

ADDENDUM NO. 1

TO: All Holders of Plans and Contract Documents for the Gamble Road Bridge No. 2390003 Replacement, BRO-B068(014) Moniteau County, Missouri ISSUED: November 12, 2019

Name of Bidder:

Receipt Acknowledged By

This Addendum is hereby made a part of the Contract Documents to the same extent as if it were originally included herein. This Addendum shall be inserted in the Contract Documents and submitted with the Bid, and includes the following items:

CONTRACT DOCUMENTS:

1) Specification: Notice to Contractors, Par. (3) Period of Performance, Change Completion Date from March 31, 2020 to June 30, 2020.

CONTRACT DOCUMENTS:

1) Plan Sheet 17, replace MSKT-SP-MGS with NCHRP 350 SKT-SP TL2 for the End Terminal to eliminate midspan splice.

Anderson Engineering, Inc.

Saug) Shack

Gary D. Strack, P.E., F.NSPE, SECB

NOTICE TO CONTRACTORS

Sealed bids, addressed to Moniteau County Commission, 200 E Main Street, California Missouri 65018 for the proposed work will be received by the Moniteau County Commission until 10:00 AM (prevailing local time) on Thursday, December 12th 2019 that the office of the Moniteau County Commission, and at that time will be publicly opened. Bids should be delivered to: 200 E Main Street, California Missouri 65018.

(1) **<u>PROPOSED WORK:</u>** The proposed work, hereinafter called the work, includes:

Removal and replacement of the existing bridge and associated approach roadways.

(2) <u>COMPLIANCE WITH CONTRACT PROVISIONS</u>: The bidder, having examined and being familiar with the local conditions affecting the work, and with the contract, contract documents, including the current version of the Missouri Highways and Transportation Commission's "2019 Missouri Standard Specifications for Highway Construction," and "Missouri Standard Plans for Highway Construction" (if applicable), their revisions, and the request for bid, including appendices, the special provisions and plans, hereby proposes to furnish all labor, materials, equipment, services, etc., required for the performance and completion of the work. All references are to the 2019 Missouri Standard Specifications for Highway Construction, as revised, unless otherwise noted.

The following documents are available on the Missouri Department of Transportation web page at www.modot.mo.gov under "Business with MoDOT" "Standards and Specifications". The effective version shall be determined by the letting date of the project.

General Provisions & Supplemental Specifications

Supplemental Revisions to Missouri Standard Plans For Highway Construction (if applicable)

These supplemental bidding documents contain all current revisions to the bound printed versions and have important legal consequences. It shall be conclusively presumed that they are in the bidder's possession, and they have been reviewed and used by the bidder in the preparation of any bid submitted on this project.

Please note that within the above-listed documents, the term "Commission" shall be replaced with the term, "Moniteau County Commission", and the term "Engineer" is a reference to the Engineer of Record from Anderson Engineering, Inc.

The contracting authority for this contract is Moniteau County Commission.

(3) <u>PERIOD OF PERFORMANCE:</u> If the bid is accepted, the bidder agrees that work shall be diligently prosecuted at such rate and in such manner as, in the judgment of the engineer, is necessary for the completion of the work within the time specified as follows in accordance with Sec 108:

Calendar Days: 120 Completion Date: June 30, 2020

(4) <u>LIQUIDATED DAMAGES</u>: The bidder agrees that, should the bidder fail to complete the work in the time specified or such additional time as may be allowed by the engineer under the contract, the amount of liquidated damages to be recovered in accordance with Sec 108 shall be as follows:

Liquidated damages per day \$ 700.00





SKT END SECTION IS SHOWN FOR ILLUSTRATIVE PURPOSES, OTHER SIMILAR PRODUCTS ARE ACCEPTABLE.



3. The lower sections of the hinged posts should not be driven with the upper post attached. If the post is placed in a drilled hole, the backfill material must be satisfactorily ompacted to prevent settlement

oil plate may be trimmed if required.

N.T.S.

- NEUTRAL AXIS

3¼" 11⁄8"

DRILL & TAP 3/4"-10 UNC THROUGH

 $-\frac{3}{4}$ " PLATE

 $1\frac{1}{8}$ "Ø HOLE, 2 PLACES

DRILL & TAP 3/8"-16 UNC THROUGH

DESIGN CRASH TESTED FOR AASHTO SERVICE LEVEL 1 AND WILL PROVIDE AN EQUIVALENT TL-2 RATING IN ACCORDANCE WITH THE CRITERIA OF NCHRP REPORT

ALL BOLTS, NUTS, WASHERS AND PLATES ARE CONSIDERED AS PART OF THE RAIL

ALL STEEL CONNECTING BOLTS, POSTS, RAILING, ANCHOR BOLTS, NUTS, WASHERS AND PLATES SHALL BE GALVANIZED AFTER FABRICATION. FOR PROTECTIVE COATING AND MATERIAL REQUIREMENTS, SEE SECTION 1040.

TAPPED HOLES IN BASE PLATE SHALL BE SUFFICIENTLY OVERSIZED TO ACCOMMODATE GALVANIZED BOLTS.

RAIL POSTS SHALL BE SET PERPENDICULAR TO ROADWAY PROFILE GRADE AND VERTICALLY IN CROSS SECTION.

 $\frac{1}{2}$ % x $\frac{1}{4}$ " BUTTON HEAD OVAL SHOULDER BOLTS WITH HEX NUTS SHALL BE PROVIDED AT ALL SLOTS IN RAIL SPLICES (THICKNESS OF HEX NUTS = $\frac{3}{8}$ ").

MINIMUM LENGTH OF THRIE BEAM RAIL SECTION IS EQUAL TO ONE POST SPACE.

THRIE BEAM RAIL SHALL BE MADE OF STEEL AND SHALL BE 12 GAGE.

BASE PLATES, BEARING PLATES, SQUARE AND PLATE WASHERS SHALL BE FABRICATED FROM ASTM A36 STEEL.

POSTS SHALL BE FABRICATED FROM ASTM A500, GRADE B STEEL.

PLATE WASHERS SHALL BE USED AT ALL POSTS (BETWEEN THE BOLT HEAD AND THRIE BEAM RAIL). THEY SHALL BE RECTANGULAR IN SHAPE (3 x $1\frac{3}{4}$ x $\frac{3}{16}$ ") AND FLAT, OR WHEN NECESSARY, OF SUCH DESIGN TO FIT THE CONTOUR OF THE BEAM. PLATE WASHERS SHALL HAVE ${}^{1}\!\!\!/_{16}$ x 1" SLOT.

FABRICATION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH SECTION 712. ALL LAP SPLICES SHALL BE MADE IN THE DIRECTION OF TRAFFIC.

EXPANSION SPLICES IN THRIE BEAM RAIL ARE NORMALLY NOT REQUIRED, BUT SHALL BE PROVIDED AT LOCATIONS SO THAT THE MAXIMUM LENGTH WITHOUT EXPANSION PROVISIONS DOES NOT EXCEED 200 FEET. AT EXPANSION SLOTS IN THE THRIE BEAM RAILS, TIGHTEN BOLTS, BACK OFF ONE-HALF TURN AND BURR THREADS.

	ITEM	QTY	BILL OF MATERIALS (TERMINAL)	ITEM NO.
	Α	1	IMPACT HEAD	S3000
	В	1	W-BEAM GUARDRAIL END SECTION, 12 Ga.	SF1303
al	С	1	W-BEAM GUARDRAIL (12' 6")	G1203
	D	1	FIRST POST TOP (6X6X ¹ 8" Tube)	TPHP1A
	Е	1	FIRST POST BOTTOM (6' W6X15)	TPHP1B
	F	1	SECOND POST ASSEMBLY TOP	UHP2A
	G	1	SECOND POST ASSEMBLY BOTTOM	HP-B
	Н	1	BEARING PLATE	E750
	J	1	CABLE ANCHOR BOX	S760
	к	1	BCT CABLE ANCHOR ASSEMBLY	E770
	L	3	RECYCLED PLASTIC BLOCK OR EQUIV.	CBSP-14
	М	3	LINE POST	P621
			HARDWARE (ALL DIMENSIONS IN INCHES)	
	a	2	5/16 x 1 HEX BOLT GRD 5	B5160104A
	b	4	5/16 WASHER	W0516
	с	2	5/16 HEX NUT	N0516
	d	9	5/8 Dia. x 1 1/4 SPLICE BOLT	B580122
	е	1	5/8 Dia. x 9 HEX BOLT GRD 5	B580904A
	f	3	5/8 Dia. x 10 H.G.R. BOLT	B581002
	g	3	5/8 WASHER	W050
	h	13	5/8 Dia. H.G.R NUT	N050
	j	1	3/4 Dia. x 8 1/2 HEX BOLT GRD A449	B340854A
	k	1	3/4 Dia. HEX NUT	N030
	1	2	1 ANCHOR CABLE HEX NUT	N100
	m	2	1 ANCHOR CABLE WASHER	W100
	n	8	1/2 RSI SHOULDER BOLT W/WASHER	SB12A
	0	8	1/2 STRUCTURAL NUT	N012A
	р	8	1/2 STRUCTURAL WASHER	W012A
	r	1	BEARING PLATE RETAINER TIE	CT-100ST

