

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

Date 4/7/2010

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# 10-77 (to be completed by C.O.)

VECP or VECPP/PDU

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

The current design for Temporary striping at Route 150 indicates Preformed Removable Marking Tape to be used on existing pavements. The majority of this pavement will be removed and replaced at some point on the project. Therefore, Emery Sapp would like to propose that 4" Acrylic Waterborne Paint be used in place of Preformed Temporary Tape in areas. Some advantages are less maintenance for the contractor and considerable cost savings to the project.

2. Estimate of reduction in construction costs. \$ 88,284.96

3. Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.
None.

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.

4/16/2010 _____
(date) (effect)

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

3/22/2010
(date and/or dates)

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

Temporary Pavement Markings							
Line No	Item Description	Contract Schedule			VE Proposal		
		Unit Price	Units	Quantity	Change in Quantity	Revised Quantity	Cost Difference
0810	Pref rem. marking tape 4" white	\$ 0.96	LF	48,378	-46,743	1,635	\$ (44,873.28)
0820	Pref rem. marking tape 4" yellow	\$ 0.96	LF	76,206	-72,561	3,645	\$ (69,658.56)
	Acrylic Waterborne Paint (4" White)	\$ 0.22	LF		46,743	46,743	\$ 10,283.46
	Acrylic Waterborne Paint (4" Yellow)	\$ 0.22	LF		72,561	72,561	\$ 15,963.42
Total Savings							\$ (88,284.96)
MoDOT Portion of VE							\$ (44,142.48)

* Item not in contract, unit price is an approximation





EMERY SAPP & SONS, INC.

140 Walnut St.
Kansas City, MO 64106
O: 816.221.3500
F: 816.421.9333

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 7, 2010

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

**RE: Value Engineering Proposal #3 Revised
Hwy. 150, Jackson County,
Job No. J4U1130D**

Mr. Markway:

Attached to this letter is Form C-104, Construction Value Engineering Change Proposal. This is a Value Engineering Change Proposal that involves the use of Acrylic Waterborne Paint for temporary pavement markings in place of Preformed Removable Marking Tape as the contract indicates.

Total Savings from acceptance of VE Proposal: \$ 88,284.96

The current design for temporary striping at Route 150 calls for Preformed Removable Marking Tape to be used on existing pavements. The majority of this pavement will be removed and replaced at some point on the project. Therefore, Emery Sapp would like to propose that 4" Acrylic Waterborne Paint be used in place of Preformed Removable Temporary Tape in areas. Some advantages are less maintenance for the contractor and considerable cost savings to the project.

The areas where temporary striping is called out beyond our removal limits; example Ward Rd to the North & South of proposed pavement, on the existing weathered asphalt surfaces we believe Preformed Temporary Marking Tape is well suited for this application.

Emery Sapp would like to also propose that Acrylic Waterborne Paint also be considered for use for phasing temporary striping on the new mainline concrete. According to our Subcontractor Twin Traffic Marking Inc., they can remove this Acrylic paint marking by using a water blasting method without damaging the new concrete pavement. Our experience in the past is that this leaves less residue or marking on the pavement than the residue left from the Preformed Removable Tape.

We hear by submit this Value engineering 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

MEMORANDUM

(Handwritten initials)



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 #3 Revised and supporting documentation for your review and signature.

I recommend approving this proposal.

If there are any questions, please advise.

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 acrylic waterborne paint in lieu of removable marking tape in areas where pavement will be removed and replaced.

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.