

VALUE ENGINEERING CHANGE PROPOSAL MISSOURI DEPARTMENT OF TRANSPORTATION

Conceptual Proposal **Final Proposal** **Date** August 7 2012

Contract ID 120420-G10 **Job No.** J8P2420

County Christian/Stone **Route** 160 **Original Contract Amount** \$1,114,489.57

Contractor APAC-Missouri, Inc. **By** Darrin Beeson

Designed By Darrin Beeson **Phone** 417-868-6700

VECP# 12-51 (to be completed by C.O.) **VECP** **or** **PDVECP**

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

The existing plans show using Preformed Marking Tape for the 24" yellow hash marks and left/right arrows. This same section of roadway is scheduled to be overlaid in 2013. Referenced attached sheet showing project J8P2270 to be bid in October 2013. Since the life span of the pavement markings installed on the current project will be only one year, we are suggesting to use paint instead of tape for the 24" yellow hash marks and left/right arrows.

2. Estimate of reduction in construction costs. \$23,017.80

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

No future maintenance effects are anticipated since the life span is only one year.

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

August 13, 2012
(date)

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

August 15, 2012 n/a
(date) (effect)

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

n/a
(date and/or dates)

Additional Comments:

By accepting this proposal there would be a savings of \$23,017.80 to the Missouri tax payer. Savings will be split 75%/25% (MoDot/APAC) in accordance with V.E. Specifications. No engineering fees are included, if needed it shall be provided at no cost by MoDot. Payment will be based on actual field measured quantities. Please see attachments for cost breakdown detail.

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

Comments:

I agree with the contractor's assessment that we should use paint in lieu of tape on the hash marks and arrows due to the fact that these markings will be covered up in 2013 with the overlay of the existing pavement. Therefore, I recommend approval of this VE as a Practical Design VE with 75/25 (MoDOT/APAC) split.

Submitted By Resident Engineer

Date

Comments:

I concur.

Approval Recommended

Rejection Recommended

District Engineer

Date

Comments: Not a full oversight project.

Approval Recommended

Rejection Recommended

Federal Highway Administration
Required for FHWA Full Oversight Projects

Date

Comments: Approved per District recommendation as a Practical Design VE at 75/25 split.

Approval

Rejection

State Construction and Materials Engineer

Date

APAC-Missouri Inc.
 Rt. 160 Christian/Stone
 J8P2420

Rt. 160 Striping

Current Original Contract					
Item	Description	Quantity	Unit	Unit Price	Total Price
190	Type 2 Preformed marking tape (Grooved) 24"	1023	LF	\$ 22.28	\$ 22,792.44
200	Type 2 Preformed marking tape, LT/RT Arrow	30	EA	\$ 303.80	\$ 9,114.00
360	Type 2 Preformed marking tape (Grooved) 24"	168	LF	\$ 22.28	\$ 3,743.04
370	Type 2 Preformed marking tape, LT/RT Arrow	3	EA	\$ 303.80	\$ 911.40
Total					\$ 36,560.88

V.E. Proposal					
Item	Description	Quantity	Unit	Unit Price	Total Price
190	24" Yellow Paint	1023	LF	\$ 7.88	\$ 8,061.24
200	LT/RT Painted Arrows	30	EA	\$ 126.00	\$ 3,780.00
360	24" Yellow Paint	168	LF	\$ 7.88	\$ 1,323.84
370	LT/RT Painted Arrows	3	EA	\$ 126.00	\$ 378.00
Total					\$ 13,543.08

Total Diff. \$ 23,017.80

