

VALUE ENGINEERING CHANGE PROPOSAL
MISSOURI DEPARTMENT OF TRANSPORTATION

Date 03/04/11

Contract ID 101022-503
County Pettis/Morgan/Monitea Route 50
Contractor APAC-Missouri, Inc.
Designed By MoDOT
VECP # 11-32

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

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

Plans call for widening from STA 5+75 to STA 23+50 & STA 7+50 to STA 24+25; operations are to include removal of existing sub grade and replaced with 4" Type 5 base rock and 7.25" of SP250. Due to operations associated with this type of work it will require temporary preformed marking tape for narrow lane shifts and temporary edge drop off treatment. APAC proposes to install an additional 2" of SP250 in lieu of the 4" of Type 5 base rock, this will allow the operation of matching widening grade to the existing grade in 1 shift. This will eliminate the need for temporary edge treatment for the drop off and the reduction of lane widths. Thus saving MoDOT \$23,232.80 in removable marking tape plus removals. This will expedite the project and lessen the impact on the traveling public. Please see the attached cost factor sheet.

2. Estimate of reduction in construction costs. \$23,232.80

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.~~

March 14, 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 the relatively small amount of work at Rissler Rd. & Rte TT, I agree that this ^{widening} work can be performed in one shift, thus eliminating the need for the ~~temp~~ 4" white & 4" yellow removable marking tape and pavement marking removal.

Tommy J. [Signature]
Submitted By Resident Engineer

5-20-11
Date

Comments: Agree with comments above. Work can feasibly be performed under flagging operations, thus resulting in the subject savings.

Approval Recommended
 Rejection Recommended

Eric Schroeder [Signature]
District Engineer

5/24/11
Date

Comments: Concur with comments above.

Approval
 Rejection

David D. [Signature]
State Construction and Materials Engineer

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: 2011.06.02 14:35:56 -05'00'

Date

Rt. 50 Pettis/Morgan/Moniteau
J5P0916/J5P0961
ID# 101022-503

VE #1 - @ STA 5+75.00 to STA 23+50.00 - Rissler Rd. @ STA 7+50.00 to STA 24+25.00 - Rt TT.

Item	280	4" Remove Mark Tape - 10,280 LF @ \$0.66/LF	Savings	\$6,784.80
Item	290	4" Remove Mark Tape - 10,280 LF @ \$0.66/LF	Savings	\$6,784.80
Item	325	Pave Mark Removal - 20,560 LF @ \$0.47/LF	Savings	\$9,663.20
			Total Savings	\$23,232.80
			Total Savings MoDOT	\$11,616.40
			Total Savings APAC	\$11,616.40

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)

____ Using asphalt in stead of Type 5 base to expedite construction and eliminate temporary marking and lane shift.

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.
