ADDENDUM NO. 1 TO BRO -B080(29) BRIDGE NO 36400031 PETTIS COUNTY, MISSOURI

December 17, 2012

You are instructed to read and note the following described changes, corrections, clarifications, omissions, deletions, additions, approvals and statements pertinent to the Construction Documents.

Addendum No. 1 is a part of the Contract Bid and Construction Documents and shall govern in the performance of the Work.

- 1) Sheet 2 of 18, Typical Roadway cross sections, the geotextile under the 4" aggregate base shall be removed, it is not required for this project. No revised sheet will be issued at this time.
- 2) Sheet 6 of 18 revised bid items, item 26, "SL-1 Rail on Bridge". Revised sheet attached.
- 3) Sheet 10 of 18, intermediate diaphragms have been revised to be square, revised connections for the end diaphragms, 5/16" bent plate shall be used for all diaphragms. Revised sheet attached
- 4) Sheet 12 of 18, revised spacing of the SL-1 rail posts to be 8'-4", pay length is now 75'-0", per side. Revised sheet attached.
- 5) Sheet 12 of 18, Section A-A anchor bolt diameter shall be 1". Revised sheet attached.
- 6) Revised Itemized Proposal Forms are attached. Bidder shall use these forms to submit their bid.

ACKNOWLEDGEMENT:	Each Bidder shall acknowledge receipt of Addendum No. 1 by their signature affixed hereto and shall file Addendum No. 1 with their bid.
	Signature of Bidder
	Contractor
	By:
	Title:
	Data

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Signature:

Name:

ITEMIZED PROPOSAL WORK PERFORMED BY THE CONTRACTOR

LINE		DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT	
ROADWAY ITEMS							
1	202.3	Removal of Existing Improvements	L.S.	1			
2	403	3" Hot Mix Asphalt	S.Y.	977			
3	310	4" Crushed Stone Base	S.Y	1,026			
4	805	Seeding (includes Fertilizing and Mulching)	AC.	0.4			
5	201	Clearing and Grubbing	AC.	0.4			
6	203	Embankment in Place	C.Y.	1,551			
7	618	Mobilization	L.S.	1			
8	806	Silt Fence	L.F.	900			
9	806	Straw Bale Ditch Check	EACH	6			
10	607	12ft Gate	EACH	2			
SIGN	ING ITEN	Roadway Subto			l		
11	616	Type III Moveable Barricades	EACH	4			
12	616	Construction Signs	EACH	6			
Signing Subtotal							
		ACKNOWLEDGEMENT: Each Bidder shall acknowledge receipt of addenda by their signature affixed hereto and addendum noted		Addendum No.(s)	<u> </u>		
		Contractor:		Phone:			

Date:

(please print)

Name:

ITEMIZED PROPOSAL WORK PERFORMED BY THE CONTRACTOR

LINE		DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
BRIDGE ITEMS						
13	216	Removal of Existing Structure	L.S.	1		
14	206	Excavation for Structures	C.Y.	64		
15	606	Guardrail Transition Section	EACH	4		
16	606.1	Type A Crashworthy End Terminal	EACH	4		
17	611	Type II Rock Blanket	C.Y.	308		
18	624	Geotextile Fabric	S.Y.	222		
19	702	HP10X42 Steel Piles	L.F.	144.0		
20	703	Class B2 Concrete	C.Y.	133.2		
21	716.1	Plain Neoprene Bearing Pads	EACH	8		
22	712	Structural Steel	Lbs.	48,270		
23	712	2" Type "C" 18 Gage Metal Deck	S.F.	1,721		
24	760	Reinforcing Steel (Grade 60)	Lbs.	6,850		
25	760	Epoxy Coated Reinforcing Steel (Grade 60)	Lbs.	12,350		
26	713	SL-1 Rail on Bridge	L.F.	150		
		Bridge Sub	ototal			
		Total Contr	actor			
		ACKNOWLEDGEMENT: Each Bidder shall acknowledge receipt of addenda by their signature affixed hereto and addendum noted		Addendum No.(s)		
Contractor:			-	Phone:		
		Signature:		Date:		

(please print)

SUMMARY OF QUANTITIES BRO-B080(29)						
ITEM						
NO.	ITEM DESCRIPTION			QUANTITY		
ROAD	WAY ITEN	ЛS				
1	202.3	Removal of Existing Improvements	L.S.	1		
2	403	3" Hot Mix Asphalt	S.Y.	977		
3	310	4" Crushed Stone Base	S.Y	1,026		
4	805	Seeding (includes Fertilizing and Mulching)	AC.	0.4		
5	201	Clearing and Grubbing	AC.	0.4		
6	203	Embankment in Place	C.Y.	1,551		
7	618	Mobilization	L.S.	1		
8	806	Silt Fence	L.F.	900		
9	806	Straw Bale Ditch Check	EACH	6		
10	607	12ft Gate	EACH	2		
SIGNIN	IG ITEMS					
11	616	Type III Moveable Barricades	EACH	4		
12	616	Construction Signs	EACH	6		
BRIDG	E ITEMS					
13	216	Removal of Existing Structure	L.S.	1		
14	206	Excavation for Structures	C.Y.	64		
15	606.1	Guardrail Transition Section	EACH	4		
16	606	Type A Crashworthy End Terminal	EACH	4		
17	611	Type II Rock Blanket	C.Y.	308		
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21	716.1	Plain Neoprene Bearing Pads	EACH	8		
22	712	Structural Steel	LBS	48,270		
23	712	2" Type "C" 18 Gage Metal Deck	S.F.	1,721		
24	760	Reinforcing Steel (Grade 60)	LBS	6,850		
25	760	Epoxy Coated Reinforcing Steel (Grade 60)	LBS	12,350		
26	713	SL-1 Rail on Bridge	L.F.	150		

- 1. QUANTITIES SHOWN ON THESE PLANS ARE NOT GUARANTEED BY THE COUNTY COMMISSION AND ARE USED SOLELY FOR THE PURPOSE OF COMPARING BIDS AND AWARDING THE CONTRACT, AND MAY OR MAY NOT REPRESENT THE ACTUAL QUANTITIES ON THE JOB, SEE SPECIFICATIONS.
- 2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SUBMIT FORM 106, TO MISSOURI DEPARTMENT OF NATURAL RESOURCES, HISTORIC PRESERVATION PROGRAM FOR ANY BORROW AREAS TO BE USED ON THIS PROJECT.
- 3. MoDOT AND FHWA MAY MAKE INSPECTIONS OF THE WORK AND THE CONTRACTOR SHALL GRANT THEM ACCESS TO
- 4. ANY ITEM SHOWN IN THE PLANS WITHOUT A BID ITEM SHALL BE CONSIDERED SUBSIDIARY TO ANOTHER ITEM BID.

	PILI	E DATA		
	ABUTMENT		END BENT 1	END BENT 2
DE45040	PILE TYPE AND SIZE		HP 10X42	HP 10X42
BEARING PILES	NUMBER		6	6
,,	APPROXIMATE LENGTH EA.	(FT)	12.0	12.0
	DESIGN BEARING	(TONS)	44	44
	HAMMER ENERGY REQ'D.	(FT-LBS)	9900	9900
	PILE TIP ELEV.	(FT)	187.00	187.00

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MINIMUM ENERGY REQUIREMENT OF HAMMER IS BASED ON PLAN LENGTH AND DESIGN BEARING VALUE OF PILES. ALL PILES SHALL BE DRIVEN TO PRACTICAL REFUSAL.

GENERAL NOTES:

DESIGN SPECIFICATION:

2002 - AASHTO 17th EDITION LOAD FACTOR DESIGN SEISMIC PERFORMANCE CATEGORY A FOR MATERIALS AND CONSTRUCTION PROCEDURES THE CONTRACTOR SHALL FOLLOW THE SPECIFICATIONS AS STATED IN THE "MISSOURI CONSTRUCTION SPECIFICATIONS FOR HIGHWAY CONSTRUCTION 2011 AS AMENDED OR SUPPLEMENTED."

DESIGN LOADING:

TRUCK HS20-44 EQUIVALENT FLUID PRESSURE 45 LBS. CU. FT. SUPERSTRUCTURE: SIMPLY-SUPPORTED, NON-COMPOSITE FOR DEAD LOAD. COMPOSITE FOR LIVE LOAD.

DESIGN UNIT STRESSES:

CLASS B2 CONCRETE F'c = 4000 PSI REINFORCING STEEL (GRADE 60) Fy = 60000 PSI STRUCTURAL STEEL= A709 GRADE 50 STEEL PILING= A709 GRADE 50

NEOPRENE BEARINGS:

BEARINGS SHALL BE 60 DUROMETER NEOPRENE PADS.
THE NEOPRENE PAD SHALL BE BONDED TO THE BEARING SEAT WITH AN EPOXY ADHESIVE AS APPROVED BY THE BEARING MANUFACTURER FOR BONDING NEOPRENE TO CONCRETE.

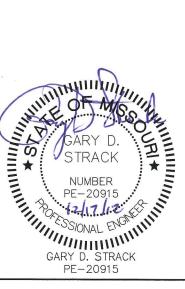
REINFORCING STEEL:

MINIMUM CLEARANCE TO REINFORCING STEEL SHALL BE 11/2", UNLESS OTHERWISE SHOWN. E.F. DENOTES EACH FACE. F.F. DENOTES FAR FACE AND N.F. DENOTES NEAR FACE.

ACCEPTANCE OF STRUCTURAL STEEL:

THE FOLLOWING PROCEDURES HAVE BEEN ESTABLISHED FOR THE ACCEPTANCE OF STRUCTURAL STEEL. SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. THE APPROVAL WILL COVER ONLY THE GENERAL DESIGN FEATURES, AND IN NO CASE SHALL THIS APPROVAL BE CONSIDERED TO COVER ERRORS OR OMISSIONS IN THE SHOP DRAWINGS. THE CONTRACTOR SHALL UTILIZE A FABRICATOR THAT MEETS THE APPROPRIATE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) CERTIFICATION PROVISIONS AS STATED IN SECTION 712.3.1.6 OF THE 1999 MISSOURI STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. ALL WELDING OPERATIONS, INCLUDING MATERIAL AND PERSONNEL, SHALL MEET THE AMERICAN WELDING SOCIETY (AWS) SPECIFICATIONS. THE LOCAL AGENCY OR THEIR CONSULTANT HAS THE OPTION OF INSPECTING THE STEEL UNITS DURING FABRICATION OR REQUIRING THE FABRICATOR TO FURNISH A CERTIFICATION COMPLIANCE AND SUBSTANTIATING TEST REPORTS. IN ADDITION, THE FOLLOWING REPORTS WILL BE REQUIRED:

- 1. CERTIFIED MILL TEST REPORTS, INCLUDING RESULTS OF CHEMICAL AND PHYSICAL TESTS ON ALL STRUCTURAL STEEL AS FURNISHED; AND
- 2. NON-DESTRUCTIVE TESTING REPORTS.



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HAFER,

GENERAL NOTES AND QUANTITIES PETTIS CO. BRO-B080(29) QUISENBERRY ROAD BRIDGE SEDALIA, MISSOURI

SHEET NO. 6 OF 18

