

Form C-104  
Rev. 02/2009

VALUE ENGINEERING CHANGE PROPOSAL  
MISSOURI DEPARTMENT OF TRANSPORTATION

(Federal oversight)

Conceptual Proposal       Final Proposal      Date 2-28-2011

Contract ID 101022 901      Job No. J9I2213

County CRAWFORD      I-44      Original Bid Cost 5,944,933.07

Contractor CHESTER BROSS CONST.      By MACE COLGROVE

Designed By \_\_\_\_\_      Phone 573-221-5958

VECP# 11-10 (to be completed by C.O.)      VECP  or PDVECP

1. Description of existing requirements and proposed change(s). Advantages/Disadvantages  
 JSP (M) SLOT STITCHING: 3.2 Slots shall be sawed with diamond blades. Slots shall be 4 inches wide.----ADVANTAGE--- Sawing the slots 2.5 inches wide in accordance with Industrty Standards will minimize the removal area in the wheel paths. Also sawing the slots at 4 inches wide gains no load bearing advantage over the 2.5 inch wide slot.

2. Estimate of reduction in construction costs. 26,196.00

3. Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.  
 NA

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

FEBRUARY 28, 2011  
 (date)

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

MARCH 11, 2011      ORDERING MATERIAL  
 (date)      (effect)

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

NA  
 (date and/or dates)

**Additional Comments:**

By sawing a smaller slot, we will use less material resulting in a savings. You also have a smaller removal area in the wheel path, therefore having less of a chance for failure

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

Comments:

Recommend approval as VE 50/50.

Victoria Woods  
Submitted By Resident Engineer

3-10-11  
Date

Comments:

- Approval Recommended
- Rejection Recommended

Tom Stubb  
District Engineer

3-14-11  
Date

Comments:

- Approval Recommended
- Rejection Recommended

Federal Highway Administration  
Required for FHWA Full Oversight Projects

Date

Comments:

(JPD) 3/16/2011

- Approval
- Rejection

David D. Cooper  
State Construction and Materials Engineer

3-16-11  
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 CHECK SHEET

## **TYPE OF WORK**

(Check one that applies)

- Bridge/Structure/Footings
- 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)

This VE involves use of a wall in lieu of a bent cap, use of a bent cap in lieu of a wall, and use of a spread box beam superstructure.

Contractor will narrow slot stitch channels from 4" to 2.5", which will save on material removal and create a smaller repair footprint.

## **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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