

## VALUE ENGINEERING CHANGE PROPOSAL MISSOURI DEPARTMENT OF TRANSPORTATION

Conceptual Proposal       Final Proposal      Date 4/5/2010

Contract ID 080425-605      Job No. J6P1004

County Franklin 100      Original Bid Cost \$21,126,324.42

Contractor Millstone Bangert, Inc.      By Matthew Alwardt

Designed By HNTB      Phone 636-949-0038

VECP# 10-37 (to be completed by C.O.)      VECP  or PDVECP

**1. Description of existing requirements and proposed change(s). Advantages/Disadvantages**

The existing requirements call out for an additional stage of construction that could be eliminated by doing a combination of base concrete, profile milling, and asphalt overlay. The plans call out for replacement of existing pavement on the east side of the Dubois Creek Bridge in order to shift the horizontal alignment and correct cross slopes. In order to complete this stage per plan there is a traffic change that requires all traffic to be temporarily placed on the new westbound lanes for 6 miles which requires numerous temporary striping and signage. The main advantage to this proposal is to limit the impacts to traffic by eliminating a major traffic change.

**2. Estimate of reduction in construction costs.**      \$56,934.27

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

There will be an additional 1200 feet of 12' wide asphalt to maintain as opposed to full depth concrete pavement.

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

4/5/2010

(date)

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

4/13/2010

(date)

No effect on contract completion time.

(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:**

I strongly support this Practical Design Value Engineering Concept Proposal. Besides the financial savings, the real benefit lies in the reduction of construction stages and traffic switches. The Franklin County Area Team concurs with this Practical Design Value Engineering Conceptual Proposal. Overall, this PDVECP will increase the safety for the traveling public during the remaining portion of the project.

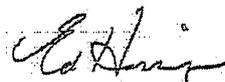
  
Submitted By Resident Engineer (P.A.M.)

4/12/10  
Date

**Comments:**

Based on the review of the individuals that have been involved with the process, I concur and recommend approval.

- Approval Recommended
- Rejection Recommended



Digitally signed by Wendy Brooks  
DN: cn=Wendy Brooks, o=MoDOT, ou=D6 Construction & Materials, email=wendy.brooks@modot.mo.gov, c=US  
Date: 2010.04.23 12:43:55 -05'00'

\_\_\_\_\_  
District Engineer

\_\_\_\_\_  
Date

**Comments:**

- Approval Recommended
- Rejection Recommended

**N/A**

\_\_\_\_\_  
Federal Highway Administration  
Required for FHWA Full Oversight Projects

\_\_\_\_\_  
Date

**Comments:**

Approved on the basis of the districts review and recommendation.  
Denis Glascock.

- Approval
- Rejection



Digitally signed by Denis Glascock  
DN: cn=Denis Glascock, c=US, o=MoDOT, ou=3H35, email=Denis.Glascock@modot.mo.gov  
Date: 2010.04.27 09:30:58 -05'00'

\_\_\_\_\_  
State Construction and Materials Engineer

\_\_\_\_\_  
Date

# 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. Pavement type change to reduce staging and traffic management

## **SUMMARY OF PROPOSAL**

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

This VE involves the substitution of an approved composite pavement and a change to the scheduling and traffic handling processes of the project.

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## **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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