

ENGINEER'S ESTIMATE

2/25/2019

PRELIMINARY - NOT FOR BID

FOLEY BEACH EXPRESS AT CR-12 S INTERSECTION IMPROVEMENTS

SUMMARY OF COSTS

DESCRIPTION	TASK 1	TASK 2		PROJECT TOTALS
	BASE BID	ADDITIVE ALTERANTES		
		ADDITIVE #1	ADDITIVE #2	
	OFFSET LEFT TURN LANES	CR-12 LEFT TURN LANES AND SIGNAL REPLACEMENT	FOLEY BEACH EXPRESS ACCEL/DECEL LANES	
CONSTRUCTION COSTS				
CONSTRUCTION SUB-TOTALS	\$ 267,680.00	\$ 315,200.00	\$ 308,380.00	\$ 891,260.00
ENGINEERING AND DESIGN FEES				
PRELIMINARY ENGINEERING				
SURVEY	\$ 5,000.00	\$ 10,000.00		\$ 15,000.00
GEOTECHNICAL DESIGN	\$ 3,500.00	\$ 6,700.00		\$ 10,200.00
ENGINEERING DESIGN AND PLANS	\$ 17,500.00	\$ 45,500.00		\$ 63,000.00
PE FEES SUB-TOTAL	\$ 26,000.00	\$ 62,200.00		\$ 88,200.00
CONSTRUCTION ENGINEERING				
CONSTRUCTION ENGINEERING	\$ 26,300.00	\$ 60,000.00		\$ 86,300.00
CONSTRUCTION MATERIALS TESTING	\$ 6,500.00	\$ 15,500.00		\$ 22,000.00
CEI FEES SUB-TOTAL	\$ 32,800.00	\$ 75,500.00		\$ 108,300.00
TOTAL CONSTRUCTION COST AND FEES	\$ 327,000.00	\$ 762,000.00		\$ 1,089,000.00
CITY MATCHING FUNDS REQUIREMENT	10%	100%		
	\$ 32,700.00	\$ 762,000.00		\$ 794,700.00

ESTIMATED PROJECT TOTAL = \$ 1,089,000.00

TOTAL ANTICIPATED CITY MATCHING FUNDS REQUIRED = \$ 794,700.00

**This estimate does not include costs for any right-of-way or for utility relocations other than power service for signal poles.*

PRELIMINARY - NOT FOR BID

FOLEY BEACH EXPRESS OFFSET LEFT TURNS AT CR-12 S

TASK 1: OFFSET LEFT TURN LANES

SUMMARY OF QUANTITIES				
ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT
ASPHALT FULL BUILD-UP 385# THICK	580.0	TON	\$ 120.00	\$ 69,600.00
CRUSHED AGGREGATE BASE	3280.0	SY	\$ 24.00	\$ 78,720.00
UNCLASSIFIED EXCAVATION	800.0	CY	\$ 13.00	\$ 10,400.00
BORROW EXCAVATION	450.0	CY	\$ 16.00	\$ 7,200.00
TRAFFIC CONTROL	1.0	LS	\$ 10,000.00	\$ 10,000.00
ROADWAY CONTINGENCIES (25%)	1.0	LS	\$ 43,980.00	\$ 43,980.00
VEHICULAR SIGNAL HEADS, 4 SECTION, LED	2.0	EA	\$ 1,400.00	\$ 2,800.00
CONTROLLER ASSEMBLY	1.0	LS	\$ 15,000.00	\$ 15,000.00
SIGNAL CABLE	400.0	LF	\$ 5.00	\$ 2,000.00
TRAFFIC SIGNAL CONTINGENCIES (10%)	1.0	LS	\$ 1,980.00	\$ 1,980.00
MOBILIZATION	1.0	LS	\$ 26,000.00	\$ 26,000.00
SUB-TOTAL				\$ 267,680.00

CONSTRUCTION COST TOTAL	\$ 267,680.00
ENGINEERING DESIGN	\$ 17,500.00
SURVEY	\$ 5,000.00
GEOTECHNICAL DESIGN	\$ 3,500.00
GEOTECHNICAL MATERIALS TESTING	\$ 6,500.00
CONSTRUCTION ENGINEERING	\$ 26,300.00
TOTAL PROJECT COST	\$ 326,480.00
REQUIRED CITY MATCH (10%)	\$ 32,648.00

**This estimate does not include costs for any utility relocations. None are expected.*

PRELIMINARY - NOT FOR BID

FOLEY BEACH EXPRESS AT CR-12 S

TASK 2: CR-12 INTERSECTION IMPROVEMENTS

SUMMARY OF QUANTITIES				
ADDITIVE ALTERNATE #1: CR-12 TURN LANES AND SIGNAL REPLACEMENT				
ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT
ASPHALT FULL BUILD-UP 385# THICK	300.0	TON	\$ 120.00	\$ 36,000.00
CRUSHED AGGREGATE BASE	1750.0	SY	\$ 24.00	\$ 42,000.00
UNCLASSIFIED EXCAVATION	500.0	CY	\$ 13.00	\$ 6,500.00
BORROW EXCAVATION	1200.0	CY	\$ 16.00	\$ 19,200.00
SLOPE PAVING	22.0	CY	\$ 450.00	\$ 9,900.00
TRAFFIC CONTROL	1.0	LS	\$ 7,500.00	\$ 7,500.00
EROSION CONTROL	1.0	LS	\$ 7,500.00	\$ 7,500.00
ROADWAY CONTINGENCIES (40%)	1.0	LS	\$ 51,500.00	\$ 51,500.00
REMOVAL OF EXISTING TRAFFIC CONTROL UNIT	1.0	EA	\$ 4,500.00	\$ 4,500.00
FURNISHING AND INSTALLING TRAFFIC CTRL UNIT	1.0	EA	\$ 15,000.00	\$ 15,000.00
METAL TRAFFIC SIGNAL POLE FOUNDATION	2.0	EA	\$ 3,500.00	\$ 7,000.00
METAL TRAFFIC SIGNAL POLE W/ MAST ARMS	2.0	EA	\$ 20,000.00	\$ 40,000.00
TRAFFIC SIGNAL JUNCTION BOX	2.0	EA	\$ 550.00	\$ 1,100.00
VEHICULAR SIGNAL HEADS, 3 SECTION, LED	6.0	EA	\$ 1,100.00	\$ 6,600.00
VEHICULAR SIGNAL HEADS, 5 SECTION, LED	2.0	EA	\$ 1,500.00	\$ 3,000.00
VEHICLE DETECTION SYSTEM	1.0	EA	\$ 12,000.00	\$ 12,000.00
UNIFORMED POLICE OFFICER	8.0	HR	\$ 50.00	\$ 400.00
TRAFFIC SIGNAL CONTINGENCIES (15%)	1.0	LS	\$ 13,500.00	\$ 13,500.00
MOBILIZATION	1.0	LS	\$ 32,000.00	\$ 32,000.00
ADDITIVE ALTERNATE #1 SUB-TOTAL				\$ 315,200.00
ADDITIVE ALTERNATE #2: FBE ACCELERATION/DECELERATION LANES				
ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT
ASPHALT FULL BUILD-UP 385# THICK	560.0	TON	\$ 120.00	\$ 67,200.00
CRUSHED AGGREGATE BASE	3170.0	SY	\$ 24.00	\$ 76,080.00
UNCLASSIFIED EXCAVATION	900.0	CY	\$ 13.00	\$ 11,700.00
BORROW EXCAVATION	1800.0	CY	\$ 16.00	\$ 28,800.00
TRAFFIC CONTROL	1.0	LS	\$ 7,500.00	\$ 7,500.00
EROSION CONTROL	1.0	LS	\$ 7,500.00	\$ 7,500.00
ROADWAY CONTINGENCIES (40%)	1.0	LS	\$ 79,600.00	\$ 79,600.00
MOBILIZATION	1.0	LS	\$ 30,000.00	\$ 30,000.00
ADDITIVE ALTERNATE #2 SUB-TOTAL				\$ 308,380.00

CONSTRUCTION COST TOTAL	\$ 623,580.00
ENGINEERING DESIGN	\$ 45,500.00
SURVEY	\$ 10,000.00
GEOTECHNICAL DESIGN	\$ 6,700.00
GEOTECHNICAL MATERIALS TESTING	\$ 15,500.00
CONSTRUCTION ENGINEERING	\$ 60,000.00
TOTAL PROJECT COST	\$ 761,280.00
REQUIRED CITY MATCH (100%)	\$ 761,280.00

*This estimate does not include costs for any right-of-way or utility relocations other than power service for signal pole.