

VALUE ENGINEERING CHANGE PROPOSAL  
MISSOURI DEPARTMENT OF TRANSPORTATION

Date 05/02/2011

Contract ID 101022-503  
County Pettis/Morgan/Monitea Route 50  
Contractor APAC-Missouri, Inc.  
Designed By MoDOT  
VECP # 11-33

Job No. J5P0916/J5P0961  
Original Bid Cost 6,064,456.44  
By Casey Castrop  
Phone 573-449-0886  
VECP  or VECPP/PDU

1. Description of existing requirements and proposed change(s). Advantages/Disadvantages  
Plans call for 122.22 SYDS of "Modified Cold Milling - Depth Transitions"(38.89 SYDS at Rte. D and 83.33 SYDS at Rte. 5), 25.0 Tons of "Bituminous Pavement Mixture PG64-22 (BP-1)", and 17 Gallons of "Tack Coat" at Rte. 5 (South). APAC proposes to pave Rte. 50 and eliminate the 1-3/4" to 1" taper on Rte. 5 per plans (J5P0961) leaving the intersection elevated at the edge of pavement on Rte. 50. We will then pave from the 1-3/4" elevation located on Rte. 5 during the paving operation on J5P2158. This operation eliminates the need for any "Modified Cold Milling - Depth Transitions" at the intersections of Rte. D or Rte. 5, along with the 1-3/4" to 1" taper with "Bituminous Pavement Mixture PG64-22 (BP-1)" and "Tack Coat" at Rte. 5. This will expedite the project, lessen the impact on the traveling public, and save MoDot \$2,759.42.

2. Estimate of reduction in construction costs. \$2,759.42

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

None anticipated

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.

May 20, 2011

(date)

(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: Due to Job No. J5P0961 and Job No. J5M0091 adjoining at the intersection of Rte 50 & Rte D and also due to Job No. J5P0961 and Job No. J5P2158 adjoining at the intersection of Rte 50 & Rte 5, it is necessary to perform cold milling depth transitions B&I and Tack Coat at these locations. Therefore, this 50% VE proposal is acceptable.

Submitted By Resident Engineer Tony [Signature] Date 5-27-11

Comments: Agree w/ comments above. This is the sensible thing to do given the circumstances and APAC's willingness to coordinate among the projects.

Approval Recommended Erik [Signature] Date 6/2/11

Rejection Recommended Assc. [Signature] District Engineer

Comments: Concur with Comments above.

Approval David D. [Signature] State Construction and Materials Engineer Date 6-8-11

Rejection

Digitally signed by Travis Koestner  
DN: cn=Travis Koestner, o=Missouri Department of Transportation, ou=Assistant State Construction and Materials Engineer,  
email=travis.koestner@modot.mo.gov, c=US  
Date: 2011.06.08 07:53:14 -05'00'

Distribution: Resident Engineer, Project Manager, District Operations Engineer, State Construction and Materials Engineer  
\*Value Engineering Administrator - \*MoDOT, P.O. Box 270, Jefferson City, MO 65102

Rt. 50 Pettis/Morgan/Moniteau Counties

J5P0916/J5P0961

ID# 101022-503

VE #2 - @ State Route D and State Route 5(South) - Modified Coldmilling Depth Transition - BP1 Mix - Tack Coat

Item	440	BP1 Mix - 25.0 TONS @ \$53.21/TON	Savings	\$1,330.25
Item	470	Tack Coat - 25.1 GAL @ \$1.75/GAL	Savings	\$29.75
Item	630	Depth Transitions 122.22 SQYD @ \$11.45/SQYD	Savings	\$1,399.42
Total Savings				\$2,759.42
Total Savings MoDOT				\$1,379.71
Total Savings APAC				\$1,379.71

# 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)

\_\_\_\_\_ Due to same contractor having three jobs there can be savings in the intersection transition from project to project.

## *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.