

**VALUE ENGINEERING CHANGE PROPOSAL
MISSOURI DEPARTMENT OF TRANSPORTATION**

Date 3/8/10

Contract ID 090424-7C4 Job No. J7P0589
County Barton 71 Original Bid Cost \$4,516,427.03
Contractor APAC-MISSOURI, INC. By DAVID B. TAG, P.E.
Designed By APAC-MISSOURI, INC. Phone (573) 449-0886
VECP# 10-19 (to be completed by C.O.) VECP or VECPP/PDU

1. **Description of existing requirements and proposed change(s). Advantages/Disadvantages**
The current specifications call for the top mat of reinforcing steel on Bridge A7723 to be tied 100% at the intersection of the bars. MoDOT Bridge is allowing this to be reduced to 50% tie on future projects. This proposal is to perform a 50% tie in the location of the stiffener bars only - approx. 70 feet of the deck centered over Bent 2 (approx. 40% of the deck area). We will continue 100% tie over the remainder of the deck. We do not see any disadvantages to this plan. The advantages will be in labor savings in tying the reinforcing steel, approx. 1/2 of one ironworker shift or \$1,500.00

2. **Estimate of reduction in construction costs.** \$ 1,500.00

3. **Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.**
There will be no effects to other departments from this change.

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

March 8, 2010
(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, 2010 Tying the reinforcing steel will have begun already
(date) (effect)

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

None
(date and/or dates)

Additional Comments:

The total savings will be split between APAC and MoDOT for a contract savings of \$750.00 to MoDOT.

[Signature] APAC-Missouri, Inc. 3/8/10

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

Comments: This issue was discussed at the annual ABC/MoDOT COOP meeting. This proposal will provide a cost reduction to the project.
50% / 50% split of V.E. savings

[Signature] _____ 3/8/10
Submitted By Resident Engineer Date

Comments: I concur

Approval Recommended *[Signature]* _____
 Rejection Recommended District Engineer Date

Comments: NOT CHAIRMAN OVERSIGHT

Approval Recommended _____
 Rejection Recommended Federal Highway Administration Date
Required for FHWA Full Oversight Projects

Comments: APPROVED PER DISTRICT RECOMMENDATION AT 50/50 SPLIT

Approval *[Signature]* by PGB 3-10-10
 Rejection State Construction and Materials Engineer 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)

_____ Tie 50% of the bridge deck reinforcing steel in lieu of the specification requirement of 100%

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.

_____ Scan entire document.
