

Date: 2/24/2022 11:19:37 AM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 443122-1-52-01

Letting Date: 01/2099

Description: SR 66 FROM HARDEE COUNTY LINE TO SPRING VALLEY LANE

District: 01 County: 09 HIGHLANDS

Market Area: 09 Units: English

Contract Class: 1 Lump Sum Project: N

Design/Build: N Project Length: 0.337 MI

Project Manager: JMK-BJS-KDS

Version 4 Project Grand Total

\$4,459,075.50

Description: February 2022 Unit Cost Updates - Copied from Version 3P - 2/23/22

Sequence: 1 NUR - New Construction, Undivided, Rural

Net Length: 0.337 MI
1,779 LF

Description: Remove box culvert and build new bridge

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	0.337
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	2.04	AC	\$30,565.89	\$62,354.42
120-6	EMBANKMENT	17,718.47	CY	\$17.22	\$305,112.05
Earthwork Component Total					\$367,466.47

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	7,908.27	SY	\$12.83	\$101,463.10
285-709	OPTIONAL BASE, BASE GROUP 09	4,875.45	SY	\$23.78	\$115,938.20

334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	652.43 TN	\$163.53	\$106,691.88
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	391.46 TN	\$176.62	\$69,139.67

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
536-8-111	CUARDR CONN TO RIGID BA, F&I, APPR N2	2.00 EA	\$2,464.13	\$4,928.26

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	45.00 EA	\$3.73	\$167.85
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.67 GM	\$1,117.17	\$748.50
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.34 GM	\$476.53	\$162.02
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.67 GM	\$5,134.84	\$3,440.34
711-16-231	THERMOPLASTIC, STD-OTH, YELLOW, SKIP, 6"	0.34 GM	\$1,322.31	\$449.59

Peripherals Subcomponent

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

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	33.33 TN	\$253.79	\$8,458.82
536-85-20	GUARDRAIL END TREAT- TRAILING ANCHORAGE	1,000.00 EA	\$1,261.90	\$1,261,900.00
536-85-29	GUARDRAIL END TREAT- DBL TRAIL AN	2.00 EA	\$1,518.45	\$3,036.90
550-10-110	FENCING, TYPE A, 0.0-5.0', STANDARD	2,000.00 LF	\$11.22	\$22,440.00

Roadway Component Total

\$1,698,965.13

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	2.67 / 2.67
Paved Outside Shoulder Width L/R	5.00 / 5.00
Structural Spread Rate	110
Friction Course Spread Rate	165
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2 No. of Sides	0

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	2,107.55 SY	\$52.19	\$109,993.03
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	108.74 TN	\$163.53	\$17,782.25
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	163.11 TN	\$176.62	\$28,808.49
570-1-2	PERFORMANCE TURF, SOD	1,055.75 SY	\$4.43	\$4,676.97

Erosion Control**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	4,626.34 LF	\$1.08	\$4,996.45
104-11	FLOATING TURBIDITY BARRIER	84.25 LF	\$11.99	\$1,010.16
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	84.25 LF	\$5.22	\$439.78
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$3,671.45	\$3,671.45
107-1	LITTER REMOVAL	4.08 AC	\$50.97	\$207.96
107-2	MOWING	4.08 AC	\$84.48	\$344.68

Shoulder Component Total

\$171,931.23

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	6.07 CY	\$1,509.72	\$9,164.00
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	272.00 LF	\$133.38	\$36,279.36
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	56.00 LF	\$260.82	\$14,605.92
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	14.00 EA	\$2,345.69	\$32,839.66
570-1-1	PERFORMANCE TURF	237.25 SY	\$8.37	\$1,985.78

Drainage Component Total

\$94,874.72

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	\$421.94	\$421.94
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	7.00 AS	\$1,481.07	\$10,367.49
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	1.00 AS	\$5,080.34	\$5,080.34

Signing Component Total

\$15,869.77

BRIDGES COMPONENT**Bridge 090018**

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	120.00
Width (LF)	44.00
Type	Low Level
Cost Factor	1.00
Structure No.	090018
Removal of Existing Structures area	6,222.00
Default Cost per SF	\$114.00
Factored Cost per SF	\$114.00
Final Cost per SF	\$132.41
Basic Bridge Cost	\$601,920.00
Description	LITTLE CHARLIE BOWLEGS CREEK

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-3	REMOVAL OF EXISTING STRUCTURES/BRIDGES	6,222.00	SF	\$43.59	\$271,216.98
400-2-10	CONC CLASS II, APPROACH SLABS	97.78	CY	\$800.00	\$78,224.00
415-1-9	REINF STEEL- APPROACH SLABS	17,111.50	LB	\$1.11	\$18,993.76
Bridge 090018 Total					\$970,354.75
Bridges Component Total					\$970,354.75

Sequence 1 Total **\$3,319,462.07**

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Project Sequences Subtotal					\$3,319,462.07
102-1	Maintenance of Traffic	15.00	%		\$497,919.31
101-1	Mobilization	10.00	%		\$381,738.14
Project Sequences Total					\$4,199,119.52

Project Unknowns	5.00 %	\$209,955.98
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	\$50,000.00	\$50,000.00
Project Non-Bid Subtotal					\$50,000.00

Version 4 Project Grand Total	\$4,459,075.50
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