

VALUE ENGINEERING CHANGE PROPOSAL
MISSOURI DEPARTMENT OF TRANSPORTATION

Date 4/01/10

Contract ID 100122-506
County Boone Route 63
Contractor APAC-Missouri, Inc.
Designed By MoDOT
VECP # 10-30

Job No. J5P2149
Original Bid Cost: 2,266,776.17
By Phillip Raines
Phone 573-449-0886
VECP or VECP/PDU

1. Description of existing requirements and proposed change(s). Advantages/Disadvantages
APAC proposes to reduce the width of the vegetative barrier from 6' to 4' from LM 144.49 to LM 147.575 due to the median being narrow through this area and the existing shoulder being 6' wide. This would eliminate approximately 2' of asphalt in this area.
See attached sheet.

2. Estimate of reduction in construction costs. \$24,978.63

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.

April 10, 2010

(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: This is a good PDVE. The existing shoulder along here is concrete and very stable. The savings will be split 75/25

Charles Sullivan

4-2-10

Submitted By Resident Engineer

Date

Charles Sullivan

Comments: Agree with the above comments. It is a good idea and very practical to utilize the existing paved shldr in lieu of removing it and replacing!

Roger Schwartz

4/8/10

District Engineer

Date

- Approval Recommended
 Rejection Recommended

Comments:

Good PDVE!

David D. Coover

4-12-10

State Construction and Materials Engineer

Date

- Approval
 Rejection

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

Reduce Vegetative Barrier from 6' to 4' from LM 144.490 - LM 147.575

Length of section - 3.085 miles
Bridge exceptions 0.304 miles
Net length 2.826 miles

2.826 miles x 5280 lf x 6' / 9 = 9947.52 SY
2.826 miles x 5280 lf x 4' / 9 = 6631.68 SY
Reduced SY 3315.84 SY

MoDOT Savings 3315.84 SY x \$9.19/SY = \$30,472.57

APAC cost to change widener set up from 6' to 4' and back to 6' -\$1,780.20

APAC labor & equipment costs for this section -\$3,713.74

Net Savings to MoDOT \$24,978.63

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. Elimination of vegetative barrier

SUMMARY OF PROPOSAL

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

Contractor proposes to leave in place concrete shoulder that in effect will reduce the vegetative barrier approximately 2' in width. This is a PDVE with a 75/25 split.

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.
