

## VALUE ENGINEERING CHANGE PROPOSAL MISSOURI DEPARTMENT OF TRANSPORTATION

Date 10/20/2008

Contract ID 080919-401 Job No. J4I1650  
County Jackson Original Bid Cost \$14,338,653.91  
Contractor Emery Sapp & Sons, Inc. By Jesse Hinton  
Designed By Bartlett & West Phone 573-445-8331  
VECP# VECP 08-97 VEC  or VEC/PDU

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

Reconstruction of the inside shoulders of I-470 includes removal of existing asphalt and compacted baserock as Class A Excavation. It also includes 7.5 in PCC Pavement on 6.5 in Type 1 Base. Emery Sapp & Sons proposes to mill the existing asphalt to grade and construct the 7.5 in PCC Pavement on the milled surface. This method will eliminate the Type-1 Base and Pavement Edge Treatment. The existing shoulders appear to be in sound condition with the exception of the excessive cross slope. The proposed construction method will provide an improved surface as designed, and allow the existing type 4 sub-base (that is in good condition) to remain.

**2. Estimate of reduction in construction costs.** \$158,144.85

**3. Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.**  
None.

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

\_\_\_\_\_  
(date)

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

11/03/2008  
(date)

Assuming early Notice to Proceed of 11/01/2008.  
(effect)

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

\_\_\_\_\_  
(date and/or dates)

Additional Comments: .....

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

**Comments:**

I recommend conceptual approval of this VE Proposal. Acceptance of the new pavement design would be made in the field once the coldmilling exposes the asphaltic base material and verification can be made by MoDOT that it is acceptable to remain in place. MoDOT expects the asphaltic base material to be acceptable. I recommend this only as a Practical Design Value Engineering with a 75%MoDOT/25%Contractor savings split. See attached E-Mails with feedback from Jason Bloomberg, P.E. and Allan Ludiker, P.E.

Shelie Daniel *SH*

Submitted By Resident Engineer

10-24-08

Date

**Comments:**

*WE CONCUR WITH YOUR ANALYSIS AND RECOMMENDATION. IN DISCUSSING THE EXCAVATION ITEM, WE UNDERSTAND THE SUBMITAL WAS BASED ON A PERCENTAGE OF PLAN AND WILL BE VERIFIED*

*Elizabeth A. Velt* *(RVN)*

- Approval Recommended
- Rejection Recommended

District Engineer

10/27/08

Date

**Comments:**

*APPROVED BY KEVIN RUMS IN E-MAIL DATED 10-29-08 DSB,*

- Approval Recommended
- Rejection Recommended

Federal Highway Administration  
Required for FHWA Full Oversight Projects

Date

**Comments:**

*APPROVED PER DISTRICT RECOMMENDATION AT 7/25/26-00*

*David D. Cooper*

- Approval
- Rejection

State Construction and Materials Engineer

11-17-08

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

# 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)

\_\_\_\_\_ Use in place existing shoulder base that is in good condition.

## 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.

\_\_\_\_\_ Document is not lengthy: