

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

ITEM NO.	ITEM	UNITS	QUANTITY	UNIT 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

LOCATION	ITEM	HP 10x42 Lin. Ft.	PRE-BORE Lin. Ft.	CONCRETE		REINFORCING STEEL	CLASS 1 EXCAVATION (FOR STRUCTURE)	W44x230 STEEL I GIRDER	W27x84 STEEL I GIRDER	LAMINATED BEARING PAD (TAPERED)	LAMINATED BEARING PAD (@ INT. BENT)	DECK PANEL	THRIE BEAM RAIL
				CLASS B2 Cu. Yds.	CLASS B1 Cu. Yds.	GRADE 60 lbs.	Cu. Yds.	EACH	EACH	each	each	sq. ft.	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.

STEEL PILE DATA		HP 10x42	
BENT NO.	1	2	3
NUMBER	5		4
APPROXIMATE LENGTH FT.	18		33
DESIGN BEARING TONS	55		55
HAMMER ENERGY REQUIRED FT. LBS.	12,375		12,375
ESTIMATED TIP ELEVATION	586.9		570.5
CUT OFF ELEVATION	604.9		603.5
PRE-BORE	N/A		N/A

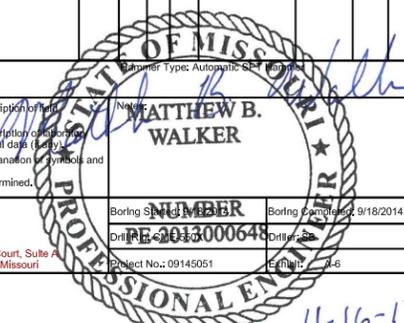
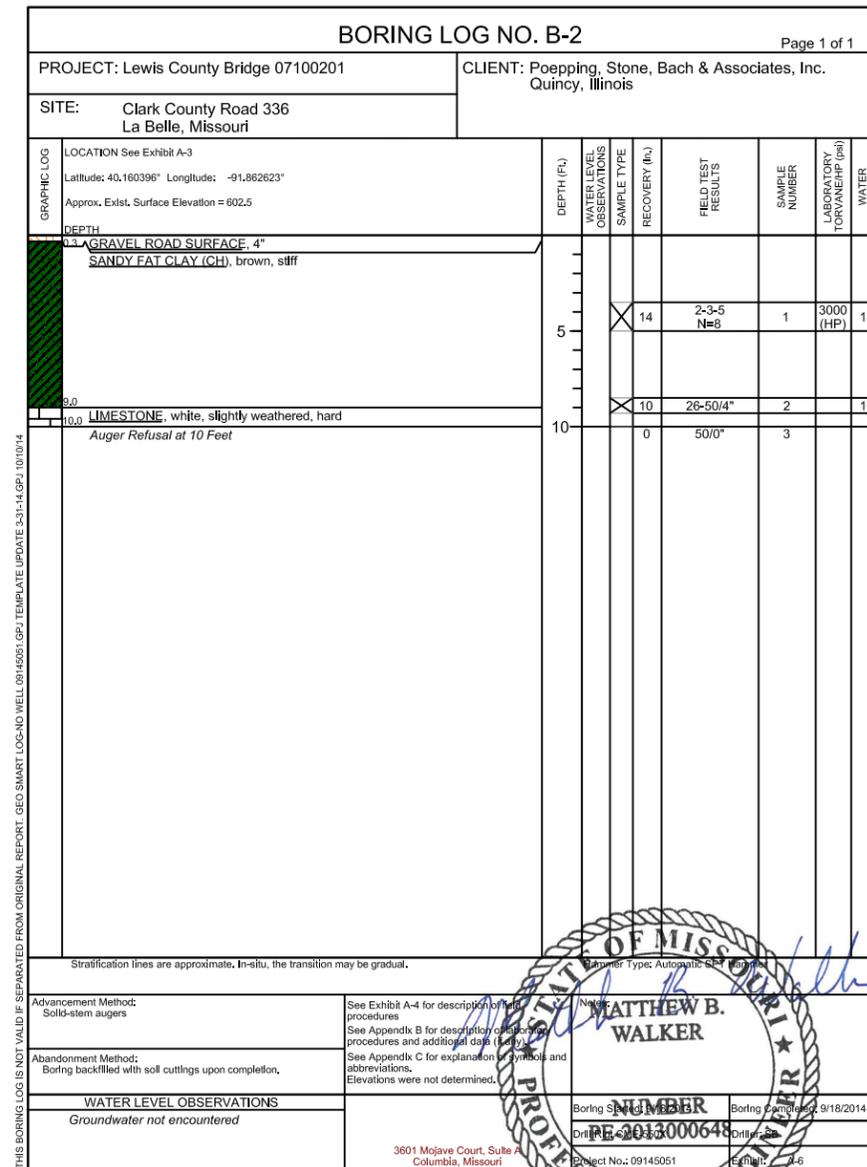
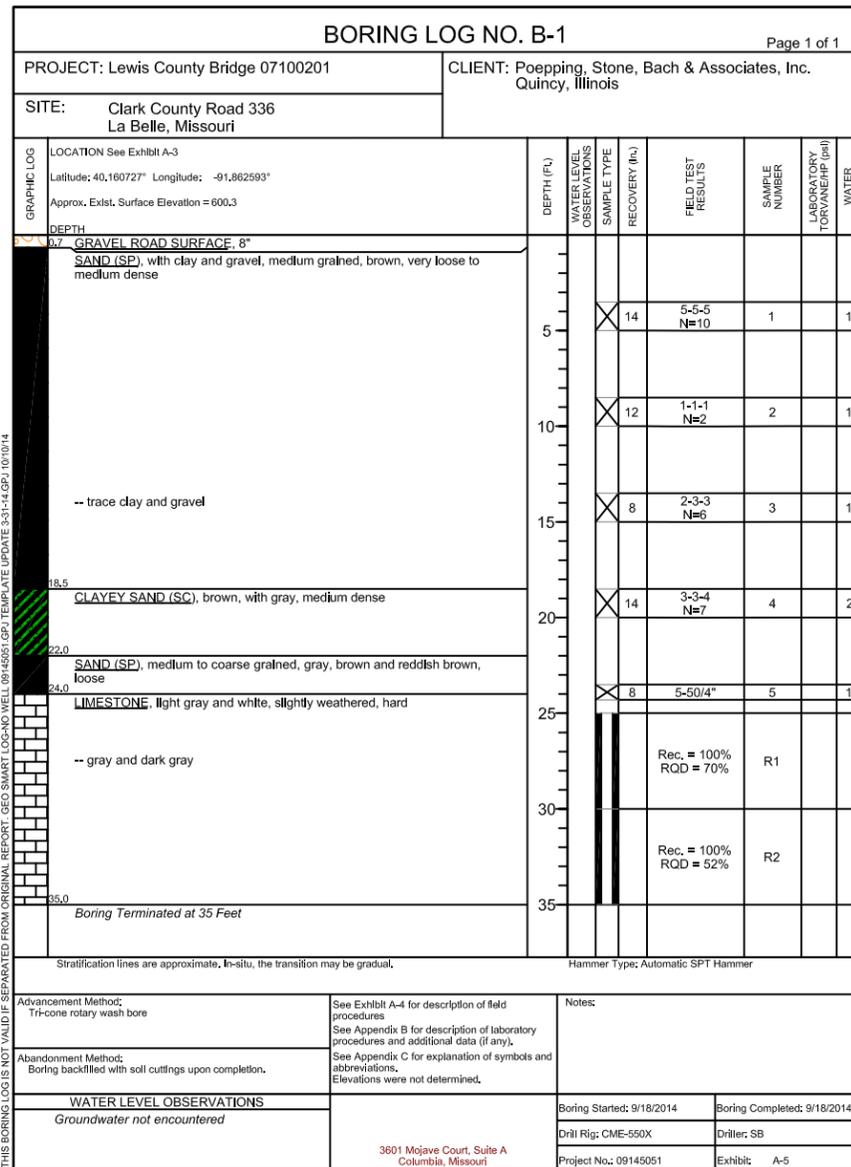
TAPERED SOLE PLATE EACH	DRILLED SHAFT W/ PERM. CASING lin. ft.	ROCK SOCKET lin. ft.	FOUNDATION INSPECTION HOLES lin. ft.	SILICONE EXPANSION JOINT SEALANT SYSTEM lin. ft.
---				25
8	15	7	20	
8	15	7	20	25

FOOTING DATA	
BENT NO.	2
FOUNDATION MATERIAL	LIMESTONE
DESIGN END BEARING	25 K.S.F.
DESIGN SKIN FRICTION	2 K.S.F.

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
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 QUANTITIES		
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	C.Y.
COMPACTED EMBANKMENT	1,260	C.Y.
TYPE 5 AGGREGATE FOR BASE	310	TONS
FURNISHING TYPE II ROCK BLANKET	725	C.Y.
PLACING TYPE II ROCK BLANKET	725	C.Y.
CONSTRUCTION SIGNS	45	S.F.
TYPE III TEMPORARY BARRICADES	2	EA.
MOBILIZATION	1	L.S.
SEPARATION GEOTEXTILE FABRIC	975	S.Y.
CONTRACTOR FURNISHED SURVEYING & STAKING	1	L.S.
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	C.Y.



#1	TYPE 'A' RAIL QTY.	1/16/18	Date
10/2017	XXX	10/2017	Date
Scale	NOTED		Scale
Drawn	MBW		Field Book
Checked	MJP		Project No.
			RH-14-502

PSBA
 POEPPING, STONE, BACH & ASSOCIATES, INC.
 ARCHITECTS ENGINEERS PLANNERS SURVEYORS
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BRIDGE #07100201
BRO-B056(14)
LEWIS COUNTY, MISSOURI
QUANTITIES

Sheet
3
 3 of 24 Sheets
 File No.