

DATE: MAY 30th, 2018
TO: ALL GENERAL CONTRACTORS BIDDING
FROM: BFA, Inc.
SUBJECT: BLUFF ROAD IMPROVEMENTS
FEDERAL PROJECT #STP-6400(623)
WASHINGTON, MO 63090

ADDENDUM #2

This Addendum is an integral part of the contract documents and shall be treated as such. Contractor shall acknowledge receipt of this Addendum on the Bid Form.

PROJECT MANUAL:

- Refer to New Bid Sheet.
 - Update Bid Sheet to include 2 message boards from (EFK) Signal Plans, for a total of 5 Portable Message Boards for the project.
 - Updated Rip-rap and Rock Lining quantity.
 - Changed "Relocated Fence Gates" to "Fence Gates". Fence Gates were specified in Addendum #1.

PLANS:

- Sheet IM – 1 – Improvement Plan:
 - Updated culvert size to match Grading Plan and Storm Sewer Plan and Profile.

CLARIFICATIONS:

- Asphalt Index Pricing is at the Contractor's option.
- Shoulder reconstruction near station 22+00 to 25+00 will be paid for as part of the pavement demolition and unit price for aggregate base and asphalt when reconstructed.
- Refer to MoDOT Standard Plan 609.70C for rip rap at 18" culverts. Rip Rap will be MoDOT Type 2 and paid for as a part of the S.Y. per bid sheet "Rip Rap and Rock Lining"
- Existing waterline to be relocated can be abandoned in place.
- Demolished pavement can be used as fill for the profile grade adjustment.

End of Addendum #2

Bluff Road - Sta: 0+00 to 57+49		5/30/2018					
Description	From STA	To STA	Quantity	Unit	Unit Price	Item Total	
<u>Mobilization</u>			1	LS			
<u>Traffic Control</u>							
Portable Message Board			5	EA			
Type 3 Barricade			2	EA			
Channel providers (barrels with lights)			36	EA			
"Detour" Arrow sign (M4-9L/R)			7	EA			
"Road Closed" sign (R11-2)			3	EA			
"Be Prepared To Stop" sign (W3-4)			1	EA			
"Detour" ahead sign (W20-2)			3	EA			
"Road Closed" ahead sign (W20-3)			5	EA			
"Bluff Rd at Hwy 100" special sign			10	EA			
<u>SWPPP</u>							
Synthetic erosion control (silt fence)			1,900	LF			
Inlet/outlet protection			2	EA			
Culvert protection			2	EA			
<u>Demolition</u>							
Cold milling asphalt pavement			1,460	SY			
Sawcut			200	LF			
Pavement demolition			8,160	SY			
Remove 72" CMP Culverts (3 barrels)			1	LS			
Remove 12" culvert			55	LF			
Remove 18" culvert			120	LF			
Demolition fenceline			1,810	LF			
<u>Roadway</u>							
Placing and compacting embankment	0+00	9+50	11,100	CY			
Aggregate base course	0+00	9+50	4,040	SY			
Aggregate base course	35+65	49+10	3,590	SY			
Plant Mix Bituminous Base (BB)	0+20 - 9+50	35+65-49+10	3,310	TON			
Plant Mix Bituminous Pavement (BP-1)	9+50-35+65	49+10-57+49	1,625	TON			
Plant Mix Bituminous Pavement (BP-2)	0+20	57+49	2,250	TON			
Prime coat (1 layer reconstruction) (36,307 s.f.) (.5 gal/yd²)	0+00	0+50	2,017	GAL			
(32,280 s.f.)	35+65	49+10	1,703	GAL			
Tack coat (2 layers reconstruction) (36,307 s.f.) (.05 gal/yd ²)	9+50	35+65	403	GAL			
(32,280 s.f.)	49+10	57+49	359	GAL			
Tack coat (2 layers overlay) (93,574 s.f.) (.08 gal/yd ²)	0+00	9+50	1,664	GAL			
(30,520 s.f.)	35+65	49+10	543	GAL			
Vehicle guard rails			706	LF			
<u>Striping</u>							
Pavement markings - white (4" width)			11,306	LF			
Pavement markings - yellow (4" width)			2,064	LF			
Pavement markings - stop blocks			70	LF			
Pavement arrow markings - white			11	EA			

<u>Traffic Signal & Signs</u>						
Traffic Signal (Hwy 100 & Bluff Road) Temporary Traffic Signal (Hwy 100 & Vossbrink Drive)		Insert itemized total from bid list by EFK Moen				
Relocated signs				3	EA	
<u>Utility</u>						
Adjust manhole to grade				1	LS	
18" RCP piping				130	LF	
18" RCP flared end section				3	EA	
9'W x 7'H precast concrete box culvert				1	LS	
12" CMP culvert				52	LF	
Adjust water valves to grade				2	EA	
12" Waterline relocation				430	LF	
Adjust fire hydrant to grade				2	EA	
12" water valve				2	EA	
<u>Sitework</u>						
Concrete drive replacement				740	SY	
Concrete aggregate base				740	SY	
Concrete curb replacement				275	LF	
Reconstruct gravel drive				40	SY	
Fence (agricultural farm fence)				1,840	LF	
Fence gates				2	EA	
Rip-rap and rock lining				450	SY	
Fill (Overlay topsoil)		9+50	57+49	400	CY	
Adjust mailboxes to grade				7	EA	
Seeding				8,500	SY	
		00+00	57+49			BASE BID
Alternate No. A (Deduct) - Wood Pole Temporary Signal in lieu of Steel Pole Temporary Signal				1	LS	-
		00+00	57+49			BASE BID + ALT No. A
Add Alternate No. 1 - In Pavement Vehicle Detection System (as specified by EFK Moen)				1	LS	
		00+00	57+49			BASE BID + ALT No. A + ALT No. 1

EFK♦Moen, LLC

Civil Engineering Design

City of Washington, Missouri - Bluff Road Reconstruction
Signals Bid Item List

Date Prepared: 4/4/2018

Roadway Base - Summary of Items					
Item No.	Item	Unit	Quantity	Unit Price	Item Total
902-04.13	SIGNAL HEAD, TYPE 3C	EACH	3		
902-04.14	SIGNAL HEAD, TYPE 4C	EACH	1		
902-26.50	150 WATT 120 VOLT HIGH PRESSURE SODIUM LUMINAIRE	EACH	1		
902-35.52	POST, WOOD SPAN WIRE, CLASS IV	EACH	3		
902-35.53	POST, WOOD SPAN WIRE, CLASS IV, FOR 30 FT. LUMINAIRE MTG.	EACH	1		
902-36.01	SPAN WIRE ASSEMBLY, SINGLE MESSENGER	LF	120		
902-36.02	SPAN WIRE ASSEMBLY, SINGLE MESSENGER WITH TETHER	LF	340		
902-42.83	CONTROLLER ASSEMBLY HOUSING, NEMA TS2 CONTROLLER	EACH	1		
902-53.00	CONDUIT, 3 IN., TRENCH WITH TRACER WIRE	LIN. FT.	58		
902-74.00	CONDUIT, 4 IN., PUSHED WITH TRACER WIRE	LIN. FT.	201		
902-81.00	CABLE, 10 AWG 1 CONDUCTOR, POWER AND BRACKET	LIN. FT.	90		
902-83.02	CABLE, 12 AWG 2 CONDUCTOR	LIN. FT.	80		
902-83.11	CABLE, 16 AWG 7 CONDUCTOR	LIN. FT.	1480		
902-88.11	PULL BOX, PREFORMED CLASS 2	EACH	2		
902-88.21	PULL BOX, CONCRETE, DOUBLE, TYPE A	EACH	1		
902-91.00	BASE, CONCRETE	CY	1.93		
902-99.01	TEMPORARY TRAFFIC SIGNALS, LIGHTING, & VEHICLE DETECTION	LS	1		
902-88.81	CHANGEABLE MESSAGE SIGN BOARDS & ADVANCE SIGNAGE	LS	1		
902-99.01	TRAFFIC SIGNAL MAINTENANCE AND PROGRAMMING	LS	1		
902-99.02	NETWORK CONNECTED SIGNAL MONITOR	EACH	1		
902-99.01	VIDEO DETECTION SYSTEM (REMOVE & REUSE EXISTING SYSTEM)	LS	1		
902-08.33	SH-FLAT SHEET SIGNAL SIGN	SQFT	46		
910-99.02	INSTALL COMMUNICATION EQUIPMENT	EACH	1		

moved item

Roadway Add Alternate No. 1 - Summary of Items					
Item No.	Item	Unit	Quantity	Unit Price	Item Total
902-99.01	IN PAVEMENT VEHICLE DETECTOR SYSTEM	LUMP	1		

