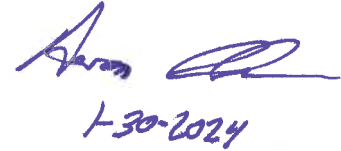


ADDENDUM NO. 1

ISSUED BY: Howe Company LLC
804 E. Patton Street
Macon, MO 63552



Aaron [Signature]
1-30-2024

DATE: January 30, 2024

FOR: BOONE COUNTY BRIDGE 35000021
BRO-B010(20)

The attached revisions hereby supersede any and all data with which they may conflict as indicated on the Drawings, Specifications and related documents issued in the original set. Each trade is responsible for changes in its work caused by changes in the work of other trades. This addendum is a part of and shall be attached to the original set of plans and specifications for the work.

THIS ADDENDUM SHALL BECOME A PART OF THE SPECIFICATIONS NOTED ABOVE. RECEIPT OF THIS ADDENDUM SHOULD BE ACKNOWLEDGED ON THE BID FORM.

The quantity of the asphalt pavement and the aggregate base has been updated to be consistent with the project plans. The area of asphalt on each end of the bridge shall be 75'x 26'.

New Sheet 2. An updated sheet 2 (revised 1-30-2024) is issued with this addendum to replace the existing sheet 2.

New Bid Form. An updated Bid Form that is consistent with the revisions to the project plans has been provided. Please use the attached Bid Form to submit your bids.

There is no change in bid opening date or time.

BRO-B010(20)

ENGINEERS ESTIMATE

ROADWAY ITEMS BY CONTRACTOR

LINE	ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
1	201	Clearing and Grubbing	ACRE	1.09		
2	202	Removal of Improvements	L.S.	1	XXXX	
3	203	Unclassified Excavation	C.Y.	216		
4	203	Embankment in Place	C.Y.	1,793		
5	304	4" Thick Layer - Type 1 Aggregate Base	S.Y.	433		
6	310	3" Layer Crushed Stone (MoDOT Type 5)	S.Y.	1,303		
7	310	3" Layer Crushed Stone (1.5" Minus)	S.Y.	1,403		
8	310	6" Layer Crushed Stone (1.5" Minus)	S.Y.	81		
9	310	6" Layer Crushed Stone (3.5" Minus)	S.Y.	1,303		
10	401	2" Thick Surface Course (BP-2) Plant Mix Bituminous Pavement	S.Y.	433		
11	401	7" Thick Base Course Plant Mix Bituminous Pavement	S.Y.	433		
12	606	MGS Bridge Approach Transition	EACH	4		
13	606	Crashworthy End Terminal (TL-2)	EACH	4		
14	607	Fencing (5-Strand Barbed Wire)	L.F.	404		

BRO-B010(20)

ENGINEERS ESTIMATE

ROADWAY ITEMS BY CONTRACTOR

LINE	ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
15	607	30' Gate	EACH	1		
16	611.3	Furnishing Type 2 Rock	C.Y.	413		
17	611.3	Placing Type 2 Rock	C.Y.	413		
18	616	Movable Barricades	EACH	6		
19	616	Construction Signs	S.F.	123		
20	616	Construction Sign Posts	L.F.	125		
21	618	Mobilization	L.S.	1	XXXX	
22	624	MoDOT Perm. Erosion Control Fabric	S.Y.	469		
23	627	Contractor Surveying & Staking	L.S.	1	XXXX	
24	805/JSP	Seeding and Mulching	ACRE	0.8		
25	806	Silt Fence	L.F.	241		
26	806	Straw Wattle Ditch Check	EACH	9		
27	806	Erosion Control Blanket - Type 4	S.Y.	306		
28	JSP	Mechanically Stabilized Fill	L.S.	1	XXXX	

BRO-B010(20)

ENGINEERS ESTIMATE

ROADWAY ITEMS BY CONTRACTOR

LINE	ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
29	JSP	Compaction Testing	L.S.	1	XXXX	
Sub-Total Roadway Items =						

BRIDGE ITEMS BY CONTRACTOR

LINE	ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
30	206	Excavation For Structures	L.S.	1	XXXX	
31	216	Removal of Bridge	L.S.	1	XXXX	
32	501	Class B-1 Substructure Concrete	C.Y.	20		
33	501	Class B-2 Superstructure Concrete	C.Y.	51		
34	702	HP 12X53 Piling (Galvanized)	L.F.	320		
35	702	Pile Points	EACH	8		
36	705	Pre-Fabricated Steel Superstructure (Galvanized)	LBS.	36,533		
37	705	Prestressed Concrete Deck Panels	S.Y.	135		
38	706	Reinforcing Steel	LBS.	12,651		
39	713	Kansas Corral Bridge Railing	L.F.	124		
40	715	Vertical Drain at End Bents	EACH	2		

BRO-B010(20)

ENGINEERS ESTIMATE

ROADWAY ITEMS BY CONTRACTOR

LINE	ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
41	716	Plain Neoprene Bearing Pads (1/2")	EACH	10	_____	_____

Submitted By: _____ **Sub-Total Bridge Items =** _____

Representing: _____ **TOTAL CONTRACT =** _____

Acknowledgement fo Addendums

Addendum # Acknowledgement Signature

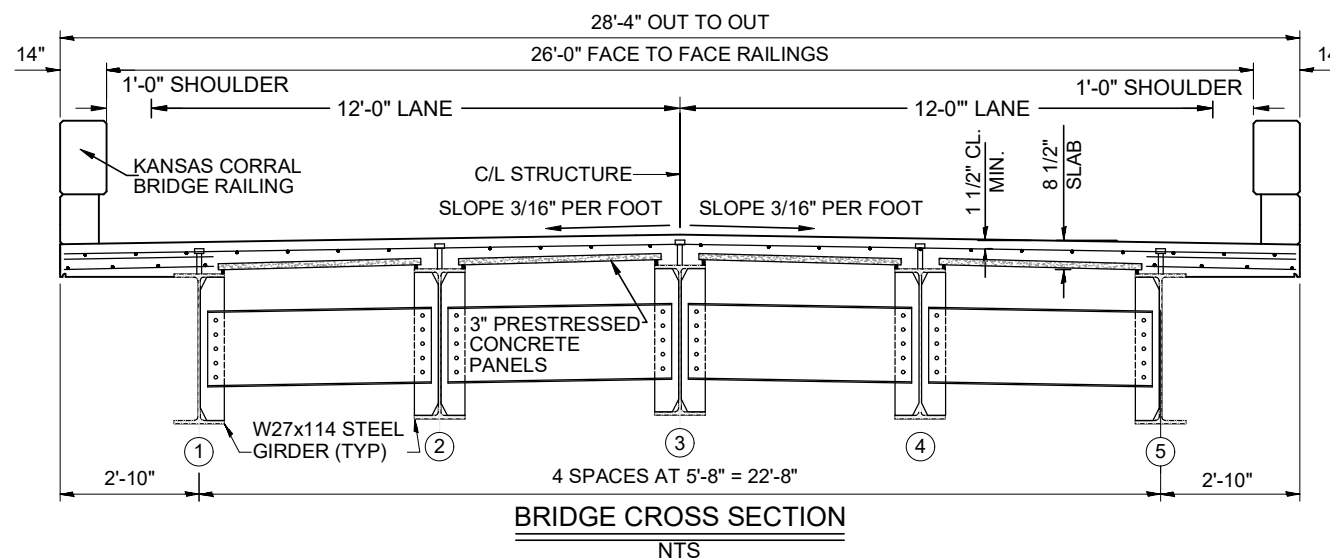
1 _____

FOUNDATION DATA TABLE			
BENT NO.		1	2
NUMBER OF HP 12X53 PILING	EACH	4	4
APPROXIMATE LENGTH	FT.	40	40
DESIGN BEARING	TONS	47	47
CUT OFF ELEVATION	FT.	831.21	831.21
ESTIMATED TIP ELEVATION	FT.	791.21	791.21
MINIMUM TIP ELEVATION	FT.	820.00	820.00
MINIMUM HAMMER ENERGY	FT. LBS.	10,000	10,000

HYDROLOGIC DATA		
EXISTING BRIDGE DECK ELEV.	FT.	831.00
DRAINAGE AREA	SQ. MI.	2.0
DESIGN FREQUENCY	YEARS	25
DESIGN DISCHARGE	CFS.	1450
DESIGN HIGH WATER AT THE STRUCTURE	FT.	831.60
LOW ELEVATION OF SUPERSTRUCTURE	FT.	832.61
100 YEAR DISCHARGE	CFS.	2040
100 YEAR HIGH WATER ELEVATION AT THE STRUCTURE	FT.	831.90

WORK TO BE PERFORMED BY CONTRACTOR			
ITEM	DESCRIPTION - ROADWAY ITEMS	UNITS	EST. QTY.
201	CLEARING AND GRUBBING	ACRE	1.09
202	REMOVAL OF IMPROVEMENTS	L.S.	1
203	UNCLASSIFIED EXCAVATION	C.Y.	216
203	EMBANKMENT IN PLACE	C.Y.	1,793
304	4" THICK LAYER - TYPE 1 AGGREGATE BASE	S.Y.	433
310	3" LAYER CRUSHED STONE (MODOT TYPE 5)	S.Y.	1,303
310	3" LAYER CRUSHED STONE (1.5" MINUS)	S.Y.	1,403
310	6" LAYER CRUSHED STONE (1.5" MINUS)	S.Y.	81
310	6" LAYER CRUSHED STONE (3.5" MINUS)	S.Y.	1,303
401	2" THICK SURFACE COURSE (BP-2) PLANT MIX BITUMINOUS PAVEMENT	S.Y.	433
401	7" THICK BASE COURSE PLANT MIX BITUMINOUS PAVEMENT	S.Y.	433
606	MGS BRIDGE APPROACH TRANSITION	EACH	4
606/JSP	CRASHWORTHY END TERMINAL (TL-2)	EACH	4
607	FENCING (5-STRAND BARBED WIRE)	L.F.	404
607	30' GATE	EACH	1
611.30	FURNISHING TYPE 2 ROCK BLANKET	C.Y.	413
611.30	PLACING TYPE 2 ROCK BLANKET	C.Y.	413
616	MOVABLE BARRICADES	EACH	6
616	CONSTRUCTION SIGNS	S.F.	123
616	CONSTRUCTION SIGN POSTS	L.F.	125
618	MOBILIZATION	L.S.	1
624	MODOT PERM. EROSION CONTROL GEOTEXTILE	S.Y.	469
627	CONTRACTOR SURVEYING & STAKING	L.S.	1
805/JSP	SEEDING AND MULCHING	ACRE	0.80
806	SILT FENCE	L.F.	241
806	STRAW WATTLE DITCH CHECK	EACH	9
806	EROSION CONTROL BLANKET - TYPE 4	S.Y.	306
JSP	MECHANICALLY STABILIZED FILL	L.S.	1
JSP	COMPACTION TESTING	L.S.	1
BRIDGE ITEMS		UNITS	EST. QTY.
206	EXCAVATION FOR STRUCTURES	L.S.	1
216	REMOVAL OF BRIDGE	L.S.	1
501	CLASS B-1 SUBSTRUCTURE CONCRETE	C.Y.	20
501	CLASS B-2 SUPERSTRUCTURE CONCRETE	C.Y.	51
702	HP 12X53 PILING (GALVANIZED)	L.F.	320
702	PILE POINTS	EACH	8
705	PRE-FABRICATED STEEL SUPERSTRUCTURE (GALVANIZED)	LBS.	36,533
705	PRESTRESSED CONCRETE DECK PANELS	S.Y.	135
706	REINFORCING STEEL	LBS.	12,651
713	KANSAS CORRAL BRIDGE RAILING	L.F.	124
715	VERTICAL DRAIN AT END BENTS	EACH	2
716	PLAIN NEOPRENE BEARING PADS (1/2")	EACH	10

* THESE ITEMS REQUIRE CERTIFICATION/SHOP DRAWINGS/SUBMITTAL.



REVISED 1-30-24



GENERAL NOTES & QUANTITIES SHEET
OFF SYSTEM BRIDGE REPLACEMENT PROGRAM
CART ROUTE NO. 350, BEN WILLIAMS ROAD
BRIDGE NO. 35000021, PROJECT NO. BRO-R010(20)
BOONE COUNTY, MISSOURI
HOWE COMPANY, LLC
804 E. PATTON STREET, MACON, MO. 63552
OFFICE: 660-395-4693

DATE: FEBRUARY 2023
DESIGNED BY: S. HOWE
DRAWN BY: P. HOWE
REVIEWED BY: S. HOWE
APPROVED BY: S. HOWE
JOB NO. 22H3455

PAVEMENT QTY.	1-30-24	APL	Date	Appr.
1				