Form C-104
Rev. 02/2009

VALUE ENGINEERING CHANGE PROPOSAL
MISSOURI DEPARTMENT OF TRANSPORTATION

☐ **Conceptual Proposal** ☒ **Final Proposal** **Date** 6/20/13

Contract ID 130125-F02 **Job No.** J6P1994

County Franklin **Original Bid Cost** $6,233,489.97

Contractor Millstone Bangert, Inc. **By** Jason Highley

Designed By MBI **Phone** 314-974-4928

VECP# 13-57 **(to be completed by C.O.)** **VECP** ☒ **or** **PDVECP** ☐

1. **Description of existing requirements and proposed change(s). Advantages/Disadvantages**
   The current plans show temporary barrier being placed along the edge of the roadway from end to end, including cross streets. The barrier in most cases ends at MoDOT's right of way. This configuration limits access to work areas within the project. To facilitate access to these areas for normal construction activities, we propose to eliminate portions of the temporary barrier wall and replace with pavement edge treatment.

2. **Estimate of reduction in construction costs.** $50,246.50

3. **Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.**
   This change shall not have any impact on other department costs.

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

   7/1/13
   (date)

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

   7/1/13 (date) — No change in schedule related to this proposal. (effect)

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

   None
   (date and/or dates)

Additional Comments:

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

Comments:

I agree that there are several areas that can be safely constructed with pavement edge treatment in lieu of barrier wall. There are some areas that will need temporary traffic barrier. These areas will be discussed and agreed upon by the contractor and MoDOT. Therefore I do recommend approval of this VE.

Christine Redhage — 12/9/13

Submitted By Resident Engineer — Date

Comments:

☒ **Approval Recommended**

☐ **Rejection Recommended**

Gregory J Horn

Digitally signed by Ronald Morris
DN: cn=Ronald Morris, o=MoDOT, ou=3H35, email=Ronald.Morris@modot.mo.gov, c=US
Date: 2013.12.09 14:49:21 -06'00'

District Engineer — Date

Comments:

☐ **Approval Recommended**

☐ **Rejection Recommended**

Federal Highway Administration
Required for FHWA Full Oversight Projects

Date

Comments:

☒ **Approval**

☐ **Rejection**

David D. Allen

Digitally signed by Randy C. Hitt
DN: cn=Randy C. Hitt, o, ou, email=randy.hitt@modot.mo.gov, c=US
Date: 2013.12.09 15:02:11 -06'00'

State Construction and Materials Engineer — Date

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

Value Engineering Quantity Summary

Line	Item No.	Description	Units	Contract Qty	Add/Deduct	Revised Qty	Unit Price	Subtotals	
650	6173700A	Temporary Traffic Barrier Contractor Furnished/ Retainec	LF	8120	-4793	3327	$ 15.00	$ (71,895.00)	
660	6175011A	Relocating Temporary Traffic Barrier	LF	1597	-1227	370	$ 1.00	$ (1,227.00)	
								$ (73,122.00)	Cost Reductions

Line	Item No.	Description	Units	Contract Qty	Add/Deduct	Revised Qty	Unit Price	Subtotals	
CONT	CONT	Pavement Edge Treatment	LF	0	5593	5593	$ 3.50	$ 19,575.50	
CONT	6122030	Impact Attenuator (Relocation)	EA	0	0	0	$ 725.00	$ -	
410	6122009	Impact Attenuator (9 Sand Barrels)	EA	1	1	2	$3,300.00	$ 3,300.00	
								$22,875.50	Required Construction / Mitigatic
								$ (50,246.50)	Estimated VE Reduction
		Final quantities based on actual installed.						($25,123.25)	VE - MoDOT / Contractor Savings

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