Form C-104
Rev. 09/2008

VALUE ENGINEERING CHANGE PROPOSAL
MISSOURI DEPARTMENT OF TRANSPORTATION

Date April 10, 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# 09-30 (to be completed by C.O.) VECP ☒ or VECP/PDU ☒

1. **Description of existing requirements and proposed change(s). Advantages/Disadvantages**
   The existing box culvert has been examined by our subcontractor, APAC-Missouri, and it has been determined that they feel the rock bottom in the creek is not going to scour or deteriorate any more than it already has. The proposed change would be that the work on the box culvert flow line would be eliminated from the contract. The advantage of this change would be that item 270 and 280 would be underrun.

2. **Estimate of reduction in construction costs.** $14,185.00

3. **Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.**
   There is no predicted effects of the proposed change on maintenance and operations.

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

   April 10, 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 17,2009 (date) — No effect (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: Existing walls of box culvert are keyed into rock. Recommend eliminating floor of culvert and VE #2 as 75/25 practical design VE.

Victoria Woods — Submitted By Resident Engineer — 4-28-09 Date

Comments:

☒ Approval Recommended
☐ Rejection Recommended

Tom Stelhe — District Engineer — 5/7/09 Date

Comments:

☐ Approval Recommended
☐ Rejection Recommended

NA — Federal Highway Administration Required for FHWA Full Oversight Projects — Date

Comments: This is a practical design V.E. and a 75/25 split.

☑ Approval
☐ Rejection

David D. Gower — State Construction and Materials Engineer BAW — 5-13-09 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

Bid Item	Qty	Unit	Unit Price	Total
7032001 CLASS B CONCRETE (CULVERTS)	7.4	CY	$ 1,575.00	$ 11,655.00
7061030 REINFORCING STEEL (CULVERTS)	550	LB	$ 4.60	$ 2,530.00
			TOTAL BOX CULVERT	$ 14,185.00
			TOTAL SAVINGS	$ 14,185.00

Project Manager

APAC-Missouri, Inc.

1581-A East Prathersville Road
Columbia, MO 65202
P.O. Box 1117
Columbia, MO 65205
Tel: 573 449-0898, Fax: 573 449-2980

Friday, April 10, 2009

Mr. Scott Gander
Chester Bross Construction
P.O Box 430
Hannibal, MO 63401

RE: Route 28 Pulaski Co., Job J9P0546, Contract ID – 090123-904

Dear Mr. Gander:

APAC – Missouri is proposing that the work on the box culvert flow line on the above referenced project be eliminated from the contract. We feel the rock bottom in the creek is not going to scour or deteriorate any more than it already has. This should be addressed as a value engineering proposal and the savings will be split with MoDOT. The total savings of this proposal will be 50% of item 270 and 280.

Please call with any questions.

Sincerely,
APAC-Missouri, Inc.

E.I.T.

Jeremy Bexten E.I.T.
Project Engineer

Cc: Job File

Safety First Always

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)

The existing flow line of the box culvert is of satisfactory condition that this eliminates the need to replace it.

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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