Form C-104
Rev. 09/2008

VALUE ENGINEERING CHANGE PROPOSAL
MISSOURI DEPARTMENT OF TRANSPORTATION

Date April 1, 2009

Contract ID 090123-904 Job No. J9P0546

County Pulaski Original Bid Cost $2,186,852.51

Contractor Chester Bross Construction By Scott Gander

Designed By Robby R. Rakestraw Phone 573-221-5958

VECP# 09-24 (to be completed by C.O.) VECP ☐ or VECP/PDU ☒

1. **Description of existing requirements and proposed change(s). Advantages/Disadvantages**
   The existing conditions of the entrance pipes appear to be in good working condition. The proposed change would be to not replace approximately 20% of these pipes. This decision would be made on a case by case basis by a MODOT representative. The advantage of this change would be that there would be an underrun in the total cost for the entrance pipe installations. The disadvantage would be that MODOT would have to purchase the pipe that is remaining due to not using the plan quantity. The remaining pipe would have to be loaded and hauled by MODOT forces to their desired destination.

2. **Estimate of reduction in construction costs.** $23,597.28

3. **Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.**
   There should not be any negative effects from the proposed changes on maintenance and operations.

MODOT
APR 21 2009
Rolla Project Office

4. **Anticipated date for submittal of detailed change(s) of items required by Section 104.6 of the Specifications.**

   April 1, 2009
   (date)

5. **Deadline for issuing a change order to obtain maximum cost reduction, noting the effect of contract completion time or delivery schedule.**

   April 3, 2009 (date) — Will shorten completion time of Group C pipe installation (effect)

6. **Dates of any previous or concurrent submission of the same proposal.**

   N/A
   (date and/or dates)

Additional Comments:

**** Portion Below This Line To Be Filled Out by MoDOT ****

Comments:
Recommend approval as 75/25 Practical Design VE

Victoria Woods — Submitted By Resident Engineer — 04-06-09 Date

Comments:

☑ **Approval Recommended**
☐ **Rejection Recommended**

Tom Stehr — District Engineer — 4-6-09 Date

Comments:

☐ **Approval Recommended**
☐ **Rejection Recommended**

N/A — Federal Highway Administration **Required for FHWA Full Oversight Projects** — Date

Comments:

☑ **Approval**
☐ **Rejection**

David D. Oliver — State Construction and Materials Engineer BAW — 4-27-09 Date

Distribution: Resident Engineer, Project Manager, District Construction & Materials Engineer, State Construction & Materials Engineer, Value Engineering Administrator – MoDOT, P. O. Box 270, Jefferson City, MO 65102

CHESTER BROSS CONSTRUCTION COMPANY

P.O. Box 430
Hannibal, MO 63401

Chester Bross, President
"Equal Opportunity Employer"

Ph: 573-221-5958
Fax: 573-221-1892

Contract I.D. 090123-904
Job No. J9P0546
Route 28, Pulaski County

VECP/PDU

Bid Item	Qty	Unit	Unit Price	Total
7250415 15 IN. PIPE GROUP C	2230	LF	$ 36.10	$ 80,503.00
7250418 18 IN. PIPE GROUP C	185	LF	$ 38.60	$ 7,141.00
7250424 24 IN. PIPE GROUP C	32	LF	$ 46.00	$ 1,472.00
3049907 MISC. AGGREGATE TYPE 1	832	CY	$ 34.70	$ 28,870.40

TOTAL PIPE $ 89,116.00
ORIGINAL ESTIMATED UNDERRUN 20% $ 17,823.20
TOTAL SAVINGS $ 17,823.20

TOTAL AGGREGATE $ 28,870.40
ORIGINAL ESTIMATED UNDERRUN 20% $ 5,774.08
TOTAL SAVINGS $ 5,774.08

Project Manager

VALUE ENGINEERING CHECK SHEET

TYPE OF WORK

(Check one that applies)

- ☐ Bridge/Structure/Footings
- X Drainage Structures (RCP, RCB, CMP's, ect.)
- ☐ TCP/MOT
- ☐ Paving (PCCP, ect.)
- ☐ Grading/MSE Walls
- ☐ Signal/Lighting/ITS
- ☐ Misc. _____

SUMMARY OF PROPOSAL

(If needed, condense summary to a couple of lines)

Contractor will utilize in place entrance pipes where pipe is in good condition. It is estimated that 20% of the entrance pipes are in good condtition.

SCANNING OF DOCUMENT

If the proposal is large, please mark or make note, which pages need to be scanned into the database. If there are special instructions, make note of them here.

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