ADDENDUM # 1

Lewis County Bridge Replacement Bridge #07100201 on County Road 336 Federal Project BRO-B056(14) 1/16/2018

The bid opening date for this project has been changed from 10:00 a.m. on Monday, January 22nd, 2018 to **10:00 a.m. on Monday, January 29th, 2018.**

Please utilize the attached Bidding Form for bidding purposes. Note the change in quantity of Type "A" Guardrail.

Please replace Sheet 3 of 24 of the Plans with the attached revised Sheet 3 of 24. Note the change in quantity of Type "A" Guardrail.

Please acknowledge receipt of Addendum #1 on the bid form

BIDDING FORM

(work to be completed by contractor only)

LEWIS COUNTY BRIDGE REPLACEMENT BRIDGE NO.07100201

BRO-B056(14)

ROADWAY					
ITEM NO.	ITEM	UNITS	QUANTITY	UNIT PRICE	AMOUNT
201-99.01	CLEARING AND GRUBBING	L.S.	1		
203-50.00	UNCLASSIFIED EXCAVATION	C.Y.	750		
203-55.00	EMBANKMENT IN PLACE	C.Y.	4,577		
203-60.00	COMPACTED EMBANKMENT	C.Y.	1260		
304-5.04	TYPE 5 AGGREGATE FOR BASE	TON	310		
611-30.20	FURNISHING TYPE 2 ROCK BLANKET	C.Y.	725		
611-30.40	PLACING TYPE 2 ROCK BLANKET	C.Y.	725		
609-60.30A	FURNISHING TYPE 3 ROCK DITCH LINER	C.Y.	50		
609-60.43	PLACING TYPE 3 ROCK DITCH LINER	C.Y.	50		
616-10.05	CONSTRUCTION SIGNS	S.F.	45		
616-10.30	TYPE III TEMPORARY BARRICADES	EACH	2		
618-10.00	MOBILIZATION	L.S.	1		
624-1.04A	SEPARATION GEOTEXTILE	S.Y.	975		
805-20.00A	SEEDING - WARM SEASON MIXTURES	ACRE	1		
806-10.22	TYPE II DITCH CHECKS	EACH	9		
806-10.19	SILT FENCE	L.F.	412		
627-40.00	CONTRACTOR FURNISHED SURVEYING AND STAKING	L.S.	1		
606-23.00	TRANSITION SECTION	EACH	3		
606-30.00	TERMINAL SECTION	EACH	3		
606-10.10	TYPE "A" GUARDRAIL	L.F.	137.5		
606-99.02	FLARED END SECTION	EACH	1		

SUBTOTAL:

BRIDGE

		=		UNIT	
ITEM NO.	ITEM	UNITS	QUANTITY	PRICE	AMOUNT
206-10.00	CLASS 1 EXCAVATION (FOR STRUCTURE)	C.Y.	650		
216-05.00	REMOVAL OF EXISTING STRUCTURE	L.S.	1		
702-10.10	STRUCTURAL STEEL PILES (10 INCH)	L.F.	222		
702-60.00	PRE-BORE FOR PILING	L.F.	210		
703-42.01	CLASS B-1 CONCRETE (4000 psi)	C.Y.	51		
703-42.14	CLASS B-2 CONCRETE (4000 psi)	C.Y.	95		
606-10.10	THRIE BEAM RAIL	L.F.	325		
716-10.03	LAMINATED BEARING PADS (TAPERED)	EACH	8		
716-20.00	LAMINATED BEARING PADS (@ INT. BENT)	EACH	8		
716-99.02	TAPERED SOLE PLATE	EACH	8		
717-30.01	SILICONE EXPANSION JOINT SEALANT SYSTEM	L.F.	25		
701-11.06	DRILLED SHAFTS (4 FT DIA.)	L.F.	15		
701-12.05	ROCK SOCKETS (3 FT. 6 IN. DIA.)	L.F.	7		
701-14.00	FOUNDATION INSPECTION HOLES	L.F.	20		
712-10.10	W44x230 STEEL GIRDER	EACH	4		
712-10.10	W27x84 STEEL GIRDER	EACH	4		
705-99.04	PRECAST BRIDGE PANELS	S.F.	2,595		
706-10.60	REINFORCING STEEL (Gr. 60)	LB.	28,378		
				SUBTOTAL:	

TOTAL CONSTRUCTION:

(PLEASE PRINT OR TYPE BID AMOUNT)

Contractor:	
Representative	
	(please print or type name and title along with signature of the individual that completed this bid)
Phone:	
Address:	
Fax:	

SUMMARY OF QUANTITIES

					ORDER OF BRIDGE (QUANTITIES						
	10.10.10		CONC	RETE	REINFORCING STEEL	CLASS 1 EXCAVATION	W44x230	W27x84	LAMINA TED BEARING	LAMINA TED BEARING		THRIE BEAM
LOCA TION	HP 10x42 Lin. Ft.	PRE-BORE Lin. Ft.	CLASS B2 Cu. Yds.	CLASS B1 Cu. Yds.	GRADE 60 Ibs.	(FOR STRUCTURE) Cu. Yds.	STEEL I GIRDER EACH	STEEL I GIRDER EACH		PAD (@ INT. BENT) each	DECK PANEL sq. ft.	RAIL lin. ft.
Substr. Total	222	210		51	3,260							
Superstr. Total			95		25,118	650	4	4	8	8	2,595	325
Total	222	210	95	51	28,378	650	4	4	8	8	2,595	325

* NOTE: ONLY STEEL PILE HP 10 x 42 SHALL BE USED ON THIS PROJECT. H-PILE TO BE PRE-BORED A MINIMUM OF 6 FEET INTO SOLID BEDROCK. ELEVATIONS MAY BE ADJUSTED IF DEEMED NECESSARY BY ENGINEER.

DATA	HP	10x42	-
1			3
5			4
18			33
55			55
12,375			12,375
586.9			570.5
604.9 N/A			603.5 N/A
	1 5 18 55 12,375 586.9 604.9	1 5 18 55 12,375 586.9 604.9	1 5 18 55 12,375 586.9 604.9

CONTRACTOR SHALL INSTALL CAST STEEL DRIVING POINTS ON ALL PILES. CAST STEEL MATERIALS SHALL BE ASTM A27 65/35 OR BETTER. COSTS OF PROVIDING AND INSTALLING PILE TIP REINFORCEMENT SHALL BE CONSIDERED INCIDENTAL TO THE COST OF INSTALLING STRUCTURAL STEEL PILES.

HYDROLOGIC DATA	
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DRAINAGE AREA = 240 SQ. MI.
DESIGN FREQUENCY = 25 YEAR
DESIGN DISCHARGE = 14,439 CFS
MAXIMUM BACKWATER FOR DESIGN FREQUENCY = 0.04 FT.
DESIGN HIGH WATER ELEV. AT THE STRUCTURE = 602.13 FT.
LOW ELEV. OF SUPERSTRUCTURE = 604.4 FT.

BASIC FLOOD DATA

100 – YEAR DISCHARGE = 20,133 CFS 100 – YEAR HIGH WATER ELEV. AT THE STRUCTURE = 605.23 FT. APPROACH ROADWAY OVERTOPPING FREQUENCY = 10 YR.

RECAPITULATION OF ROAD	D QUANTI	TIES				
ITEM	QUANTITY	UNIT				
REMOVAL OF EXISTING STRUCTURE	1	L.S.				
CLEARING AND GRUBBING	1	L.S.				
UNCLASSIFIED EXCAVATION	750	C. Y.				
EMBANKMENT-IN-PLACE	4,577	С. Ү.				
COMPACTED EMBANKMENT	1,260	С. Ү.				
TYPE 5 AGGREGATE FOR BASE	310	TONS				
FURNISHING TYPE II ROCK BLANKET	725	С. Ү.				
PLACING TYPE II ROCK BLANKET	725	С. Ү.				
CONSTRUCTION SIGNS	45	S.F.				
TYPE III TEMPORARY BARRICADES	2	EA.				
MOBILIZATION	1	L.S.				
SEPARATION GEOTEXTILE FABRIC	975	<i>S.Y</i> .				
CONTRACTOR FURNISHED SURVEYING & STAKING	1	<i>L.S</i> .				
SEEDING, FERTILIZING AND MULCHING	1	A. C.				
SILT FENCE	412	L.F.				
TYPE II DITCH CHECKS	9	EA.				
TRANSITION SECTION	3	EA.				
TERMINAL SECTION	3	EA.				
TYPE "A" GUARDRAIL	137.5	L.F.				
FLARED END SECTION	1	EA.				
FURNISHING TYPE 3 ROCK DITCH LINER	50	C. Y.				
PLACING TYPE 3 ROCK DITCH LINER	50	С. Ү.				

TAPERED SOLE PLATE EACH	DRILLED SHAFT W/ PERM. CASING lin. ft.	ROCK SOCKET lin. ft.	FOUNDATION INSPECTION HOLES lin. ft.	SILICONE EXPANSION JOINT SEALANT SYSTEM lin. ft.	BENT
				25	FOUNDAT DESIGN E
8	15	7	20		DESIGN S
8	15	7	20	25	

BO	RING LOG NO.						e 1 of 1	1	BORING L	OG NO.	B- 2	2			Page	e 1 of 1			
PROJECT: Lewis County Bridge 07100201	CLIENT: P	CLIENT: Poepping, Stone, Bach & Associates, Inc. Quincy, Illinois					nc.		PROJECT: Lewis County Bridge 07100201 SITE: Clark County Road 336	CLIENT: Poepping, Stone, Bach & Associates, Inc. Quincy, Illinois									
La Belle, Missouri							-		SITE: Clark County Road 336 La Belle, Missouri										
LOCATION See Exhibit A-3 Latitude: 40,160727* Longitude: -91.862593* Approx. Exist. Surface Elevation = 600.3 DEPTH		DEPTH (Ft.)	WATER LEVEL OBSERVATIONS SAMPLE TYPE	RECOVERY (In.)	FIELD TEST RESULTS	SAMPLE NUMBER	LABORATORY TORVANE/HP (psl)	WATER CONTENT (%)	COCATION See Exhibit A-3 Latitude: 40.160396* Longitude: -91.862623* Approx. Exist. Surface Elevation = 602.5 DEPTH		DEPTH (FL)	WATER LEVEL OBSERVATIONS SAMDLE TYDE	RECOVERY (In.)	FIELD TEST RESULTS	SAMPLE NUMBER	LABORATORY TORVANE/HP (psi)	CONTENT (%)	POEPPING, STONE, BACH & ASSOCIATES, INC. ACHTECTS ENGINEERS FLANGERS SURFORS	
<u>0.7 GRAVEL ROAD SURFACE</u> , 8" <u>SAND (SP)</u> , with clay and gravel, medium grained medium dense	, brown, very loose to	-			5-5-5				<u>AGRAVEL ROAD SURFACE</u> , 4" <u>SANDY FAT CLAY (CH)</u> , brown, stiff		-			2-3-5		3000	_	E, BACH &	
		5-	×	14	5-5-5 N=10	1		12			5-		14	2-3-5 N=8	1	3000 (HP)	18	G, STON	
		- - 10-	X	12	1-1-1 N=2	2		15	9.0 HIMESTONE, white. slightly weathered, hard Auger Refusal at 10 Feet		- - 10-		0	26-50/4" 50/0"	2		10	POEPPIN	
trace clay and gravel		- - 15-	×	8	2-3-3 N=6	3		17	MTE 331-14.GPJ 10										
18.5 <u>CLAYEY SAND (SC</u>), brown, with gray, medium d	ense	20-	×	14	3-3-4 N=7	4		24	SPJ TEMPLATE UPC										
22.0 <u>SAND (SP)</u> , medium to coarse grained, gray, brov loose 24.0 <u>LIMESTONE</u> , light gray and white, slightly weather		-	×	8	5-50/4"	5		19	ELL 0914001.0										
gray and dark gray		25- - -			Rec. = 100% RQD = 70%	R1			ART LOG-NO W										
		- 30- -			Rec. = 100%				EPORT. GEO SM										
35,0 Boring Terminated at 35 Feet		- 35-			RQD = 52%	R2			OM ORGINAL R				222	am				1201	
Stratification lines are approximate. In-situ, the transition may be a	gradual.		Hammer 1	Type: Aut	tomatic SPT Hamm	her			Stratification lines are approximate. In-situ, the transition may be gradual.	4	Ę.	- To	F A	115 c	h/-	1		7100	
Home rotary wash bore proce See A proce homent Method: See A vrine backfilled with soil cuttings upon completion, abbre	xhibit A-4 for description of field dures ppendix B for description of laborato dures and additional data (if any), ppendix C for explanation of symbol visitions, on and telepariment	ry	otes:						Advancement Method: Sold-stem augers Sold-stem augers So	scription of laborator rai data (it any) planation of symbols	and	Notes	TTH	EW B.		en }		BRIDGE #07100201 BRO-B056(14)	
Eleva WATER LEVEL OBSERVATIONS Groundwater not encountered	tions were not determined. 3601 Mojave Court, Suite A Columbia, Missouri	Dr	II Rig: CM	ted: 9/18/2 ME-550X : 0914505	Drille			014	WATER LEVEL OBSERVATIONS Groundwater not encountered	Court, Sulte A		or IRE C		BER Boring 000648Drille 51 Erfille	completed	9/18/201	4	Sheet	
										ų	R	SIC	NA	TER	₽ -	6-1	7	3 of 1	

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FOOTING DATA						
T NO.	2					
A TION MATERIAL	LIMESTONE					
V END BEARING	25 K.S.F.					
SKIN FRICTION	2 K.S.F.					

#1

urveyed XXX Date 10/2017

Drawn MBW Checked MJP

cale NOTED

RH-14-