITTER REMOVAL	0.51 AC	\$45.28	\$23.09
107-2	MOWING	0.51 AC	\$72.25	\$36.85
<b>Shoulder Component Total</b>				<b>\$57,366.26</b>

#### DRAINAGE COMPONENT

##### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	32.00 LF	\$116.05	\$3,713.60
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	16.00 LF	\$171.65	\$2,746.40
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	3.00 EA	\$2,241.18	\$6,723.54
570-1-1	PERFORMANCE TURF	84.72 SY	\$2.02	\$171.13
<b>Drainage Component Total</b>				<b>\$13,354.67</b>

#### 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	\$528.30	\$528.30
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	5.00 AS	\$1,617.22	\$8,086.10
700-1-50	SINGLE POST SIGN, RELOCATE	1.00 AS	\$328.07	\$328.07
700-1-60	SINGLE POST SIGN, REMOVE	5.00 AS	\$118.97	\$594.85
700-2-13	MULTI- POST SIGN, F&I GM, 21-30 SF	1.00 AS	\$5,537.31	\$5,537.31
700-2-60	MULTI- POST SIGN, REMOVE	1.00 AS	\$1,051.85	\$1,051.85
<b>Signing Component Total</b>				<b>\$16,126.48</b>

#### SIGNALIZATIONS COMPONENT

##### Signalization 1

Description	Value
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Type 2 Lane Mast Arm  
Multiplier 1  
Description Signalized Intersection between  
Sinclair Rd Connector and SR  
429 NB on Ramp

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	800.00	LF	\$9.49	\$7,592.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	200.00	LF	\$22.53	\$4,506.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$8,368.88	\$8,368.88
633-3-11	FIBER OPTIC CONN HDWR, SPLICE ENCLOSURE	2.00	EA	\$840.51	\$1,681.02
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	12.00	EA	\$765.10	\$9,181.20
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	\$4,122.68	\$4,122.68
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00	LF	\$7.57	\$454.20
649-21-4	STEEL MAST ARM ASSEMBLY, F&I, 40'- 30'	2.00	EA	\$71,795.93	\$143,591.86
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	4.00	AS	\$1,469.23	\$5,876.92
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	4.00	AS	\$856.59	\$3,426.36
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	4.00	EA	\$330.47	\$1,321.88
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	4.00	AS	\$1,408.24	\$5,632.96
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	4.00	EA	\$326.91	\$1,307.64
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00	AS	\$34,261.40	\$34,261.40
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00	EA	\$433.11	\$1,732.44
<b>Signalizations Component Total</b>					<b>\$233,057.44</b>

**Sequence 1 Total** \$546,837.47

**Sequence:** 2 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.069 MI  
364 LF  
**Description:** SR 429 NB On Ramp from Sinclair Rd Connector

**EARTHWORK COMPONENT**

**User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.069
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1

Outside Shoulder Cross Slope L/R  
Roadway Cross Slope L/R

6.00 % / 6.00 %  
2.00 % / 2.00 %

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.50 AC	\$20,000.00	\$10,000.00
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	206.45 CY	\$26.31	\$5,431.70
<b>Earthwork Component Total</b>				<b>\$15,431.70</b>

**ROADWAY COMPONENT**

**User Input Data**

Description	Value
Number of Lanes	1
Existing Roadway Pavement Width L/R	0.00 / 15.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 0.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	808.43 SY	\$2.59	\$2,093.83
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	606.32 SY	\$5.17	\$3,134.67
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	50.02 TN	\$141.47	\$7,076.33
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	24.25 TN	\$240.52	\$5,832.61

**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
710-11-101	PAINTED PAVT MARK, STD, WHITE, SOLID, 6"	0.07 GM	\$1,303.59	\$91.25
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.07 GM	\$4,552.88	\$318.70
711-16-201	THERMOPLASTIC, STD-OTH, YELLOW, SOLID, 6"	0.07 GM	\$4,552.50	\$318.68
<b>Roadway Component Total</b>				<b>\$18,866.07</b>

**SHOULDER COMPONENT**

**User Input Data**

Description	Value
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Existing Total Outside Shoulder Width L/R	0.00 / 0.00
New Total Outside Shoulder Width L/R	8.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2No. of Sides	0

#### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	592.58	SY	\$21.79	\$12,912.32
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	31.12	TN	\$141.47	\$4,402.55
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	22.64	TN	\$240.52	\$5,445.37

#### Erosion Control

##### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	836.72	LF	\$2.70	\$2,259.14
104-11	FLOATING TURBIDITY BARRIER	6.89	LF	\$12.73	\$87.71
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	6.89	LF	\$4.01	\$27.63
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,921.89	\$2,921.89
104-18	INLET PROTECTION SYSTEM	1.00	EA	\$169.34	\$169.34
107-1	LITTER REMOVAL	0.17	AC	\$45.28	\$7.70
107-2	MOWING	0.17	AC	\$72.25	\$12.28
<b>Shoulder Component Total</b>					<b>\$28,245.93</b>

#### DRAINAGE COMPONENT

##### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	16.00	LF	\$116.05	\$1,856.80
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	8.00	LF	\$171.65	\$1,373.20
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	1.00	EA	\$2,241.18	\$2,241.18
570-1-1	PERFORMANCE TURF	27.84	SY	\$2.02	\$56.24
<b>Drainage Component Total</b>					<b>\$5,527.42</b>

#### 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	\$528.30	\$528.30
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	2.00	AS	\$1,617.22	\$3,234.44
700-1-50	SINGLE POST SIGN, RELOCATE	1.00	AS	\$328.07	\$328.07
700-1-60	SINGLE POST SIGN, REMOVE	2.00	AS	\$118.97	\$237.94

700-2-13	MULTI- POST SIGN, F&I GM, 21-30 SF	1.00 AS	\$5,537.31	\$5,537.31
700-2-60	MULTI- POST SIGN, REMOVE	1.00 AS	\$1,051.85	\$1,051.85
<b>Signing Component Total</b>				<b>\$10,917.91</b>

### LIGHTING COMPONENT

#### Rural Lighting Subcomponent

Description		Value			
Multiplier (Number of Poles)		2			
Pay Items					
Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	400.00	LF	\$9.49	\$3,796.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	2.00	EA	\$765.10	\$1,530.20
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	1,200.00	LF	\$2.69	\$3,228.00
715-4-14	LIGHT POLE COMPLETE, F&I-STD, 45'	2.00	EA	\$6,352.63	\$12,705.26
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	2.00	EA	\$462.80	\$925.60
<b>Subcomponent Total</b>					<b>\$22,185.06</b>
<b>Lighting Component Total</b>					<b>\$22,185.06</b>

**Sequence 2 Total** \$101,174.09

**Sequence:** 3 WDU - Widen/Resurface, Divided, Urban **Net Length:** 0.091 MI  
481 LF

**Description:** Roadway Widening and Traffic Separator Reconstruction at the intersection of Seidel Rd and Avalon Rd.

### EARTHWORK COMPONENT

#### User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	12.00 / 12.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.091
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Median Shoulder Cross Slope L/R	4.00 % / 4.00 %
Existing Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
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	0.26	AC	\$20,000.00	\$5,200.00
120-2-2	BORROW EXCAVATION, TRUCK	225.29	CY	\$26.31	\$5,927.38



MEASURE

**Earthwork Component Total**

\$11,127.38

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**ROADWAY COMPONENT**

**User Input Data**

Description	Value
Number of Lanes	2
Existing Roadway Pavement Width L/R	24.00 / 24.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	12.00 / 0.00
Widened Inside Pavement Width L/R	0.00 / 0.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	779.23	SY	\$2.59	\$2,018.21
285-709	OPTIONAL BASE,BASE GROUP 09	658.98	SY	\$26.06	\$17,173.02
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	2,565.38	SY	\$5.17	\$13,263.01
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	211.64	TN	\$141.47	\$29,940.71
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	88.18	TN	\$141.47	\$12,474.82
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	102.62	TN	\$240.52	\$24,682.16
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	52.91	TN	\$240.52	\$12,725.91

**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	0

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	12.00	EA	\$6.19	\$74.28
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.18	GM	\$1,303.59	\$234.65
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.18	GM	\$4,552.88	\$819.52
711-16-201	THERMOPLASTIC, STD-OTH,YELLOW, SOLID, 6"	0.18	GM	\$4,552.50	\$819.45

**Roadway Component Total**

\$114,225.74

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**SHOULDER COMPONENT**

**User Input Data**

Description	Value
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Existing Total Outside Shoulder Width L/R	0.00 / 0.00
New Total Outside Shoulder Width L/R	0.00 / 0.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Sidewalk Width L/R	0.00 / 0.00

**Erosion Control**

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	962.02	LF	\$2.70	\$2,597.45
104-11	FLOATING TURBIDITY BARRIER	9.11	LF	\$12.73	\$115.97
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	9.11	LF	\$4.01	\$36.53
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,921.89	\$2,921.89
104-18	INLET PROTECTION SYSTEM	5.00	EA	\$169.34	\$846.70
107-1	LITTER REMOVAL	0.79	AC	\$45.28	\$35.77
107-2	MOWING	0.79	AC	\$72.25	\$57.08
<b>Shoulder Component Total</b>					<b>\$6,611.39</b>

**MEDIAN COMPONENT**

**User Input Data**

Description	Value
Total Median Width	22.50
Performance Turf Width	22.50

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	962.02	LF	\$30.43	\$29,274.27
570-1-1	PERFORMANCE TURF	1,202.52	SY	\$2.02	\$2,429.09
<b>Median Component Total</b>					<b>\$31,703.36</b>

**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	\$528.30	\$1,584.90
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	1.00	AS	\$1,617.22	\$1,617.22
700-1-50	SINGLE POST SIGN, RELOCATE	1.00	AS	\$328.07	\$328.07
700-1-60	SINGLE POST SIGN, REMOVE	3.00	AS	\$118.97	\$356.91
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	1.00	AS	\$6,597.30	\$6,597.30
700-2-60	MULTI- POST SIGN, REMOVE	1.00	AS	\$1,051.85	\$1,051.85
<b>Signing Component Total</b>					<b>\$11,536.25</b>

**Sequence 3 Total** **\$175,204.12**

**Sequence:** 4 RSD - Resurfacing, Divided

**Net Length:** 0.180 MI  
950 LF

**Description:** Seidel Rd intersecting with SR 429. Includes 2 Signalized Intersections

**ROADWAY COMPONENT**

**User Input Data**

<b>Description</b>	<b>Value</b>
Number of Lanes	4
Roadway Pavement Width L/R	29.00 / 35.00
Structural Spread Rate	165
Friction Course Spread Rate	80

**Pay Items**

<b>Pay item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	6,754.65	SY	\$5.17	\$34,921.54
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	557.26	TN	\$141.47	\$78,835.57
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	270.19	TN	\$240.52	\$64,986.10

**Pavement Marking Subcomponent**

<b>Description</b>	<b>Value</b>
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**

<b>Pay item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
706-1-3	RAISED PAVMT MARK, TYPE B	73.00	EA	\$6.19	\$451.87
710-11-101	PAINTED PAVT MARK, STD, WHITE, SOLID, 6"	0.36	GM	\$1,303.59	\$469.29
710-11-131	PAINTED PAVT MARK, STD, WHITE, SKIP, 6"	0.36	GM	\$438.24	\$157.77
711-15-131	THERMOPLASTIC, STD-OP, WHITE, SKIP, 6"	0.36	GM	\$1,694.38	\$609.98
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.36	GM	\$4,552.88	\$1,639.04
711-16-201	THERMOPLASTIC, STD-OTH, YELLOW, SOLID, 6"	0.36	GM	\$4,552.50	\$1,638.90

**Roadway Component Total** **\$183,710.06**

**SHOULDER COMPONENT**

**User Input Data**

<b>Description</b>	<b>Value</b>
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 1/2 No. of Sides	0

**Erosion Control**

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-11	FLOATING TURBIDITY BARRIER	17.99 LF	\$12.73	\$229.01
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	17.99 LF	\$4.01	\$72.14
107-1	LITTER REMOVAL	1.31 AC	\$45.28	\$59.32
107-2	MOWING	1.31 AC	\$72.25	\$94.65
<b>Shoulder Component Total</b>				<b>\$455.12</b>

**MEDIAN COMPONENT****User Input Data**

Description	Value
Total Median Width	40.00
Performance Turf Width	36.00
Total Median Shoulder Width L/R	0.00 / 0.00
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 $\bar{c}$ 1/2 No. of Sides	0

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
570-1-1	PERFORMANCE TURF	3,799.49 SY	\$2.02	\$7,674.97
<b>Median Component Total</b>				<b>\$7,674.97</b>

**SIGNALIZATIONS COMPONENT****Signalization 1**

Description	Value
Type	2 Lane Mast Arm
Multiplier	1
Description	Signalized Intersection between SR 429 SB On Ramp and Seidel Rd

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	800.00 LF	\$9.49	\$7,592.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	200.00 LF	\$22.53	\$4,506.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00 PI	\$8,368.88	\$8,368.88
633-3-11	FIBER OPTIC CONN HDWR, SPLICE ENCLOSURE	2.00 EA	\$840.51	\$1,681.02
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	12.00 EA	\$765.10	\$9,181.20
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00 AS	\$4,122.68	\$4,122.68
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00 LF	\$7.57	\$454.20
649-21-4	STEEL MAST ARM ASSEMBLY, F&I, 40'- 30'	3.00 EA	\$71,795.93	\$215,387.79
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	8.00 AS	\$1,469.23	\$11,753.84
653-1-11	PEDESTRIAN SIGNAL, F&I LED	8.00 AS	\$856.59	\$6,852.72

	COUNT, 1 WAY			
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	8.00 EA	\$330.47	\$2,643.76
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	8.00 AS	\$1,408.24	\$11,265.92
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00 EA	\$326.91	\$2,615.28
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00 AS	\$34,261.40	\$34,261.40
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00 EA	\$433.11	\$1,732.44

**Signalization 2**

<b>Description</b>	<b>Value</b>
Type	2 Lane Mast Arm
Multiplier	1
Description	Signalized Intersection between SR 429 NB off ramp and Seidel Rd.

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	800.00	LF	\$9.49	\$7,592.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	200.00	LF	\$22.53	\$4,506.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$8,368.88	\$8,368.88
633-3-11	FIBER OPTIC CONN HDWR, SPLICE ENCLOSURE	2.00	EA	\$840.51	\$1,681.02
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	12.00	EA	\$765.10	\$9,181.20
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	\$4,122.68	\$4,122.68
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00	LF	\$7.57	\$454.20
649-21-4	STEEL MAST ARM ASSEMBLY, F&I, 40'- 30'	3.00	EA	\$71,795.93	\$215,387.79
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	8.00	AS	\$1,469.23	\$11,753.84
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00	AS	\$856.59	\$6,852.72
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	8.00	EA	\$330.47	\$2,643.76
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	8.00	AS	\$1,408.24	\$11,265.92
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00	EA	\$326.91	\$2,615.28
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00	AS	\$34,261.40	\$34,261.40
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00	EA	\$433.11	\$1,732.44
<b>Signalizations Component Total</b>					<b>\$644,838.26</b>

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**Sequence 4 Total** \$836,678.41

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**Sequence:** 101 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.060 MI  
**Description:** SR 429 SB Ramp to I4 WB 315 LF

**EARTHWORK COMPONENT**

**User Input Data**

<b>Description</b>	<b>Value</b>
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Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00

Alignment Number	1
Distance	0.060
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.44 AC	\$20,000.00	\$8,800.00
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	223.17 CY	\$26.31	\$5,871.60
<b>Earthwork Component Total</b>				<b>\$14,671.60</b>

**ROADWAY COMPONENT**

**User Input Data**

Description	Value
Number of Lanes	3
Existing Roadway Pavement Width L/R	0.00 / 24.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 12.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	1,190.82 SY	\$2.59	\$3,084.22
285-709	OPTIONAL BASE,BASE GROUP 09	431.85 SY	\$26.06	\$11,254.01
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	840.58 SY	\$5.17	\$4,345.80
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	69.35 TN	\$141.47	\$9,810.94
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	57.79 TN	\$141.47	\$8,175.55
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	33.62 TN	\$240.52	\$8,086.28
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	34.67 TN	\$240.52	\$8,338.83

**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
536-73	GUARDRAIL REMOVAL	315.00 LF	\$2.48	\$781.20

**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	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
706-1-3	RAISED PAVMT MARK, TYPE B	32.00 EA	\$6.19	\$198.08
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.12 GM	\$1,303.59	\$156.43
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.12 GM	\$933.65	\$112.04
711-15-102	THERMOPLASTIC, STD-OP, WHITE, SOLID, 8"	0.12 GM	\$7,379.69	\$885.56
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.12 GM	\$4,552.88	\$546.35
711-16-231	THERMOPLASTIC, STD-OTH, YELLOW, SKIP, 6"	0.12 GM	\$2,270.75	\$272.49

**Peripherals Subcomponent**

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

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	10.50 TN	\$227.60	\$2,389.80
536-1-1	GUARDRAIL- ROADWAY, GEN TL-3	315.00 LF	\$21.34	\$6,722.10
<b>Roadway Component Total</b>				<b>\$65,159.68</b>

**SHOULDER COMPONENT**

**User Input Data**

Description	Value
Existing Total Outside Shoulder Width L/R	0.00 / 0.00
New Total Outside Shoulder Width L/R	10.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	10.00 / 12.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	0
Rumble Strips $\bar{i}$ $\frac{1}{2}$ No. of Sides	2

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	793.64 SY	\$21.79	\$17,293.42
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	42.38 TN	\$141.47	\$5,995.50
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	1.85 TN	\$240.52	\$444.96
546-72-1	GROUND-IN RUMBLE STRIPS, 16"	0.12 GM	\$1,446.19	\$173.54

**X-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-6	SHOULDER GUTTER- CONCRETE	315.00	LF	\$29.95	\$9,434.25

**Erosion Control****Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	725.00	LF	\$2.70	\$1,957.50
104-11	FLOATING TURBIDITY BARRIER	5.97	LF	\$12.73	\$76.00
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	5.97	LF	\$4.01	\$23.94
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,921.89	\$2,921.89
104-18	INLET PROTECTION SYSTEM	1.00	EA	\$169.34	\$169.34
107-1	LITTER REMOVAL	0.14	AC	\$45.28	\$6.34
107-2	MOWING	0.14	AC	\$72.25	\$10.12
<b>Shoulder Component Total</b>					<b>\$38,506.80</b>

**DRAINAGE COMPONENT****Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	8.00	LF	\$116.05	\$928.40
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	8.00	LF	\$171.65	\$1,373.20
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	1.00	EA	\$2,241.18	\$2,241.18
570-1-1	PERFORMANCE TURF	24.12	SY	\$2.02	\$48.72

**X-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
425-1-701	INLETS, GUTTER, TYPE S, <10'	1.00	EA	\$5,128.69	\$5,128.69
<b>Drainage Component Total</b>					<b>\$9,720.19</b>

**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	\$528.30	\$528.30
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	2.00	AS	\$1,617.22	\$3,234.44
700-1-50	SINGLE POST SIGN, RELOCATE	1.00	AS	\$328.07	\$328.07
700-1-60	SINGLE POST SIGN, REMOVE	2.00	AS	\$118.97	\$237.94
700-2-13	MULTI- POST SIGN, F&I GM, 21-30 SF	1.00	AS	\$5,537.31	\$5,537.31
700-2-60	MULTI- POST SIGN, REMOVE	1.00	AS	\$1,051.85	\$1,051.85
<b>Signing Component Total</b>					<b>\$10,917.91</b>

**Sequence 101 Total****\$138,976.18**



**Sequence:** 102 WUR - Widen/Resurface, Undivided, Rural

**Net Length:** 0.027 MI  
140 LF

**Description:** SR 429 SB to I4 EB

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**EARTHWORK COMPONENT**

**User Input Data**

<b>Description</b>	<b>Value</b>
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.030
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
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**

<b>Pay item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
110-1-1	CLEARING & GRUBBING	0.19	AC	\$20,000.00	\$3,800.00
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	43.06	CY	\$26.31	\$1,132.91
<b>Earthwork Component Total</b>					<b>\$4,932.91</b>

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**ROADWAY COMPONENT**

**User Input Data**

<b>Description</b>	<b>Value</b>
Number of Lanes	1
Existing Roadway Pavement Width L/R	0.00 / 15.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 0.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

**Pay Items**

<b>Pay item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
160-4	TYPE B STABILIZATION	186.56	SY	\$2.59	\$483.19
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	233.20	SY	\$5.17	\$1,205.64
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	19.24	TN	\$141.47	\$2,721.88
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	9.33	TN	\$240.52	\$2,244.05

**X-Items**

<b>Pay item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
536-73	GUARDRAIL REMOVAL	280.00	LF	\$2.48	\$694.40

**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	0

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.05	GM	\$1,303.59	\$65.18
711-15-102	THERMOPLASTIC, STD-OP, WHITE, SOLID, 8"	0.05	GM	\$7,379.69	\$368.98
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.05	GM	\$4,552.88	\$227.64

**Peripherals Subcomponent**

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

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	9.33	TN	\$227.60	\$2,123.51
536-1-1	GUARDRAIL- ROADWAY, GEN TL-3	280.00	LF	\$21.34	\$5,975.20

**Roadway Component Total**

\$16,109.67

**SHOULDER COMPONENT****User Input Data**

Description	Value
Existing Total Outside Shoulder Width L/R	0.00 / 8.00
New Total Outside Shoulder Width L/R	12.00 / 0.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Existing Paved Outside Shoulder Width L/R	0.00 / 8.00
New Paved Outside Shoulder Width L/R	12.00 / 0.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	0
Rumble Strips 1/2 No. of Sides	2

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	191.69	SY	\$21.79	\$4,176.93
327-70-1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	124.37	SY	\$7.71	\$958.89
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	10.26	TN	\$141.47	\$1,451.48
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	0.41	TN	\$240.52	\$98.61

546-72-1	GROUND-IN RUMBLE STRIPS, 16"	0.05 GM	\$1,446.19	\$72.31
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**Erosion Control**

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	321.82 LF	\$2.70	\$868.91
104-11	FLOATING TURBIDITY BARRIER	2.65 LF	\$12.73	\$33.73
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	2.65 LF	\$4.01	\$10.63
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$2,921.89	\$2,921.89
104-18	INLET PROTECTION SYSTEM	1.00 EA	\$169.34	\$169.34
107-1	LITTER REMOVAL	0.06 AC	\$45.28	\$2.72
107-2	MOWING	0.06 AC	\$72.25	\$4.34

**Shoulder Component Total** \$10,769.78

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**DRAINAGE COMPONENT**

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	8.00 LF	\$116.05	\$928.40
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	8.00 LF	\$171.65	\$1,373.20
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	1.00 EA	\$2,241.18	\$2,241.18
570-1-1	PERFORMANCE TURF	10.71 SY	\$2.02	\$21.63

**Drainage Component Total** \$4,564.41

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**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	\$528.30	\$528.30
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	1.00 AS	\$1,617.22	\$1,617.22
700-1-50	SINGLE POST SIGN, RELOCATE	1.00 AS	\$328.07	\$328.07
700-1-60	SINGLE POST SIGN, REMOVE	1.00 AS	\$118.97	\$118.97
700-2-13	MULTI- POST SIGN, F&I GM, 21-30 SF	1.00 AS	\$5,537.31	\$5,537.31
700-2-60	MULTI- POST SIGN, REMOVE	1.00 AS	\$1,051.85	\$1,051.85

**Signing Component Total** \$9,181.72

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**Sequence 102 Total** \$45,558.49

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**Sequence:** 103 WUR - Widen/Resurface, Undivided, Rural

**Net Length:** 0.119 MI  
626 LF

**Description:** (1 of 2) I4 EB Ramp to SR 429 NB

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**EARTHWORK COMPONENT**

**User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.119
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

#### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.87	AC	\$20,000.00	\$17,400.00
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	525.23	CY	\$26.31	\$13,818.80
<b>Earthwork Component Total</b>					<b>\$31,218.80</b>

#### ROADWAY COMPONENT

#### User Input Data

Description	Value
Number of Lanes	3
Existing Roadway Pavement Width L/R	0.00 / 12.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 24.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

#### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	3,339.78	SY	\$2.59	\$8,650.03
285-709	OPTIONAL BASE,BASE GROUP 09	1,692.85	SY	\$26.06	\$44,115.67
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	834.94	SY	\$5.17	\$4,316.64
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	68.88	TN	\$141.47	\$9,744.45
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	229.61	TN	\$141.47	\$32,482.93
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	33.40	TN	\$240.52	\$8,033.37
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	137.77	TN	\$240.52	\$33,136.44

#### X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
521-1-11	MEDIAN CONC BARRIER, 38" HEIGHT	626.00	LF	\$105.00	\$65,730.00
536-73	GUARDRAIL REMOVAL	936.00	LF	\$2.48	\$2,321.28

#### 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
706-1-3	RAISED PAVMT MARK, TYPE B	64.00	EA	\$6.19	\$396.16
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.24	GM	\$1,303.59	\$312.86
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.24	GM	\$933.65	\$224.08
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.24	GM	\$4,552.88	\$1,092.69
711-16-231	THERMOPLASTIC, STD-OTH, YELLOW, SKIP, 6"	0.24	GM	\$2,270.75	\$544.98

#### Peripherals Subcomponent

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

#### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	31.63	TN	\$227.60	\$7,198.99
536-1-1	GUARDRAIL- ROADWAY, GEN TL-3	939.00	LF	\$21.34	\$20,038.26
536-85-24	GUARDRAIL END TREATMENT- PARA APP TERM	1.00	EA	\$3,002.12	\$3,002.12

#### Roadway Component Total

\$241,340.95

### SHOULDER COMPONENT

#### User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	0.00 / 0.00
New Total Outside Shoulder Width L/R	12.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	12.00 / 12.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	0
Rumble Strips 1/2 No. of Sides	2

#### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	1,715.81	SY	\$21.79	\$37,387.50
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	91.84	TN	\$141.47	\$12,992.60

337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	3.67 TN	\$240.52	\$882.71
546-72-1	GROUND-IN RUMBLE STRIPS, 16"	0.24 GM	\$1,446.19	\$347.09

**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
520-6	SHOULDER GUTTER- CONCRETE	626.00 LF	\$29.95	\$18,748.70

**Erosion Control**

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	1,440.28 LF	\$2.70	\$3,888.76
104-11	FLOATING TURBIDITY BARRIER	11.86 LF	\$12.73	\$150.98
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	11.86 LF	\$4.01	\$47.56
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$2,921.89	\$2,921.89
104-18	INLET PROTECTION SYSTEM	1.00 EA	\$169.34	\$169.34
107-1	LITTER REMOVAL	0.29 AC	\$45.28	\$13.13
107-2	MOWING	0.29 AC	\$72.25	\$20.95

**Shoulder Component Total** \$77,571.21

**DRAINAGE COMPONENT**

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	24.00 LF	\$116.05	\$2,785.20
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	8.00 LF	\$171.65	\$1,373.20
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	2.00 EA	\$2,241.18	\$4,482.36
570-1-1	PERFORMANCE TURF	47.91 SY	\$2.02	\$96.78

**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
425-1-701	INLETS, GUTTER, TYPE S, <10'	2.00 EA	\$5,128.69	\$10,257.38

**Drainage Component Total** \$18,994.92

**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	\$528.30	\$528.30
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	3.00 AS	\$1,617.22	\$4,851.66
700-1-50	SINGLE POST SIGN, RELOCATE	1.00 AS	\$328.07	\$328.07
700-1-60	SINGLE POST SIGN, REMOVE	3.00 AS	\$118.97	\$356.91
700-2-13	MULTI- POST SIGN, F&I GM, 21-30 SF	1.00 AS	\$5,537.31	\$5,537.31
700-2-60	MULTI- POST SIGN, REMOVE	1.00 AS	\$1,051.85	\$1,051.85

**Signing Component Total** \$12,654.10

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**Sequence 103 Total**

\$381,779.98

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**Sequence:** 104 WUR - Widen/Resurface, Undivided, Rural

**Net Length:** 0.131 MI  
689 LF

**Description:** (2 of 2) I4 EB Ramp to SR 429 NB

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**EARTHWORK COMPONENT**

**User Input Data**

<b>Description</b>	<b>Value</b>
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.130
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
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**

<b>Pay item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
110-1-1	CLEARING & GRUBBING	0.95	AC	\$20,000.00	\$19,000.00
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	573.78	CY	\$26.31	\$15,096.15
<b>Earthwork Component Total</b>					<b>\$34,096.15</b>

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**ROADWAY COMPONENT**

**User Input Data**

<b>Description</b>	<b>Value</b>
Number of Lanes	3
Existing Roadway Pavement Width L/R	0.00 / 12.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 24.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

**Pay Items**

<b>Pay item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
160-4	TYPE B STABILIZATION	3,674.88	SY	\$2.59	\$9,517.94
285-709	OPTIONAL BASE,BASE GROUP 09	1,862.70	SY	\$26.06	\$48,541.96
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	918.72	SY	\$5.17	\$4,749.78
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	75.79	TN	\$141.47	\$10,722.01
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	252.65	TN	\$141.47	\$35,742.40
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	36.75	TN	\$240.52	\$8,839.11

337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	151.59 TN	\$240.52	\$36,460.43
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**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	13,308.00 SY	\$2.59	\$34,467.72
521-1-11	MEDIAN CONC BARRIER, 38" HEIGHT	689.00 LF	\$105.00	\$72,345.00
536-73	GUARDRAIL REMOVAL	689.00 LF	\$2.48	\$1,708.72

**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
706-1-3	RAISED PAVMT MARK, TYPE B	70.00 EA	\$6.19	\$433.30
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.26 GM	\$1,303.59	\$338.93
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.26 GM	\$933.65	\$242.75
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.26 GM	\$4,552.88	\$1,183.75
711-16-231	THERMOPLASTIC, STD-OTH, YELLOW, SKIP, 6"	0.26 GM	\$2,270.75	\$590.40

**Peripherals Subcomponent**

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

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	22.97 TN	\$227.60	\$5,227.97
536-1-1	GUARDRAIL- ROADWAY, GEN TL-3	689.00 LF	\$21.34	\$14,703.26

**Roadway Component Total** \$285,815.43

**SHOULDER COMPONENT**

**User Input Data**

Description	Value
Existing Total Outside Shoulder Width L/R	0.00 / 0.00
New Total Outside Shoulder Width L/R	12.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	12.00 / 12.00



Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	O
Rumble Strips 1/2 No. of Sides	2

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	1,887.97	SY	\$21.79	\$41,138.87
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	101.06	TN	\$141.47	\$14,296.96
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	4.04	TN	\$240.52	\$971.70
546-72-1	GROUND-IN RUMBLE STRIPS, 16"	0.26	GM	\$1,446.19	\$376.01

**X-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-6	SHOULDER GUTTER- CONCRETE	400.00	LF	\$29.95	\$11,980.00

**Erosion Control**

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	1,584.79	LF	\$2.70	\$4,278.93
104-11	FLOATING TURBIDITY BARRIER	13.05	LF	\$12.73	\$166.13
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	13.05	LF	\$4.01	\$52.33
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,921.89	\$2,921.89
104-18	INLET PROTECTION SYSTEM	1.00	EA	\$169.34	\$169.34
107-1	LITTER REMOVAL	0.32	AC	\$45.28	\$14.49
107-2	MOWING	0.32	AC	\$72.25	\$23.12

**Shoulder Component Total** \$76,389.77

**DRAINAGE COMPONENT**

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	24.00	LF	\$116.05	\$2,785.20
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	16.00	LF	\$171.65	\$2,746.40
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	2.00	EA	\$2,241.18	\$4,482.36
570-1-1	PERFORMANCE TURF	52.72	SY	\$2.02	\$106.49

**X-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
425-1-701	INLETS, GUTTER, TYPE S, <10'	2.00	EA	\$5,128.69	\$10,257.38

**Drainage Component Total** \$20,377.83

**SIGNING COMPONENT**

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12	1.00	AS	\$528.30	\$528.30

	SF			
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	3.00 AS	\$1,617.22	\$4,851.66
700-1-50	SINGLE POST SIGN, RELOCATE	1.00 AS	\$328.07	\$328.07
700-1-60	SINGLE POST SIGN, REMOVE	3.00 AS	\$118.97	\$356.91
700-2-13	MULTI- POST SIGN, F&I GM, 21-30 SF	1.00 AS	\$5,537.31	\$5,537.31
700-2-60	MULTI- POST SIGN, REMOVE	1.00 AS	\$1,051.85	\$1,051.85

**Signing Component Total** \$12,654.10

**Sequence 104 Total** \$429,333.28

**Sequence:** 105 WUR - Widen/Resurface, Undivided, Rural

**Net Length:** 0.079 MI  
418 LF

**Description:** SR 429 SB to I4 East and West Ramp

### EARTHWORK COMPONENT

**User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.079
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.57 AC	\$20,000.00	\$11,400.00
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	113.39 CY	\$26.31	\$2,983.29
<b>Earthwork Component Total</b>				<b>\$14,383.29</b>

### ROADWAY COMPONENT

**User Input Data**

Description	Value
Number of Lanes	4
Existing Roadway Pavement Width L/R	0.00 / 50.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 6.10
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	841.00 SY	\$2.59	\$2,178.19
285-709	OPTIONAL BASE,BASE GROUP 09	298.76 SY	\$26.06	\$7,785.69
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	2,323.20 SY	\$5.17	\$12,010.94
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	191.66 TN	\$141.47	\$27,114.14
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	38.97 TN	\$141.47	\$5,513.09
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	92.93 TN	\$240.52	\$22,351.52
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	23.38 TN	\$240.52	\$5,623.36

**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
536-73	GUARDRAIL REMOVAL	418.00 LF	\$2.48	\$1,036.64
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.16 GM	\$4,552.88	\$728.46

**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	3

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	53.00 EA	\$6.19	\$328.07
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.16 GM	\$1,303.59	\$208.57
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.24 GM	\$933.65	\$224.08
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.16 GM	\$4,552.88	\$728.46
711-16-231	THERMOPLASTIC, STD-OTH, YELLOW, SKIP, 6"	0.24 GM	\$2,270.75	\$544.98

**Peripherals Subcomponent**

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

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	13.93 TN	\$227.60	\$3,170.47

536-1-1	GUARDRAIL- ROADWAY, GEN TL-3	418.00 LF	\$21.34	\$8,920.12
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**Roadway Component Total**

\$98,466.78

**SHOULDER COMPONENT**

**User Input Data**

<b>Description</b>	<b>Value</b>
Existing Total Outside Shoulder Width L/R	0.00 / 12.00
New Total Outside Shoulder Width L/R	12.00 / 0.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Existing Paved Outside Shoulder Width L/R	0.00 / 12.00
New Paved Outside Shoulder Width L/R	12.00 / 0.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2 No. of Sides	2

**Pay Items**

<b>Pay item</b>	<b>Description</b>	<b>Quantity Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
285-704	OPTIONAL BASE,BASE GROUP 04	572.90 SY	\$21.79	\$12,483.49
327-70-1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	557.57 SY	\$7.71	\$4,298.86
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	30.67 TN	\$141.47	\$4,338.88
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	22.30 TN	\$240.52	\$5,363.60
546-72-1	GROUND-IN RUMBLE STRIPS, 16"	0.16 GM	\$1,446.19	\$231.39

**Erosion Control**

**Pay Items**

<b>Pay item</b>	<b>Description</b>	<b>Quantity Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
104-10-3	SEDIMENT BARRIER	961.80 LF	\$2.70	\$2,596.86
104-11	FLOATING TURBIDITY BARRIER	7.92 LF	\$12.73	\$100.82
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	7.92 LF	\$4.01	\$31.76
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$2,921.89	\$2,921.89
104-18	INLET PROTECTION SYSTEM	1.00 EA	\$169.34	\$169.34
107-1	LITTER REMOVAL	0.19 AC	\$45.28	\$8.60
107-2	MOWING	0.19 AC	\$72.25	\$13.73

**Shoulder Component Total**

\$32,559.22

**DRAINAGE COMPONENT**

**Pay Items**

<b>Pay item</b>	<b>Description</b>	<b>Quantity Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	16.00 LF	\$116.05	\$1,856.80
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	8.00 LF	\$171.65	\$1,373.20
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	1.00 EA	\$2,241.18	\$2,241.18

570-1-1	PERFORMANCE TURF	32.00 SY	\$2.02	\$64.64
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**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
425-1-701	INLETS, GUTTER, TYPE S, <10'	3.00 EA	\$5,128.69	\$15,386.07
<b>Drainage Component Total</b>				<b>\$20,921.89</b>

**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	\$528.30	\$528.30
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	2.00 AS	\$1,617.22	\$3,234.44
700-1-50	SINGLE POST SIGN, RELOCATE	1.00 AS	\$328.07	\$328.07
700-1-60	SINGLE POST SIGN, REMOVE	2.00 AS	\$118.97	\$237.94
700-2-13	MULTI- POST SIGN, F&I GM, 21-30 SF	1.00 AS	\$5,537.31	\$5,537.31
700-2-60	MULTI- POST SIGN, REMOVE	1.00 AS	\$1,051.85	\$1,051.85

**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
700-3-606	SIGN PANEL, REMOVE, 101-200 SF	2.00 EA	\$533.67	\$1,067.34
700-4-125	OH STATIC SIGN STR, F&I, S 51-100 FT	1.00 EA	\$262,000.00	\$262,000.00
700-4-620	OH STATIC SIGN STR, REMOVE, SPAN	1.00 EA	\$12,920.08	\$12,920.08
<b>Signing Component Total</b>				<b>\$286,905.33</b>

**Sequence 105 Total** \$453,236.51

**Sequence:** 106 RSU - Resurfacing, Undivided **Net Length:** 0.099 MI  
523 LF  
**Description:** I4 WB Ramp to SR 429 NB

**ROADWAY COMPONENT**

**User Input Data**

Description	Value
Number of Lanes	1
Roadway Pavement Width L/R	0.00 / 15.00
Structural Spread Rate	165
Friction Course Spread Rate	80

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	872.08 SY	\$5.17	\$4,508.65
334-1-13	SUPERPAVE ASPHALTIC CONC,	71.95 TN	\$141.47	\$10,178.77

337-7-83	TRAFFIC C ASPH CONC FC, TRAFFIC C, FC- 12.5, PG 76-22	34.88 TN	\$240.52	\$8,389.34
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**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
536-73	GUARDRAIL REMOVAL	523.00 LF	\$2.48	\$1,297.04

**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	0

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
710-11-101	PAINTED PAVT MARK, STD, WHITE, SOLID, 6"	0.20 GM	\$1,303.59	\$260.72
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.20 GM	\$4,552.88	\$910.58
711-16-201	THERMOPLASTIC, STD- OTH, YELLOW, SOLID, 6"	0.20 GM	\$4,552.50	\$910.50

**Peripherals Subcomponent**

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

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	17.77 TN	\$227.60	\$4,044.45
536-1-1	GUARDRAIL- ROADWAY, GEN TL-3	523.00 LF	\$21.34	\$11,160.82
536-85-24	GUARDRAIL END TREATMENT- PARA APP TERM	1.00 EA	\$3,002.12	\$3,002.12

**Roadway Component Total** \$44,662.99

**SHOULDER COMPONENT**

**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	2.00 / 10.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Paved Outside Shoulder Width L/R	2.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	O

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
327-70-1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	697.66 SY	\$7.71	\$5,378.96
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	38.37 TN	\$141.47	\$5,428.20
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	3.07 TN	\$240.52	\$738.40
546-72-1	GROUND-IN RUMBLE STRIPS, 16"	0.20 GM	\$1,446.19	\$289.24

**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
520-6	SHOULDER GUTTER- CONCRETE	523.00 LF	\$29.95	\$15,663.85
534-72-101	SOUND/NOISE BARRIER-INC FOUNDATION, PERM	5,723.00 SF	\$31.00	\$177,413.00

**Comment:** Noise Barrier Wall A: Reunion East Side

**Erosion Control****Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-11	FLOATING TURBIDITY BARRIER	9.91 LF	\$12.73	\$126.15
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	9.91 LF	\$4.01	\$39.74
104-18	INLET PROTECTION SYSTEM	1.00 EA	\$169.34	\$169.34
107-1	LITTER REMOVAL	0.24 AC	\$45.28	\$10.87
107-2	MOWING	0.24 AC	\$72.25	\$17.34
<b>Shoulder Component Total</b>				<b>\$205,275.09</b>

**Sequence 106 Total**

\$249,938.08

**Sequence:** 107 WDR - Widen/Resurface, Divided, Rural**Net Length:**0.358 MI  
1,889 LF**Description:** (1 of 4)SR 429 NB and SB. Mill/Resurface, Widen, and Reconstruction.**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	88.00 / 88.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.358
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
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Median Slope L/R	6 to 1 / 6 to 1
Existing Median Shoulder Cross Slope L/R	5.00 % / 5.00 %
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %

Front Slope L/R	6 to 1 / 6 to 1
Median Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	5.00 % / 5.00 %
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	7.64 AC	\$20,000.00	\$152,800.00
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	22,199.12 CY	\$26.31	\$584,058.85
<b>Earthwork Component Total</b>				<b>\$736,858.85</b>

**ROADWAY COMPONENT**

**User Input Data**

Description	Value
Number of Lanes	6
Existing Roadway Pavement Width L/R	20.00 / 20.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	8.00 / 0.00
Widened Inside Pavement Width L/R	22.00 / 22.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	20,571.11 SY	\$2.59	\$53,279.17
285-709	OPTIONAL BASE,BASE GROUP 09	11,123.10 SY	\$26.06	\$289,867.99
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	8,396.37 SY	\$5.17	\$43,409.23
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	692.70 TN	\$141.47	\$97,996.27
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,500.85 TN	\$141.47	\$212,325.25
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	335.85 TN	\$240.52	\$80,778.64
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	900.51 TN	\$240.52	\$216,590.67

**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
536-73	GUARDRAIL REMOVAL	2,834.00 LF	\$2.48	\$7,028.32
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6" <b>Comment:</b> Extra Striping for the full 8 lanes	0.72 GM	\$438.24	\$315.53
711-15-131	THERMOPLASTIC, STD-OP, WHITE, SKIP, 6" <b>Comment:</b> Extra Striping for the full 8 lanes	0.72 GM	\$1,694.38	\$1,219.95

**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
706-1-3	RAISED PAVMT MARK, TYPE B	242.00	EA	\$6.19	\$1,497.98
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	1.43	GM	\$1,303.59	\$1,864.13
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	1.43	GM	\$438.24	\$626.68
711-15-101	THERMOPLASTIC, STD-OP, WHITE, SOLID, 6"	1.43	GM	\$5,266.55	\$7,531.17
711-15-131	THERMOPLASTIC, STD-OP, WHITE, SKIP, 6"	1.43	GM	\$1,694.38	\$2,422.96
711-15-201	THERMOPLASTIC, STD-OP,YELLOW, SOLID, 6"	1.43	GM	\$5,718.11	\$8,176.90

**Peripherals Subcomponent**

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

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	32.83	TN	\$227.60	\$7,472.11
536-1-1	GUARDRAIL- ROADWAY, GEN TL-3	945.00	LF	\$21.34	\$20,166.30
536-85-24	GUARDRAIL END TREATMENT-PARA APP TERM	4.00	EA	\$3,002.12	\$12,008.48
<b>Roadway Component Total</b>					<b>\$1,064,577.73</b>

**SHOULDER COMPONENT**

**User Input Data**

Description	Value
Existing Total Outside Shoulder Width L/R	0.00 / 0.00
New Total Outside Shoulder Width L/R	12.00 / 10.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	12.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	0
Rumble Strips i; ½No. of Sides	2

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	4,756.55	SY	\$21.79	\$103,645.22
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	253.99	TN	\$141.47	\$35,931.97
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	11.08	TN	\$240.52	\$2,664.96

546-72-1	GROUND-IN RUMBLE STRIPS, 16"	0.72 GM	\$1,446.19	\$1,041.26
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**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
520-6	SHOULDER GUTTER- CONCRETE	1,889.00 LF	\$29.95	\$56,575.55
534-72-101	SOUND/NOISE BARRIER-INC FOUNDATION, PERM	41,558.00 SF	\$31.00	\$1,288,298.00
<b>Comment:</b> Noise Barrier Wall A: Reunion East Side				

**Erosion Control**

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	4,345.12 LF	\$2.70	\$11,731.82
104-11	FLOATING TURBIDITY BARRIER	35.78 LF	\$12.73	\$455.48
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	35.78 LF	\$4.01	\$143.48
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$2,921.89	\$2,921.89
107-1	LITTER REMOVAL	2.60 AC	\$45.28	\$117.73
107-2	MOWING	2.60 AC	\$72.25	\$187.85
<b>Shoulder Component Total</b>				<b>\$1,503,715.21</b>

**MEDIAN COMPONENT**

**User Input Data**

Description	Value
Total Median Width	40.00
Performance Turf Width	5.34
New Total Median Shoulder Width L/R	12.00 / 12.00
New Paved Median Shoulder Width L/R	12.00 / 12.00
Existing Total Median Shoulder Width L/R	0.00 / 0.00
Existing 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)	0
Rumble Strips $\bar{i}$ $\bar{j}$ $\frac{1}{2}$ No. of Sides	2

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	5,176.36 SY	\$21.79	\$112,792.88
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	277.08 TN	\$141.47	\$39,198.51
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	11.08 TN	\$240.52	\$2,664.96
521-1-11	MEDIAN CONC BARRIER, 38" HEIGHT	1,889.00 LF	\$105.00	\$198,345.00
546-72-1	GROUND-IN RUMBLE STRIPS, 16"	1.00 GM	\$1,446.19	\$1,446.19
570-1-1	PERFORMANCE TURF	1,120.92 SY	\$2.02	\$2,264.26
<b>Median Component Total</b>				<b>\$356,711.80</b>

**DRAINAGE COMPONENT**

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
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430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	288.00 LF	\$116.05	\$33,422.40
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	32.00 LF	\$171.65	\$5,492.80
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	15.00 EA	\$2,241.18	\$33,617.70
570-1-1	PERFORMANCE TURF	251.89 SY	\$2.02	\$508.82

**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
425-1-701	INLETS, GUTTER, TYPE S, <10'	8.00 EA	\$5,128.69	\$41,029.52
425-1-781	INLETS, MED BARRIER, TYPE 1, <=10'	9.00 EA	\$7,450.32	\$67,052.88
<b>Drainage Component Total</b>				<b>\$181,124.12</b>

**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	\$528.30	\$528.30
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	9.00 AS	\$1,617.22	\$14,554.98
700-1-50	SINGLE POST SIGN, RELOCATE	1.00 AS	\$328.07	\$328.07
700-1-60	SINGLE POST SIGN, REMOVE	9.00 AS	\$118.97	\$1,070.73
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	1.00 AS	\$6,597.30	\$6,597.30
700-2-60	MULTI- POST SIGN, REMOVE	1.00 AS	\$1,051.85	\$1,051.85
<b>Signing Component Total</b>				<b>\$24,131.23</b>

**INTELLIGENT TRAFFIC SYSTEM (ITS) COMPONENT**

**Description of Work**

**EX-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
000-000	ITS	1,889.00 LF	\$66.00	\$124,674.00
<b>Comment:</b> General ITS per LF of roadway in Sequence. Assume \$66/LF				
<b>Intelligent Traffic System (ITS) Component Total</b>				<b>\$124,674.00</b>

**LIGHTING COMPONENT**

**Rural Lighting Subcomponent**

Description	Value			
Multiplier (Number of Poles)	16			
Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	3,200.00 LF	\$9.49	\$30,368.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	16.00 EA	\$765.10	\$12,241.60
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	9,600.00 LF	\$2.69	\$25,824.00
715-4-14	LIGHT POLE COMPLETE, F&I-	16.00 EA	\$6,352.63	\$101,642.08

715-500-1	STD, 45' POLE CABLE DIST SYS, CONVENTIONAL	16.00 EA	\$462.80	\$7,404.80
	<b>Subcomponent Total</b>			\$177,480.48
	<b>Lighting Component Total</b>			\$177,480.48

**Sequence 107 Total** \$4,169,273.42

**Sequence:** 108 WDR - Widen/Resurface, Divided, Rural **Net Length:** 1.697 MI  
8,960 LF

**Description:** (2 of 4)SR 429 NB and SB. Mill/Resurface, Widen, and Reconstruction. (Includes excel/decals as X-Items)

### EARTHWORK COMPONENT

**User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	88.00 / 88.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.358
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Median Slope L/R	6 to 1 / 6 to 1
Existing Median Shoulder Cross Slope L/R	5.00 % / 5.00 %
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Median Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	5.00 % / 5.00 %
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	36.20 AC	\$20,000.00	\$724,000.00
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	5,361.98 CY	\$26.31	\$141,073.69
	<b>Earthwork Component Total</b>			\$865,073.69

### ROADWAY COMPONENT

**User Input Data**

Description	Value
Number of Lanes	6
Existing Roadway Pavement Width L/R	20.00 / 20.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	18.00 / 18.00
Widened Inside Pavement Width L/R	10.00 / 10.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	80

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	97,068.40 SY	\$2.59	\$251,407.16
285-709	OPTIONAL BASE,BASE GROUP 09	57,066.26 SY	\$26.06	\$1,487,146.74
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	39,822.93 SY	\$5.17	\$205,884.55
334-1-15	SUPERPAVE ASPHALTIC CONC, TRAFFIC E	3,285.39 TN	\$300.00	\$985,617.00
334-1-15	SUPERPAVE ASPHALTIC CONC, TRAFFIC E	7,665.91 TN	\$300.00	\$2,299,773.00
337-7-88	ASPH CONC FC, TRAFFIC E, FC-12.5, PG 76-22	1,592.92 TN	\$601.26	\$957,759.08
337-7-88	ASPH CONC FC, TRAFFIC E, FC-12.5, PG 76-22	2,230.08 TN	\$601.26	\$1,340,857.90

**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	13,308.00 SY	\$2.59	\$34,467.72
285-709	OPTIONAL BASE,BASE GROUP 09	13,308.00 SY	\$26.06	\$346,806.48
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,097.00 TN	\$141.47	\$155,192.59
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	532.00 TN	\$240.52	\$127,956.64
536-73	GUARDRAIL REMOVAL	12,200.00 LF	\$2.48	\$30,256.00
710-11-131	PAINTED PAVT MARK, STD, WHITE, SKIP, 6" <b>Comment:</b> Extra Striping for the full 8 lanes	3.81 GM	\$438.24	\$1,669.69
711-15-131	THERMOPLASTIC, STD-OP, WHITE, SKIP, 6" <b>Comment:</b> Extra Striping for the full 8 lanes	3.81 GM	\$1,694.38	\$6,455.59

**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
706-1-3	RAISED PAVMT MARK, TYPE B	1,145.00 EA	\$6.19	\$7,087.55
710-11-101	PAINTED PAVT MARK, STD, WHITE, SOLID, 6"	6.79 GM	\$1,303.59	\$8,851.38
710-11-131	PAINTED PAVT MARK, STD, WHITE, SKIP, 6"	6.79 GM	\$438.24	\$2,975.65
711-15-101	THERMOPLASTIC, STD-OP, WHITE, SOLID, 6"	6.79 GM	\$5,266.55	\$35,759.87
711-15-131	THERMOPLASTIC, STD-OP, WHITE, SKIP, 6"	6.79 GM	\$1,694.38	\$11,504.84
711-15-201	THERMOPLASTIC, STD-OP, YELLOW, SOLID, 6"	6.79 GM	\$5,718.11	\$38,825.97

**Peripherals Subcomponent**

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00

Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	103.33 TN	\$227.60	\$23,517.91
536-1-1	GUARDRAIL- ROADWAY, GEN TL-3	3,000.00 LF	\$21.34	\$64,020.00
536-85-24	GUARDRAIL END TREATMENT-PARA APP TERM	10.00 EA	\$3,002.12	\$30,021.20
<b>Roadway Component Total</b>				<b>\$8,453,814.51</b>

**SHOULDER COMPONENT**

**User Input Data**

Description	Value
Existing Total Outside Shoulder Width L/R	2.50 / 4.00
New Total Outside Shoulder Width L/R	9.50 / 8.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Existing Paved Outside Shoulder Width L/R	2.50 / 4.00
New Paved Outside Shoulder Width L/R	9.50 / 8.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	0
Rumble Strips $\bar{i}$ $\frac{1}{2}$ No. of Sides	2

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	18,079.61 SY	\$21.79	\$393,954.70
327-70-1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	6,471.23 SY	\$7.71	\$49,893.18
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	958.24 TN	\$141.47	\$135,562.21
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	52.57 TN	\$240.52	\$12,644.14
546-72-1	GROUND-IN RUMBLE STRIPS, 16"	3.39 GM	\$1,446.19	\$4,902.58

**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
520-6	SHOULDER GUTTER- CONCRETE	1,600.00 LF	\$29.95	\$47,920.00
534-72-101	SOUND/NOISE BARRIER-INC FOUNDATION, PERM	40,370.00 SF	\$31.00	\$1,251,470.00

**Comment:** Noise Barrier Wall A: Reunion East Side

**Erosion Control**

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	20,608.37 LF	\$2.70	\$55,642.60
104-11	FLOATING TURBIDITY BARRIER	169.70 LF	\$12.73	\$2,160.28
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	169.70 LF	\$4.01	\$680.50
104-15	SOIL TRACKING PREVENTION DEVICE	2.00 EA	\$2,921.89	\$5,843.78

107-1	LITTER REMOVAL	12.34 AC	\$45.28	\$558.76
107-2	MOWING	12.34 AC	\$72.25	\$891.56

**Shoulder Component Total**

\$1,962,124.30

**MEDIAN COMPONENT**

**User Input Data**

Description	Value
Total Median Width	26.00
Performance Turf Width	0.00
New Total Median Shoulder Width L/R	12.00 / 12.00
New Paved Median Shoulder Width L/R	12.00 / 12.00
Existing Total Median Shoulder Width L/R	0.00 / 0.00
Existing 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)	O
Rumble Strips 1/2 No. of Sides	2

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	24,550.84 SY	\$21.79	\$534,962.80
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,314.16 TN	\$141.47	\$185,914.22
337-7-25	ASPH CONC FC,INC BIT,FC- 5,PG76-22	52.57 TN	\$198.46	\$10,433.04
521-1-11	MEDIAN CONC BARRIER, 38" HEIGHT	8,960.00 LF	\$105.00	\$940,800.00
546-72-1	GROUND-IN RUMBLE STRIPS, 16"	3.00 GM	\$1,446.19	\$4,338.57
<b>Median Component Total</b>				<b>\$1,676,448.63</b>

**DRAINAGE COMPONENT**

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	1,360.00 LF	\$116.05	\$157,828.00
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	136.00 LF	\$171.65	\$23,344.40
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	68.00 EA	\$2,241.18	\$152,400.24
570-1-1	PERFORMANCE TURF	1,194.69 SY	\$2.02	\$2,413.27

**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
425-1-793	INLETS, MED BARRIER, TYPE 2, J BOT, <10'	36.00 EA	\$7,879.39	\$283,658.04
<b>Drainage Component Total</b>				<b>\$619,643.95</b>

**SIGNING COMPONENT**

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12	4.00 AS	\$528.30	\$2,113.20

	SF			
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	41.00 AS	\$1,617.22	\$66,306.02
700-1-50	SINGLE POST SIGN, RELOCATE	4.00 AS	\$328.07	\$1,312.28
700-1-60	SINGLE POST SIGN, REMOVE	41.00 AS	\$118.97	\$4,877.77
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	4.00 AS	\$6,597.30	\$26,389.20
700-2-60	MULTI- POST SIGN, REMOVE	4.00 AS	\$1,051.85	\$4,207.40
<b>Signing Component Total</b>				<b>\$105,205.87</b>

### INTELLIGENT TRAFFIC SYSTEM (ITS) COMPONENT

#### Description of Work

#### EX-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
000-000	GENERAL ITS	8,960.00 LF	\$66.00	\$591,360.00
<b>Comment:</b> General ITS per LF of roadway in Sequence. Assume \$66/LF				
<b>Intelligent Traffic System (ITS) Component Total</b>				<b>\$591,360.00</b>

### LIGHTING COMPONENT

#### Rural Lighting Subcomponent

Description	Value			
Multiplier (Number of Poles)	76			
<b>Pay Items</b>				
Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	15,200.00 LF	\$9.49	\$144,248.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	76.00 EA	\$765.10	\$58,147.60
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	45,600.00 LF	\$2.69	\$122,664.00
715-4-14	LIGHT POLE COMPLETE, F&I-STD, 45'	76.00 EA	\$6,352.63	\$482,799.88
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	76.00 EA	\$462.80	\$35,172.80
<b>Subcomponent Total</b>				<b>\$843,032.28</b>
<b>Lighting Component Total</b>				<b>\$843,032.28</b>

**Sequence 108 Total** **\$15,116,703.23**

**Sequence:** 109 WDR - Widen/Resurface, Divided, Rural **Net Length:** 8.440 MI  
44,563 LF

**Description:** (3 of 4)SR 429 NB and SB. Mill/Resurface, Widen, and Reconstruction. Includes NB Bridges and Mainline, Toll Plaza (Includes excel/decal as X-Items)

### EARTHWORK COMPONENT

#### User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	88.00 / 88.00
Incidental Clearing and Grubbing Area	0.00



Alignment Number	1
Distance	8.440
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
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Median Slope L/R	6 to 1 / 6 to 1
Existing Median Shoulder Cross Slope L/R	5.00 % / 5.00 %
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Median Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	5.00 % / 5.00 %
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	180.05 AC	\$20,000.00	\$3,601,000.00
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	395,292.09 CY	\$26.31	\$10,400,134.89
<b>Earthwork Component Total</b>				<b>\$14,001,134.89</b>

**ROADWAY COMPONENT**

**User Input Data**

Description	Value
Number of Lanes	6
Existing Roadway Pavement Width L/R	19.00 / 19.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	29.00 / 29.00
Widened Inside Pavement Width L/R	0.00 / 0.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	524,855.47 SY	\$2.59	\$1,359,375.67
285-709	OPTIONAL BASE,BASE GROUP 09	290,453.03 SY	\$26.06	\$7,569,205.96
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	188,155.73 SY	\$5.17	\$972,765.12
334-1-15	SUPERPAVE ASPHALTIC CONC, TRAFFIC E	39,487.95 TN	\$300.00	\$11,846,385.00
334-1-15	SUPERPAVE ASPHALTIC CONC, TRAFFIC E	15,522.85 TN	\$300.00	\$4,656,855.00
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	23,692.77 TN	\$240.52	\$5,698,585.04
337-7-88	ASPH CONC FC, TRAFFIC E, FC-12.5, PG 76-22	7,526.23 TN	\$601.26	\$4,525,221.05

**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	55,705.00 SY	\$2.59	\$144,275.95
	<b>Comment:</b> Acceleration / Deceleration Lanes			
285-709	OPTIONAL BASE,BASE GROUP	55,705.00 SY	\$26.06	\$1,451,672.30

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**Comment:** Acceleration / Deceleration Lanes

334-1-15	SUPERPAVE ASPHALTIC CONC, TRAFFIC E	6,288.00 TN	\$300.00	\$1,886,400.00
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**Comment:** Acceleration / Deceleration Lanes

337-7-88	ASPH CONC FC,TRAFFIC E,FC- 12.5,PG 76-22	3,826.00 TN	\$601.26	\$2,300,420.76
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**Comment:** Acceleration / Deceleration Lanes

455-133-2	SHEET PILING STEEL, TEMPORARY-CRITICAL	150.00 SF	\$77.28	\$11,592.00
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521-8-4	CONC TRAF RAIL BAR,JCT SLAB,42"V SHP	780.00 LF	\$293.73	\$229,109.40
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536-73	GUARDRAIL REMOVAL	84,727.00 LF	\$2.48	\$210,122.96
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710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	16.80 GM	\$438.24	\$7,362.43
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**Comment:** Extra Striping for the full 8 lanes

711-15-131	THERMOPLASTIC, STD-OP, WHITE, SKIP, 6"	16.80 GM	\$1,694.38	\$28,465.58
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**Comment:** Extra Striping for the full 8 lanes

**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	5,697.00 EA	\$12.38	\$70,528.86
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	33.76 GM	\$1,303.59	\$44,009.20
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	33.76 GM	\$438.24	\$14,794.98
711-15-101	THERMOPLASTIC, STD-OP, WHITE, SOLID, 6"	33.76 GM	\$5,266.55	\$177,798.73
711-15-131	THERMOPLASTIC, STD-OP, WHITE, SKIP, 6"	33.76 GM	\$1,694.38	\$57,202.27
711-15-201	THERMOPLASTIC, STD- OP,YELLOW, SOLID, 6"	33.76 GM	\$5,718.11	\$193,043.39

**Peripherals Subcomponent**

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

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	787.33 TN	\$227.60	\$179,196.31
536-1-1	GUARDRAIL- ROADWAY, GEN	23,500.00 LF	\$21.34	\$501,490.00

536-85-24	TL-3 GUARDRAIL END TREATMENT- PARA APP TERM	12.00 EA	\$3,002.12	\$36,025.44
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**Roadway Component Total**

\$44,171,903.40

**SHOULDER COMPONENT**

**User Input Data**

Description	Value
Existing Total Outside Shoulder Width L/R	0.00 / 0.00
New Total Outside Shoulder Width L/R	12.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	12.00 / 12.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	0
Rumble Strips 1/2 No. of Sides	2

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	122,103.17 SY	\$21.79	\$2,660,628.07
334-1-15	SUPERPAVE ASPHALTIC CONC, TRAFFIC E	6,535.94 TN	\$300.00	\$1,960,782.00
337-7-88	ASPH CONC FC,TRAFFIC E,FC- 12.5,PG 76-22	261.44 TN	\$601.26	\$157,193.41
546-72-1	GROUND-IN RUMBLE STRIPS, 16"	16.88 GM	\$1,446.19	\$24,411.69

**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
520-6	SHOULDER GUTTER- CONCRETE	2,000.00 LF	\$29.95	\$59,900.00
521-8-7	CONC BARRIER, W/JUNCT SL, 36 SS	998.00 LF	\$250.00	\$249,500.00
	<b>Comment:</b> Barrier wall for retaining wall sections			
534-72-101	SOUND/NOISE BARRIER-INC FOUNDATION, PERM	253,330.00 SF	\$31.00	\$7,853,230.00
	<b>Comment:</b> Noise Barrier Walls Wall B: Indian Creek West Side Wall C: Indian Creek East Side Wall D: Emerald Island Resort Wall E: Oak Island Cove Wall F: Domain Orlando Wall H: Lake Shore			

**Erosion Control**

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	102,495.36 LF	\$2.70	\$276,737.47
104-11	FLOATING TURBIDITY BARRIER	844.00 LF	\$12.73	\$10,744.12
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	844.00 LF	\$4.01	\$3,384.44
104-15	SOIL TRACKING PREVENTION DEVICE	9.00 EA	\$2,921.89	\$26,297.01
104-18	INLET PROTECTION SYSTEM	17.00 EA	\$169.34	\$2,878.78
107-1	LITTER REMOVAL	61.36 AC	\$45.28	\$2,778.38
107-2	MOWING	61.36 AC	\$72.25	\$4,433.26

**MEDIAN COMPONENT****User Input Data**

Description	Value
Total Median Width	26.00
Performance Turf Width	0.00
New Total Median Shoulder Width L/R	12.00 / 12.00
New Paved Median Shoulder Width L/R	12.00 / 12.00
Existing Total Median Shoulder Width L/R	0.00 / 0.00
Existing 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)	O
Rumble Strips 1/2 No. of Sides	0

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	122,103.17 SY	\$21.79	\$2,660,628.07
334-1-15	SUPERPAVE ASPHALTIC CONC, TRAFFIC E	6,535.94 TN	\$300.00	\$1,960,782.00
337-7-88	ASPH CONC FC,TRAFFIC E,FC-12.5,PG 76-22	261.44 TN	\$601.26	\$157,193.41
521-1-11	MEDIAN CONC BARRIER, 38" HEIGHT	44,563.00 LF	\$105.00	\$4,679,115.00
<b>Median Component Total</b>				<b>\$9,457,718.48</b>

**DRAINAGE COMPONENT****Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	6,752.00 LF	\$116.05	\$783,569.60
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	680.00 LF	\$171.65	\$116,722.00
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	338.00 EA	\$2,241.18	\$757,518.84
570-1-1	PERFORMANCE TURF	5,941.76 SY	\$2.02	\$12,002.36

**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
425-1-541	INLETS, DT BOT, TYPE D, <10'	88.00 EA	\$5,744.39	\$505,506.32
425-1-701	INLETS, GUTTER, TYPE S, <10'	20.00 EA	\$5,128.69	\$102,573.80
425-1-793	INLETS, MED BARRIER, TYPE 2, J BOT, <10'	177.00 EA	\$7,879.39	\$1,394,652.03

**Retention Basin 1**

Description	Value
Size	15 AC
Multiplier	1
Depth	12.00

Description (1 of 3) Livingston Interchange Ponds

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	15.00	AC	\$20,000.00	\$300,000.00
120-1	REGULAR EXCAVATION	290,400.00	CY	\$14.07	\$4,085,928.00
425-1-541	INLETS, DT BOT, TYPE D, <10'	2.00	EA	\$5,744.39	\$11,488.78
425-2-71	MANHOLES, J-7, <10'	3.00	EA	\$8,031.77	\$24,095.31
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	104.00	LF	\$193.67	\$20,141.68
430-175-160	PIPE CULV, OPT MATL, ROUND, 60"S/CD	600.00	LF	\$522.06	\$313,236.00
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	3,600.00	LF	\$22.19	\$79,884.00
550-60-234	FENCE GATE, TYP B, SLIDE/CANT, 18.1-20' OPEN	4.00	EA	\$2,473.66	\$9,894.64
570-1-1	PERFORMANCE TURF	72,600.00	SY	\$2.02	\$146,652.00

**Retention Basin 2**

Description	Value
Size	2 AC
Multiplier	1
Depth	12.00
Description	(2 of 3) Livingston Interchange Ponds

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	2.00	AC	\$20,000.00	\$40,000.00
120-1	REGULAR EXCAVATION	38,720.00	CY	\$14.07	\$544,790.40
425-1-541	INLETS, DT BOT, TYPE D, <10'	1.00	EA	\$5,744.39	\$5,744.39
425-2-71	MANHOLES, J-7, <10'	1.00	EA	\$8,031.77	\$8,031.77
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	56.00	LF	\$193.67	\$10,845.52
430-175-160	PIPE CULV, OPT MATL, ROUND, 60"S/CD	200.00	LF	\$522.06	\$104,412.00
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	1,180.00	LF	\$22.19	\$26,184.20
550-60-234	FENCE GATE, TYP B, SLIDE/CANT, 18.1-20' OPEN	1.00	EA	\$2,473.66	\$2,473.66
570-1-1	PERFORMANCE TURF	9,680.00	SY	\$2.02	\$19,553.60

**Retention Basin 3**

Description	Value
Size	2.5 AC
Multiplier	1
Depth	12.00
Description	(3 of 3) Livingston Interchange Ponds

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	2.50	AC	\$20,000.00	\$50,000.00
120-1	REGULAR EXCAVATION	48,400.00	CY	\$14.07	\$680,988.00
425-1-361	INLETS, CURB, TYPE P-6, <10'	1.00	EA	\$5,834.18	\$5,834.18
425-2-71	MANHOLES, J-7, <10'	1.00	EA	\$8,031.77	\$8,031.77
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	56.00	LF	\$193.67	\$10,845.52
430-175-160	PIPE CULV, OPT MATL, ROUND, 60"S/CD	200.00	LF	\$522.06	\$104,412.00

550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	1,335.00 LF	\$22.19	\$29,623.65
550-60-234	FENCE GATE, TYP B, SLIDE/CANT, 18.1-20' OPEN	1.00 EA	\$2,473.66	\$2,473.66
570-1-1	PERFORMANCE TURF	12,100.00 SY	\$2.02	\$24,442.00
<b>Drainage Component Total</b>				\$10,342,551.68

### SIGNING COMPONENT

#### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	17.00 AS	\$528.30	\$8,981.10
700-1-12	SINGLE POST SIGN, F&I GM, 12- 20 SF	203.00 AS	\$1,617.22	\$328,295.66
700-1-50	SINGLE POST SIGN, RELOCATE	17.00 AS	\$328.07	\$5,577.19
700-1-60	SINGLE POST SIGN, REMOVE	203.00 AS	\$118.97	\$24,150.91
700-2-14	MULTI- POST SIGN, F&I GM, 31- 50 SF	17.00 AS	\$6,597.30	\$112,154.10
700-2-60	MULTI- POST SIGN, REMOVE	17.00 AS	\$1,051.85	\$17,881.45

#### X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
700-3-205	SIGN PANEL, F&I OM, 51-100 SF	1.00 EA	\$3,596.55	\$3,596.55
700-3-206	SIGN PANEL, F&I OM, 101-200 SF	21.00 EA	\$6,415.00	\$134,715.00
700-3-207	SIGN PANEL, F&I OM, 201-300 SF	5.00 EA	\$8,100.77	\$40,503.85
700-3-605	SIGN PANEL, REMOVE, 51-100 SF	1.00 EA	\$527.12	\$527.12
700-3-606	SIGN PANEL, REMOVE, 101-200 SF	15.00 EA	\$533.67	\$8,005.05
700-3-607	SIGN PANEL, REMOVE, 201-300 SF	5.00 EA	\$820.83	\$4,104.15
700-4-113	OH STATIC SIGN STR, F&I, C 31- 40 FT	1.00 EA	\$93,048.37	\$93,048.37
700-4-114	OH STATIC SIGN STR, F&I, C 41- 50 FT	12.00 EA	\$103,304.66	\$1,239,655.92
700-4-126	OH STATIC SIGN STR, F&I, S 101- 150 FT	1.00 EA	\$205,085.23	\$205,085.23
700-4-610	OH STATIC SIGN STR, REMOVE, CANT	8.00 EA	\$4,237.55	\$33,900.40
700-4-620	OH STATIC SIGN STR, REMOVE, SPAN	5.00 EA	\$12,920.08	\$64,600.40
<b>Signing Component Total</b>				\$2,324,782.45

### INTELLIGENT TRAFFIC SYSTEM (ITS) COMPONENT

#### Description of Work

#### EX-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
000-000	GENERAL ITS	45,400.00 LF	\$66.00	\$2,996,400.00
<b>Comment:</b> General ITS per LF of roadway and Bridges in Sequence. Assume \$66/LF				

**Intelligent Traffic System (ITS) Component** \$2,996,400.00

**Total**

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**LIGHTING COMPONENT**

**Rural Lighting Subcomponent**

<b>Description</b>		<b>Value</b>			
Multiplier (Number of Poles)		774			
<b>Pay Items</b>					
<b>Pay item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
630-2-11	CONDUIT, F& I, OPEN TRENCH	154,800.00	LF	\$9.49	\$1,469,052.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	774.00	EA	\$765.10	\$592,187.40
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	464,400.00	LF	\$2.69	\$1,249,236.00
715-4-14	LIGHT POLE COMPLETE, F&I-STD, 45'	774.00	EA	\$6,352.63	\$4,916,935.62
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	774.00	EA	\$462.80	\$358,207.20
<b>Subcomponent Total</b>					<b>\$8,585,618.22</b>
<b>Lighting Component Total</b>					<b>\$8,585,618.22</b>

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**LANDSCAPING COMPONENT**

**User Input Data**

<b>Description</b>	<b>Value</b>
Cost %	2.00
Component Detail	N
<b>Landscaping Component Total</b>	<b>\$1,545,301.44</b>

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**BRIDGES COMPONENT**

**Bridge 920604**

<b>Description</b>	<b>Value</b>
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	70.70
Width (LF)	37.00
Type	Overpass Widening
Cost Factor	1.25
Structure No.	
Removal of Existing Structures area	524.00
Default Cost per SF	\$140.00
Factored Cost per SF	\$175.00
<b>Final Cost per SF</b>	<b>\$197.96</b>
<b>Basic Bridge Cost</b>	<b>\$457,782.50</b>
Description	NB SR 429 OVER SAND HILL RD.

**Bridge Pay Items**

<b>Pay item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
110-3	REMOVAL OF EXISTING STRUCTURES/BRIDGES	524.00	SF	\$96.67	\$50,655.08
400-2-10	CONC CLASS II, APPROACH SLABS	82.22	CY	\$539.79	\$44,381.53
415-1-9	REINF STEEL- APPROACH SLABS	14,388.50	LB	\$1.09	\$15,683.46

**Bridge 920604 Total**

\$568,502.58

**Bridge 920606**

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	142.60
Width (LF)	37.42
Type	Overpass Widening
Cost Factor	1.25
Structure No.	
Removal of Existing Structures area	855.00
Default Cost per SF	\$140.00
Factored Cost per SF	\$175.00
<b>Final Cost per SF</b>	<b>\$186.39</b>
<b>Basic Bridge Cost</b>	<b>\$933,816.10</b>

Description NB SR 429 OVER FUNIE STEED RD.

**Bridge Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-3	REMOVAL OF EXISTING STRUCTURES/BRIDGES	855.00 SF	\$96.67	\$82,652.85
400-2-10	CONC CLASS II, APPROACH SLABS	83.16 CY	\$539.79	\$44,888.94
415-1-9	REINF STEEL- APPROACH SLABS	14,553.00 LB	\$1.09	\$15,862.77

**Bridge 920606 Total**

\$1,077,220.66

**Bridge 920610**

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	174.43
Width (LF)	38.67
Type	Overpass Widening
Cost Factor	1.25
Structure No.	
Removal of Existing Structures area	1,236.00
Default Cost per SF	\$140.00
Factored Cost per SF	\$175.00
<b>Final Cost per SF</b>	<b>\$184.31</b>
<b>Basic Bridge Cost</b>	<b>\$1,180,411.42</b>

Description NB SR 429 OVER US 192

**Bridge Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-3	REMOVAL OF EXISTING STRUCTURES/BRIDGES	1,236.00 SF	\$96.67	\$119,484.12
400-2-10	CONC CLASS II, APPROACH SLABS	85.93 CY	\$539.79	\$46,384.15
415-1-9	REINF STEEL- APPROACH SLABS	15,037.75 LB	\$1.09	\$16,391.15

**Bridge 920610 Total**

\$1,362,670.84

**Bridge 750617**

Description	Value
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Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	134.50
Width (LF)	39.34
Type	Overpass Widening
Cost Factor	1.25
Structure No.	
Removal of Existing Structures area	1,042.00
Default Cost per SF	\$140.00
Factored Cost per SF	\$175.00
<b>Final Cost per SF</b>	<b>\$187.07</b>
<b>Basic Bridge Cost</b>	<b>\$925,965.25</b>
Description	NB SR 429 OVER W. ORANGE LAKE BLVD.

**Bridge Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-3	REMOVAL OF EXISTING STRUCTURES/BRIDGES	1,042.00 SF	\$96.67	\$100,730.14
400-2-10	CONC CLASS II, APPROACH SLABS	87.42 CY	\$539.79	\$47,188.44
415-1-9	REINF STEEL- APPROACH SLABS	15,298.50 LB	\$1.09	\$16,675.37
<b>Bridge 750617 Total</b>				<b>\$1,090,559.20</b>

**Bridge 750620**

<b>Description</b>	<b>Value</b>
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	172.00
Width (LF)	39.92
Type	Overpass Widening
Cost Factor	1.25
Structure No.	
Removal of Existing Structures area	1,433.00
Default Cost per SF	\$140.00
Factored Cost per SF	\$175.00
<b>Final Cost per SF</b>	<b>\$184.44</b>
<b>Basic Bridge Cost</b>	<b>\$1,201,592.00</b>
Description	NB SR 429 OVER WESTERN WAY

**Bridge Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-3	REMOVAL OF EXISTING STRUCTURES/BRIDGES	1,433.00 SF	\$96.67	\$138,528.11
400-2-10	CONC CLASS II, APPROACH SLABS	88.71 CY	\$539.79	\$47,884.77
415-1-9	REINF STEEL- APPROACH SLABS	15,524.25 LB	\$1.09	\$16,921.43
<b>Bridge 750620 Total</b>				<b>\$1,404,926.31</b>

**Bridge 750622**

<b>Description</b>	<b>Value</b>
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	143.50
Width (LF)	38.45

Type	Overpass Widening
Cost Factor	1.25
Structure No.	
Removal of Existing Structures area	1,040.00
Default Cost per SF	\$140.00
Factored Cost per SF	\$175.00
<b>Final Cost per SF</b>	<b>\$186.31</b>
<b>Basic Bridge Cost</b>	<b>\$965,575.63</b>

Description NB SR 429 OVER SEIDEL RD.

**Bridge Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-3	REMOVAL OF EXISTING STRUCTURES/BRIDGES	1,040.00 SF	\$96.67	\$100,536.80
400-2-10	CONC CLASS II, APPROACH SLABS	85.44 CY	\$539.79	\$46,119.66
415-1-9	REINF STEEL- APPROACH SLABS	14,952.00 LB	\$1.09	\$16,297.68
<b>Bridge 750622 Total</b>				<b>\$1,128,529.77</b>

**Bridge 920603**

<b>Description</b>	<b>Value</b>
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	70.69
Width (LF)	33.01
Type	Overpass Widening
Cost Factor	1.25
Structure No.	
Removal of Existing Structures area	524.00
Default Cost per SF	\$140.00
Factored Cost per SF	\$175.00
<b>Final Cost per SF</b>	<b>\$197.97</b>
<b>Basic Bridge Cost</b>	<b>\$408,358.46</b>

Description SB SR 429 OVER SAND HILL RD.

**Bridge Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-3	REMOVAL OF EXISTING STRUCTURES/BRIDGES	524.00 SF	\$96.67	\$50,655.08
400-2-10	CONC CLASS II, APPROACH SLABS	73.36 CY	\$539.79	\$39,598.99
415-1-9	REINF STEEL- APPROACH SLABS	12,838.00 LB	\$1.09	\$13,993.42
<b>Bridge 920603 Total</b>				<b>\$512,605.95</b>

**Bridge 920605**

<b>Description</b>	<b>Value</b>
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	142.52
Width (LF)	37.42
Type	Overpass Widening
Cost Factor	1.25
Structure No.	
Removal of Existing Structures area	855.00

Default Cost per SF	\$140.00
Factored Cost per SF	\$175.00
<b>Final Cost per SF</b>	<b>\$186.39</b>
<b>Basic Bridge Cost</b>	<b>\$933,292.22</b>

Description SB SR 429 OVER FUNIE STEED RD.

**Bridge Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-3	REMOVAL OF EXISTING STRUCTURES/BRIDGES	855.00 SF	\$96.67	\$82,652.85
400-2-10	CONC CLASS II, APPROACH SLABS	83.16 CY	\$539.79	\$44,888.94
415-1-9	REINF STEEL- APPROACH SLABS	14,553.00 LB	\$1.09	\$15,862.77
<b>Bridge 920605 Total</b>				<b>\$1,076,696.78</b>

**Bridge 920609**

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	174.43
Width (LF)	23.38
Type	Overpass Widening
Cost Factor	1.25
Structure No.	
Removal of Existing Structures area	618.00
Default Cost per SF	\$140.00
Factored Cost per SF	\$175.00
<b>Final Cost per SF</b>	<b>\$184.31</b>
<b>Basic Bridge Cost</b>	<b>\$713,680.35</b>

Description SB SR 429 OVER US 192

**Bridge Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-3	REMOVAL OF EXISTING STRUCTURES/BRIDGES	618.00 SF	\$96.67	\$59,742.06
400-2-10	CONC CLASS II, APPROACH SLABS	51.96 CY	\$539.79	\$28,047.49
415-1-9	REINF STEEL- APPROACH SLABS	9,093.00 LB	\$1.09	\$9,911.37
<b>Bridge 920609 Total</b>				<b>\$811,381.27</b>

**Bridge 750616**

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	134.50
Width (LF)	23.92
Type	Overpass Widening
Cost Factor	1.25
Structure No.	
Removal of Existing Structures area	510.00
Default Cost per SF	\$140.00
Factored Cost per SF	\$175.00
<b>Final Cost per SF</b>	<b>\$187.07</b>
<b>Basic Bridge Cost</b>	<b>\$563,017.00</b>

Description

SB SR 429 OVER W. ORANGE LAKE BLVD.

**Bridge Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-3	REMOVAL OF EXISTING STRUCTURES/BRIDGES	510.00 SF	\$96.67	\$49,301.70
400-2-10	CONC CLASS II, APPROACH SLABS	53.16 CY	\$539.79	\$28,695.24
415-1-9	REINF STEEL- APPROACH SLABS	9,303.00 LB	\$1.09	\$10,140.27
<b>Bridge 750616 Total</b>				<b>\$651,154.21</b>

**Bridge 750619**

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	172.00
Width (LF)	38.92
Type	Overpass Widening
Cost Factor	1.25
Structure No.	
Removal of Existing Structures area	1,433.00
Default Cost per SF	\$140.00
Factored Cost per SF	\$175.00
<b>Final Cost per SF</b>	<b>\$184.44</b>
<b>Basic Bridge Cost</b>	<b>\$1,171,492.00</b>

Description

SB SR 429 OVER WESTERN WAY

**Bridge Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-3	REMOVAL OF EXISTING STRUCTURES/BRIDGES	1,433.00 SF	\$96.67	\$138,528.11
400-2-10	CONC CLASS II, APPROACH SLABS	86.49 CY	\$539.79	\$46,686.44
415-1-9	REINF STEEL- APPROACH SLABS	15,135.75 LB	\$1.09	\$16,497.97
<b>Bridge 750619 Total</b>				<b>\$1,373,204.52</b>

**Bridge 750621**

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	143.50
Width (LF)	38.50
Type	Overpass Widening
Cost Factor	1.25
Structure No.	
Removal of Existing Structures area	1,040.00
Default Cost per SF	\$140.00
Factored Cost per SF	\$175.00
<b>Final Cost per SF</b>	<b>\$186.31</b>
<b>Basic Bridge Cost</b>	<b>\$966,831.25</b>

Description

SB SR 429 OVER SEIDEL RD.

**Bridge Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
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110-3	REMOVAL OF EXISTING STRUCTURES/BRIDGES	1,040.00 SF	\$96.67	\$100,536.80
400-2-10	CONC CLASS II, APPROACH SLABS	85.56 CY	\$539.79	\$46,184.43
415-1-9	REINF STEEL- APPROACH SLABS	14,973.00 LB	\$1.09	\$16,320.57
<b>Bridge 750621 Total</b>				\$1,129,873.05
<b>Bridges Component Total</b>				\$12,187,325.14

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### RETAINING WALLS COMPONENT

#### Retaining Wall 1

Description	Value
Length	460.00
Begin height	25.00
End Height	25.00
Multiplier	1

#### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	11,500.00 SF	\$36.27	\$417,105.00

#### Retaining Wall 2

Description	Value
Length	266.70
Begin height	21.00
End Height	21.00
Multiplier	1

#### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	5,600.70 SF	\$36.27	\$203,137.39

#### Retaining Wall 3

Description	Value
Length	140.00
Begin height	15.00
End Height	15.00
Multiplier	1

#### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	2,100.00 SF	\$36.27	\$76,167.00

#### Retaining Wall 4

Description	Value
Length	148.00
Begin height	15.00
End Height	15.00
Multiplier	1

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	2,220.00 SF	\$36.27	\$80,519.40

**Retaining Wall 5**

Description	Value
Length	73.30
Begin height	15.00
End Height	15.00
Multiplier	1

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	1,099.50 SF	\$36.27	\$39,878.86

**Retaining Wall 6**

Description	Value
Length	86.70
Begin height	15.00
End Height	15.00
Multiplier	1

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	1,300.50 SF	\$36.27	\$47,169.14

**Retaining Wall 7**

Description	Value
Length	90.00
Begin height	20.00
End Height	20.00
Multiplier	1

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	1,800.00 SF	\$36.27	\$65,286.00

**Retaining Wall 8**

Description	Value
Length	150.00
Begin height	20.00
End Height	20.00
Multiplier	1

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	3,000.00 SF	\$36.27	\$108,810.00

**Retaining Wall 10**

Description	Value
Length	100.00
Begin height	30.00

End Height 30.00  
Multiplier 1

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	3,000.00 SF	\$36.27	\$108,810.00

**Retaining Wall 11**

Description	Value
Length	146.70
Begin height	15.00
End Height	15.00
Multiplier	1

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	2,200.50 SF	\$36.27	\$79,812.13

**Retaining Wall 12**

Description	Value
Length	173.30
Begin height	15.00
End Height	15.00
Multiplier	1

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	2,599.50 SF	\$36.27	\$94,283.86

**Retaining Walls Component Total** \$1,320,978.81

**ARCHITECTURAL COMPONENT**

**EX-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
735-2	4-LANE ORT [4 X 2 LANES] <b>Comment:</b> Replaces existing Western Beltway Plaza NORTHBOUND and SOUTHBOUND	2.00 EA	\$1,425,000.00	\$2,850,000.00
735-3	EQUIPMENT REMOVAL FOR EXISTING PLAZA/SITE <b>Comment:</b> Replaces existing Western Beltway Plaza NORTHBOUND and SOUTHBOUND	2.00 EA	\$1,500.00	\$3,000.00

**Architectural Component Total** \$2,853,000.00

**Sequence 109 Total** \$123,079,613.14

**Sequence:** 110 WDR - Widen/Resurface, Divided, Rural **Net Length:** 0.663 MI  
3,500 LF  
**Description:** (4 of 4)SR 429 NB and SB. Mill/Resurface, Widen. Transition from 8 Lanes, to 4 Lane Divided.

**EARTHWORK COMPONENT**

**User Input Data**

<b>Description</b>	<b>Value</b>
Standard Clearing and Grubbing Limits L/R	40.00 / 40.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.358
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
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Median Slope L/R	6 to 1 / 6 to 1
Existing Median Shoulder Cross Slope L/R	5.00 % / 5.00 %
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Median Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	5.00 % / 5.00 %
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

**Pay Items**

<b>Pay item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
110-1-1	CLEARING & GRUBBING	6.43	AC	\$20,000.00	\$128,600.00
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	1,187.35	CY	\$26.31	\$31,239.18
<b>Earthwork Component Total</b>					<b>\$159,839.18</b>

**ROADWAY COMPONENT****User Input Data**

<b>Description</b>	<b>Value</b>
Number of Lanes	5
Existing Roadway Pavement Width L/R	24.00 / 24.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 0.00
Widened Inside Pavement Width L/R	6.00 / 6.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

**Pay Items**

<b>Pay item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
160-4	TYPE B STABILIZATION	9,333.63	SY	\$2.59	\$24,174.10
285-709	OPTIONAL BASE,BASE GROUP 09	4,923.49	SY	\$26.06	\$128,306.15
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	18,667.26	SY	\$5.17	\$96,509.73
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,540.05	TN	\$141.47	\$217,870.87
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	641.69	TN	\$141.47	\$90,779.88
337-7-88	ASPH CONC FC,TRAFFIC E,FC-12.5,PG 76-22	746.69	TN	\$601.26	\$448,954.83
337-7-88	ASPH CONC FC,TRAFFIC E,FC-12.5,PG 76-22	385.01	TN	\$601.26	\$231,491.11

**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	3

#### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	358.00	EA	\$6.19	\$2,216.02
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	2.65	GM	\$1,303.59	\$3,454.51
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	1.99	GM	\$438.24	\$872.10
711-15-101	THERMOPLASTIC, STD-OP, WHITE, SOLID, 6"	2.65	GM	\$5,266.55	\$13,956.36
711-15-131	THERMOPLASTIC, STD-OP, WHITE, SKIP, 6"	1.99	GM	\$1,694.38	\$3,371.82
711-15-201	THERMOPLASTIC, STD- OP,YELLOW, SOLID, 6"	2.65	GM	\$5,718.11	\$15,152.99
<b>Roadway Component Total</b>					<b>\$1,277,110.48</b>

### SHOULDER COMPONENT

#### User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	8.00 / 8.00
New Total Outside Shoulder Width L/R	2.00 / 2.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Existing Paved Outside Shoulder Width L/R	8.00 / 8.00
New Paved Outside Shoulder Width L/R	2.00 / 2.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	O
Rumble Strips $\bar{i}$ $\frac{1}{2}$ No. of Sides	2

#### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	1,812.28	SY	\$21.79	\$39,489.58
327-70-1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	6,222.42	SY	\$7.71	\$47,974.86
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	85.56	TN	\$141.47	\$12,104.17
337-7-25	ASPH CONC FC,INC BIT,FC- 5,PG76-22	20.53	TN	\$198.46	\$4,074.38
546-72-1	GROUND-IN RUMBLE STRIPS, 16"	1.33	GM	\$1,446.19	\$1,923.43

#### Erosion Control

##### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	8,050.26	LF	\$2.70	\$21,735.70
104-11	FLOATING TURBIDITY BARRIER	66.29	LF	\$12.73	\$843.87
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	66.29	LF	\$4.01	\$265.82
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,921.89	\$2,921.89

107-1	LITTER REMOVAL	4.82 AC	\$45.28	\$218.25
107-2	MOWING	4.82 AC	\$72.25	\$348.24
<b>Shoulder Component Total</b>				<b>\$131,900.20</b>

### MEDIAN COMPONENT

#### User Input Data

Description	Value
Total Median Width	26.00
Performance Turf Width	4.00
New Total Median Shoulder Width L/R	4.00 / 4.00
New Paved Median Shoulder Width L/R	4.00 / 4.00
Existing Total Median Shoulder Width L/R	4.00 / 4.00
Existing Paved Median Shoulder Width L/R	4.00 / 4.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	O
Rumble Strips 1/2 No. of Sides	2

#### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	3,367.89	SY	\$21.79	\$73,386.32
327-70-1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	3,111.21	SY	\$7.71	\$23,987.43
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	171.12	TN	\$141.47	\$24,208.35
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	20.53	TN	\$198.46	\$4,074.38
521-1-11	MEDIAN CONC BARRIER, 38" HEIGHT	3,500.00	LF	\$105.00	\$367,500.00
546-72-1	GROUND-IN RUMBLE STRIPS, 16"	1.00	GM	\$1,446.19	\$1,446.19
570-1-1	PERFORMANCE TURF	1,555.61	SY	\$2.02	\$3,142.33
<b>Median Component Total</b>					<b>\$497,745.00</b>

### DRAINAGE COMPONENT

#### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	536.00	LF	\$116.05	\$62,202.80
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	56.00	LF	\$171.65	\$9,612.40
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	27.00	EA	\$2,241.18	\$60,511.86
570-1-1	PERFORMANCE TURF	466.68	SY	\$2.02	\$942.69

#### X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
425-1-541	INLETS, DT BOT, TYPE D, <10'	4.00	EA	\$5,744.39	\$22,977.56
<b>Drainage Component Total</b>					<b>\$156,247.31</b>

### 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	\$528.30	\$1,056.60
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	16.00	AS	\$1,617.22	\$25,875.52
700-1-50	SINGLE POST SIGN, RELOCATE	2.00	AS	\$328.07	\$656.14
700-1-60	SINGLE POST SIGN, REMOVE	16.00	AS	\$118.97	\$1,903.52
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	2.00	AS	\$6,597.30	\$13,194.60
700-2-60	MULTI- POST SIGN, REMOVE	2.00	AS	\$1,051.85	\$2,103.70
<b>Signing Component Total</b>					<b>\$44,790.08</b>

### INTELLIGENT TRAFFIC SYSTEM (ITS) COMPONENT

#### Description of Work

#### EX-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
000-000	GENERAL ITS	3,000.00	LF	\$66.00	\$198,000.00
<b>Comment:</b> General ITS per LF of roadway in Sequence. Assume \$66/LF					
<b>Intelligent Traffic System (ITS) Component Total</b>					<b>\$198,000.00</b>

### LIGHTING COMPONENT

#### Rural Lighting Subcomponent

Description	Value				
Multiplier (Number of Poles)	28				
<b>Pay Items</b>					
Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	5,600.00	LF	\$9.49	\$53,144.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	28.00	EA	\$765.10	\$21,422.80
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	16,800.00	LF	\$2.69	\$45,192.00
715-4-14	LIGHT POLE COMPLETE, F&I-STD, 45'	28.00	EA	\$6,352.63	\$177,873.64
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	28.00	EA	\$462.80	\$12,958.40
<b>Subcomponent Total</b>					<b>\$310,590.84</b>
<b>Lighting Component Total</b>					<b>\$310,590.84</b>

**Sequence 110 Total** **\$2,776,223.09**

**Sequence:** 111 NUR - New Construction, Undivided, Rural **Net Length:** 0.099 MI  
523 LF

**Description:** (1 of 2) US 429 NB Ramp to Sinclair Rd. Includes Toll Gantry

### EARTHWORK COMPONENT

#### User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	50.00 / 50.00
Incidental Clearing and Grubbing Area	0.00

Alignment Number	1
Distance	0.099
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	1.20 AC	\$20,000.00	\$24,000.00
120-6	EMBANKMENT	3,433.11 CY	\$21.01	\$72,129.64
<b>Earthwork Component Total</b>				<b>\$96,129.64</b>

### ROADWAY COMPONENT

#### User Input Data

Description	Value
Number of Lanes	2
Roadway Pavement Width L/R	0.00 / 24.00
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	2,558.10 SY	\$2.59	\$6,625.48
285-709	OPTIONAL BASE,BASE GROUP 09	1,414.51 SY	\$26.06	\$36,862.13
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	191.86 TN	\$141.47	\$27,142.43
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	115.11 TN	\$240.52	\$27,686.26

#### 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
706-1-3	RAISED PAVMT MARK, TYPE B	13.00 EA	\$6.19	\$80.47
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.20 GM	\$1,303.59	\$260.72
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.10 GM	\$933.65	\$93.36
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.20 GM	\$4,552.88	\$910.58
711-16-201	THERMOPLASTIC, STD-OTH,YELLOW, SOLID, 6"	0.20 GM	\$4,552.50	\$910.50
711-16-231	THERMOPLASTIC, STD-OTH,	0.10 GM	\$2,270.75	\$227.08

YELLOW, SKIP, 6"

**Roadway Component Total**

\$100,799.02

**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	0.00 / 0.00
Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	165
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2No. of Sides	2

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	852.31	SY	\$21.79	\$18,571.83
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	44.77	TN	\$141.47	\$6,333.61
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	67.15	TN	\$240.52	\$16,150.92
546-72-1	GROUND-IN RUMBLE STRIPS, 16"	0.20	GM	\$1,446.19	\$289.24

**X-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-6	SHOULDER GUTTER- CONCRETE	200.00	LF	\$29.95	\$5,990.00
534-72-101	SOUND/NOISE BARRIER-INC FOUNDATION, PERM	11,506.00	SF	\$31.00	\$356,686.00

**Comment:** Noise Barrier Wall A: Reunion East Side

**Erosion Control**

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	1,360.44	LF	\$2.70	\$3,673.19
104-11	FLOATING TURBIDITY BARRIER	24.78	LF	\$12.73	\$315.45
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	24.78	LF	\$4.01	\$99.37
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,921.89	\$2,921.89
107-1	LITTER REMOVAL	1.20	AC	\$45.28	\$54.34
107-2	MOWING	1.20	AC	\$72.25	\$86.70

**Shoulder Component Total**

\$411,172.54

**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	\$116.05	\$9,284.00
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	16.00	LF	\$171.65	\$2,746.40
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	4.00	EA	\$2,241.18	\$8,964.72

570-1-1	PERFORMANCE TURF	69.77 SY	\$2.02	\$140.94
<b>Drainage Component Total</b>				<b>\$21,136.06</b>

**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	\$528.30	\$528.30
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	2.00	AS	\$1,617.22	\$3,234.44
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	1.00	AS	\$6,597.30	\$6,597.30
<b>Signing Component Total</b>					<b>\$10,360.04</b>

**LIGHTING COMPONENT**

**Rural Lighting Subcomponent**

Description	Value				
Multiplier (Number of Poles)	2				
<b>Pay Items</b>					
Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	400.00	LF	\$9.49	\$3,796.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	2.00	EA	\$765.10	\$1,530.20
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	1,200.00	LF	\$2.69	\$3,228.00
715-4-14	LIGHT POLE COMPLETE, F&I-STD, 45'	2.00	EA	\$6,352.63	\$12,705.26
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	2.00	EA	\$462.80	\$925.60
<b>Subcomponent Total</b>					<b>\$22,185.06</b>
<b>Lighting Component Total</b>					<b>\$22,185.06</b>

**ARCHITECTURAL COMPONENT**

**EX-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
735-3	EQUIPMENT REMOVAL FOR EXISTING PLAZA/SITE <b>Comment:</b> Replaces existing Sinclair Road Plaza NB OFF-RAMP	1.00	EA	\$1,500.00	\$1,500.00
735-4	2-LANE ORT [2 X 2 LANES] <b>Comment:</b> Replaces existing Sinclair Road Plaza NB OFF-RAMP	1.00	EA	\$1,105,000.00	\$1,105,000.00
<b>Architectural Component Total</b>					<b>\$1,106,500.00</b>

**Sequence 111 Total** **\$1,768,282.36**

**Sequence:** 112 NUR - New Construction, Undivided, Rural **Net Length:** 0.083 MI  
438 LF  
**Description:** (2 of 2) US 429 NB Ramp to Sinclair Rd.

**EARTHWORK COMPONENT**

**User Input Data**

<b>Description</b>	<b>Value</b>
Standard Clearing and Grubbing Limits L/R	50.00 / 50.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.083
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**

<b>Pay item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
110-1-1	CLEARING & GRUBBING	1.01	AC	\$20,000.00	\$20,200.00
120-6	EMBANKMENT	3,870.15	CY	\$21.01	\$81,311.85
<b>Earthwork Component Total</b>					<b>\$101,511.85</b>

**ROADWAY COMPONENT**

**User Input Data**

<b>Description</b>	<b>Value</b>
Number of Lanes	4
Roadway Pavement Width L/R	0.00 / 48.00
Structural Spread Rate	275
Friction Course Spread Rate	165

**Pay Items**

<b>Pay item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
160-4	TYPE B STABILIZATION	3,311.15	SY	\$2.59	\$8,575.88
285-709	OPTIONAL BASE,BASE GROUP 09	2,353.35	SY	\$26.06	\$61,328.30
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	321.38	TN	\$141.47	\$45,465.63
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	192.83	TN	\$240.52	\$46,379.47

**X-Items**

<b>Pay item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
520-1-10	CONCRETE CURB & GUTTER, TYPE F	146.00	LF	\$30.43	\$4,442.78

**Pavement Marking Subcomponent**

<b>Description</b>	<b>Value</b>
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	3

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	56.00	EA	\$6.19	\$346.64
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.17	GM	\$1,303.59	\$221.61
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.25	GM	\$933.65	\$233.41
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.17	GM	\$4,552.88	\$773.99
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.17	GM	\$4,552.88	\$773.99
711-16-231	THERMOPLASTIC, STD-OTH, YELLOW, SKIP, 6"	0.25	GM	\$2,270.75	\$567.69
<b>Roadway Component Total</b>					<b>\$169,109.39</b>

### 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	0.00 / 0.00
Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	165
Total Width (T) / 8" Overlap (O)	T
Rumble Strips $\bar{i}$ $\frac{1}{2}$ No. of Sides	2

#### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	713.84	SY	\$21.79	\$15,554.57
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	37.49	TN	\$141.47	\$5,303.71
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	56.24	TN	\$240.52	\$13,526.84
546-72-1	GROUND-IN RUMBLE STRIPS, 16"	0.17	GM	\$1,446.19	\$245.85

#### X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
534-72-101	SOUND/NOISE BARRIER-INC FOUNDATION, PERM	5,723.00	SF	\$31.00	\$177,413.00
<b>Comment:</b> Noise Barrier Wall A: Reunion East Side					

#### Erosion Control

##### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	1,139.42	LF	\$2.70	\$3,076.43
104-11	FLOATING TURBIDITY BARRIER	20.75	LF	\$12.73	\$264.15
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	20.75	LF	\$4.01	\$83.21
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,921.89	\$2,921.89
107-1	LITTER REMOVAL	1.01	AC	\$45.28	\$45.73
107-2	MOWING	1.01	AC	\$72.25	\$72.97
<b>Shoulder Component Total</b>					<b>\$218,508.35</b>



**DRAINAGE COMPONENT**

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	72.00	LF	\$116.05	\$8,355.60
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	16.00	LF	\$171.65	\$2,746.40
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	4.00	EA	\$2,241.18	\$8,964.72
570-1-1	PERFORMANCE TURF	58.43	SY	\$2.02	\$118.03
<b>Drainage Component Total</b>					<b>\$20,184.75</b>

**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	\$528.30	\$528.30
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	2.00	AS	\$1,617.22	\$3,234.44
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	1.00	AS	\$6,597.30	\$6,597.30
<b>Signing Component Total</b>					<b>\$10,360.04</b>

**LIGHTING COMPONENT**

**Rural Lighting Subcomponent**

Description	Value				
Multiplier (Number of Poles)	2				
<b>Pay Items</b>					
Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	400.00	LF	\$9.49	\$3,796.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	2.00	EA	\$765.10	\$1,530.20
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	1,200.00	LF	\$2.69	\$3,228.00
715-4-14	LIGHT POLE COMPLETE, F&I-STD, 45'	2.00	EA	\$6,352.63	\$12,705.26
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	2.00	EA	\$462.80	\$925.60
<b>Subcomponent Total</b>					<b>\$22,185.06</b>
<b>Lighting Component Total</b>					<b>\$22,185.06</b>

**Sequence 112 Total** **\$541,859.44**

**Sequence:** 120 NUR - New Construction, Undivided, Rural **Net Length:** 0.224 MI  
1,180 LF  
**Description:** On Ramp from Sinclair Rd to SR 429 SB. Includes new toll gantry

**EARTHWORK COMPONENT**

**User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	50.00 / 50.00

Incidental Clearing and Grubbing Area 0.00

Alignment Number 1  
Distance 0.224  
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	2.72 AC	\$20,000.00	\$54,400.00
120-6	EMBANKMENT	7,438.87 CY	\$21.01	\$156,290.66
<b>Earthwork Component Total</b>				<b>\$210,690.66</b>

**ROADWAY COMPONENT**

**User Input Data**

Description	Value
Number of Lanes	2
Roadway Pavement Width L/R	24.00 / 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	5,769.28 SY	\$2.59	\$14,942.44
285-709	OPTIONAL BASE,BASE GROUP 09	3,190.15 SY	\$26.06	\$83,135.31
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	432.70 TN	\$141.47	\$61,214.07
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	259.62 TN	\$240.52	\$62,443.80

**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	262.00 LF	\$30.43	\$7,972.66
520-70	CONCRETE TRAFFIC SEPARATOR, SP- VAR WIDT	100.00 SY	\$73.25	\$7,325.00

**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
706-1-3	RAISED PAVMT MARK, TYPE B	30.00 EA	\$6.19	\$185.70
710-11-101	PAINTED PAVT	0.45 GM	\$1,303.59	\$586.62

	MARK,STD,WHITE,SOLID,6"			
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.22 GM	\$933.65	\$205.40
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.45 GM	\$4,552.88	\$2,048.80
711-16-231	THERMOPLASTIC, STD-OTH, YELLOW, SKIP, 6"	0.22 GM	\$2,270.75	\$499.56
<b>Roadway Component Total</b>				<b>\$240,559.37</b>

### 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	0.00 / 0.00
Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	165
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2 No. of Sides	2

#### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	1,922.22 SY	\$21.79	\$41,885.17
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	100.96 TN	\$141.47	\$14,282.81
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	151.44 TN	\$240.52	\$36,424.35
546-72-1	GROUND-IN RUMBLE STRIPS, 16"	0.45 GM	\$1,446.19	\$650.79

#### X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
520-6	SHOULDER GUTTER- CONCRETE	300.00 LF	\$29.95	\$8,985.00

#### Erosion Control

##### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	3,068.21 LF	\$2.70	\$8,284.17
104-11	FLOATING TURBIDITY BARRIER	55.88 LF	\$12.73	\$711.35
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	55.88 LF	\$4.01	\$224.08
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$2,921.89	\$2,921.89
107-1	LITTER REMOVAL	2.71 AC	\$45.28	\$122.71
107-2	MOWING	2.71 AC	\$72.25	\$195.80

**Shoulder Component Total**

**\$114,688.12**

### DRAINAGE COMPONENT

#### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	184.00 LF	\$116.05	\$21,353.20
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	40.00 LF	\$171.65	\$6,866.00

430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	9.00 EA	\$2,241.18	\$20,170.62
570-1-1	PERFORMANCE TURF	157.34 SY	\$2.02	\$317.83
<b>Drainage Component Total</b>				<b>\$48,707.65</b>

**SIGNING COMPONENT**

<b>Pay Items</b>				
<b>Pay item</b>	<b>Description</b>	<b>Quantity Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	1.00 AS	\$528.30	\$528.30
700-1-12	SINGLE POST SIGN, F&I GM, 12- 20 SF	5.00 AS	\$1,617.22	\$8,086.10
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	1.00 AS	\$6,597.30	\$6,597.30
<b>Signing Component Total</b>				<b>\$15,211.70</b>

**LIGHTING COMPONENT**

**Rural Lighting Subcomponent**

<b>Description</b>	<b>Value</b>			
Multiplier (Number of Poles)	5			
<b>Pay Items</b>				
<b>Pay item</b>	<b>Description</b>	<b>Quantity Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,000.00 LF	\$9.49	\$9,490.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	5.00 EA	\$765.10	\$3,825.50
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	3,000.00 LF	\$2.69	\$8,070.00
715-4-14	LIGHT POLE COMPLETE, F&I- STD, 45'	5.00 EA	\$6,352.63	\$31,763.15
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	5.00 EA	\$462.80	\$2,314.00
<b>Subcomponent Total</b>				<b>\$55,462.65</b>
<b>Lighting Component Total</b>				<b>\$55,462.65</b>

**ARCHITECTURAL COMPONENT**

<b>EX-Items</b>				
<b>Pay item</b>	<b>Description</b>	<b>Quantity Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
735-3	EQUIPMENT REMOVAL FOR EXISTING PLAZA/SITE <b>Comment:</b> Replaces existing Sinclair Road Plaza SB ON RAMP	1.00 EA	\$1,500.00	\$1,500.00
735-3-5	1-LANE ORT [1 X 2 LANES] <b>Comment:</b> Replaces existing Sinclair Road Plaza SB ON RAMP	1.00 EA	\$875,000.00	\$875,000.00
<b>Architectural Component Total</b>				<b>\$876,500.00</b>

**Sequence 120 Total** **\$1,561,820.15**

**Sequence:** 130 WDU - Widen/Resurface, Divided, Urban

**Net Length:** 0.275 MI  
1,450 LF

**Description:** Sinclair Rd Milling/Resurface and Widen. Includes 2 Signalized Intersections

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### EARTHWORK COMPONENT

#### User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	25.00 / 25.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.275
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Median Shoulder Cross Slope L/R	4.00 % / 4.00 %
Existing Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
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	1.67	AC	\$20,000.00	\$33,400.00
120-1	REGULAR EXCAVATION	10,865.26	CY	\$14.07	\$152,874.21
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	380.75	CY	\$26.31	\$10,017.53
<b>Earthwork Component Total</b>					<b>\$196,291.74</b>

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### ROADWAY COMPONENT

#### User Input Data

Description	Value
Number of Lanes	5
Existing Roadway Pavement Width L/R	25.00 / 28.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	3.15 / 3.15
Widened Inside Pavement Width L/R	26.85 / 26.85
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

#### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	11,328.46	SY	\$2.59	\$29,340.71
285-709	OPTIONAL BASE,BASE GROUP 09	9,878.57	SY	\$26.06	\$257,435.53
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	8,538.23	SY	\$5.17	\$44,142.65
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	704.40	TN	\$141.47	\$99,651.47
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,329.06	TN	\$141.47	\$188,022.12
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	341.53	TN	\$240.52	\$82,144.80
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	797.44	TN	\$240.52	\$191,800.27

**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	610.00 LF	\$30.43	\$18,562.30

**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	3

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	148.00 EA	\$6.19	\$916.12
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	1.10 GM	\$1,303.59	\$1,433.95
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	0.82 GM	\$438.24	\$359.36
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	1.10 GM	\$4,552.88	\$5,008.17
711-16-131	THERMOPLASTIC, STD-OTH, WHITE, SKIP, 6"	0.82 GM	\$2,860.82	\$2,345.87
711-16-201	THERMOPLASTIC, STD-OTH,YELLOW, SOLID, 6"	1.10 GM	\$4,552.50	\$5,007.75

**Roadway Component Total**

\$926,171.07

**SHOULDER COMPONENT****User Input Data**

Description	Value
Existing Total Outside Shoulder Width L/R	0.00 / 0.00
New Total Outside Shoulder Width L/R	0.00 / 0.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Sidewalk Width L/R	0.00 / 0.00

**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	581.00 SY	\$82.65	\$48,019.65

**Erosion Control****Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	2,899.78 LF	\$2.70	\$7,829.41
104-11	FLOATING TURBIDITY BARRIER	27.46 LF	\$12.73	\$349.57
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	27.46 LF	\$4.01	\$110.11
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$2,921.89	\$2,921.89
104-18	INLET PROTECTION SYSTEM	13.00 EA	\$169.34	\$2,201.42
107-1	LITTER REMOVAL	2.39 AC	\$45.28	\$108.22
107-2	MOWING	2.39 AC	\$72.25	\$172.68

Shoulder Component Total

\$61,712.95

**DRAINAGE COMPONENT**

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
425-1-351	INLETS, CURB, TYPE P-5, <10'	10.00	EA	\$5,264.85	\$52,648.50
425-1-451	INLETS, CURB, TYPE J-5, <10'	3.00	EA	\$9,698.46	\$29,095.38
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	152.00	LF	\$120.00	\$18,240.00
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	48.00	LF	\$171.65	\$8,239.20
570-1-1	PERFORMANCE TURF	83.48	SY	\$2.02	\$168.63
<b>Drainage Component Total</b>					<b>\$108,391.71</b>

**SIGNING COMPONENT**

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	7.00	AS	\$528.30	\$3,698.10
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	1.00	AS	\$1,617.22	\$1,617.22
700-1-50	SINGLE POST SIGN, RELOCATE	1.00	AS	\$328.07	\$328.07
700-1-60	SINGLE POST SIGN, REMOVE	7.00	AS	\$118.97	\$832.79
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	1.00	AS	\$6,597.30	\$6,597.30
700-2-60	MULTI- POST SIGN, REMOVE	1.00	AS	\$1,051.85	\$1,051.85
<b>Signing Component Total</b>					<b>\$14,125.33</b>

**SIGNALIZATIONS COMPONENT**

**Signalization 1**

Description	Value
Type	4 Lane Mast Arm
Multiplier	1
Description	Signalized Intersection on Sinclair Rd and SR 429 NB Off Ramp

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	750.00	LF	\$9.49	\$7,117.50
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	250.00	LF	\$22.53	\$5,632.50
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$8,368.88	\$8,368.88
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	16.00	EA	\$765.10	\$12,241.60
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	\$4,122.68	\$4,122.68
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00	LF	\$7.57	\$454.20
649-21-10	STEEL MAST ARM ASSEMBLY, F&I, 60'	3.00	EA	\$68,710.55	\$206,131.65
650-1-14	VEH TRAF SIGNAL,F&I	12.00	AS	\$1,469.23	\$17,630.76

653-1-11	ALUMINUM, 3 S 1 W PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00 AS	\$856.59	\$6,852.72
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	12.00 EA	\$330.47	\$3,965.64
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	12.00 AS	\$1,408.24	\$16,898.88
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00 EA	\$326.91	\$2,615.28
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00 AS	\$34,261.40	\$34,261.40
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00 EA	\$433.11	\$1,732.44

**Signalization 2**

<b>Description</b>	<b>Value</b>
Type	4 Lane Mast Arm
Multiplier	1
Description	Signalized Intersection on Sinclair Rd and the SR 429 SB Ramp

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	750.00	LF	\$9.49	\$7,117.50
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	250.00	LF	\$22.53	\$5,632.50
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$8,368.88	\$8,368.88
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	16.00	EA	\$765.10	\$12,241.60
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	\$4,122.68	\$4,122.68
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00	LF	\$7.57	\$454.20
649-21-10	STEEL MAST ARM ASSEMBLY, F&I, 60'	3.00	EA	\$68,710.55	\$206,131.65
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	12.00	AS	\$1,469.23	\$17,630.76
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00	AS	\$856.59	\$6,852.72
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	12.00	EA	\$330.47	\$3,965.64
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	12.00	AS	\$1,408.24	\$16,898.88
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00	EA	\$326.91	\$2,615.28
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00	AS	\$34,261.40	\$34,261.40
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00	EA	\$433.11	\$1,732.44
<b>Signalizations Component Total</b>					<b>\$656,052.26</b>

**LIGHTING COMPONENT**

**Conventional Lighting Subcomponent**

<b>Description</b>	<b>Value</b>				
Spacing	MAX				
<b>Pay Items</b>					
Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,449.89	LF	\$9.49	\$13,759.46
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	189.20	LF	\$22.53	\$4,262.68
635-2-11	PULL & SPLICE BOX, F&I, 13" x	6.00	EA	\$765.10	\$4,590.60



	24"			
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	4,917.26 LF	\$2.69	\$13,227.43
715-4-13	LIGHT POLE COMPLETE, F&I- STD, 40'	6.00 EA	\$5,845.33	\$35,071.98
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	6.00 EA	\$462.80	\$2,776.80
	<b>Subcomponent Total</b>			\$73,688.94
	<b>Lighting Component Total</b>			\$73,688.95

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**Sequence 130 Total** \$2,036,434.01

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**Sequence:** 141 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.143 MI  
754 LF  
**Description:** (1 of 2) SR 429 SB Ramp to Sinclair Rd

### EARTHWORK COMPONENT

**User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.143
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
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	1.04 AC	\$20,000.00	\$20,800.00
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	247.76 CY	\$26.31	\$6,518.57
	<b>Earthwork Component Total</b>			\$27,318.57

### ROADWAY COMPONENT

**User Input Data**

Description	Value
Number of Lanes	1
Existing Roadway Pavement Width L/R	0.00 / 15.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 0.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	837.76 SY	\$2.59	\$2,169.80
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	1,256.64 SY	\$5.17	\$6,496.83
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	103.67 TN	\$141.47	\$14,666.19
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	50.27 TN	\$240.52	\$12,090.94

#### 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	0

#### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
710-11-101	PAINTED PAVT MARK, STD, WHITE, SOLID, 6"	0.29 GM	\$1,303.59	\$378.04
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.29 GM	\$4,552.88	\$1,320.34
711-16-201	THERMOPLASTIC, STD-OTH, YELLOW, SOLID, 6"	0.29 GM	\$4,552.50	\$1,320.22
<b>Roadway Component Total</b>				<b>\$38,442.37</b>

### SHOULDER COMPONENT

#### User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	0.00 / 0.00
New Total Outside Shoulder Width L/R	4.00 / 6.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	2.00 / 4.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2 No. of Sides	0

#### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE, BASE GROUP 04	557.95 SY	\$21.79	\$12,157.73
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	27.65 TN	\$141.47	\$3,911.65
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	20.11 TN	\$240.52	\$4,836.86

#### X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
520-6	SHOULDER GUTTER- CONCRETE	754.00 LF	\$29.95	\$22,582.30

#### Erosion Control

#### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	1,734.16	LF	\$2.70	\$4,682.23
104-11	FLOATING TURBIDITY BARRIER	14.28	LF	\$12.73	\$181.78
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	14.28	LF	\$4.01	\$57.26
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,921.89	\$2,921.89
104-18	INLET PROTECTION SYSTEM	1.00	EA	\$169.34	\$169.34
107-1	LITTER REMOVAL	0.35	AC	\$45.28	\$15.85
107-2	MOWING	0.35	AC	\$72.25	\$25.29
<b>Shoulder Component Total</b>					<b>\$51,542.18</b>

#### DRAINAGE COMPONENT

Pay Items					
Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	24.00	LF	\$116.05	\$2,785.20
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	16.00	LF	\$171.65	\$2,746.40
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	2.00	EA	\$2,241.18	\$4,482.36
570-1-1	PERFORMANCE TURF	57.69	SY	\$2.02	\$116.53
<b>Drainage Component Total</b>					<b>\$10,130.49</b>

#### 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	\$528.30	\$528.30
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	3.00	AS	\$1,617.22	\$4,851.66
700-1-50	SINGLE POST SIGN, RELOCATE	1.00	AS	\$328.07	\$328.07
700-1-60	SINGLE POST SIGN, REMOVE	3.00	AS	\$118.97	\$356.91
700-2-13	MULTI- POST SIGN, F&I GM, 21-30 SF	1.00	AS	\$5,537.31	\$5,537.31
700-2-60	MULTI- POST SIGN, REMOVE	1.00	AS	\$1,051.85	\$1,051.85
<b>Signing Component Total</b>					<b>\$12,654.10</b>

**Sequence 141 Total** **\$140,087.71**

**Sequence:** 142 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.076 MI  
400 LF  
**Description:** (2 of 2) SR 429 SB Ramp to Sinclair Rd

#### EARTHWORK COMPONENT

##### User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00

Alignment Number	1
Distance	0.076
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

#### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.55 AC	\$20,000.00	\$11,000.00
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	304.82 CY	\$26.31	\$8,019.81
<b>Earthwork Component Total</b>				<b>\$19,019.81</b>

#### ROADWAY COMPONENT

##### User Input Data

Description	Value
Number of Lanes	3
Existing Roadway Pavement Width L/R	0.00 / 24.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 12.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

##### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	1,423.02 SY	\$2.59	\$3,685.62
285-709	OPTIONAL BASE,BASE GROUP 09	548.31 SY	\$26.06	\$14,288.96
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	1,067.26 SY	\$5.17	\$5,517.73
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	88.05 TN	\$141.47	\$12,456.43
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	73.37 TN	\$141.47	\$10,379.65
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	42.69 TN	\$240.52	\$10,267.80
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	44.02 TN	\$240.52	\$10,587.69

##### X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	32.00 LF	\$30.43	\$973.76

##### 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
706-1-3	RAISED PAVMT MARK, TYPE B	41.00	EA	\$6.19	\$253.79
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.15	GM	\$1,303.59	\$195.54
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.15	GM	\$933.65	\$140.05
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.15	GM	\$4,552.88	\$682.93
711-16-201	THERMOPLASTIC, STD- OTH,YELLOW, SOLID, 6"	0.15	GM	\$4,552.50	\$682.88
711-16-231	THERMOPLASTIC, STD-OTH, YELLOW, SKIP, 6"	0.15	GM	\$2,270.75	\$340.61
<b>Roadway Component Total</b>					<b>\$70,453.44</b>

**SHOULDER COMPONENT**

**User Input Data**

Description	Value
Existing Total Outside Shoulder Width L/R	0.00 / 0.00
New Total Outside Shoulder Width L/R	8.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips $\bar{i}$ $\frac{1}{2}$ No. of Sides	0

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	651.92	SY	\$21.79	\$14,205.34
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	34.24	TN	\$141.47	\$4,843.93
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	24.90	TN	\$240.52	\$5,988.95

**Erosion Control**

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	920.52	LF	\$2.70	\$2,485.40
104-11	FLOATING TURBIDITY BARRIER	7.58	LF	\$12.73	\$96.49
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	7.58	LF	\$4.01	\$30.40
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,921.89	\$2,921.89
104-18	INLET PROTECTION SYSTEM	1.00	EA	\$169.34	\$169.34
107-1	LITTER REMOVAL	0.18	AC	\$45.28	\$8.15
107-2	MOWING	0.18	AC	\$72.25	\$13.00
<b>Shoulder Component Total</b>					<b>\$30,762.90</b>

**DRAINAGE COMPONENT**

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	16.00	LF	\$116.05	\$1,856.80
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	8.00	LF	\$171.65	\$1,373.20
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	1.00	EA	\$2,241.18	\$2,241.18
570-1-1	PERFORMANCE TURF	30.62	SY	\$2.02	\$61.85
<b>Drainage Component Total</b>					<b>\$5,533.03</b>

**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	\$528.30	\$528.30
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	2.00	AS	\$1,617.22	\$3,234.44
700-1-50	SINGLE POST SIGN, RELOCATE	1.00	AS	\$328.07	\$328.07
700-1-60	SINGLE POST SIGN, REMOVE	2.00	AS	\$118.97	\$237.94
700-2-13	MULTI- POST SIGN, F&I GM, 21-30 SF	1.00	AS	\$5,537.31	\$5,537.31
700-2-60	MULTI- POST SIGN, REMOVE	1.00	AS	\$1,051.85	\$1,051.85
<b>Signing Component Total</b>					<b>\$10,917.91</b>

**Sequence 142 Total** \$136,687.09

**Sequence:** 150 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.071 MI  
375 LF  
**Description:** Connector Rd Segment connection to Sinclair Rd

**EARTHWORK COMPONENT**

**User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.071
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.52	AC	\$20,000.00	\$10,400.00

120-2-2	BORROW EXCAVATION, TRUCK MEASURE	284.77 CY	\$26.31	\$7,492.30
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<b>Earthwork Component Total</b>				\$17,892.30
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**ROADWAY COMPONENT**

**User Input Data**

Description	Value
Number of Lanes	3
Existing Roadway Pavement Width L/R	0.00 / 24.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 12.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	1,332.91	SY	\$2.59	\$3,452.24
285-709	OPTIONAL BASE,BASE GROUP 09	513.59	SY	\$26.06	\$13,384.16
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	999.68	SY	\$5.17	\$5,168.35
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	82.47	TN	\$141.47	\$11,667.03
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	68.73	TN	\$141.47	\$9,723.23
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	39.99	TN	\$240.52	\$9,618.39
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	41.24	TN	\$240.52	\$9,919.04

**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
706-1-3	RAISED PAVMT MARK, TYPE B	38.00	EA	\$6.19	\$235.22
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.14	GM	\$1,303.59	\$182.50
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.14	GM	\$933.65	\$130.71
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.14	GM	\$4,552.88	\$637.40
711-16-231	THERMOPLASTIC, STD-OTH, YELLOW, SKIP, 6"	0.14	GM	\$2,270.75	\$317.91

<b>Roadway Component Total</b>				\$64,436.18
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**SHOULDER COMPONENT**

**User Input Data**

Description	Value
Existing Total Outside Shoulder Width L/R	0.00 / 0.00
New Total Outside Shoulder Width L/R	8.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2 No. of Sides	0

#### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	610.64	SY	\$21.79	\$13,305.85
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	32.07	TN	\$141.47	\$4,536.94
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	23.33	TN	\$240.52	\$5,611.33

#### Erosion Control

##### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	862.22	LF	\$2.70	\$2,327.99
104-11	FLOATING TURBIDITY BARRIER	7.10	LF	\$12.73	\$90.38
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	7.10	LF	\$4.01	\$28.47
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,921.89	\$2,921.89
104-18	INLET PROTECTION SYSTEM	1.00	EA	\$169.34	\$169.34
107-1	LITTER REMOVAL	0.17	AC	\$45.28	\$7.70
107-2	MOWING	0.17	AC	\$72.25	\$12.28
<b>Shoulder Component Total</b>					<b>\$29,012.17</b>

#### DRAINAGE COMPONENT

##### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	16.00	LF	\$116.05	\$1,856.80
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	8.00	LF	\$171.65	\$1,373.20
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	1.00	EA	\$2,241.18	\$2,241.18
570-1-1	PERFORMANCE TURF	28.68	SY	\$2.02	\$57.93

##### X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	375.00	LF	\$22.19	\$8,321.25
<b>Drainage Component Total</b>					<b>\$13,850.36</b>

#### SIGNING COMPONENT

##### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
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700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	1.00 AS	\$528.30	\$528.30
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	2.00 AS	\$1,617.22	\$3,234.44
700-1-50	SINGLE POST SIGN, RELOCATE	1.00 AS	\$328.07	\$328.07
700-1-60	SINGLE POST SIGN, REMOVE	2.00 AS	\$118.97	\$237.94
700-2-13	MULTI- POST SIGN, F&I GM, 21-30 SF	1.00 AS	\$5,537.31	\$5,537.31
700-2-60	MULTI- POST SIGN, REMOVE	1.00 AS	\$1,051.85	\$1,051.85
<b>Signing Component Total</b>				<b>\$10,917.91</b>

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**Sequence 150 Total** \$136,108.92

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**Sequence:** 170 NUR - New Construction, Undivided, Rural **Net Length:** 0.449 MI  
2,370 LF

**Description:** New SR 429 NB Exit Ramp towards Livingston Connection 2 of 3.

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### EARTHWORK COMPONENT

#### User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	50.00 / 50.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.449
Top of Structural Course For Begin Section	121.00
Top of Structural Course For End Section	121.00
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	5.44 AC	\$20,000.00	\$108,800.00
120-6	EMBANKMENT	145,666.70 CY	\$21.01	\$3,060,457.37
<b>Earthwork Component Total</b>				<b>\$3,169,257.37</b>

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### 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	6,583.87 SY	\$2.59	\$17,052.22
285-709	OPTIONAL BASE, BASE GROUP 09	4,037.23 SY	\$26.06	\$105,210.21

334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	543.17 TN	\$141.47	\$76,842.26
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	325.90 TN	\$240.52	\$78,385.47

**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	1
Skip Stripe No. of Paint Applications	0
Skip Stripe No. of Stripes	0

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.45 GM	\$4,552.88	\$2,048.80
711-16-201	THERMOPLASTIC, STD- OTH,YELLOW, SOLID, 6"	0.45 GM	\$4,552.50	\$2,048.62

**Peripherals Subcomponent**

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

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	19.60 TN	\$227.60	\$4,460.96
536-1-1	GUARDRAIL- ROADWAY, GEN TL- 3	548.00 LF	\$21.34	\$11,694.32
536-85-24	GUARDRAIL END TREATMENT- PARA APP TERM	4.00 EA	\$3,002.12	\$12,008.48

**Roadway Component Total**

\$309,751.35

**SHOULDER COMPONENT**

**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	6.00 / 4.00
Total Outside Shoulder Perf. Turf Width L/R	2.00 / 2.00
Paved Outside Shoulder Width L/R	4.00 / 2.00
Structural Spread Rate	110
Friction Course Spread Rate	165
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2 No. of Sides	0

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	1,753.94 SY	\$21.79	\$38,218.35
334-1-13	SUPERPAVE ASPHALTIC CONC,	86.91 TN	\$141.47	\$12,295.16

337-7-83	TRAFFIC C ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	130.36 TN	\$240.52	\$31,354.19
570-1-1	PERFORMANCE TURF	1,053.42 SY	\$2.02	\$2,127.91

**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	61.00 LF	\$30.43	\$1,856.23

**Erosion Control**

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	6,162.50 LF	\$2.70	\$16,638.75
104-11	FLOATING TURBIDITY BARRIER	112.22 LF	\$12.73	\$1,428.56
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	112.22 LF	\$4.01	\$450.00
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$2,921.89	\$2,921.89
107-1	LITTER REMOVAL	5.44 AC	\$45.28	\$246.32
107-2	MOWING	5.44 AC	\$72.25	\$393.04

**Shoulder Component Total** \$107,930.40

**DRAINAGE COMPONENT**

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	360.00 LF	\$116.05	\$41,778.00
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	80.00 LF	\$171.65	\$13,732.00
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	18.00 EA	\$2,241.18	\$40,341.24
570-1-1	PERFORMANCE TURF	316.03 SY	\$2.02	\$638.38

**Drainage Component Total** \$96,489.62

**SIGNING COMPONENT**

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	1.00 AS	\$528.30	\$528.30
700-1-12	SINGLE POST SIGN, F&I GM, 12- 20 SF	9.00 AS	\$1,617.22	\$14,554.98
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	1.00 AS	\$6,597.30	\$6,597.30

**Signing Component Total** \$21,680.58

**LIGHTING COMPONENT**

**Rural Lighting Subcomponent**

<b>Description</b>	<b>Value</b>
Multiplier (Number of Poles)	20

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	4,000.00	LF	\$9.49	\$37,960.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	20.00	EA	\$765.10	\$15,302.00
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	12,000.00	LF	\$2.69	\$32,280.00
715-4-14	LIGHT POLE COMPLETE, F&I-STD, 45'	20.00	EA	\$6,352.63	\$127,052.60
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	20.00	EA	\$462.80	\$9,256.00
<b>Subcomponent Total</b>					<b>\$221,850.60</b>
<b>Lighting Component Total</b>					<b>\$221,850.60</b>

### ARCHITECTURAL COMPONENT

#### EX-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
735-5	1-LANE ORT [1 X 2 LANES] <b>Comment:</b> New Livingston Road Plaza NB Off-Ramp	1.00	EA	\$875,000.00	\$875,000.00
<b>Architectural Component Total</b>					<b>\$875,000.00</b>

**Sequence 170 Total** **\$4,801,959.92**

**Sequence:** 180 NUR - New Construction, Undivided, Rural **Net Length:** 0.159 MI  
838 LF  
**Description:** New SR 429 NB Entrance Ramp from Livingston Connection 2 of 3.

### EARTHWORK COMPONENT

#### User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	50.00 / 50.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.159
Top of Structural Course For Begin Section	121.00
Top of Structural Course For End Section	121.00
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	1.93	AC	\$20,000.00	\$38,600.00
120-6	EMBANKMENT	50,797.80	CY	\$21.01	\$1,067,261.78
<b>Earthwork Component Total</b>					<b>\$1,105,861.78</b>

### ROADWAY COMPONENT

#### User Input Data

Description	Value
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Number of Lanes	1
Roadway Pavement Width L/R	0.00 / 15.00
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	2,327.60 SY	\$2.59	\$6,028.48
285-709	OPTIONAL BASE,BASE GROUP 09	1,427.28 SY	\$26.06	\$37,194.92
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	192.03 TN	\$141.47	\$27,166.48
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	115.22 TN	\$240.52	\$27,712.71

**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	1
Skip Stripe No. of Paint Applications	0
Skip Stripe No. of Stripes	0

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.16 GM	\$4,552.88	\$728.46
711-16-201	THERMOPLASTIC, STD- OTH,YELLOW, SOLID, 6"	0.16 GM	\$4,552.50	\$728.40
<b>Roadway Component Total</b>				<b>\$99,559.45</b>

**SHOULDER COMPONENT**

**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	6.00 / 4.00
Total Outside Shoulder Perf. Turf Width L/R	2.00 / 2.00
Paved Outside Shoulder Width L/R	4.00 / 2.00
Structural Spread Rate	110
Friction Course Spread Rate	165
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2No. of Sides	0

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	620.07 SY	\$21.79	\$13,511.33
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	30.72 TN	\$141.47	\$4,345.96
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	46.09 TN	\$240.52	\$11,085.57
570-1-1	PERFORMANCE TURF	372.42 SY	\$2.02	\$752.29

**Erosion Control**

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	2,178.63 LF	\$2.70	\$5,882.30

104-11	FLOATING TURBIDITY BARRIER	39.68 LF	\$12.73	\$505.13
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	39.68 LF	\$4.01	\$159.12
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$2,921.89	\$2,921.89
107-1	LITTER REMOVAL	1.92 AC	\$45.28	\$86.94
107-2	MOWING	1.92 AC	\$72.25	\$138.72
<b>Shoulder Component Total</b>				<b>\$39,389.25</b>

#### DRAINAGE COMPONENT

Pay Items					
Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	128.00	LF	\$116.05	\$14,854.40
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	32.00	LF	\$171.65	\$5,492.80
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	7.00	EA	\$2,241.18	\$15,688.26
570-1-1	PERFORMANCE TURF	111.72	SY	\$2.02	\$225.67
<b>Drainage Component Total</b>					<b>\$36,261.13</b>

#### 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	\$528.30	\$528.30
700-1-12	SINGLE POST SIGN, F&I GM, 12- 20 SF	4.00	AS	\$1,617.22	\$6,468.88
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	1.00	AS	\$6,597.30	\$6,597.30
<b>Signing Component Total</b>					<b>\$13,594.48</b>

#### LIGHTING COMPONENT

##### Rural Lighting Subcomponent

Description	Value				
Multiplier (Number of Poles)	7				
Pay Items					
Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,400.00	LF	\$9.49	\$13,286.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	7.00	EA	\$765.10	\$5,355.70
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	4,200.00	LF	\$2.69	\$11,298.00
715-4-14	LIGHT POLE COMPLETE, F&I- STD, 45'	7.00	EA	\$6,352.63	\$44,468.41
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	7.00	EA	\$462.80	\$3,239.60
<b>Subcomponent Total</b>					<b>\$77,647.71</b>
<b>Lighting Component Total</b>					<b>\$77,647.71</b>

Sequence 180 Total

\$1,372,313.80

Sequence: 190 NDU - New Construction, Divided, Urban

Net Length: 0.298 MI  
1,572 LF

Description: (2 of 3)New Livingston Connection with entrance and exit ramps to SR 429 NB.

**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	0.300
Top of Structural Course For Begin Section	106.00
Top of Structural Course For End Section	106.00
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	4.33	AC	\$20,000.00	\$86,600.00
120-6	EMBANKMENT	38,773.97	CY	\$21.01	\$814,641.11
<b>Earthwork Component Total</b>					<b>\$901,241.11</b>

**ROADWAY COMPONENT**

**User Input Data**

Description	Value
Number of Lanes	4
Roadway Pavement Width L/R	24.00 / 24.00
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	10,185.63	SY	\$2.59	\$26,380.78
285-709	OPTIONAL BASE,BASE GROUP 09	8,383.23	SY	\$26.06	\$218,466.97
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,152.69	TN	\$141.47	\$163,071.05
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	691.62	TN	\$240.52	\$166,348.44

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

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-1	RAISED PAVMT MARK, TYPE B W/O FINAL SURF	121.00	EA	\$12.38	\$1,497.98
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.60	GM	\$4,552.88	\$2,731.73
711-16-131	THERMOPLASTIC, STD-OTH, WHITE, SKIP, 6"	0.60	GM	\$2,860.82	\$1,716.49
711-16-201	THERMOPLASTIC, STD- OTH,YELLOW, SOLID, 6"	0.60	GM	\$4,552.50	\$2,731.50
<b>Roadway Component Total</b>					<b>\$582,944.94</b>

**SHOULDER COMPONENT****User Input Data**

Description	Value
Total Outside Shoulder Width L/R	6.25 / 6.25
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 4.00
Sidewalk Width L/R	0.00 / 0.00

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	1,571.86	LF	\$30.43	\$47,831.70
520-1-10	CONCRETE CURB & GUTTER, TYPE F	1,571.86	LF	\$30.43	\$47,831.70
570-1-1	PERFORMANCE TURF	1,397.21	SY	\$2.02	\$2,822.36

**Erosion Control****Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	3,143.71	LF	\$2.70	\$8,488.02
104-11	FLOATING TURBIDITY BARRIER	74.43	LF	\$12.73	\$947.49
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	74.43	LF	\$4.01	\$298.46
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,921.89	\$2,921.89
104-18	INLET PROTECTION SYSTEM	16.00	EA	\$169.34	\$2,709.44
107-1	LITTER REMOVAL	7.58	AC	\$45.28	\$343.22
107-2	MOWING	7.58	AC	\$72.25	\$547.66
<b>Shoulder Component Total</b>					<b>\$114,741.94</b>

**MEDIAN COMPONENT****User Input Data**

Description	Value
Total Median Width	22.00
Performance Turf Width	17.50

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-7	CONCRETE CURB & GUTTER, TYPE E	3,143.71	LF	\$29.46	\$92,613.70
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	150.00	LF	\$54.37	\$8,155.50
570-1-2	PERFORMANCE TURF, SOD	3,056.39	SY	\$8.72	\$26,651.72



Median Component Total

\$127,420.92

**DRAINAGE COMPONENT**

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
425-1-351	INLETS, CURB, TYPE P-5, <10'	11.00	EA	\$5,264.85	\$57,913.35
425-1-451	INLETS, CURB, TYPE J-5, <10'	3.00	EA	\$9,698.46	\$29,095.38
425-1-521	INLETS, DT BOT, TYPE C, <10'	2.00	EA	\$4,541.77	\$9,083.54
425-2-41	MANHOLES, P-7, <10'	2.00	EA	\$9,180.70	\$18,361.40
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	792.00	LF	\$120.00	\$95,040.00
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	72.00	LF	\$171.65	\$12,358.80
430-175-148	PIPE CULV, OPT MATL, ROUND, 48"S/CD	1,496.00	LF	\$360.10	\$538,709.60
570-1-1	PERFORMANCE TURF	90.50	SY	\$2.02	\$182.81
<b>Drainage Component Total</b>					<b>\$760,744.88</b>

**SIGNING COMPONENT**

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	8.00	AS	\$528.30	\$4,226.40
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	1.00	AS	\$1,617.22	\$1,617.22
700-2-15	MULTI- POST SIGN, F&I GM, 51-100 SF	1.00	AS	\$8,797.21	\$8,797.21
700-2-16	MULTI- POST SIGN, F&I GM, 101-200 SF	1.00	AS	\$12,241.36	\$12,241.36
<b>Signing Component Total</b>					<b>\$26,882.19</b>

**LIGHTING COMPONENT**

**Conventional Lighting Subcomponent**

Description	Value				
Spacing	MIN				
Pay Items	Extended Amount				
Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,571.86	LF	\$9.49	\$14,916.95
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	311.99	LF	\$22.53	\$7,029.13
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	11.00	EA	\$765.10	\$8,416.10
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	5,740.85	LF	\$2.69	\$15,442.89
715-4-13	LIGHT POLE COMPLETE, F&I-STD, 40'	11.00	EA	\$5,845.33	\$64,298.63
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	11.00	EA	\$462.80	\$5,090.80
<b>Subcomponent Total</b>					<b>\$115,194.50</b>
<b>Lighting Component Total</b>					<b>\$115,194.50</b>

Sequence 190 Total

\$2,629,170.48

Sequence: 191 NDR - New Construction, Divided, Rural

Net Length: 0.072 MI  
380 LF

Description: (1 of 3)New Livingston connection to SR 429 starting at the intersection with Formosa Gardens Blvd.

**EARTHWORK COMPONENT**

**User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	100.00 / 100.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.072
Top of Structural Course For Begin Section	105.00
Top of Structural Course For End Section	105.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Median Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	5.00 % / 5.00 %
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.75	AC	\$20,000.00	\$35,000.00
120-6	EMBANKMENT	7,653.18	CY	\$21.01	\$160,793.31
<b>Earthwork Component Total</b>					<b>\$195,793.31</b>

**ROADWAY COMPONENT**

**User Input Data**

Description	Value
Number of Lanes	6
Roadway Pavement Width L/R	48.00 / 24.00
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	4,055.04	SY	\$2.59	\$10,502.55
285-709	OPTIONAL BASE,BASE GROUP 09	3,097.04	SY	\$26.06	\$80,708.86
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	418.18	TN	\$141.47	\$59,159.92
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	250.91	TN	\$240.52	\$60,348.87

**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	2

Skip Stripe No. of Paint Applications	0
Skip Stripe No. of Stripes	4

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	49.00	EA	\$6.19	\$303.31
711-15-131	THERMOPLASTIC, STD-OP, WHITE, SKIP, 6"	0.29	GM	\$1,694.38	\$491.37
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.14	GM	\$4,552.88	\$637.40
711-16-201	THERMOPLASTIC, STD- OTH,YELLOW, SOLID, 6"	0.14	GM	\$4,552.50	\$637.35
<b>Roadway Component Total</b>					<b>\$212,789.63</b>

**SHOULDER COMPONENT**

**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	4.00 / 4.00
Total Outside Shoulder Perf. Turf Width L/R	2.00 / 2.00
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 $\bar{i}$ $\frac{1}{2}$ No. of Sides	0

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
570-1-1	PERFORMANCE TURF	168.96	SY	\$2.02	\$341.30

**X-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	760.00	LF	\$30.43	\$23,126.80

**Erosion Control**

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	988.42	LF	\$2.70	\$2,668.73
104-11	FLOATING TURBIDITY BARRIER	18.00	LF	\$12.73	\$229.14
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	18.00	LF	\$4.01	\$72.18
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,921.89	\$2,921.89
104-18	INLET PROTECTION SYSTEM	1.00	EA	\$169.34	\$169.34
107-1	LITTER REMOVAL	1.75	AC	\$45.28	\$79.24
107-2	MOWING	1.75	AC	\$72.25	\$126.44

**Shoulder Component Total** **\$29,735.06**

**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	4.00 / 4.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2 No. of Sides	0

#### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	365.80	SY	\$21.79	\$7,970.78
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	18.59	TN	\$141.47	\$2,629.93
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	13.52	TN	\$240.52	\$3,251.83
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	380.00	LF	\$54.37	\$20,660.60
570-1-1	PERFORMANCE TURF	225.56	SY	\$2.02	\$455.63
<b>Median Component Total</b>					<b>\$34,968.77</b>

#### DRAINAGE COMPONENT

#### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	64.00	LF	\$116.05	\$7,427.20
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	24.00	LF	\$120.00	\$2,880.00
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	24.00	LF	\$171.65	\$4,119.60
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	3.00	EA	\$2,241.18	\$6,723.54
524-1-1	CONCRETE DITCH PAVT, NR, 3"	144.00	SY	\$88.86	\$12,795.84
570-1-1	PERFORMANCE TURF	50.69	SY	\$2.02	\$102.39

#### X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
425-1-351	INLETS, CURB, TYPE P-5, <10'	2.00	EA	\$5,264.85	\$10,529.70
425-1-362	INLETS, CURB, TYPE P-6, >10'	1.00	EA	\$11,800.26	\$11,800.26
<b>Drainage Component Total</b>					<b>\$56,378.53</b>

#### 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	\$528.30	\$528.30
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	2.00	AS	\$1,617.22	\$3,234.44
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	1.00	AS	\$6,597.30	\$6,597.30
700-2-15	MULTI- POST SIGN, F&I GM, 51- 100 SF	1.00	AS	\$8,797.21	\$8,797.21
<b>Signing Component Total</b>					<b>\$19,157.25</b>

**LIGHTING COMPONENT**

**Rural Lighting Subcomponent**

<b>Description</b>	<b>Value</b>				
Multiplier (Number of Poles)	4				
<b>Pay Items</b>					
<b>Pay item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
630-2-11	CONDUIT, F& I, OPEN TRENCH	800.00	LF	\$9.49	\$7,592.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	4.00	EA	\$765.10	\$3,060.40
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	2,400.00	LF	\$2.69	\$6,456.00
715-4-14	LIGHT POLE COMPLETE, F&I-STD, 45'	4.00	EA	\$6,352.63	\$25,410.52
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	4.00	EA	\$462.80	\$1,851.20
	<b>Subcomponent Total</b>				\$44,370.12
	<b>Lighting Component Total</b>				\$44,370.12

**Sequence 191 Total** \$593,192.67

**Sequence:** 211 WDU - Widen/Resurface, Divided, Urban **Net Length:** 0.107 MI  
564 LF

**Description:** (1 of 3) Formosa Garden Blvd Widening, Reconstruction, Milling and Resurfacing up to Livingston Rd Intersection. Includes Signalized intersection.

**EARTHWORK COMPONENT**

**User Input Data**

<b>Description</b>	<b>Value</b>
Standard Clearing and Grubbing Limits L/R	25.00 / 25.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.107
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Median Shoulder Cross Slope L/R	4.00 % / 4.00 %
Existing Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
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**

<b>Pay item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
110-1-1	CLEARING & GRUBBING	0.65	AC	\$20,000.00	\$13,000.00
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	1,091.42	CY	\$26.31	\$28,715.26
	<b>Earthwork Component Total</b>				\$41,715.26

**ROADWAY COMPONENT**

**User Input Data**

Description	Value
Number of Lanes	6
Existing Roadway Pavement Width L/R	24.00 / 41.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 7.00
Widened Inside Pavement Width L/R	0.00 / 0.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	600.24	SY	\$2.59	\$1,554.62
285-709	OPTIONAL BASE,BASE GROUP 09	459.27	SY	\$26.06	\$11,968.58
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	4,072.64	SY	\$5.17	\$21,055.55
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	335.99	TN	\$141.47	\$47,532.51
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	60.31	TN	\$141.47	\$8,532.06
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	162.91	TN	\$240.52	\$39,183.11
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	36.18	TN	\$240.52	\$8,702.01

**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	72.00	EA	\$12.38	\$891.36
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.43	GM	\$1,303.59	\$560.54
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	0.43	GM	\$438.24	\$188.44
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.43	GM	\$4,552.88	\$1,957.74
711-16-131	THERMOPLASTIC, STD-OTH, WHITE, SKIP, 6"	0.43	GM	\$2,860.82	\$1,230.15
711-16-201	THERMOPLASTIC, STD-OTH,YELLOW, SOLID, 6"	0.43	GM	\$4,552.50	\$1,957.58

**Roadway Component Total**

\$145,314.25

**SHOULDER COMPONENT****User Input Data**

Description	Value
Existing Total Outside Shoulder Width L/R	0.00 / 0.00
New Total Outside Shoulder Width L/R	4.25 / 8.25

Total Outside Shoulder Perf. Turf Width L/R	2.00 / 0.00
Sidewalk Width L/R	0.00 / 6.00

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	563.90 LF	\$30.43	\$17,159.48
520-1-10	CONCRETE CURB & GUTTER, TYPE F	563.90 LF	\$30.43	\$17,159.48
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	375.94 SY	\$203.42	\$76,473.71
570-1-1	PERFORMANCE TURF	125.31 SY	\$2.02	\$253.13

**Erosion Control**

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	1,127.81 LF	\$2.70	\$3,045.09
104-11	FLOATING TURBIDITY BARRIER	10.68 LF	\$12.73	\$135.96
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	10.68 LF	\$4.01	\$42.83
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$2,921.89	\$2,921.89
104-18	INLET PROTECTION SYSTEM	5.00 EA	\$169.34	\$846.70
107-1	LITTER REMOVAL	0.93 AC	\$45.28	\$42.11
107-2	MOWING	0.93 AC	\$72.25	\$67.19
<b>Shoulder Component Total</b>				<b>\$118,147.57</b>

**MEDIAN COMPONENT**

**User Input Data**

Description	Value
Total Median Width	4.00
Performance Turf Width	0.00

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	144.00 LF	\$54.37	\$7,829.28

**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	470.00 LF	\$30.43	\$14,302.10
<b>Median Component Total</b>				<b>\$22,131.38</b>

**DRAINAGE COMPONENT**

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
425-1-351	INLETS, CURB, TYPE P-5, <10'	4.00 EA	\$5,264.85	\$21,059.40
425-1-451	INLETS, CURB, TYPE J-5, <10'	2.00 EA	\$9,698.46	\$19,396.92
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	64.00 LF	\$120.00	\$7,680.00
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	24.00 LF	\$171.65	\$4,119.60

570-1-1	PERFORMANCE TURF	32.47 SY	\$2.02	\$65.59
<b>Drainage Component Total</b>				<b>\$52,321.51</b>

**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	\$528.30	\$1,584.90
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	1.00	AS	\$1,617.22	\$1,617.22
700-1-50	SINGLE POST SIGN, RELOCATE	1.00	AS	\$328.07	\$328.07
700-1-60	SINGLE POST SIGN, REMOVE	3.00	AS	\$118.97	\$356.91
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	1.00	AS	\$6,597.30	\$6,597.30
700-2-60	MULTI- POST SIGN, REMOVE	1.00	AS	\$1,051.85	\$1,051.85
<b>Signing Component Total</b>					<b>\$11,536.25</b>

**SIGNALIZATIONS COMPONENT**

**Signalization 1**

Description	Value
Type	4 Lane Mast Arm
Multiplier	1
Description	At the Intersection with Livingston Rd

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	750.00	LF	\$9.49	\$7,117.50
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	250.00	LF	\$22.53	\$5,632.50
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$8,368.88	\$8,368.88
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	16.00	EA	\$765.10	\$12,241.60
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	\$4,122.68	\$4,122.68
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00	LF	\$7.57	\$454.20
649-21-10	STEEL MAST ARM ASSEMBLY, F&I, 60'	4.00	EA	\$68,710.55	\$274,842.20
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	12.00	AS	\$1,469.23	\$17,630.76
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00	AS	\$856.59	\$6,852.72
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	12.00	EA	\$330.47	\$3,965.64
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	12.00	AS	\$1,408.24	\$16,898.88
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00	EA	\$326.91	\$2,615.28
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00	AS	\$34,261.40	\$34,261.40
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00	EA	\$433.11	\$1,732.44
<b>Signalizations Component Total</b>					<b>\$396,736.68</b>



Sequence 211 Total

\$787,902.90

Sequence: 212 WDU - Widen/Resurface, Divided, Urban

Net Length: 0.479 MI  
2,527 LF

Description: (2 of 3) Formosa Garden Blvd Widening, Reconstruction, Milling and Resurfacing from Livingston Rd to Formosa Blvd.

Special Conditions: Includes New Signalized Intersection at the intersection with Livingston RD.

**EARTHWORK COMPONENT**

**User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	70.00 / 0.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.604
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Median Shoulder Cross Slope L/R	4.00 % / 4.00 %
Existing Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
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	4.06	AC	\$20,000.00	\$81,200.00
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	8,650.78	CY	\$26.31	\$227,602.02
<b>Earthwork Component Total</b>					<b>\$308,802.02</b>

**ROADWAY COMPONENT**

**User Input Data**

Description	Value
Number of Lanes	4
Existing Roadway Pavement Width L/R	0.00 / 24.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	24.00 / 0.00
Widened Inside Pavement Width L/R	0.00 / 0.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	7,463.10	SY	\$2.59	\$19,329.43
285-709	OPTIONAL BASE,BASE GROUP 09	6,831.34	SY	\$26.06	\$178,024.72
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	6,738.69	SY	\$5.17	\$34,839.03
334-1-13	SUPERPAVE ASPHALTIC CONC,	555.94	TN	\$141.47	\$78,648.83

	TRAFFIC C			
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	926.57 TN	\$141.47	\$131,081.86
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	269.55 TN	\$240.52	\$64,832.17
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	555.94 TN	\$240.52	\$133,714.69

#### 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
706-1-1	RAISED PAVMT MARK, TYPE B W/O FINAL SURF	194.00	EA	\$12.38	\$2,401.72
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	1.91	GM	\$1,303.59	\$2,489.86
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	0.96	GM	\$438.24	\$420.71
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	1.91	GM	\$4,552.88	\$8,696.00
711-16-131	THERMOPLASTIC, STD-OTH, WHITE, SKIP, 6"	0.96	GM	\$2,860.82	\$2,746.39
711-16-201	THERMOPLASTIC, STD- OTH,YELLOW, SOLID, 6"	1.91	GM	\$4,552.50	\$8,695.28
<b>Roadway Component Total</b>					<b>\$665,920.69</b>

### SHOULDER COMPONENT

#### User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	0.00 / 0.00
New Total Outside Shoulder Width L/R	11.25 / 5.25
Total Outside Shoulder Perf. Turf Width L/R	3.00 / 3.00
Sidewalk Width L/R	6.00 / 0.00

#### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	2,527.01	LF	\$30.43	\$76,896.91
520-1-10	CONCRETE CURB & GUTTER, TYPE F	2,527.01	LF	\$30.43	\$76,896.91
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	1,684.67	SY	\$203.42	\$342,695.57
570-1-1	PERFORMANCE TURF	1,684.67	SY	\$2.02	\$3,403.03

#### Erosion Control

#### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	5,054.02	LF	\$2.70	\$13,645.85
104-11	FLOATING TURBIDITY BARRIER	47.86	LF	\$12.73	\$609.26

104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	47.86 LF	\$4.01	\$191.92
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$2,921.89	\$2,921.89
104-18	INLET PROTECTION SYSTEM	23.00 EA	\$169.34	\$3,894.82
107-1	LITTER REMOVAL	4.17 AC	\$45.28	\$188.82
107-2	MOWING	4.17 AC	\$72.25	\$301.28
<b>Shoulder Component Total</b>				<b>\$521,646.26</b>

#### MEDIAN COMPONENT

##### User Input Data

Description	Value
Total Median Width	13.00
Performance Turf Width	9.00

##### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	5,054.02 LF	\$30.43	\$153,793.83
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	423.00 LF	\$54.37	\$22,998.51
570-1-2	PERFORMANCE TURF, SOD	2,527.01 SY	\$8.72	\$22,035.53
<b>Median Component Total</b>				<b>\$198,827.87</b>

#### DRAINAGE COMPONENT

##### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
425-1-351	INLETS, CURB, TYPE P-5, <10'	18.00 EA	\$5,264.85	\$94,767.30
425-1-451	INLETS, CURB, TYPE J-5, <10'	5.00 EA	\$9,698.46	\$48,492.30
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	272.00 LF	\$120.00	\$32,640.00
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	80.00 LF	\$171.65	\$13,732.00
570-1-1	PERFORMANCE TURF	145.49 SY	\$2.02	\$293.89

##### Retention Basin 1

Description	Value
Size	2 AC
Multiplier	1
Depth	12.00
Description	Formosa Garden Blvd Pond

##### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	2.00 AC	\$20,000.00	\$40,000.00
120-1	REGULAR EXCAVATION	38,720.00 CY	\$14.07	\$544,790.40
425-1-541	INLETS, DT BOT, TYPE D, <10'	1.00 EA	\$5,744.39	\$5,744.39
425-2-71	MANHOLES, J-7, <10'	1.00 EA	\$8,031.77	\$8,031.77
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	56.00 LF	\$193.67	\$10,845.52
430-175-160	PIPE CULV, OPT MATL, ROUND, 60"S/CD	200.00 LF	\$522.06	\$104,412.00
570-1-1	PERFORMANCE TURF	9,680.00 SY	\$2.02	\$19,553.60

**Drainage Component Total**

**\$923,303.17**

**SIGNING COMPONENT**

**Pay Items**

<b>Pay item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	11.00	AS	\$528.30	\$5,811.30
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	1.00	AS	\$1,617.22	\$1,617.22
700-1-50	SINGLE POST SIGN, RELOCATE	1.00	AS	\$328.07	\$328.07
700-1-60	SINGLE POST SIGN, REMOVE	11.00	AS	\$118.97	\$1,308.67
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	1.00	AS	\$6,597.30	\$6,597.30
700-2-60	MULTI- POST SIGN, REMOVE	1.00	AS	\$1,051.85	\$1,051.85
<b>Signing Component Total</b>					<b>\$16,714.41</b>

**Sequence 212 Total**

**\$2,635,214.42**

**Sequence:** 213 WDU - Widen/Resurface, Divided, Urban

**Net Length:** 0.076 MI  
400 LF

**Description:** (3 of 3) Livingston Road Widening, Reconstruction, Milling and Resurfacing up to intersection with Formosa Gardens Blvd.

**EARTHWORK COMPONENT**

**User Input Data**

<b>Description</b>	<b>Value</b>
Standard Clearing and Grubbing Limits L/R	60.00 / 16.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.079
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Median Shoulder Cross Slope L/R	4.00 % / 4.00 %
Existing Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
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**

<b>Pay item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
110-1-1	CLEARING & GRUBBING	0.70	AC	\$20,000.00	\$14,000.00
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	1,253.83	CY	\$26.31	\$32,988.27
<b>Earthwork Component Total</b>					<b>\$46,988.27</b>

**ROADWAY COMPONENT**

**User Input Data**

Description	Value
Number of Lanes	4
Existing Roadway Pavement Width L/R	19.00 / 11.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	3.00 / 11.00
Widened Inside Pavement Width L/R	0.00 / 0.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	852.03	SY	\$2.59	\$2,206.76
285-709	OPTIONAL BASE,BASE GROUP 09	651.92	SY	\$26.06	\$16,989.04
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	1,334.08	SY	\$5.17	\$6,897.19
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	110.06	TN	\$141.47	\$15,570.19
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	85.60	TN	\$141.47	\$12,109.83
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	53.36	TN	\$240.52	\$12,834.15
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	51.36	TN	\$240.52	\$12,353.11

**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
706-1-1	RAISED PAVMT MARK, TYPE B W/O FINAL SURF	31.00	EA	\$12.38	\$383.78
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.30	GM	\$1,303.59	\$391.08
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	0.15	GM	\$438.24	\$65.74
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.30	GM	\$4,552.88	\$1,365.86
711-16-131	THERMOPLASTIC, STD-OTH, WHITE, SKIP, 6"	0.15	GM	\$2,860.82	\$429.12
711-16-201	THERMOPLASTIC, STD-OTH,YELLOW, SOLID, 6"	0.30	GM	\$4,552.50	\$1,365.75

**Roadway Component Total**

\$82,961.60

**SHOULDER COMPONENT****User Input Data**

Description	Value
Existing Total Outside Shoulder Width L/R	0.00 / 0.00
New Total Outside Shoulder Width L/R	4.25 / 8.25

Total Outside Shoulder Perf. Turf Width L/R  
Sidewalk Width L/R

2.00 / 0.00  
0.00 / 6.00

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	400.22	LF	\$30.43	\$12,178.69
520-1-10	CONCRETE CURB & GUTTER, TYPE F	400.22	LF	\$30.43	\$12,178.69
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	266.82	SY	\$203.42	\$54,276.52
570-1-1	PERFORMANCE TURF	88.94	SY	\$2.02	\$179.66

**Erosion Control**

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	800.45	LF	\$2.70	\$2,161.22
104-11	FLOATING TURBIDITY BARRIER	7.58	LF	\$12.73	\$96.49
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	7.58	LF	\$4.01	\$30.40
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,921.89	\$2,921.89
104-18	INLET PROTECTION SYSTEM	4.00	EA	\$169.34	\$677.36
107-1	LITTER REMOVAL	0.66	AC	\$45.28	\$29.88
107-2	MOWING	0.66	AC	\$72.25	\$47.68
<b>Shoulder Component Total</b>					<b>\$84,778.49</b>

**MEDIAN COMPONENT**

**User Input Data**

Description	Value
Total Median Width	12.00
Performance Turf Width	8.00

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	800.45	LF	\$30.43	\$24,357.69
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	171.00	LF	\$54.37	\$9,297.27
570-1-1	PERFORMANCE TURF	355.75	SY	\$2.02	\$718.62
<b>Median Component Total</b>					<b>\$34,373.58</b>

**DRAINAGE COMPONENT**

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
425-1-351	INLETS, CURB, TYPE P-5, <10'	3.00	EA	\$5,264.85	\$15,794.55
425-1-451	INLETS, CURB, TYPE J-5, <10'	1.00	EA	\$9,698.46	\$9,698.46
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	48.00	LF	\$120.00	\$5,760.00
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	16.00	LF	\$171.65	\$2,746.40
570-1-1	PERFORMANCE TURF	23.04	SY	\$2.02	\$46.54

**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	\$528.30	\$1,056.60
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	1.00	AS	\$1,617.22	\$1,617.22
700-1-50	SINGLE POST SIGN, RELOCATE	1.00	AS	\$328.07	\$328.07
700-1-60	SINGLE POST SIGN, REMOVE	2.00	AS	\$118.97	\$237.94
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	1.00	AS	\$6,597.30	\$6,597.30
700-2-60	MULTI- POST SIGN, REMOVE	1.00	AS	\$1,051.85	\$1,051.85
<b>Signing Component Total</b>					<b>\$10,888.98</b>

**Sequence 213 Total**

\$294,036.87

**Sequence:** 230 NDR - New Construction, Divided, Rural**Net Length:** 0.118 MI  
621 LF**Description:** Livingston Connection 3 of 3.**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	100.00 / 100.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.120
Top of Structural Course For Begin Section	131.00
Top of Structural Course For End Section	131.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Median Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	5.00 % / 5.00 %
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	2.86	AC	\$20,000.00	\$57,200.00
120-6	EMBANKMENT	181,852.82	CY	\$21.01	\$3,820,727.75
<b>Earthwork Component Total</b>					<b>\$3,877,927.75</b>

**ROADWAY COMPONENT****User Input Data**

Description	Value
Number of Lanes	3
Roadway Pavement Width L/R	15.00 / 24.00

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	5,105.41	SY	\$2.59	\$13,223.01
285-709	OPTIONAL BASE,BASE GROUP 09	2,781.76	SY	\$26.06	\$72,492.67
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	369.97	TN	\$141.47	\$52,339.66
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	221.98	TN	\$240.52	\$53,390.63

**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	1

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-1	RAISED PAVMT MARK, TYPE B W/O FINAL SURF	32.00	EA	\$12.38	\$396.16
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.12	GM	\$1,303.59	\$156.43
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	0.12	GM	\$438.24	\$52.59
711-15-101	THERMOPLASTIC, STD-OP, WHITE, SOLID, 6"	0.12	GM	\$5,266.55	\$631.99
711-15-131	THERMOPLASTIC, STD-OP, WHITE, SKIP, 6"	0.12	GM	\$1,694.38	\$203.33
711-15-202	THERMOPLASTIC, STD-OP, YELLOW, SOLID, 8"	0.12	GM	\$7,933.01	\$951.96

**Peripherals Subcomponent**

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

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	24.32	TN	\$227.60	\$5,535.23
536-1-1	GUARDRAIL- ROADWAY, GEN TL-3	689.65	LF	\$21.34	\$14,717.13
536-85-24	GUARDRAIL END TREATMENT- PARA APP TERM	4.00	EA	\$3,002.12	\$12,008.48

**Roadway Component Total** \$226,099.27

**SHOULDER COMPONENT**

User Input Data



Description	Value
Total Outside Shoulder Width L/R	8.00 / 11.00
Total Outside Shoulder Perf. Turf Width L/R	2.00 / 2.00
Paved Outside Shoulder Width L/R	6.00 / 9.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips $\frac{1}{2}$ No. of Sides	0

#### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	1,080.41	SY	\$21.79	\$23,542.13
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	56.92	TN	\$141.47	\$8,052.47
337-7-25	ASPH CONC FC,INC BIT,FC- 5,PG76-22	41.40	TN	\$198.46	\$8,216.24
570-1-1	PERFORMANCE TURF	275.97	SY	\$2.02	\$557.46

#### Erosion Control

##### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	1,614.41	LF	\$2.70	\$4,358.91
104-11	FLOATING TURBIDITY BARRIER	29.40	LF	\$12.73	\$374.26
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	29.40	LF	\$4.01	\$117.89
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,921.89	\$2,921.89
104-18	INLET PROTECTION SYSTEM	1.00	EA	\$169.34	\$169.34
107-1	LITTER REMOVAL	2.85	AC	\$45.28	\$129.05
107-2	MOWING	2.85	AC	\$72.25	\$205.91

**Shoulder Component Total**

**\$48,645.55**

### MEDIAN COMPONENT

#### User Input Data

Description	Value
Total Median Width	20.00
Performance Turf Width	0.00
Total Median Shoulder Width L/R	8.00 / 8.00
Paved Median Shoulder Width L/R	8.00 / 8.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips $\frac{1}{2}$ No. of Sides	0

#### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	1,149.41	SY	\$21.79	\$25,045.64
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	60.71	TN	\$141.47	\$8,588.64
337-7-25	ASPH CONC FC,INC BIT,FC- 5,PG76-22	44.15	TN	\$198.46	\$8,762.01
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	223.95	LF	\$54.37	\$12,176.16

#### X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
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520-1-10	CONCRETE CURB & GUTTER, TYPE F	500.00 LF	\$30.43	\$15,215.00
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**Median Component Total** \$69,787.45

**DRAINAGE COMPONENT**

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	96.00 LF	\$116.05	\$11,140.80
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	48.00 LF	\$120.00	\$5,760.00
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	40.00 LF	\$171.65	\$6,866.00
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	5.00 EA	\$2,241.18	\$11,205.90
524-1-1	CONCRETE DITCH PAVT, NR, 3"	235.20 SY	\$88.86	\$20,899.87
570-1-1	PERFORMANCE TURF	82.79 SY	\$2.02	\$167.24

**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
425-1-701	INLETS, GUTTER, TYPE S, <10'	2.00 EA	\$5,128.69	\$10,257.38

**Drainage Component Total** \$66,297.19

**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	\$528.30	\$528.30
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	3.00 AS	\$1,617.22	\$4,851.66
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	1.00 AS	\$6,597.30	\$6,597.30
700-2-15	MULTI- POST SIGN, F&I GM, 51- 100 SF	1.00 AS	\$8,797.21	\$8,797.21

**Signing Component Total** \$20,774.47

**LIGHTING COMPONENT**

**Rural Lighting Subcomponent**

Description	Value			
Multiplier (Number of Poles)	6			
<b>Pay Items</b>				
Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,200.00 LF	\$9.49	\$11,388.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	6.00 EA	\$765.10	\$4,590.60
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	3,600.00 LF	\$2.69	\$9,684.00
715-4-14	LIGHT POLE COMPLETE, F&I- STD, 45'	6.00 EA	\$6,352.63	\$38,115.78
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	6.00 EA	\$462.80	\$2,776.80
<b>Subcomponent Total</b>				\$66,555.18

Lighting Component Total

\$66,555.18

**BRIDGES COMPONENT**

**Bridge LIVI-1**

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	280.00
Width (LF)	84.00
Type	Overpass Bridge
Cost Factor	1.25
Structure No.	
Removal of Existing Structures area	0.00
Default Cost per SF	\$135.00
Factored Cost per SF	\$168.75
<b>Final Cost per SF</b>	<b>\$174.55</b>
<b>Basic Bridge Cost</b>	<b>\$3,969,000.00</b>
Description	NEW LIVINGSTON ROAD BRIDGE OVER SR 429

**Bridge Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-10	CONC CLASS II, APPROACH SLABS	186.67	CY	\$539.79	\$100,762.60
415-1-9	REINF STEEL- APPROACH SLABS	32,667.25	LB	\$1.09	\$35,607.30
<b>Bridge LIVI-1 Total</b>					<b>\$4,105,369.90</b>
<b>Bridges Component Total</b>					<b>\$4,105,369.90</b>

**Sequence 230 Total**

\$8,481,456.76

**Sequence:** 240 NUR - New Construction, Undivided, Rural **Net Length:** 0.192 MI  
1,012 LF

**Description:** (1 of 2)New SR 429 SB Exit Ramp towards Livingston Connection 3 of 3.

**EARTHWORK COMPONENT**

**User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	10.00 / 50.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.200
Top of Structural Course For Begin Section	111.00
Top of Structural Course For End Section	111.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	1 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	1.40	AC	\$20,000.00	\$28,000.00

120-6	EMBANKMENT	10,942.90 CY	\$21.01	\$229,910.33
<b>Earthwork Component Total</b>				<b>\$257,910.33</b>

### 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	3,486.38	SY	\$2.59	\$9,029.72
285-709	OPTIONAL BASE,BASE GROUP 09	1,724.07	SY	\$26.06	\$44,929.26
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	231.96	TN	\$141.47	\$32,815.38
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	139.17	TN	\$240.52	\$33,473.17

#### 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
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.19	GM	\$1,303.59	\$247.68
711-15-201	THERMOPLASTIC, STD- OP,YELLOW, SOLID, 6"	0.19	GM	\$5,718.11	\$1,086.44
711-15-202	THERMOPLASTIC, STD-OP, YELLOW, SOLID, 8"	0.19	GM	\$7,933.01	\$1,507.27

#### Peripherals Subcomponent

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

#### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	27.20	TN	\$227.60	\$6,190.72
536-1-1	GUARDRAIL- ROADWAY, GEN TL-3	785.88	LF	\$21.34	\$16,770.68
536-85-24	GUARDRAIL END TREATMENT- PARA APP TERM	3.00	EA	\$3,002.12	\$9,006.36

## 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	2.00 / 2.00
Paved Outside Shoulder Width L/R	6.00 / 6.00
Structural Spread Rate	110
Friction Course Spread Rate	165
Total Width (T) / 8" Overlap (O)	T
Rumble Strips $\frac{1}{2}$ No. of Sides	0

## Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	1,423.79	SY	\$21.79	\$31,024.38
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	74.23	TN	\$141.47	\$10,501.32
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	111.34	TN	\$240.52	\$26,779.50
570-1-1	PERFORMANCE TURF	449.86	SY	\$2.02	\$908.72

## X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-6	SHOULDER GUTTER- CONCRETE	785.88	LF	\$29.95	\$23,537.11

## Erosion Control

## Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	2,631.66	LF	\$2.70	\$7,105.48
104-11	FLOATING TURBIDITY BARRIER	47.92	LF	\$12.73	\$610.02
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	47.92	LF	\$4.01	\$192.16
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,921.89	\$2,921.89
107-1	LITTER REMOVAL	2.32	AC	\$45.28	\$105.05
107-2	MOWING	2.32	AC	\$72.25	\$167.62

Shoulder Component Total

\$103,853.25

## DRAINAGE COMPONENT

## Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	160.00	LF	\$116.05	\$18,568.00
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	40.00	LF	\$171.65	\$6,866.00
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	8.00	EA	\$2,241.18	\$17,929.44
570-1-1	PERFORMANCE TURF	134.96	SY	\$2.02	\$272.62

## X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
425-1-701	INLETS, GUTTER, TYPE S, <10'	2.00	EA	\$5,128.69	\$10,257.38

**Drainage Component Total**

**\$53,893.44**

**SIGNING COMPONENT**

**Pay Items**

<b>Pay item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	1.00	AS	\$528.30	\$528.30
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	4.00	AS	\$1,617.22	\$6,468.88
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	1.00	AS	\$6,597.30	\$6,597.30
<b>Signing Component Total</b>					<b>\$13,594.48</b>

**LIGHTING COMPONENT**

**Rural Lighting Subcomponent**

<b>Description</b>	<b>Value</b>				
Multiplier (Number of Poles)	9				
<b>Pay Items</b>					
<b>Pay item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,800.00	LF	\$9.49	\$17,082.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	9.00	EA	\$765.10	\$6,885.90
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	5,400.00	LF	\$2.69	\$14,526.00
715-4-14	LIGHT POLE COMPLETE, F&I-STD, 45'	9.00	EA	\$6,352.63	\$57,173.67
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	9.00	EA	\$462.80	\$4,165.20
<b>Subcomponent Total</b>					<b>\$99,832.77</b>
<b>Lighting Component Total</b>					<b>\$99,832.77</b>

**RETAINING WALLS COMPONENT**

**Retaining Wall 1**

<b>Description</b>	<b>Value</b>
Length	160.00
Begin height	11.00
End Height	11.00
Multiplier	1

**Pay Items**

<b>Pay item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
548-12	RET WALL SYSTEM, PERM, EX BARRIER	1,760.00	SF	\$36.27	\$63,835.20
<b>Retaining Walls Component Total</b>					<b>\$63,835.20</b>

**Sequence 240 Total**

**\$747,976.15**

**Description:** (2 of 2)New SR 429 SB Exit Ramp towards Livingston Connection 3 of 3.

### EARTHWORK COMPONENT

#### User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	10.00 / 50.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.160
Top of Structural Course For Begin Section	111.00
Top of Structural Course For End Section	111.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	1 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	1.16	AC	\$20,000.00	\$23,200.00
120-6	EMBANKMENT	25,933.17	CY	\$21.01	\$544,855.90
<b>Earthwork Component Total</b>					<b>\$568,055.90</b>

### ROADWAY COMPONENT

#### User Input Data

Description	Value
Number of Lanes	1
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	4,474.62	SY	\$2.59	\$11,589.27
285-709	OPTIONAL BASE,BASE GROUP 09	2,298.84	SY	\$26.06	\$59,907.77
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	307.63	TN	\$141.47	\$43,520.42
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	184.58	TN	\$240.52	\$44,395.18

#### 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
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.16	GM	\$1,303.59	\$208.57

711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.16 GM	\$4,552.88	\$728.46
711-16-201	THERMOPLASTIC, STD- OTH,YELLOW, SOLID, 6"	0.16 GM	\$4,552.50	\$728.40

**Peripherals Subcomponent**

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

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	27.96 TN	\$227.60	\$6,363.70
536-1-1	GUARDRAIL- ROADWAY, GEN TL-3	838.70 LF	\$21.34	\$17,897.86
<b>Roadway Component Total</b>				<b>\$185,339.63</b>

**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	110
Friction Course Spread Rate	165
Total Width (T) / 8" Overlap (O)	T
Rumble Strips $i_c \frac{1}{2}$ No. of Sides	0

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	1,925.95 SY	\$21.79	\$41,966.45
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	102.54 TN	\$141.47	\$14,506.33
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	153.82 TN	\$240.52	\$36,996.79
570-1-1	PERFORMANCE TURF	372.89 SY	\$2.02	\$753.24

**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
520-6	SHOULDER GUTTER- CONCRETE	838.70 LF	\$29.95	\$25,119.06

**Erosion Control**

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	2,181.38 LF	\$2.70	\$5,889.73
104-11	FLOATING TURBIDITY BARRIER	39.72 LF	\$12.73	\$505.64
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	39.72 LF	\$4.01	\$159.28
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$2,921.89	\$2,921.89
107-1	LITTER REMOVAL	1.93 AC	\$45.28	\$87.39



107-2	MOWING	1.93 AC	\$72.25	\$139.44
<b>Shoulder Component Total</b>				\$129,045.25

**DRAINAGE COMPONENT**

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND, 24" SD	128.00	LF	\$116.05	\$14,854.40
430-175-136	PIPE CULV, OPT MATL, ROUND, 36" S/CD	32.00	LF	\$171.65	\$5,492.80
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	7.00	EA	\$2,241.18	\$15,688.26
570-1-1	PERFORMANCE TURF	111.87	SY	\$2.02	\$225.98

**X-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
425-1-701	INLETS, GUTTER, TYPE S, <10'	2.00	EA	\$5,128.69	\$10,257.38

**Drainage Component Total** \$46,518.82

**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	\$528.30	\$528.30
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	4.00	AS	\$1,617.22	\$6,468.88
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	1.00	AS	\$6,597.30	\$6,597.30

**Signing Component Total** \$13,594.48

**LIGHTING COMPONENT**

**Rural Lighting Subcomponent**

Description	Value
Multiplier (Number of Poles)	7

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,400.00	LF	\$9.49	\$13,286.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	7.00	EA	\$765.10	\$5,355.70
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	4,200.00	LF	\$2.69	\$11,298.00
715-4-14	LIGHT POLE COMPLETE, F&I-STD, 45'	7.00	EA	\$6,352.63	\$44,468.41
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	7.00	EA	\$462.80	\$3,239.60

**Subcomponent Total** \$77,647.71

**Lighting Component Total** \$77,647.71

**RETAINING WALLS COMPONENT**

**Retaining Wall 1**

Description	Value
Length	839.00
Begin height	13.00
End Height	13.00
Multiplier	1

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	10,907.00	SF	\$36.27	\$395,596.89
<b>Retaining Walls Component Total</b>					<b>\$395,596.89</b>

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**Sequence 242 Total** \$1,415,798.68

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**Sequence:** 250 NUR - New Construction, Undivided, Rural **Net Length:** 0.592 MI  
3,126 LF

**Description:** New SR 429 SB Entrance Ramp coming from Livingston Connection 3 of 3.

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**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	10.00 / 50.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.592
Top of Structural Course For Begin Section	132.00
Top of Structural Course For End Section	132.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	1 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	4.31	AC	\$20,000.00	\$86,200.00
120-6	EMBANKMENT	145,365.21	CY	\$21.01	\$3,054,123.06
<b>Earthwork Component Total</b>					<b>\$3,140,323.06</b>

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**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
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160-4	TYPE B STABILIZATION	12,850.35 SY	\$2.59	\$33,282.41
285-709	OPTIONAL BASE,BASE GROUP 09	5,324.21 SY	\$26.06	\$138,748.91
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	716.32 TN	\$141.47	\$101,337.79
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	429.79 TN	\$240.52	\$103,373.09

#### 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
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.59 GM	\$1,303.59	\$769.12
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.59 GM	\$4,552.88	\$2,686.20
711-16-201	THERMOPLASTIC, STD- OTH,YELLOW, SOLID, 6"	0.59 GM	\$4,552.50	\$2,685.98

#### Peripherals Subcomponent

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

#### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	43.00 TN	\$227.60	\$9,786.80
536-1-1	GUARDRAIL- ROADWAY, GEN TL- 3	1,260.00 LF	\$21.34	\$26,888.40
536-85-24	GUARDRAIL END TREATMENT- PARA APP TERM	3.00 EA	\$3,002.12	\$9,006.36

#### Roadway Component Total

\$428,565.06

### 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	2.00 / 2.00
Paved Outside Shoulder Width L/R	8.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	165
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2No. of Sides	0

#### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	6,480.74 SY	\$21.79	\$141,215.32
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	343.83 TN	\$141.47	\$48,641.63
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	515.75 TN	\$240.52	\$124,048.19
570-1-1	PERFORMANCE TURF	1,389.23 SY	\$2.02	\$2,806.24

#### X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
520-6	SHOULDER GUTTER- CONCRETE	1,260.00 LF	\$29.95	\$37,737.00

#### Erosion Control

##### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	8,126.98 LF	\$2.70	\$21,942.85
104-11	FLOATING TURBIDITY BARRIER	148.00 LF	\$12.73	\$1,884.04
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	148.00 LF	\$4.01	\$593.48
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$2,921.89	\$2,921.89
107-1	LITTER REMOVAL	7.18 AC	\$45.28	\$325.11
107-2	MOWING	7.18 AC	\$72.25	\$518.76

**Shoulder Component Total**

**\$382,634.51**

#### DRAINAGE COMPONENT

##### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	480.00 LF	\$116.05	\$55,704.00
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	104.00 LF	\$171.65	\$17,851.60
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	24.00 EA	\$2,241.18	\$53,788.32
570-1-1	PERFORMANCE TURF	416.77 SY	\$2.02	\$841.88

#### X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
425-1-701	INLETS, GUTTER, TYPE S, <10'	4.00 EA	\$5,128.69	\$20,514.76

**Drainage Component Total**

**\$148,700.56**

#### 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	\$528.30	\$1,056.60
700-1-12	SINGLE POST SIGN, F&I GM, 12- 20 SF	12.00 AS	\$1,617.22	\$19,406.64
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	2.00 AS	\$6,597.30	\$13,194.60

**Signing Component Total**

**\$33,657.84**

**LIGHTING COMPONENT**

**Rural Lighting Subcomponent**

<b>Description</b>		<b>Value</b>			
Multiplier (Number of Poles)		27			
<b>Pay Items</b>					
<b>Pay item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
630-2-11	CONDUIT, F& I, OPEN TRENCH	5,400.00	LF	\$9.49	\$51,246.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	27.00	EA	\$765.10	\$20,657.70
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	16,200.00	LF	\$2.69	\$43,578.00
715-4-14	LIGHT POLE COMPLETE, F&I-STD, 45'	27.00	EA	\$6,352.63	\$171,521.01
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	27.00	EA	\$462.80	\$12,495.60
<b>Subcomponent Total</b>					<b>\$299,498.31</b>
<b>Lighting Component Total</b>					<b>\$299,498.31</b>

**RETAINING WALLS COMPONENT**

**Retaining Wall 1**

<b>Description</b>	<b>Value</b>
Length	1,563.00
Begin height	16.00
End Height	16.00
Multiplier	1

**Pay Items**

<b>Pay item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
548-12	RET WALL SYSTEM, PERM, EX BARRIER	25,008.00	SF	\$36.27	\$907,040.16

**Retaining Wall 2**

<b>Description</b>	<b>Value</b>
Length	380.00
Begin height	16.00
End Height	16.00
Multiplier	1

**Pay Items**

<b>Pay item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
548-12	RET WALL SYSTEM, PERM, EX BARRIER	6,080.00	SF	\$36.27	\$220,521.60

**Retaining Walls Component Total** \$1,127,561.76

**ARCHITECTURAL COMPONENT**

**EX-Items**

<b>Pay item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
735-5	1-LANE ORT [1 X 2 LANES]	1.00	1	\$875,000.00	\$875,000.00
<b>Comment:</b> New Livingston Road Plaza SB ON RAMP					

**Architectural Component Total** \$875,000.00

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**Sequence 250 Total**\$6,435,941.10

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**Sequence:** 260 WUR - Widen/Resurface, Undivided, Rural**Net Length:** 0.710 MI  
3,750 LF**Description:** SR 429 NB exit Ramp to Bronson Memorial HWY. Includes Toll Plaza and deceleration lane

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**EARTHWORK COMPONENT****User Input Data**

<b>Description</b>	<b>Value</b>
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.710
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
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**

<b>Pay item</b>	<b>Description</b>	<b>Quantity Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
110-1-1	CLEARING & GRUBBING	5.16 AC	\$20,000.00	\$103,200.00
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	3,011.54 CY	\$26.31	\$79,233.62
<b>Earthwork Component Total</b>				<b>\$182,433.62</b>

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**ROADWAY COMPONENT****User Input Data**

<b>Description</b>	<b>Value</b>
Number of Lanes	3
Existing Roadway Pavement Width L/R	0.00 / 20.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 16.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

**Pay Items**

<b>Pay item</b>	<b>Description</b>	<b>Quantity Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
160-4	TYPE B STABILIZATION	14,999.42 SY	\$2.59	\$38,848.50
285-709	OPTIONAL BASE,BASE GROUP 09	6,803.91 SY	\$26.06	\$177,309.89
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	8,333.01 SY	\$5.17	\$43,081.66
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	687.47 TN	\$141.47	\$97,256.38
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	916.63 TN	\$141.47	\$129,675.65
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	333.32 TN	\$240.52	\$80,170.13

337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	549.98 TN	\$240.52	\$132,281.19
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**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
706-1-3	RAISED PAVMT MARK, TYPE B	384.00 EA	\$6.19	\$2,376.96
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	1.42 GM	\$1,303.59	\$1,851.10
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	1.42 GM	\$933.65	\$1,325.78
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	1.42 GM	\$4,552.88	\$6,465.09
711-16-231	THERMOPLASTIC, STD-OTH, YELLOW, SKIP, 6"	1.42 GM	\$2,270.75	\$3,224.46
<b>Roadway Component Total</b>				<b>\$713,866.80</b>

**SHOULDER COMPONENT**

**User Input Data**

Description	Value
Existing Total Outside Shoulder Width L/R	0.00 / 0.00
New Total Outside Shoulder Width L/R	8.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2 No. of Sides	0

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	6,108.10 SY	\$21.79	\$133,095.50
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	320.82 TN	\$141.47	\$45,386.41
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	233.32 TN	\$240.52	\$56,118.13

**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
534-72-101	SOUND/NOISE BARRIER-INC FOUNDATION, PERM	17,270.00 SF	\$31.00	\$535,370.00
<b>Comment:</b> Noise Barrier Wall F: Domain Orlando				

**Erosion Control**

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
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104-10-3	SEDIMENT BARRIER	8,624.67 LF	\$2.70	\$23,286.61
104-11	FLOATING TURBIDITY BARRIER	71.02 LF	\$12.73	\$904.08
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	71.02 LF	\$4.01	\$284.79
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$2,921.89	\$2,921.89
104-18	INLET PROTECTION SYSTEM	2.00 EA	\$169.34	\$338.68
107-1	LITTER REMOVAL	1.72 AC	\$45.28	\$77.88
107-2	MOWING	1.72 AC	\$72.25	\$124.27
<b>Shoulder Component Total</b>				<b>\$797,908.24</b>

#### DRAINAGE COMPONENT

<b>Pay Items</b>				
<b>Pay item</b>	<b>Description</b>	<b>Quantity Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	112.00 LF	\$116.05	\$12,997.60
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	48.00 LF	\$171.65	\$8,239.20
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	8.00 EA	\$2,241.18	\$17,929.44
570-1-1	PERFORMANCE TURF	286.92 SY	\$2.02	\$579.58
<b>Drainage Component Total</b>				<b>\$39,745.82</b>

#### SIGNING COMPONENT

<b>Pay Items</b>				
<b>Pay item</b>	<b>Description</b>	<b>Quantity Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	2.00 AS	\$528.30	\$1,056.60
700-1-12	SINGLE POST SIGN, F&I GM, 12- 20 SF	15.00 AS	\$1,617.22	\$24,258.30
700-1-50	SINGLE POST SIGN, RELOCATE	2.00 AS	\$328.07	\$656.14
700-1-60	SINGLE POST SIGN, REMOVE	15.00 AS	\$118.97	\$1,784.55
700-2-13	MULTI- POST SIGN, F&I GM, 21-30 SF	2.00 AS	\$5,537.31	\$11,074.62
700-2-60	MULTI- POST SIGN, REMOVE	2.00 AS	\$1,051.85	\$2,103.70
<b>Signing Component Total</b>				<b>\$40,933.91</b>

#### ARCHITECTURAL COMPONENT

<b>EX-Items</b>				
<b>Pay item</b>	<b>Description</b>	<b>Quantity Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
735-3	EQUIPMENT REMOVAL FOR EXISTING PLAZA/SITE <b>Comment:</b> Replaces existing US 192 Plaza NB OFF RAMP	1.00 EA	\$1,500.00	\$1,500.00
735-5	1-LANE ORT [1 X 2 LANES] <b>Comment:</b> Replaces existing US 192 Plaza NB OFF RAMP	1.00 EA	\$875,000.00	\$875,000.00
<b>Architectural Component Total</b>				<b>\$876,500.00</b>



Sequence 260 Total

\$2,651,388.39

Sequence: 270 WUR - Widen/Resurface, Undivided, Rural

Net Length: 0.202 MI  
1,064 LF

Description: SR 429 On ramp from Bronson Memorial Hwy

**EARTHWORK COMPONENT**

**User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.202
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
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	1.47	AC	\$20,000.00	\$29,400.00
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	846.14	CY	\$26.31	\$22,261.94
<b>Earthwork Component Total</b>					<b>\$51,661.94</b>

**ROADWAY COMPONENT**

**User Input Data**

Description	Value
Number of Lanes	2
Existing Roadway Pavement Width L/R	0.00 / 9.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 15.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	4,137.47	SY	\$2.59	\$10,716.05
285-709	OPTIONAL BASE,BASE GROUP 09	1,812.21	SY	\$26.06	\$47,226.19
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	1,063.92	SY	\$5.17	\$5,500.47
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	87.77	TN	\$141.47	\$12,416.82
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	243.81	TN	\$141.47	\$34,491.80
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	42.56	TN	\$240.52	\$10,236.53
337-7-83	ASPH CONC FC,TRAFFIC C,FC-	146.29	TN	\$240.52	\$35,185.67

**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
706-1-3	RAISED PAVMT MARK, TYPE B	27.00	EA	\$6.19	\$167.13
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.40	GM	\$1,303.59	\$521.44
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.20	GM	\$933.65	\$186.73
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.40	GM	\$4,552.88	\$1,821.15
711-16-231	THERMOPLASTIC, STD-OTH, YELLOW, SKIP, 6"	0.20	GM	\$2,270.75	\$454.15
<b>Roadway Component Total</b>					<b>\$158,924.13</b>

**SHOULDER COMPONENT****User Input Data**

Description	Value
Existing Total Outside Shoulder Width L/R	0.00 / 0.00
New Total Outside Shoulder Width L/R	8.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2 No. of Sides	0

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	1,733.01	SY	\$21.79	\$37,762.29
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	91.02	TN	\$141.47	\$12,876.60
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	66.20	TN	\$240.52	\$15,922.42

**X-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-6	SHOULDER GUTTER- CONCRETE	900.00	LF	\$29.95	\$26,955.00

**Erosion Control****Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	2,447.02	LF	\$2.70	\$6,606.95
104-11	FLOATING TURBIDITY BARRIER	20.15	LF	\$12.73	\$256.51
104-12	STAKED TURBIDITY BARRIER-	20.15	LF	\$4.01	\$80.80

	NYL REINF PVC			
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$2,921.89	\$2,921.89
104-18	INLET PROTECTION SYSTEM	1.00 EA	\$169.34	\$169.34
107-1	LITTER REMOVAL	0.49 AC	\$45.28	\$22.19
107-2	MOWING	0.49 AC	\$72.25	\$35.40
<b>Shoulder Component Total</b>				\$103,609.39

**DRAINAGE COMPONENT**

<b>Pay Items</b>				
<b>Pay item</b>	<b>Description</b>	<b>Quantity Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	32.00 LF	\$116.05	\$3,713.60
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	16.00 LF	\$171.65	\$2,746.40
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	3.00 EA	\$2,241.18	\$6,723.54
570-1-1	PERFORMANCE TURF	81.41 SY	\$2.02	\$164.45
<b>Drainage Component Total</b>				\$13,347.99

**SIGNING COMPONENT**

<b>Pay Items</b>				
<b>Pay item</b>	<b>Description</b>	<b>Quantity Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	1.00 AS	\$528.30	\$528.30
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	5.00 AS	\$1,617.22	\$8,086.10
700-1-50	SINGLE POST SIGN, RELOCATE	1.00 AS	\$328.07	\$328.07
700-1-60	SINGLE POST SIGN, REMOVE	5.00 AS	\$118.97	\$594.85
700-2-13	MULTI- POST SIGN, F&I GM, 21-30 SF	1.00 AS	\$5,537.31	\$5,537.31
700-2-60	MULTI- POST SIGN, REMOVE	1.00 AS	\$1,051.85	\$1,051.85
<b>Signing Component Total</b>				\$16,126.48

**LIGHTING COMPONENT**

**Rural Lighting Subcomponent**

<b>Description</b>	<b>Value</b>			
Multiplier (Number of Poles)	5			
<b>Pay Items</b>				
<b>Pay item</b>	<b>Description</b>	<b>Quantity Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,000.00 LF	\$9.49	\$9,490.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	5.00 EA	\$765.10	\$3,825.50
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	3,000.00 LF	\$2.69	\$8,070.00
715-4-14	LIGHT POLE COMPLETE, F&I- STD, 45'	5.00 EA	\$6,352.63	\$31,763.15
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	5.00 EA	\$462.80	\$2,314.00
<b>Subcomponent Total</b>				\$55,462.65
<b>Lighting Component Total</b>				\$55,462.65

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**Sequence 270 Total** \$399,132.58

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**Sequence:** 281 NUR - New Construction, Undivided, Rural

**Net Length:** 0.071 MI  
372 LF

**Description:** (1 of 2) SR 429 SB Exit Ramp to Bronson Memorial HWY

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### EARTHWORK COMPONENT

#### User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	50.00 / 50.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.070
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	0.85	AC	\$20,000.00	\$17,000.00
120-6	EMBANKMENT	3,961.70	CY	\$21.01	\$83,235.32
<b>Earthwork Component Total</b>					<b>\$100,235.32</b>

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### ROADWAY COMPONENT

#### User Input Data

Description	Value
Number of Lanes	6
Roadway Pavement Width L/R	0.00 / 72.00
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	3,805.12	SY	\$2.59	\$9,855.26
285-709	OPTIONAL BASE,BASE GROUP 09	2,991.57	SY	\$26.06	\$77,960.31
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	409.46	TN	\$141.47	\$57,926.31
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	245.68	TN	\$240.52	\$59,090.95

#### 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

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	67.00 EA	\$6.19	\$414.73
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.14 GM	\$1,303.59	\$182.50
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.35 GM	\$933.65	\$326.78
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.14 GM	\$4,552.88	\$637.40
711-16-231	THERMOPLASTIC, STD-OTH, YELLOW, SKIP, 6"	0.35 GM	\$2,270.75	\$794.76
<b>Roadway Component Total</b>				<b>\$207,189.00</b>

**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	0.00 / 0.00
Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	165
Total Width (T) / 8" Overlap (O)	T
Rumble Strips $\bar{i}$ $\frac{1}{2}$ No. of Sides	2

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	606.34 SY	\$21.79	\$13,212.15
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	31.85 TN	\$141.47	\$4,505.82
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	47.77 TN	\$240.52	\$11,489.64
546-72-1	GROUND-IN RUMBLE STRIPS, 16"	0.14 GM	\$1,446.19	\$202.47

**Erosion Control****Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	967.82 LF	\$2.70	\$2,613.11
104-11	FLOATING TURBIDITY BARRIER	17.62 LF	\$12.73	\$224.30
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	17.62 LF	\$4.01	\$70.66
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$2,921.89	\$2,921.89
107-1	LITTER REMOVAL	0.85 AC	\$45.28	\$38.49
107-2	MOWING	0.85 AC	\$72.25	\$61.41
<b>Shoulder Component Total</b>				<b>\$35,339.94</b>

**DRAINAGE COMPONENT****Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	64.00 LF	\$116.05	\$7,427.20

430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	16.00 LF	\$171.65	\$2,746.40
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	3.00 EA	\$2,241.18	\$6,723.54
570-1-1	PERFORMANCE TURF	49.63 SY	\$2.02	\$100.25
<b>Drainage Component Total</b>				<b>\$16,997.39</b>

**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	\$528.30	\$528.30
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	2.00 AS	\$1,617.22	\$3,234.44
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	1.00 AS	\$6,597.30	\$6,597.30
<b>Signing Component Total</b>				<b>\$10,360.04</b>

**Sequence 281 Total** **\$370,121.69**

**Sequence:** 282 NUR - New Construction, Undivided, Rural **Net Length:** 0.350 MI  
**Description:** (2 of 2) SR 429 SB Ramp to Bronson Memorial HWY 1,850 LF

**EARTHWORK COMPONENT**

**User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	50.00 / 50.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.350
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	4.24 AC	\$20,000.00	\$84,800.00
120-6	EMBANKMENT	14,315.16 CY	\$21.01	\$300,761.51
<b>Earthwork Component Total</b>				<b>\$385,561.51</b>

**ROADWAY COMPONENT**

**User Input Data**

Description	Value
Number of Lanes	3
Roadway Pavement Width L/R	0.00 / 36.00

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	11,511.81	SY	\$2.59	\$29,815.59
285-709	OPTIONAL BASE,BASE GROUP 09	7,468.29	SY	\$26.06	\$194,623.64
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,017.56	TN	\$141.47	\$143,954.21
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	610.54	TN	\$240.52	\$146,847.08

**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
706-1-3	RAISED PAVMT MARK, TYPE B	189.00	EA	\$6.19	\$1,169.91
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.70	GM	\$1,303.59	\$912.51
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.70	GM	\$933.65	\$653.56
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.70	GM	\$4,552.88	\$3,187.02
711-16-231	THERMOPLASTIC, STD-OTH, YELLOW, SKIP, 6"	0.70	GM	\$2,270.75	\$1,589.52

**Roadway Component Total** \$522,753.05

**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	0.00 / 0.00
Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	165
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2 No. of Sides	2

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	3,013.63	SY	\$21.79	\$65,667.00
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	158.29	TN	\$141.47	\$22,393.29
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	237.43	TN	\$240.52	\$57,106.66
546-72-1	GROUND-IN RUMBLE STRIPS, 16"	0.70	GM	\$1,446.19	\$1,012.33

**Erosion Control**

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	4,810.29	LF	\$2.70	\$12,987.78
104-11	FLOATING TURBIDITY BARRIER	87.60	LF	\$12.73	\$1,115.15
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	87.60	LF	\$4.01	\$351.28
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,921.89	\$2,921.89
107-1	LITTER REMOVAL	4.25	AC	\$45.28	\$192.44
107-2	MOWING	4.25	AC	\$72.25	\$307.06
<b>Shoulder Component Total</b>					<b>\$164,054.88</b>

**DRAINAGE COMPONENT****Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	288.00	LF	\$116.05	\$33,422.40
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	64.00	LF	\$171.65	\$10,985.60
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	15.00	EA	\$2,241.18	\$33,617.70
570-1-1	PERFORMANCE TURF	246.68	SY	\$2.02	\$498.29
<b>Drainage Component Total</b>					<b>\$78,523.99</b>

**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	\$528.30	\$528.30
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	8.00	AS	\$1,617.22	\$12,937.76
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	1.00	AS	\$6,597.30	\$6,597.30
<b>Signing Component Total</b>					<b>\$20,063.36</b>

**Sequence 282 Total** **\$1,170,956.79**

**Sequence:** 290 RSU - Resurfacing, Undivided

**Net Length:** 0.363 MI  
1,915 LF

**Description:** SR 429 SB Entrance Ramp from Bronson Memorial HWY. Includes Toll Plaza

**ROADWAY COMPONENT****User Input Data**

Description	Value
Number of Lanes	2
Roadway Pavement Width L/R	0.00 / 26.00
Structural Spread Rate	275
Friction Course Spread Rate	165

**Pay Items**



Pay item	Description	Quantity Unit	Unit Price	Extended Amount
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	5,532.38 SY	\$5.17	\$28,602.40
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	760.70 TN	\$141.47	\$107,616.23
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	456.42 TN	\$240.52	\$109,778.14

**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
710-11-101	PAINTED PAVT MARK, STD, WHITE, SOLID, 6"	0.06 GM	\$1,303.59	\$78.22
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.06 GM	\$4,552.88	\$273.17

**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
706-1-1	RAISED PAVMT MARK, TYPE B W/O FINAL SURF	49.00 EA	\$12.38	\$606.62
710-11-101	PAINTED PAVT MARK, STD, WHITE, SOLID, 6"	0.73 GM	\$1,303.59	\$951.62
710-11-231	PAINTED PAVT MARK, STD, YELLOW, SKIP, 6"	0.36 GM	\$933.65	\$336.11
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.73 GM	\$4,552.88	\$3,323.60
711-16-231	THERMOPLASTIC, STD-OTH, YELLOW, SKIP, 6"	0.36 GM	\$2,270.75	\$817.47
<b>Roadway Component Total</b>				<b>\$252,383.58</b>

**SHOULDER COMPONENT**

**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	6.00 / 10.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Paved Outside Shoulder Width L/R	6.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2 No. of Sides	2

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
327-70-1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	3,404.54 SY	\$7.71	\$26,249.00
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	187.25 TN	\$141.47	\$26,490.26
337-7-83	ASPH CONC FC, TRAFFIC C, FC-	136.18 TN	\$240.52	\$32,754.01

	12.5,PG 76-22			
546-72-1	GROUND-IN RUMBLE STRIPS, 16"	0.73 GM	\$1,446.19	\$1,055.72

**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
520-6	SHOULDER GUTTER- CONCRETE	300.00 LF	\$29.95	\$8,985.00

**Erosion Control**

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-11	FLOATING TURBIDITY BARRIER	36.27 LF	\$12.73	\$461.72
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	36.27 LF	\$4.01	\$145.44
104-18	INLET PROTECTION SYSTEM	1.00 EA	\$169.34	\$169.34
107-1	LITTER REMOVAL	0.88 AC	\$45.28	\$39.85
107-2	MOWING	0.88 AC	\$72.25	\$63.58

**Shoulder Component Total** \$96,413.92

**ARCHITECTURAL COMPONENT**

**EX-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
735-3	EQUIPMENT REMOVAL FOR EXISTING PLAZA/SITE <b>Comment:</b> Replaces existing US 192 Plaza SB ON RAMP	1.00 EA	\$1,500.00	\$1,500.00
735-4	2-LANE ORT [2 X 2 LANES] <b>Comment:</b> Replaces existing US 192 Plaza SB ON RAMP	1.00 EA	\$1,105,000.00	\$1,105,000.00

**Architectural Component Total** \$1,106,500.00

**Sequence 290 Total** \$1,455,297.50

**Sequence:** 301 WDU - Widen/Resurface, Divided, Urban **Net Length:** 0.964 MI  
5,090 LF

**Description:** Roadway reconstruction for Bronson Memorial Highway Crossing SR 492. Includes 4  
Signalized Intersections.

**EARTHWORK COMPONENT**

**User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	50.00 / 50.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	1.180
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Median Shoulder Cross Slope L/R	4.00 % / 4.00 %
Existing Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
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	11.68 AC	\$20,000.00	\$233,600.00
120-1	REGULAR EXCAVATION	2,182.95 CY	\$14.07	\$30,714.11
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	17,722.03 CY	\$26.31	\$466,266.61
<b>Earthwork Component Total</b>				<b>\$730,580.72</b>

#### ROADWAY COMPONENT

##### User Input Data

Description	Value
Number of Lanes	11
Existing Roadway Pavement Width L/R	50.75 / 45.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	8.50 / 15.00
Widened Inside Pavement Width L/R	1.75 / 1.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

#### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	20,682.04 SY	\$2.59	\$53,566.48
285-709	OPTIONAL BASE,BASE GROUP 09	15,592.12 SY	\$26.06	\$406,330.65
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	54,151.09 SY	\$5.17	\$279,961.14
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	4,467.47 TN	\$141.47	\$632,012.98
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	2,041.27 TN	\$141.47	\$288,778.47
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	2,166.04 TN	\$240.52	\$520,975.94
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	1,224.76 TN	\$240.52	\$294,579.28

#### 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	9

#### Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-1-1	RAISED PAVMT MARK, TYPE B W/O FINAL SURF	1,301.00 EA	\$12.38	\$16,106.38
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	3.86 GM	\$1,303.59	\$5,031.86
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	8.68 GM	\$438.24	\$3,803.92

711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	3.86 GM	\$4,552.88	\$17,574.12
711-16-131	THERMOPLASTIC, STD-OTH, WHITE, SKIP, 6"	8.68 GM	\$2,860.82	\$24,831.92
<b>Roadway Component Total</b>				<b>\$2,543,553.14</b>

### SHOULDER COMPONENT

#### User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	2.00 / 2.00
New Total Outside Shoulder Width L/R	7.25 / 7.25
Total Outside Shoulder Perf. Turf Width L/R	5.00 / 5.00
Sidewalk Width L/R	0.00 / 0.00

#### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	5,089.92	LF	\$30.43	\$154,886.27
520-1-10	CONCRETE CURB & GUTTER, TYPE F	5,089.92	LF	\$30.43	\$154,886.27
570-1-1	PERFORMANCE TURF	5,655.47	SY	\$2.02	\$11,424.05

#### X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	2,667.00	SY	\$203.42	\$542,521.14

#### Erosion Control

##### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	10,179.84	LF	\$2.70	\$27,485.57
104-11	FLOATING TURBIDITY BARRIER	96.40	LF	\$12.73	\$1,227.17
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	96.40	LF	\$4.01	\$386.56
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,921.89	\$2,921.89
104-18	INLET PROTECTION SYSTEM	45.00	EA	\$169.34	\$7,620.30
107-1	LITTER REMOVAL	8.41	AC	\$45.28	\$380.80
107-2	MOWING	8.41	AC	\$72.25	\$607.62

**Shoulder Component Total** **\$904,347.64**

### MEDIAN COMPONENT

#### User Input Data

Description	Value
Total Median Width	15.00
Performance Turf Width	11.00

#### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	10,179.84	LF	\$30.43	\$309,772.53
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	1,200.00	LF	\$54.37	\$65,244.00

570-1-1	PERFORMANCE TURF	6,221.01 SY	\$2.02	\$12,566.44
<b>Median Component Total</b>				<b>\$387,582.97</b>

**DRAINAGE COMPONENT**

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
425-1-351	INLETS, CURB, TYPE P-5, <10'	35.00	EA	\$5,264.85	\$184,269.75
425-1-451	INLETS, CURB, TYPE J-5, <10'	10.00	EA	\$9,698.46	\$96,984.60
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	536.00	LF	\$120.00	\$64,320.00
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	160.00	LF	\$171.65	\$27,464.00
570-1-1	PERFORMANCE TURF	293.06	SY	\$2.02	\$591.98
<b>Drainage Component Total</b>					<b>\$373,630.33</b>

**SIGNING COMPONENT**

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	22.00	AS	\$528.30	\$11,622.60
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	2.00	AS	\$1,617.22	\$3,234.44
700-1-50	SINGLE POST SIGN, RELOCATE	2.00	AS	\$328.07	\$656.14
700-1-60	SINGLE POST SIGN, REMOVE	22.00	AS	\$118.97	\$2,617.34
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	2.00	AS	\$6,597.30	\$13,194.60
700-2-60	MULTI- POST SIGN, REMOVE	2.00	AS	\$1,051.85	\$2,103.70
<b>Signing Component Total</b>					<b>\$33,428.82</b>

**SIGNALIZATIONS COMPONENT**

**Signalization 1**

<b>Description</b>	<b>Value</b>
Type	4 Lane Mast Arm
Multiplier	1
Description	Bronson Memorial Highway Intersection with SR 429 North Entrance and Exit Ramps

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	750.00	LF	\$9.49	\$7,117.50
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	250.00	LF	\$22.53	\$5,632.50
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$8,368.88	\$8,368.88
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	16.00	EA	\$765.10	\$12,241.60
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	\$4,122.68	\$4,122.68
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00	LF	\$7.57	\$454.20
649-21-14	STEEL MAST ARM ASSEMBLY, F&I, 60'- 60'	1.00	EA	\$73,423.25	\$73,423.25

649-21-21	STEEL MAST ARM ASSEMBLY, F&I, 78'	1.00 EA	\$93,129.04	\$93,129.04
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	12.00 AS	\$1,469.23	\$17,630.76
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00 AS	\$856.59	\$6,852.72
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	12.00 EA	\$330.47	\$3,965.64
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	12.00 AS	\$1,408.24	\$16,898.88
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00 EA	\$326.91	\$2,615.28
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00 AS	\$34,261.40	\$34,261.40
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00 EA	\$433.11	\$1,732.44

**Signalization 2**

<b>Description</b>	<b>Value</b>
Type	4 Lane Mast Arm
Multiplier	1
Description	Bronson Memorial Highway Intersection with SR 429 South Entrance and Exit Ramps

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	750.00	LF	\$9.49	\$7,117.50
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	250.00	LF	\$22.53	\$5,632.50
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$8,368.88	\$8,368.88
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	16.00	EA	\$765.10	\$12,241.60
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	\$4,122.68	\$4,122.68
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00	LF	\$7.57	\$454.20
649-21-10	STEEL MAST ARM ASSEMBLY, F&I, 60'	1.00	EA	\$68,710.55	\$68,710.55
649-21-12	STEEL MAST ARM ASSEMBLY, F&I, 60'- 40'	1.00	EA	\$89,488.02	\$89,488.02
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	12.00	AS	\$1,469.23	\$17,630.76
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00	AS	\$856.59	\$6,852.72
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	12.00	EA	\$330.47	\$3,965.64
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	12.00	AS	\$1,408.24	\$16,898.88
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00	EA	\$326.91	\$2,615.28
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00	AS	\$34,261.40	\$34,261.40
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00	EA	\$433.11	\$1,732.44

**Signalization 3**

<b>Description</b>	<b>Value</b>
Type	4 Lane Mast Arm
Multiplier	1
Description	Bronson Memorial Highway Intersection with Rolling Oaks Blvd

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	375.00	LF	\$9.49	\$3,558.75
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	125.00	LF	\$22.53	\$2,816.25
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$8,368.88	\$8,368.88
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	8.00	EA	\$765.10	\$6,120.80
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	\$4,122.68	\$4,122.68
639-2-1	ELECTRICAL SERVICE WIRE, F&I	30.00	LF	\$7.57	\$227.10
649-21-10	STEEL MAST ARM ASSEMBLY, F&I, 60'	2.00	EA	\$68,710.55	\$137,421.10
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	6.00	AS	\$1,469.23	\$8,815.38
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	5.00	AS	\$856.59	\$4,282.95
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	6.00	EA	\$330.47	\$1,982.82
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	6.00	AS	\$1,408.24	\$8,449.44
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	4.00	EA	\$326.91	\$1,307.64
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00	AS	\$34,261.40	\$34,261.40
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	2.00	EA	\$433.11	\$866.22
<b>Signalizations Component Total</b>					<b>\$791,141.23</b>

**Sequence 301 Total**

\$5,764,264.85

**Sequence:** 302 WDU - Widen/Resurface, Divided, Urban**Net Length:**0.106 MI  
562 LF**Description:** Orange Lake Blvd Reconstruction near intersection with Bronson Memorial Hwy**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	25.00 / 25.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.106
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Median Shoulder Cross Slope L/R	4.00 % / 4.00 %
Existing Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
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	0.64	AC	\$20,000.00	\$12,800.00

120-2-2	BORROW EXCAVATION, TRUCK MEASURE	1,120.19 CY	\$26.31	\$29,472.20
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<b>Earthwork Component Total</b>				<b>\$42,272.20</b>
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**ROADWAY COMPONENT**

**User Input Data**

<b>Description</b>	<b>Value</b>
Number of Lanes	3
Existing Roadway Pavement Width L/R	0.00 / 26.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 10.00
Widened Inside Pavement Width L/R	0.00 / 0.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

**Pay Items**

<b>Pay item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
160-4	TYPE B STABILIZATION	785.26	SY	\$2.59	\$2,033.82
285-709	OPTIONAL BASE,BASE GROUP 09	644.81	SY	\$26.06	\$16,803.75
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	1,622.95	SY	\$5.17	\$8,390.65
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	133.89	TN	\$141.47	\$18,941.42
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	85.83	TN	\$141.47	\$12,142.37
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	64.92	TN	\$240.52	\$15,614.56
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	51.50	TN	\$240.52	\$12,386.78

**Pavement Marking Subcomponent**

<b>Description</b>	<b>Value</b>
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	1

**Pay Items**

<b>Pay item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
706-1-3	RAISED PAVMT MARK, TYPE B	29.00	EA	\$6.19	\$179.51
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.43	GM	\$1,303.59	\$560.54
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	0.11	GM	\$438.24	\$48.21
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.43	GM	\$4,552.88	\$1,957.74
711-16-131	THERMOPLASTIC, STD-OTH, WHITE, SKIP, 6"	0.11	GM	\$2,860.82	\$314.69

<b>Roadway Component Total</b>				<b>\$89,374.04</b>
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**SHOULDER COMPONENT**



**User Input Data**

<b>Description</b>	<b>Value</b>
Existing Total Outside Shoulder Width L/R	0.00 / 0.00
New Total Outside Shoulder Width L/R	2.50 / 8.25
Total Outside Shoulder Perf. Turf Width L/R	0.25 / 0.00
Sidewalk Width L/R	0.00 / 6.00

**Pay Items**

<b>Pay item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
520-1-10	CONCRETE CURB & GUTTER, TYPE F	561.79	LF	\$30.43	\$17,095.27
520-1-10	CONCRETE CURB & GUTTER, TYPE F	561.79	LF	\$30.43	\$17,095.27
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	374.53	SY	\$203.42	\$76,186.89
570-1-1	PERFORMANCE TURF	15.61	SY	\$2.02	\$31.53

**Erosion Control****Pay Items**

<b>Pay item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
104-10-3	SEDIMENT BARRIER	1,123.58	LF	\$2.70	\$3,033.67
104-11	FLOATING TURBIDITY BARRIER	10.64	LF	\$12.73	\$135.45
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	10.64	LF	\$4.01	\$42.67
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,921.89	\$2,921.89
104-18	INLET PROTECTION SYSTEM	5.00	EA	\$169.34	\$846.70
107-1	LITTER REMOVAL	0.93	AC	\$45.28	\$42.11
107-2	MOWING	0.93	AC	\$72.25	\$67.19
<b>Shoulder Component Total</b>					<b>\$117,498.64</b>

**MEDIAN COMPONENT****User Input Data**

<b>Description</b>	<b>Value</b>
Total Median Width	24.00
Performance Turf Width	24.00

**Pay Items**

<b>Pay item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
520-5-12	TRAF SEP CONC-TYPE I, 6' WIDE	80.00	LF	\$129.95	\$10,396.00
570-1-1	PERFORMANCE TURF	1,498.11	SY	\$2.02	\$3,026.18
<b>Median Component Total</b>					<b>\$13,422.18</b>

**DRAINAGE COMPONENT****Pay Items**

<b>Pay item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
425-1-351	INLETS, CURB, TYPE P-5, <10'	4.00	EA	\$5,264.85	\$21,059.40
425-1-451	INLETS, CURB, TYPE J-5, <10'	2.00	EA	\$9,698.46	\$19,396.92
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	64.00	LF	\$120.00	\$7,680.00
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	24.00	LF	\$171.65	\$4,119.60

570-1-1	PERFORMANCE TURF	32.35 SY	\$2.02	\$65.35
<b>Drainage Component Total</b>				<b>\$52,321.27</b>

**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	\$528.30	\$1,584.90
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	1.00	AS	\$1,617.22	\$1,617.22
700-1-50	SINGLE POST SIGN, RELOCATE	1.00	AS	\$328.07	\$328.07
700-1-60	SINGLE POST SIGN, REMOVE	3.00	AS	\$118.97	\$356.91
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	1.00	AS	\$6,597.30	\$6,597.30
700-2-60	MULTI- POST SIGN, REMOVE	1.00	AS	\$1,051.85	\$1,051.85
<b>Signing Component Total</b>					<b>\$11,536.25</b>

**Sequence 302 Total** **\$326,424.58**

**Sequence:** 311 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.225 MI  
1,190 LF  
**Description:** (1 of 2)SR 429 NB Exit Ramp to Western Way

**EARTHWORK COMPONENT**

**User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.225
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
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	1.64	AC	\$20,000.00	\$32,800.00
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	881.76	CY	\$26.31	\$23,199.11
<b>Earthwork Component Total</b>					<b>\$55,999.11</b>

**ROADWAY COMPONENT**

**User Input Data**

Description	Value
Number of Lanes	2
Existing Roadway Pavement Width L/R	0.00 / 13.40
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 10.60
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

#### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	4,046.38	SY	\$2.59	\$10,480.12
285-709	OPTIONAL BASE,BASE GROUP 09	1,445.32	SY	\$26.06	\$37,665.04
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	1,771.94	SY	\$5.17	\$9,160.93
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	146.19	TN	\$141.47	\$20,681.50
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	192.73	TN	\$141.47	\$27,265.51
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	70.88	TN	\$240.52	\$17,048.06
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	115.64	TN	\$240.52	\$27,813.73

#### 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
706-1-3	RAISED PAVMT MARK, TYPE B	30.00	EA	\$6.19	\$185.70
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.45	GM	\$1,303.59	\$586.62
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.23	GM	\$933.65	\$214.74
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.45	GM	\$4,552.88	\$2,048.80
711-16-231	THERMOPLASTIC, STD-OTH, YELLOW, SKIP, 6"	0.23	GM	\$2,270.75	\$522.27

#### Roadway Component Total

\$153,673.02

### SHOULDER COMPONENT

#### User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	0.00 / 0.00
New Total Outside Shoulder Width L/R	8.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80

Total Width (T) / 8" Overlap (O)  
Rumble Strips 1/2 No. of Sides

T  
0

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	1,938.56	SY	\$21.79	\$42,241.22
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	101.82	TN	\$141.47	\$14,404.48
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	74.05	TN	\$240.52	\$17,810.51

**Erosion Control**

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	2,737.26	LF	\$2.70	\$7,390.60
104-11	FLOATING TURBIDITY BARRIER	22.54	LF	\$12.73	\$286.93
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	22.54	LF	\$4.01	\$90.39
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,921.89	\$2,921.89
104-18	INLET PROTECTION SYSTEM	1.00	EA	\$169.34	\$169.34
107-1	LITTER REMOVAL	0.55	AC	\$45.28	\$24.90
107-2	MOWING	0.55	AC	\$72.25	\$39.74
<b>Shoulder Component Total</b>					<b>\$85,380.00</b>

**DRAINAGE COMPONENT**

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	40.00	LF	\$116.05	\$4,642.00
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	16.00	LF	\$171.65	\$2,746.40
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	3.00	EA	\$2,241.18	\$6,723.54
570-1-1	PERFORMANCE TURF	91.06	SY	\$2.02	\$183.94
<b>Drainage Component Total</b>					<b>\$14,295.88</b>

**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	\$528.30	\$528.30
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	5.00	AS	\$1,617.22	\$8,086.10
700-1-50	SINGLE POST SIGN, RELOCATE	1.00	AS	\$328.07	\$328.07
700-1-60	SINGLE POST SIGN, REMOVE	5.00	AS	\$118.97	\$594.85
700-2-13	MULTI- POST SIGN, F&I GM, 21-30 SF	1.00	AS	\$5,537.31	\$5,537.31
700-2-60	MULTI- POST SIGN, REMOVE	1.00	AS	\$1,051.85	\$1,051.85
<b>Signing Component Total</b>					<b>\$16,126.48</b>

**LIGHTING COMPONENT**

**Rural Lighting Subcomponent**

<b>Description</b>		<b>Value</b>
Multiplier (Number of Poles)		5
<b>Pay Items</b>		
<b>Pay item</b>	<b>Description</b>	<b>Quantity Unit Unit Price Extended Amount</b>
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,000.00 LF \$9.49 \$9,490.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	5.00 EA \$765.10 \$3,825.50
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	3,000.00 LF \$2.69 \$8,070.00
715-4-14	LIGHT POLE COMPLETE, F&I-STD, 45'	5.00 EA \$6,352.63 \$31,763.15
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	5.00 EA \$462.80 \$2,314.00
<b>Subcomponent Total</b>		<b>\$55,462.65</b>
<b>Lighting Component Total</b>		<b>\$55,462.65</b>

**Sequence 311 Total** \$380,937.14

**Sequence:** 312 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.369 MI  
**Description:** (2 of 2)SR 429 NB Exit Ramp to Western Way 1,948 LF

**EARTHWORK COMPONENT**

**User Input Data**

<b>Description</b>	<b>Value</b>
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.369
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
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**

<b>Pay item</b>	<b>Description</b>	<b>Quantity Unit Unit Price Extended Amount</b>
110-1-1	CLEARING & GRUBBING	2.68 AC \$20,000.00 \$53,600.00
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	1,673.39 CY \$26.31 \$44,026.89
<b>Earthwork Component Total</b>		<b>\$97,626.89</b>

**ROADWAY COMPONENT**

**User Input Data**

<b>Description</b>	<b>Value</b>
Number of Lanes	5

Existing Roadway Pavement Width L/R	0.00 / 36.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 24.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

#### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	9,522.54	SY	\$2.59	\$24,663.38
285-709	OPTIONAL BASE,BASE GROUP 09	5,265.53	SY	\$26.06	\$137,219.71
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	7,791.17	SY	\$5.17	\$40,280.35
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	642.77	TN	\$141.47	\$90,932.67
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	714.19	TN	\$141.47	\$101,036.46
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	311.65	TN	\$240.52	\$74,958.06
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	428.51	TN	\$240.52	\$103,065.23

#### 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	4

#### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-1	RAISED PAVMT MARK, TYPE B W/O FINAL SURF	299.00	EA	\$12.38	\$3,701.62
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.74	GM	\$1,303.59	\$964.66
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	1.48	GM	\$933.65	\$1,381.80
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.74	GM	\$4,552.88	\$3,369.13
711-16-231	THERMOPLASTIC, STD-OTH, YELLOW, SKIP, 6"	1.48	GM	\$2,270.75	\$3,360.71
<b>Roadway Component Total</b>					<b>\$584,933.78</b>

#### SHOULDER COMPONENT

##### User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	0.00 / 0.00
New Total Outside Shoulder Width L/R	8.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	3,172.74	SY	\$21.79	\$69,134.00
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	166.64	TN	\$141.47	\$23,574.56
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	121.20	TN	\$240.52	\$29,151.02

**X-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	1,280.00	LF	\$30.43	\$38,950.40

**Erosion Control****Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	4,479.92	LF	\$2.70	\$12,095.78
104-11	FLOATING TURBIDITY BARRIER	36.89	LF	\$12.73	\$469.61
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	36.89	LF	\$4.01	\$147.93
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,921.89	\$2,921.89
104-18	INLET PROTECTION SYSTEM	1.00	EA	\$169.34	\$169.34
107-1	LITTER REMOVAL	0.89	AC	\$45.28	\$40.30
107-2	MOWING	0.89	AC	\$72.25	\$64.30

**Shoulder Component Total**

\$176,719.13

**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	\$116.05	\$6,498.80
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	24.00	LF	\$171.65	\$4,119.60
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	4.00	EA	\$2,241.18	\$8,964.72
570-1-1	PERFORMANCE TURF	149.04	SY	\$2.02	\$301.06

**Drainage Component Total**

\$19,884.18

**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	\$528.30	\$528.30
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	8.00	AS	\$1,617.22	\$12,937.76
700-1-50	SINGLE POST SIGN, RELOCATE	1.00	AS	\$328.07	\$328.07
700-1-60	SINGLE POST SIGN, REMOVE	8.00	AS	\$118.97	\$951.76
700-2-13	MULTI- POST SIGN, F&I GM, 21-30 SF	1.00	AS	\$5,537.31	\$5,537.31
700-2-60	MULTI- POST SIGN, REMOVE	1.00	AS	\$1,051.85	\$1,051.85

**Signing Component Total**

\$21,335.05

**LIGHTING COMPONENT**

**Rural Lighting Subcomponent**

<b>Description</b>				<b>Value</b>	
Multiplier (Number of Poles)				4	
<b>Pay Items</b>					
<b>Pay item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
630-2-11	CONDUIT, F& I, OPEN TRENCH	800.00	LF	\$9.49	\$7,592.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	4.00	EA	\$765.10	\$3,060.40
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	2,400.00	LF	\$2.69	\$6,456.00
715-4-14	LIGHT POLE COMPLETE, F&I-STD, 45'	4.00	EA	\$6,352.63	\$25,410.52
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	4.00	EA	\$462.80	\$1,851.20
<b>Subcomponent Total</b>					<b>\$44,370.12</b>
<b>Lighting Component Total</b>					<b>\$44,370.12</b>

**Sequence 312 Total**

\$944,869.15

**Sequence:** 320 WUR - Widen/Resurface, Undivided, Rural

**Net Length:** 0.423 MI  
2,231 LF

**Description:** SR 429 NB Entrance Ramp from Western Way

**EARTHWORK COMPONENT**

**User Input Data**

<b>Description</b>	<b>Value</b>
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.369
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
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**

<b>Pay item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
110-1-1	CLEARING & GRUBBING	3.07	AC	\$20,000.00	\$61,400.00
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	1,648.13	CY	\$26.31	\$43,362.30
<b>Earthwork Component Total</b>					<b>\$104,762.30</b>



**ROADWAY COMPONENT**

**User Input Data**

Description	Value
Number of Lanes	3
Existing Roadway Pavement Width L/R	0.00 / 18.88
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 17.12
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	9,200.81 SY	\$2.59	\$23,830.10
285-709	OPTIONAL BASE,BASE GROUP 09	4,325.27 SY	\$26.06	\$112,716.54
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	4,679.72 SY	\$5.17	\$24,194.15
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	386.08 TN	\$141.47	\$54,618.74
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	583.48 TN	\$141.47	\$82,544.92
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	187.19 TN	\$240.52	\$45,022.94
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	350.09 TN	\$240.52	\$84,203.65

**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
706-1-1	RAISED PAVMT MARK, TYPE B W/O FINAL SURF	228.00 EA	\$12.38	\$2,822.64
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.84 GM	\$1,303.59	\$1,095.02
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.84 GM	\$933.65	\$784.27
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.84 GM	\$4,552.88	\$3,824.42
711-16-231	THERMOPLASTIC, STD-OTH, YELLOW, SKIP, 6"	0.84 GM	\$2,270.75	\$1,907.43

**Roadway Component Total** \$437,564.82

**SHOULDER COMPONENT**

**User Input Data**

Description	Value
Existing Total Outside Shoulder Width L/R	0.00 / 0.00
New Total Outside Shoulder Width L/R	12.00 / 8.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00

New Paved Outside Shoulder Width L/R	10.00 / 4.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2No. of Sides	0

#### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	3,633.73	SY	\$21.79	\$79,178.98
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	190.86	TN	\$141.47	\$27,000.96
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	138.81	TN	\$240.52	\$33,386.58

#### Erosion Control

##### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	5,130.84	LF	\$2.70	\$13,853.27
104-11	FLOATING TURBIDITY BARRIER	42.25	LF	\$12.73	\$537.84
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	42.25	LF	\$4.01	\$169.42
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,921.89	\$2,921.89
104-18	INLET PROTECTION SYSTEM	1.00	EA	\$169.34	\$169.34
107-1	LITTER REMOVAL	1.02	AC	\$45.28	\$46.19
107-2	MOWING	1.02	AC	\$72.25	\$73.70

**Shoulder Component Total**

**\$157,338.17**

#### DRAINAGE COMPONENT

##### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	64.00	LF	\$116.05	\$7,427.20
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	32.00	LF	\$171.65	\$5,492.80
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	5.00	EA	\$2,241.18	\$11,205.90
570-1-1	PERFORMANCE TURF	170.69	SY	\$2.02	\$344.79

**Drainage Component Total**

**\$24,470.69**

#### SIGNING COMPONENT

##### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	1.00	AS	\$528.30	\$528.30
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	9.00	AS	\$1,617.22	\$14,554.98
700-1-50	SINGLE POST SIGN, RELOCATE	1.00	AS	\$328.07	\$328.07
700-1-60	SINGLE POST SIGN, REMOVE	9.00	AS	\$118.97	\$1,070.73
700-2-13	MULTI- POST SIGN, F&I GM, 21-30 SF	1.00	AS	\$5,537.31	\$5,537.31
700-2-60	MULTI- POST SIGN, REMOVE	1.00	AS	\$1,051.85	\$1,051.85

Signing Component Total

\$23,071.24

Sequence 320 Total

\$747,207.22

Sequence: 330 WUR - Widen/Resurface, Undivided, Rural

Net Length: 0.660 MI  
3,487 LF

Description: SR 429 SB Exit Loop Ramp to Eastbound Western Way

**EARTHWORK COMPONENT**

**User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.660
Top of Structural Course For Begin Section	115.00
Top of Structural Course For End Section	115.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
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	4.80	AC	\$20,000.00	\$96,000.00
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	37,275.74	CY	\$26.31	\$980,724.72
<b>Earthwork Component Total</b>					<b>\$1,076,724.72</b>

**ROADWAY COMPONENT**

**User Input Data**

Description	Value
Number of Lanes	2
Existing Roadway Pavement Width L/R	0.00 / 15.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 9.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	11,235.61	SY	\$2.59	\$29,100.23
285-709	OPTIONAL BASE,BASE GROUP 09	3,614.77	SY	\$26.06	\$94,200.91
327-70-4	MILLING EXIST ASPH PAVT, 3" AVG DEPTH	5,811.52	SY	\$10.73	\$62,357.61
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	479.45	TN	\$141.47	\$67,827.79
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	479.45	TN	\$141.47	\$67,827.79

337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	232.46 TN	\$240.52	\$55,911.28
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	287.67 TN	\$240.52	\$69,190.39

**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
520-6	SHOULDER GUTTER- CONCRETE	800.00 LF	\$29.95	\$23,960.00
536-73	GUARDRAIL REMOVAL	800.00 LF	\$2.48	\$1,984.00

**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
706-1-1	RAISED PAVMT MARK, TYPE B W/O FINAL SURF	89.00 EA	\$12.38	\$1,101.82
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	1.32 GM	\$1,303.59	\$1,720.74
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.66 GM	\$933.65	\$616.21
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	1.32 GM	\$4,552.88	\$6,009.80
711-16-231	THERMOPLASTIC, STD-OTH, YELLOW, SKIP, 6"	0.66 GM	\$2,270.75	\$1,498.70

**Peripherals Subcomponent**

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

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	28.00 TN	\$227.60	\$6,372.80
536-1-1	GUARDRAIL- ROADWAY, GEN TL-3	800.00 LF	\$21.34	\$17,072.00
536-85-24	GUARDRAIL END TREATMENT-PARA APP TERM	4.00 EA	\$3,002.12	\$12,008.48

**Roadway Component Total** \$518,760.55

**SHOULDER COMPONENT**

**User Input Data**

Description	Value
Existing Total Outside Shoulder Width L/R	0.00 / 0.00
New Total Outside Shoulder Width L/R	8.00 / 12.00

Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2No. of Sides	0

#### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	5,679.79	SY	\$21.79	\$123,762.62
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	298.32	TN	\$141.47	\$42,203.33
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	216.96	TN	\$240.52	\$52,183.22

#### X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-6	SHOULDER GUTTER- CONCRETE	1,500.00	LF	\$29.95	\$44,925.00

#### Erosion Control

##### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	8,019.90	LF	\$2.70	\$21,653.73
104-11	FLOATING TURBIDITY BARRIER	66.04	LF	\$12.73	\$840.69
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	66.04	LF	\$4.01	\$264.82
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,921.89	\$2,921.89
104-18	INLET PROTECTION SYSTEM	2.00	EA	\$169.34	\$338.68
107-1	LITTER REMOVAL	1.60	AC	\$45.28	\$72.45
107-2	MOWING	1.60	AC	\$72.25	\$115.60

#### Shoulder Component Total

\$289,282.03

#### DRAINAGE COMPONENT

##### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	104.00	LF	\$116.05	\$12,069.20
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	48.00	LF	\$171.65	\$8,239.20
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	7.00	EA	\$2,241.18	\$15,688.26
570-1-1	PERFORMANCE TURF	266.80	SY	\$2.02	\$538.94

#### X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
425-1-701	INLETS, GUTTER, TYPE S, <10'	6.00	EA	\$5,128.69	\$30,772.14

#### Drainage Component Total

\$67,307.74

#### SIGNING COMPONENT

##### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	2.00	AS	\$528.30	\$1,056.60
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	14.00	AS	\$1,617.22	\$22,641.08
700-1-50	SINGLE POST SIGN, RELOCATE	2.00	AS	\$328.07	\$656.14
700-1-60	SINGLE POST SIGN, REMOVE	14.00	AS	\$118.97	\$1,665.58
700-2-13	MULTI- POST SIGN, F&I GM, 21-30 SF	2.00	AS	\$5,537.31	\$11,074.62
700-2-60	MULTI- POST SIGN, REMOVE	2.00	AS	\$1,051.85	\$2,103.70
<b>Signing Component Total</b>					<b>\$39,197.72</b>

### BRIDGES COMPONENT

#### Bridge 750618

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	174.50
Width (LF)	13.00
Type	Overpass Widening
Cost Factor	1.25
Structure No.	
Removal of Existing Structures area	603.00
Default Cost per SF	\$140.00
Factored Cost per SF	\$175.00
<b>Final Cost per SF</b>	<b>\$184.30</b>
<b>Basic Bridge Cost</b>	<b>\$396,987.50</b>
Description	SR 429 SB OFF-RAMP OVER WESTERN WAY

#### Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-3	REMOVAL OF EXISTING STRUCTURES/BRIDGES	603.00	SF	\$96.67	\$58,292.01
400-2-10	CONC CLASS II, APPROACH SLABS	28.89	CY	\$539.79	\$15,594.53
415-1-9	REINF STEEL- APPROACH SLABS	5,055.75	LB	\$1.09	\$5,510.77
<b>Bridge 750618 Total</b>					<b>\$476,384.81</b>
<b>Bridges Component Total</b>					<b>\$476,384.81</b>

### RETAINING WALLS COMPONENT

#### Retaining Wall 9

Description	Value
Length	77.50
Begin height	40.00
End Height	40.00
Multiplier	1

#### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	3,100.00	SF	\$36.27	\$112,437.00

**Retaining Walls Component Total**

\$112,437.00

**Sequence 330 Total**

\$2,580,094.57

**Sequence:** 341 WDR - Widen/Resurface, Divided, Rural**Net Length:**

0.285 MI

1,503 LF

**Description:** (1 of 2) SR 429 SB Entrance Ramp from Western Way**EARTHWORK COMPONENT****User Input Data**

<b>Description</b>	<b>Value</b>
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.070
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Median Slope L/R	6 to 1 / 6 to 1
Existing Median Shoulder Cross Slope L/R	5.00 % / 5.00 %
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Median Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	5.00 % / 5.00 %
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

**Pay Items**

<b>Pay item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
110-1-1	CLEARING & GRUBBING	2.07	AC	\$20,000.00	\$41,400.00
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	237.37	CY	\$26.31	\$6,245.20
<b>Earthwork Component Total</b>					<b>\$47,645.20</b>

**ROADWAY COMPONENT****User Input Data**

<b>Description</b>	<b>Value</b>
Number of Lanes	3
Existing Roadway Pavement Width L/R	8.56 / 10.02
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	3.44 / 1.96
Widened Inside Pavement Width L/R	0.00 / 0.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

**Pay Items**

<b>Pay item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Extended Amount</b>
160-4	TYPE B STABILIZATION	4,242.41	SY	\$2.59	\$10,987.84
285-709	OPTIONAL BASE,BASE GROUP 09	1,012.17	SY	\$26.06	\$26,377.15

327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	3,103.31 SY	\$5.17	\$16,044.11
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	256.02 TN	\$141.47	\$36,219.15
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	124.02 TN	\$141.47	\$17,545.11
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	124.13 TN	\$240.52	\$29,855.75
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	74.41 TN	\$240.52	\$17,897.09

**X-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
710-11-131	PAINTED PAVT MARK, STD, WHITE, SKIP, 6" <b>Comment:</b> Extra ramp lane of traffic	0.10	GM	\$438.24	\$43.82

**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
706-1-1	RAISED PAVMT MARK, TYPE B W/O FINAL SURF	77.00	EA	\$12.38	\$953.26
710-11-101	PAINTED PAVT MARK, STD, WHITE, SOLID, 6"	0.57	GM	\$1,303.59	\$743.05
710-11-131	PAINTED PAVT MARK, STD, WHITE, SKIP, 6"	0.28	GM	\$438.24	\$122.71
711-15-101	THERMOPLASTIC, STD-OP, WHITE, SOLID, 6"	0.57	GM	\$5,266.55	\$3,001.93
711-15-131	THERMOPLASTIC, STD-OP, WHITE, SKIP, 6"	0.28	GM	\$1,694.38	\$474.43
<b>Roadway Component Total</b>					<b>\$160,265.40</b>

**SHOULDER COMPONENT**

**User Input Data**

Description	Value
Existing Total Outside Shoulder Width L/R	0.00 / 0.00
New Total Outside Shoulder Width L/R	12.00 / 8.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	10.00 / 6.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2 No. of Sides	0

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE, BASE GROUP 04	2,782.62	SY	\$21.79	\$60,633.29



334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	146.98 TN	\$141.47	\$20,793.26
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	106.90 TN	\$240.52	\$25,711.59

**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	757.00 LF	\$30.43	\$23,035.51

**Erosion Control**

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	3,457.40 LF	\$2.70	\$9,334.98
104-11	FLOATING TURBIDITY BARRIER	28.47 LF	\$12.73	\$362.42
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	28.47 LF	\$4.01	\$114.16
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$2,921.89	\$2,921.89
107-1	LITTER REMOVAL	2.07 AC	\$45.28	\$93.73
107-2	MOWING	2.07 AC	\$72.25	\$149.56

**Shoulder Component Total** \$143,150.39

**DRAINAGE COMPONENT**

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	232.00 LF	\$116.05	\$26,923.60
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	24.00 LF	\$171.65	\$4,119.60
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	12.00 EA	\$2,241.18	\$26,894.16
570-1-1	PERFORMANCE TURF	200.43 SY	\$2.02	\$404.87

**Drainage Component Total** \$58,342.23

**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	\$528.30	\$528.30
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	7.00 AS	\$1,617.22	\$11,320.54
700-1-50	SINGLE POST SIGN, RELOCATE	1.00 AS	\$328.07	\$328.07
700-1-60	SINGLE POST SIGN, REMOVE	7.00 AS	\$118.97	\$832.79
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	1.00 AS	\$6,597.30	\$6,597.30
700-2-60	MULTI- POST SIGN, REMOVE	1.00 AS	\$1,051.85	\$1,051.85

**Signing Component Total** \$20,658.85

**Sequence 341 Total** \$430,062.07

Sequence: 342 RSU - Resurfacing, Undivided

Net Length: 0.290 MI  
1,533 LF

Description: (2 of 2) SR 429 SB Entrance Ramp from Western Way

**ROADWAY COMPONENT**

**User Input Data**

Description	Value
Number of Lanes	1
Roadway Pavement Width L/R	15.00 / 0.00
Structural Spread Rate	165
Friction Course Spread Rate	80

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	2,554.64 SY	\$5.17	\$13,207.49
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	210.76 TN	\$141.47	\$29,816.22
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	102.19 TN	\$240.52	\$24,578.74

**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	0

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
710-11-101	PAINTED PAVT MARK, STD, WHITE, SOLID, 6"	0.58 GM	\$1,303.59	\$756.08
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.58 GM	\$4,552.88	\$2,640.67
711-16-201	THERMOPLASTIC, STD-OTH, YELLOW, SOLID, 6"	0.58 GM	\$4,552.50	\$2,640.45

**Roadway Component Total** \$73,639.65

**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	0.00 / 0.00
Paved Outside Shoulder Width L/R	2.00 / 4.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2 No. of Sides	0

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
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327-70-1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	1,021.86 SY	\$7.71	\$7,878.54
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	56.20 TN	\$141.47	\$7,950.61
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	40.87 TN	\$240.52	\$9,830.05

**Erosion Control**

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-11	FLOATING TURBIDITY BARRIER	29.03 LF	\$12.73	\$369.55
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	29.03 LF	\$4.01	\$116.41
104-18	INLET PROTECTION SYSTEM	1.00 EA	\$169.34	\$169.34
107-1	LITTER REMOVAL	0.70 AC	\$45.28	\$31.70
107-2	MOWING	0.70 AC	\$72.25	\$50.58
<b>Shoulder Component Total</b>				<b>\$26,396.78</b>

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**Sequence 342 Total** \$100,036.43

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**Sequence:** 350 WDU - Widen/Resurface, Divided, Urban **Net Length:** 0.610 MI  
3,220 LF

**Description:** Western Way Reconstruction Crossing SR 429. Includes two signalized Intersection.

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**EARTHWORK COMPONENT**

**User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	25.00 / 25.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.610
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Median Shoulder Cross Slope L/R	4.00 % / 4.00 %
Existing Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
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	3.70 AC	\$20,000.00	\$74,000.00
120-1	REGULAR EXCAVATION	4,816.89 CY	\$14.07	\$67,773.64
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	1,190.50 CY	\$26.31	\$31,322.06
<b>Earthwork Component Total</b>				<b>\$173,095.70</b>

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## ROADWAY COMPONENT

### User Input Data

Description	Value
Number of Lanes	7
Existing Roadway Pavement Width L/R	29.50 / 33.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	3.00 / 1.50
Widened Inside Pavement Width L/R	6.50 / 5.50
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	9,594.84	SY	\$2.59	\$24,850.64
285-709	OPTIONAL BASE,BASE GROUP 09	6,375.09	SY	\$26.06	\$166,134.85
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	22,359.33	SY	\$5.17	\$115,597.74
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,844.64	TN	\$141.47	\$260,961.22
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	811.64	TN	\$141.47	\$114,822.71
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	894.37	TN	\$240.52	\$215,113.87
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	486.99	TN	\$240.52	\$117,130.83

### 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	5

### Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-1	RAISED PAVMT MARK, TYPE B W/O FINAL SURF	494.00	EA	\$12.38	\$6,115.72
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	2.44	GM	\$1,303.59	\$3,180.76
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	3.05	GM	\$438.24	\$1,336.63
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	2.44	GM	\$4,552.88	\$11,109.03
711-16-131	THERMOPLASTIC, STD-OTH, WHITE, SKIP, 6"	3.05	GM	\$2,860.82	\$8,725.50

**Roadway Component Total**

**\$1,045,079.50**

## SHOULDER COMPONENT

### User Input Data

Description	Value
Existing Total Outside Shoulder Width L/R	2.00 / 2.00
New Total Outside Shoulder Width L/R	2.50 / 2.50
Total Outside Shoulder Perf. Turf Width L/R	0.25 / 0.25

Sidewalk Width L/R

0.00 / 0.00

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	3,219.74	LF	\$30.43	\$97,976.69
520-1-10	CONCRETE CURB & GUTTER, TYPE F	3,219.74	LF	\$30.43	\$97,976.69
570-1-1	PERFORMANCE TURF	178.87	SY	\$2.02	\$361.32

**X-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	2,334.00	SY	\$203.42	\$474,782.28

**Erosion Control****Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	6,439.49	LF	\$2.70	\$17,386.62
104-11	FLOATING TURBIDITY BARRIER	60.98	LF	\$12.73	\$776.28
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	60.98	LF	\$4.01	\$244.53
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,921.89	\$2,921.89
104-18	INLET PROTECTION SYSTEM	29.00	EA	\$169.34	\$4,910.86
107-1	LITTER REMOVAL	5.32	AC	\$45.28	\$240.89
107-2	MOWING	5.32	AC	\$72.25	\$384.37

**Shoulder Component Total**

\$697,962.42

**MEDIAN COMPONENT****User Input Data**

Description	Value
Total Median Width	19.00
Performance Turf Width	5.34

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
570-1-1	PERFORMANCE TURF	1,910.38	SY	\$2.02	\$3,858.97

**Median Component Total**

\$3,858.97

**DRAINAGE COMPONENT****Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
425-1-351	INLETS, CURB, TYPE P-5, <10'	22.00	EA	\$5,264.85	\$115,826.70
425-1-451	INLETS, CURB, TYPE J-5, <10'	7.00	EA	\$9,698.46	\$67,889.22
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	336.00	LF	\$120.00	\$40,320.00
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	104.00	LF	\$171.65	\$17,851.60
570-1-1	PERFORMANCE TURF	185.38	SY	\$2.02	\$374.47

**Drainage Component Total**

\$242,261.99

**SIGNING COMPONENT**

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	14.00	AS	\$528.30	\$7,396.20
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	2.00	AS	\$1,617.22	\$3,234.44
700-1-50	SINGLE POST SIGN, RELOCATE	2.00	AS	\$328.07	\$656.14
700-1-60	SINGLE POST SIGN, REMOVE	14.00	AS	\$118.97	\$1,665.58
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	2.00	AS	\$6,597.30	\$13,194.60
700-2-60	MULTI- POST SIGN, REMOVE	2.00	AS	\$1,051.85	\$2,103.70
<b>Signing Component Total</b>					<b>\$28,250.66</b>

**SIGNALIZATIONS COMPONENT**

**Signalization 1**

Description	Value
Type	4 Lane Mast Arm
Multiplier	1
Description	Intersection with SR 429 North Exit and Entrance Ramp

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	750.00	LF	\$9.49	\$7,117.50
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	250.00	LF	\$22.53	\$5,632.50
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$8,368.88	\$8,368.88
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	16.00	EA	\$765.10	\$12,241.60
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	\$4,122.68	\$4,122.68
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00	LF	\$7.57	\$454.20
649-21-10	STEEL MAST ARM ASSEMBLY, F&I, 60'	4.00	EA	\$68,710.55	\$274,842.20
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	12.00	AS	\$1,469.23	\$17,630.76
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00	AS	\$856.59	\$6,852.72
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	12.00	EA	\$330.47	\$3,965.64
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	12.00	AS	\$1,408.24	\$16,898.88
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00	EA	\$326.91	\$2,615.28
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00	AS	\$34,261.40	\$34,261.40
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00	EA	\$433.11	\$1,732.44

**Signalization 2**

Description	Value
Type	4 Lane Mast Arm
Multiplier	1
Description	Intersection with SR 429 South Exit and Entrance Ramp

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	750.00	LF	\$9.49	\$7,117.50
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	250.00	LF	\$22.53	\$5,632.50
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$8,368.88	\$8,368.88
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	16.00	EA	\$765.10	\$12,241.60
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	\$4,122.68	\$4,122.68
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00	LF	\$7.57	\$454.20
649-21-10	STEEL MAST ARM ASSEMBLY, F&I, 60'	4.00	EA	\$68,710.55	\$274,842.20
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	12.00	AS	\$1,469.23	\$17,630.76
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00	AS	\$856.59	\$6,852.72
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	12.00	EA	\$330.47	\$3,965.64
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	12.00	AS	\$1,408.24	\$16,898.88
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00	EA	\$326.91	\$2,615.28
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00	AS	\$34,261.40	\$34,261.40
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00	EA	\$433.11	\$1,732.44
<b>Signalizations Component Total</b>					<b>\$793,473.36</b>

**Sequence 350 Total**

\$2,983,982.60

**Sequence:** 360 WUR - Widen/Resurface, Undivided, Rural**Net Length:** 0.136 MI  
720 LF**Description:** SR 429 SB Exit Ramp to Western Way**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.277
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.99	AC	\$20,000.00	\$19,800.00
120-2-2	BORROW EXCAVATION, TRUCK	1,160.30	CY	\$26.31	\$30,527.49

MEASURE

**Earthwork Component Total**

**\$50,327.49**

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**ROADWAY COMPONENT**

**User Input Data**

Description	Value
Number of Lanes	1
Existing Roadway Pavement Width L/R	0.00 / 0.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 15.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	2,800.75	SY	\$2.59	\$7,253.94
285-709	OPTIONAL BASE,BASE GROUP 09	1,226.73	SY	\$26.06	\$31,968.58
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	165.04	TN	\$141.47	\$23,348.21
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	99.03	TN	\$240.52	\$23,818.70

**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	0

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.27	GM	\$1,303.59	\$351.97
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.27	GM	\$4,552.88	\$1,229.28

**Roadway Component Total**

**\$87,970.68**

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**SHOULDER COMPONENT**

**User Input Data**

Description	Value
Existing Total Outside Shoulder Width L/R	0.00 / 0.00
New Total Outside Shoulder Width L/R	8.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2 No. of Sides	0



**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	1,173.11	SY	\$21.79	\$25,562.07
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	61.62	TN	\$141.47	\$8,717.38
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	44.81	TN	\$240.52	\$10,777.70

**Erosion Control****Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	1,656.44	LF	\$2.70	\$4,472.39
104-11	FLOATING TURBIDITY BARRIER	13.64	LF	\$12.73	\$173.64
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	13.64	LF	\$4.01	\$54.70
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,921.89	\$2,921.89
104-18	INLET PROTECTION SYSTEM	1.00	EA	\$169.34	\$169.34
107-1	LITTER REMOVAL	0.33	AC	\$45.28	\$14.94
107-2	MOWING	0.33	AC	\$72.25	\$23.84
<b>Shoulder Component Total</b>					<b>\$52,887.89</b>

**DRAINAGE COMPONENT****Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	24.00	LF	\$116.05	\$2,785.20
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	8.00	LF	\$171.65	\$1,373.20
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	2.00	EA	\$2,241.18	\$4,482.36
570-1-1	PERFORMANCE TURF	55.11	SY	\$2.02	\$111.32
<b>Drainage Component Total</b>					<b>\$8,752.08</b>

**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	\$528.30	\$528.30
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	3.00	AS	\$1,617.22	\$4,851.66
700-1-50	SINGLE POST SIGN, RELOCATE	1.00	AS	\$328.07	\$328.07
700-1-60	SINGLE POST SIGN, REMOVE	3.00	AS	\$118.97	\$356.91
700-2-13	MULTI- POST SIGN, F&I GM, 21-30 SF	1.00	AS	\$5,537.31	\$5,537.31
700-2-60	MULTI- POST SIGN, REMOVE	1.00	AS	\$1,051.85	\$1,051.85
<b>Signing Component Total</b>					<b>\$12,654.10</b>

**Sequence 360 Total****\$212,592.24**

Sequence: 370 RSU - Resurfacing, Undivided

Net Length: 0.530 MI  
2,800 LF

Description: SR 429 SB Entrance Ramp from Seidel Rd. Includes Toll Plaza

**ROADWAY COMPONENT**

**User Input Data**

Description	Value
Number of Lanes	1
Roadway Pavement Width L/R	0.00 / 15.00
Structural Spread Rate	165
Friction Course Spread Rate	80

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	4,666.64 SY	\$5.17	\$24,126.53
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	385.00 TN	\$141.47	\$54,465.95
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	186.67 TN	\$240.52	\$44,897.87

**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	0

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
710-11-101	PAINTED PAVT MARK, STD, WHITE, SOLID, 6"	1.06 GM	\$1,303.59	\$1,381.81
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	1.06 GM	\$4,552.88	\$4,826.05

**Roadway Component Total** \$129,698.21

**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	0.00 / 0.00
Paved Outside Shoulder Width L/R	2.00 / 4.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2 No. of Sides	0

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
327-70-1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	1,866.66 SY	\$7.71	\$14,391.95
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	102.67 TN	\$141.47	\$14,524.72
337-7-83	ASPH CONC FC, TRAFFIC C, FC-	74.67 TN	\$240.52	\$17,959.63

**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
534-72-101	SOUND/NOISE BARRIER-INC FOUNDATION, PERM	42,130.00 SF	\$31.00	\$1,306,030.00
<b>Comment:</b> Noise Barrier Wall G: Waterleigh				

**Erosion Control**

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-11	FLOATING TURBIDITY BARRIER	53.03 LF	\$12.73	\$675.07
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	53.03 LF	\$4.01	\$212.65
104-18	INLET PROTECTION SYSTEM	2.00 EA	\$169.34	\$338.68
107-1	LITTER REMOVAL	1.28 AC	\$45.28	\$57.96
107-2	MOWING	1.28 AC	\$72.25	\$92.48
<b>Shoulder Component Total</b>				<b>\$1,354,283.14</b>

**ARCHITECTURAL COMPONENT**

**EX-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
735-3	EQUIPMENT REMOVAL FOR EXISTING PLAZA/SITE	1.00 EA	\$1,500.00	\$1,500.00
<b>Comment:</b> Replaces existing Seidel Road Plaza SB ON RAMP				
735-5	1-LANE ORT [1 X 2 LANES]	1.00 EA	\$875,000.00	\$875,000.00
<b>Comment:</b> Replaces existing Seidel Road Plaza SB ON RAMP				
<b>Architectural Component Total</b>				<b>\$876,500.00</b>

**Sequence 370 Total** **\$2,360,481.35**

**Sequence:** 380 WUR - Widen/Resurface, Undivided, Rural **Net Length:** 0.371 MI  
1,960 LF  
**Description:** SR 429 NB Exit Ramp to Seidel Rd. Includes Toll Plaza

**EARTHWORK COMPONENT**

**User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.371
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
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	2.70 AC	\$20,000.00	\$54,000.00
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	1,608.46 CY	\$26.31	\$42,318.58
<b>Earthwork Component Total</b>				<b>\$96,318.58</b>

**ROADWAY COMPONENT****User Input Data**

Description	Value
Number of Lanes	2
Existing Roadway Pavement Width L/R	0.00 / 6.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 18.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	165

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	8,275.29 SY	\$2.59	\$21,433.00
285-709	OPTIONAL BASE,BASE GROUP 09	3,991.74 SY	\$26.06	\$104,024.74
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	1,306.62 SY	\$5.17	\$6,755.23
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	107.80 TN	\$141.47	\$15,250.47
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	538.98 TN	\$141.47	\$76,249.50
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	52.26 TN	\$240.52	\$12,569.58
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	323.39 TN	\$240.52	\$77,781.76

**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
706-1-3	RAISED PAVMT MARK, TYPE B	50.00 EA	\$6.19	\$309.50
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.74 GM	\$1,303.59	\$964.66
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.37 GM	\$933.65	\$345.45
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.74 GM	\$4,552.88	\$3,369.13
711-16-201	THERMOPLASTIC, STD-OTH,YELLOW, SOLID, 6"	0.74 GM	\$4,552.50	\$3,368.85
711-16-231	THERMOPLASTIC, STD-OTH,	0.37 GM	\$2,270.75	\$840.18

YELLOW, SKIP, 6"

**Roadway Component Total**

\$323,262.05

**SHOULDER COMPONENT**

**User Input Data**

Description	Value
Existing Total Outside Shoulder Width L/R	0.00 / 0.00
New Total Outside Shoulder Width L/R	8.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Existing Paved Outside Shoulder Width L/R	0.00 / 0.00
New Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2 No. of Sides	0

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	3,192.52	SY	\$21.79	\$69,565.01
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	167.68	TN	\$141.47	\$23,721.69
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	121.95	TN	\$240.52	\$29,331.41

**Erosion Control**

**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	4,507.85	LF	\$2.70	\$12,171.20
104-11	FLOATING TURBIDITY BARRIER	37.12	LF	\$12.73	\$472.54
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	37.12	LF	\$4.01	\$148.85
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,921.89	\$2,921.89
104-18	INLET PROTECTION SYSTEM	1.00	EA	\$169.34	\$169.34
107-1	LITTER REMOVAL	0.90	AC	\$45.28	\$40.75
107-2	MOWING	0.90	AC	\$72.25	\$65.03

**Shoulder Component Total**

\$138,607.71

**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	\$116.05	\$6,498.80
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	24.00	LF	\$171.65	\$4,119.60
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	4.00	EA	\$2,241.18	\$8,964.72
570-1-1	PERFORMANCE TURF	149.96	SY	\$2.02	\$302.92

**Drainage Component Total**

\$19,886.04

**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	\$528.30	\$528.30
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	8.00	AS	\$1,617.22	\$12,937.76
700-1-50	SINGLE POST SIGN, RELOCATE	1.00	AS	\$328.07	\$328.07
700-1-60	SINGLE POST SIGN, REMOVE	8.00	AS	\$118.97	\$951.76
700-2-13	MULTI- POST SIGN, F&I GM, 21-30 SF	1.00	AS	\$5,537.31	\$5,537.31
700-2-60	MULTI- POST SIGN, REMOVE	1.00	AS	\$1,051.85	\$1,051.85
<b>Signing Component Total</b>					<b>\$21,335.05</b>

**LIGHTING COMPONENT****Rural Lighting Subcomponent**

Description	Value				
Multiplier (Number of Poles)	9				
<b>Pay Items</b>					
Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,800.00	LF	\$9.49	\$17,082.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	9.00	EA	\$765.10	\$6,885.90
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	5,400.00	LF	\$2.69	\$14,526.00
715-4-14	LIGHT POLE COMPLETE, F&I-STD, 45'	9.00	EA	\$6,352.63	\$57,173.67
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	9.00	EA	\$462.80	\$4,165.20
<b>Subcomponent Total</b>					<b>\$99,832.77</b>
<b>Lighting Component Total</b>					<b>\$99,832.77</b>

**ARCHITECTURAL COMPONENT****EX-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
735-3	EQUIPMENT REMOVAL FOR EXISTING PLAZA/SITE <b>Comment:</b> Replaces existing Seidel Road Plaza NB OFF RAMP	1.00	EA	\$1,500.00	\$1,500.00
735-5	1-LANE ORT [1 X 2 LANES] <b>Comment:</b> Replaces existing Seidel Road Plaza NB OFF RAMP	1.00	EA	\$875,000.00	\$875,000.00
<b>Architectural Component Total</b>					<b>\$876,500.00</b>

**Sequence 380 Total** **\$1,575,742.20**

**Sequence:** 381 NUU - New Construction, Undivided, Urban **Net Length:** 0.142 MI  
750 LF

**Description:** Replacement of Existing Canary Island Drive Bridge Over SR 429.

**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	50.00 / 50.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.074
Top of Structural Course For Begin Section	132.00
Top of Structural Course For End Section	147.00
Horizontal Elevation For Begin Section	132.00
Horizontal Elevation For End Section	127.00
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Alignment Number	2
Distance	0.052
Top of Structural Course For Begin Section	142.00
Top of Structural Course For End Section	117.00
Horizontal Elevation For Begin Section	119.00
Horizontal Elevation For End Section	117.00
Front Slope L/R	6 to 1 / 6 to 1
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	1.72 AC	\$20,000.00	\$34,400.00
120-1	REGULAR EXCAVATION	22,629.29 CY	\$14.07	\$318,394.11
120-6	EMBANKMENT	25,399.04 CY	\$21.01	\$533,633.83
<b>Earthwork Component Total</b>				<b>\$886,427.94</b>

#### ROADWAY COMPONENT

##### User Input Data

Description	Value
Number of Lanes	2
Roadway Pavement Width L/R	16.00 / 16.00
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	3,095.68 SY	\$2.59	\$8,017.81
285-709	OPTIONAL BASE,BASE GROUP 09	2,665.81 SY	\$26.06	\$69,471.01
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	366.55 TN	\$141.47	\$51,855.83
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	219.93 TN	\$240.52	\$52,897.56

##### X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT  <b>Comment:</b> Misc. Asphalt under guardrail	31.00 TN	\$227.60	\$7,055.60
521-72-40	SHLDR CONC BARRIER,38" OR 44" HEIGHT  <b>Comment:</b> Additional Barrier Wall tying into and extending	195.00 LF	\$306.12	\$59,693.40

	beyond the bridge barrier walls.			
536-1-0	GUARDRAIL- ROADWAY, GEN/LS TL-2	900.00 LF	\$15.39	\$13,851.00
	<b>Comment:</b> Guardrail behind curb and gutter, leading up to the outside walls on the bridge.			
536-8-111	CUARDR CONN TO RIGID BA, F&I, APPR N2	4.00 EA	\$2,464.13	\$9,856.52
	<b>Comment:</b> Rigid barrier connection from guardrail to barrier wall approaching the bridge.			
536-85-20	GUARDRAIL END TREAT- TRAILING ANCHORAGE	1.00 EA	\$2,523.81	\$2,523.81
	<b>Comment:</b> End Anchorage east of bridge.			
536-85-24	GUARDRAIL END TREATMENT- PARA APP TERM	1.00 EA	\$3,002.12	\$3,002.12
	<b>Comment:</b> End Anchorage east of bridge.			
710-11-201	PAINTED PAVT MARK,STD,YELLOW,SOLID,6"	0.15 GM	\$1,303.31	\$195.50
	<b>Comment:</b> Additional Yellow Stripe for Center Double Yellow. Components tab only provides for 0.15 GM.			

**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	1

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-1-3	RAISED PAVMT MARK, TYPE B	19.00 EA	\$6.19	\$117.61
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.14 GM	\$1,303.59	\$182.50
710-11-201	PAINTED PAVT MARK,STD,YELLOW,SOLID,6"	0.14 GM	\$1,303.31	\$182.46
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.14 GM	\$4,552.88	\$637.40
711-16-131	THERMOPLASTIC, STD-OTH, WHITE, SKIP, 6"	0.14 GM	\$2,860.82	\$400.51
711-16-201	THERMOPLASTIC, STD- OTH,YELLOW, SOLID, 6"	0.14 GM	\$4,552.50	\$637.35
<b>Roadway Component Total</b>				<b>\$280,577.99</b>

**SHOULDER COMPONENT**

**User Input Data**

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

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	749.76 LF	\$30.43	\$22,815.20
520-1-10	CONCRETE CURB & GUTTER,	749.76 LF	\$30.43	\$22,815.20



	TYPE F			
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	416.53 SY	\$203.42	\$84,730.53
570-1-1	PERFORMANCE TURF	833.07 SY	\$2.02	\$1,682.80

**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
515-1-2	PIPE HANDRAIL - GUIDERAIL, ALUMINUM	150.00 LF	\$105.23	\$15,784.50
	<b>Comment:</b> Handrails along sidewalk prior to fencing over the bridge.			

**Erosion Control**

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	1,499.52 LF	\$2.70	\$4,048.70
104-11	FLOATING TURBIDITY BARRIER	35.50 LF	\$12.73	\$451.92
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	35.50 LF	\$4.01	\$142.36
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$2,921.89	\$2,921.89
104-18	INLET PROTECTION SYSTEM	8.00 EA	\$169.34	\$1,354.72
107-1	LITTER REMOVAL	1.72 AC	\$45.28	\$77.88
107-2	MOWING	1.72 AC	\$72.25	\$124.27

**Shoulder Component Total** \$156,949.97

**DRAINAGE COMPONENT**

**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
425-1-351	INLETS, CURB, TYPE P-5, <10'	4.00 EA	\$5,264.85	\$21,059.40
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	136.00 LF	\$120.00	\$16,320.00
570-1-1	PERFORMANCE TURF	44.99 SY	\$2.02	\$90.88

**Drainage Component Total** \$37,470.28

**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	\$528.30	\$1,056.60

**Signing Component Total** \$1,056.60

**LIGHTING COMPONENT**

**Conventional Lighting Subcomponent**

Description	Value			
Spacing	MAX			
Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	749.76 LF	\$9.49	\$7,115.22
630-2-12	CONDUIT, F& I, DIRECTIONAL	97.84 LF	\$22.53	\$2,204.34

635-2-11	BORE PULL & SPLICE BOX, F&I, 13" x 24"	3.00 EA	\$765.10	\$2,295.30
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	2,542.79 LF	\$2.69	\$6,840.11
715-61-342	LIGHT POLE CMPLT,STD,F&I, 40'MH,12'ARM L	3.00 EA	\$5,845.33	\$17,535.99
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	3.00 EA	\$462.80	\$1,388.40
	<b>Subcomponent Total</b>			\$37,379.35
	<b>Lighting Component Total</b>			\$37,379.36

**BRIDGES COMPONENT**

**Bridge 920608**

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	250.00
Width (LF)	40.92
Type	Overpass Bridge
Cost Factor	1.20
Structure No.	
Removal of Existing Structures area	0.00
Default Cost per SF	\$135.00
Factored Cost per SF	\$162.00
<b>Final Cost per SF</b>	<b>\$168.49</b>
<b>Basic Bridge Cost</b>	<b>\$1,657,260.00</b>

Description REPLACE CANARY ISLAND DRIVE BRIDGE DUE TO INSUFFICIENT VERTICAL CLEARANCE OVER NORTHBOUND SR-429.

**Bridge Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-10	CONC CLASS II, APPROACH SLABS	90.93	CY	\$539.79	\$49,083.10
415-1-9	REINF STEEL- APPROACH SLABS	15,912.75	LB	\$1.09	\$17,344.90
	<b>Bridge 920608 Total</b>				\$1,723,688.00
	<b>Bridges Component Total</b>				\$1,723,688.00

**Sequence 381 Total** \$3,123,550.14

Date: 9/23/2022 4:21:27 PM

**FDOT Long Range Estimating System - Production  
R3: Project Details by Sequence Report**

**Project:** 446164-1-22-01

**Letting Date:** 01/2099

**Description:** PD&E STUDY TO WIDEN WESTERN BELTWAY (SR429) FROM I-4 TO SEIDEL RD.

**District:** 08      **County:** 97 TURNPIKE

**Market Area:** 99      **Units:** English

**Contract Class:** 3      **Lump Sum Project:** N

**Design/Build:** N      **Project Length:** 9.300 MI

**Project Manager:** UNDERWOOD

**Version 26 Project Grand Total****\$321,698,295.54**

**Description:** PREFERRED T RAMP ALTERNATIVE: COPY OF VERSION 25, BUT INCLUDES UPDATES TO PAVEMENT DESIGN. 446164-1-22-01. [PD&E STUDY TO WIDEN WESTERN BELTWAY (SR429) FROM SEIDEL ROAD TO SINCLAIR ROAD]. INCLUDES 25% UNKNOWN FACTO& UNIT COST REVISION. INCLUDES PREFERED ALTERNATIVE FOR SINCLAIR AND SEIDEL.

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**Project Sequences Subtotal** **\$212,593,914.41**

102-1	Maintenance of Traffic	10.00 %	\$21,259,391.44
101-1	Mobilization	10.00 %	\$23,385,330.58

**Project Sequences Total** **\$257,238,636.43**

Project Unknowns	25.00 %	\$64,309,659.11
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**Justification for high** CONCEPT/PD&E PROCESS  
%:

Design/Build	0.00 %	\$0.00
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**Non-Bid Components:**

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

**Project Non-Bid Subtotal** **\$150,000.00**

**Version 26 Project Grand Total****\$321,698,295.54**