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SMITH & CO. ENGINEERS

August 5, 2022

Mr. Kent Peetz, P.E.
Director of Public Works
City of Jackson
101 Court Street
Jackson, MO 63755

RE: City of Jackson, MO
Hubble Ford Bridge Change Order No. 1

Dear Mr. Peetz:

Upon completion of the project, our inspector, Jim Hobbs, has provided me with field measured quantities of all bid items. The total amount of aggregate base and asphalt paving was increased from a bid quantity of 427SY to 590SY. This was due to the increase in total paving to remove a dip in the existing road on Parkview, in order to increase driver comfort. By increasing the amount of paving, the contractor was able to remove the dip, and improve the route.

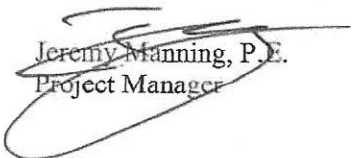
Next, the amount of substructure concrete was increased due to differing conditions of the rock below surface. We did core the site to determine where rock elevation was prior to design. However, upon excavation, we determined that the rock surface was very broken, and increased in total depth across the length of each bent. This required the total depth of the footings to increase.

Next, the total amount of rock blanket was decreased from design quantity. While placing the rip-rap, we determined in the field that all of the rock was not needed, and would result in partial constriction of the channel. Therefore, our inspector worked with the contractor in the field to place the required amount of slope-protection that would accommodate the field conditions.

Finally, the amount of stone veneer was increased to accommodate an error in the original bid quantities. A portion of the error was taken away by stair-stepping the elevation of stone veneer that is below grade, and not visible. However, additional stone was required to complete the bridge as shown on the plans. This value was increased from 1690SF to 2041SF. Attached is the signed change order.

If you have any questions or comments, please contact me or our Engineering Manager, William Cobb at (573) 785-9621.

Sincerely,


Jeremy Manning, P.E.
Project Manager

SMITH & CO.
ENGINEERS

CHANGE ORDER

SHEET NO. 1 OF 1

CHANGE ORDER NO. 1

TO Putz Construction CONTRACTOR
YOU ARE HEREBY DIRECTED TO MAKE THE FOLLOWING CHANGES FROM THE CONTRACT.

OWNER Jackson
ROUTE Hubble Ford
PROJECT Hubble Ford Bridge
JOB NO. S&C # P200227
MoDOT # NA

1. DESCRIPTION AND REASON FOR CHANGE: (ATTACH SUPPLEMENTAL SHEETS IF REQUIRED)

This change order is required due to differing field conditions in regards to rock elevation and irregularities. Additional substructure concrete was required in order to key the footings into the proposed elevation. This was due to more rock variances than expected, and more fractured rock that required removal. Also, this change order is required in order to extend the length of paving. After meeting with the City Engineers, and the contractor, it was determined that extending the asphalt paving was a cost-effective step to improve the route. Finally, this change order is required to increase the amount of stone veneer. This is due to measurement differences in the field as opposed to the original plan quantity.

2. ESTIMATE OF COST OF WORK AFFECTED BY THIS CHANGE ORDER

[A] EST. LINE NO.	[B] CONTRACT ITEM NO.	[C] ITEM DESCRIPTION	[D] UNITS PREVIOUSLY PROVIDED FOR	[E] UNITS TO BE CONSTRUCTED	[F] UNITS OVERRUN UNDERRUN CONTINGENT	[G] CONTRACT OR AGREED UNIT PRICE	[H] AMOUNT OF OVERRUN OR PLUS CONTINGENT	[I] AMOUNT OF UNDERRUN OR MINUS CONTINGENT
1	5	Type 1 Aggregate Base	427	590.00	163.00	\$16.00	\$2,608.00	\$0.00
2	6	Asphalt Paving	427	590.00	163.00	\$55.00	\$8,965.00	\$0.00
3	8	Type II Rock Blanket	435	398.00	-37.00	\$50.00	\$0.00	-\$1,850.00
4	13	Class B-1 Concrete (substructure)	108	145.75	37.75	\$796.00	\$30,049.00	\$0.00
5	19	4" Stone Veneer	1690	2,041.00	351.00	\$66.50	\$23,341.50	\$0.00
TOTALS							\$64,963.50	-\$1,850.00

3. SETTLEMENT OF COST OF THE ABOVE CHANGE TO BE MADE AT CONTRACT UNIT PRICES, EXCEPT AS NOTED:

1. CONTRACT AMOUNT	\$549,538.50
2. OVERRUN THIS ORDER	\$63,113.50
3. OVERRUN PREVIOUS [LINE 4 ON PREV. ORDERS]	\$0.00
4. TOTAL OVERRUN TO DATE [2 + 3]	\$63,113.50
5. TOTAL [1 + 4]	\$612,652.00

THE TERMS OF SETTLEMENT OUTLINED ABOVE ARE HEREBY AGREED TO.

Mahel Putz 8-10-22
CONTRACTOR

DATE

[Signature] 8-5-22
SMITH & CO. DATE

Anna Bergmark 8/10/22
SUBMITTED JACKSON ENGINEER DATE

MAYOR CITY OF JACKSON DATE