

JN
4-29-10

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

Date 3/27/2010

Contract ID 090724-401 Job No. J4U1130D
 County Jackson 150 Original Bid Cost \$14,101,938.24
 Contractor Emery Sapp & Sons, Inc. By Jonathan Myers
 Designed By GBA Phone 816.221.3500
 VECP# 10-40 (to be completed by C.O.) VECP or VECP/PDU

1. **Description of existing requirements and proposed change(s). Advantages/Disadvantages**
 Emery Sapp would like to propose the utilization of existing 8" shoulder pavement to be used as temporary pavement in phase 2 of the project. The pavement section is located on the north side of Route 150 from stations 371+00 to 375+ 50. Emery Sapp took 8 random 3" diameter cores in both the middle and outside edge of the existing shoulder and found a minimum of 8 inches of asphalt overlay on 6" concrete on base rock. The existing pavement meets our current temporary pavement detail of 8" of bituminous base asphalt on type 1 base rock. There are savings of \$13,103.01 to the project for this proposal.

2. **Estimate of reduction in construction costs.** \$ 13,103.01

3. **Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.**
 None. Contractor is to maintain all temporary pavement sections.

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.**

4/10/2010 _____
 (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: *I RECOMMEND APPROVAL AS SUBMITTED. THE CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE OF THIS TEMPORARY PAVEMENT SO THERE IS NO RISK TO MoDOT.*

Thomas J. Mackway
Submitted By Resident Engineer

4/13/10
Date

Comments: *BASED ON RECOMMENDATIONS FROM THE RE AND WITH THE UNDERSTANDING THAT ALL MAINTENANCE IS BORN BY THE CONTRACTOR, WE RECOMMEND APPROVAL AS A PRACTICAL DESIGN VE, 75/25 SPLIT.*

Approval Recommended

Rejection Recommended

Elizabeth A. Wight (PW)
District Engineer

4/23/10
Date

Comments: *NOT SIGNATURE OVERSIGHT*

~~Approval Recommended~~

~~Rejection Recommended~~

Federal Highway Administration
Required for FHWA Full Oversight Projects

Date

Comments: *APPROVED AS A PRACTICAL DESIGN VE AT 75/25 SPLIT*

Approval

Rejection

David A. Cooney
State Construction and Materials Engineer

4-28-10
Date



EMERY SAPP & SONS, INC.

140 Walnut St.
Kansas City, MO 64106
O: 816.221.3500
F: 816.421.9533

2602 N. Stadium Blvd.
Columbia, MO 65202
O: 573.445.8331
F: 573.445.0266

5350 E. State Hwy. AA
Springfield, MO 65803
O: 417.833.9915
F: 417.833.9981

April 6, 2010

Mr. Tom Markway, R.E.
Missouri Dept. of Transportation
9400 E 43rd Street
Kansas City, MO 64133

**RE: Value Engineering Proposal #4
Hwy. 150, Jackson County,
Job No. J4U1130D**

Mr. Markway:

Attached to this letter is Modot Form C-104, Construction Value Engineering Change Proposal along with a savings breakdown. This is a Value Engineering Change Proposal that involves using the existing 8" shoulder pavement for temporary pavement during the project phase 2. Emery Sapp has pulled eight 3 inch diameter random cores along this area and found a solid 8" of existing asphalt overlay on 6" concrete material sitting on base rock. The existing meets the current temporary pavement design which calls for 8" bituminous base asphalt on 4" of base rock. Emery Sapp feels this existing pavement is of the appropriate depth and material to hold up to traffic during our phase 2 of the project and feel these shared savings to the project warrant this proposal.

Total Savings from acceptance of VE Proposal: \$ 13,103.01

The temporary pavement layout indicates a new 10 foot pavement section to be constructed from station 371+00 to 375+00 left. Part of this proposal will now be reduce this pavement section to a 2 foot extension from the existing edge in this location eliminating 8' of new pavement. From stations 375+00 to 375+50 the layout calls for 15 feet of new pavement to be constructed. This pavement section will also be reduced to an 5 foot extension from the existing edge of pavement, saving 10' of new pavement from being constructed here as well.

Emery Sapp hear by submits this change for the valuable cost savings to the project. If you have any questions, please contact me at (816) 221-3500. Thank you very much for your time and consideration of this proposal.

Sincerely,

Emery Sapp & Sons, Inc.

Jonathan Myers
Project Manager

Contract ID: 090724-401
Job No: J4U1130D
County: Jackson
Contractor: Emery Sapp & Sons

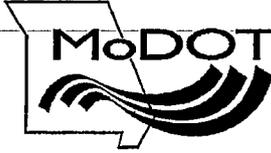
Ward Rd. Temp Pavement							
Line No	Item Description	Contract Schedule			VE Proposal		Cost Difference
		Unit Price	Units	Quantity	Change in Quantity	Revised Quantity	
0220	Type 1 aggregate for base (4 in. thick)	\$ 7.50	SY	18,742	-411	18,331	\$ (3,083.40)
0250	Bituminous Pavement Mix PG64-22 (base)	\$ 50.15	TN	4,115	-184.09	3,931	\$ (9,232.11)
0770	Pavement edge treatment	\$ 1.75	LF	4,465	(450)	4,015	\$ (787.50)
						-	\$ -

Total Savings	\$ (13,103.01)
MoDOT Portion of VE	\$ (9,827.26)
ESS Portion of VE	\$ (3,275.75)

Item not in contract; unit price is an approximation

MEMORANDUM

PO



Missouri Department of Transportation
District 4 Construction
Stadium Project Office

TO: Perry Allen
FROM: Tom Markway, P.E. *TM*
Resident Engineer
DATE: April 13, 2010
SUBJECT: Value Engineering Concept Proposal
Job No.: J4U1130D
Contract Id: 090724-401
Route 150, Jackson County

Attached please find the Value Engineering Proposal #4 and supporting documentation for your review and signature.

I recommend approving this proposal.

If you should have any questions, feel free to contact me.

dh

Enclosures

Copy: Project File

J:\DOCS\Active Projects\J4U1130D\VEmemo

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)

_____ Use existing asphalt shoulder in place in lieu of replacing with new pavement section.

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 proposal only.
