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April 18, 2013

Mr. Bradley S. Williams, R.E.
Missouri Dept. of Transportation
1900 NW Cookingham Drive
Kansas City, MO 64155-1260

**RE: Value Engineering Proposal No. 3
Route I-29 Platte Co
Job No. J4I2335**

Mr. Williams:

Enclosed is a Value Engineering Proposal regarding the temporary pavement marking on the above listed project. This proposal has two options for estimated cost savings as described below. The enclosed spreadsheet will show the detailed savings. All quantities included in this proposal are estimated and should be measured as installed.

The first savings option would be for all temporary markings that are not installed on final pavement surfaces. This quantity includes only markings that are on pavement that will be removed before the completion of the project.

The second option would be for the proposal in its entirety, which includes pavement markings on the final pavement surface of I-29 as well as markings on pavement to be removed. The I-29 markings included are in the same location as the permanent markings, therefore any "ghost" lines left behind upon removal would be covered by permanent paint. The tapers were not included in the savings; these areas could be left in tape as planned.

Please let me know if you need any additional information.

Sincerely,
Emery Sapp & Sons, Inc.

A digital signature of Jesse Hinton, P.E., in red ink, with the words 'DIGITAL SIGNATURE' printed in red below it.

DIGITAL SIGNATURE

Jesse Hinton, P.E.
Project Manager

VALUE ENGINEERING CHANGE PROPOSAL MISSOURI DEPARTMENT OF TRANSPORTATION

Conceptual Proposal Final Proposal Date 04/18/2013

Contract ID 130125-C01 Job No. J4I2335

County Platte Route 29 Original Contract Amount \$10,285,801.56

Contractor Emery Sapp & Sons, Inc. By Jesse Hinton, PE

Designed By Jesse Hinton, PE Phone 573-445-8331

VECP# 13-25 (to be completed by C.O.) VECP or PDVECP

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

Current plans require temporary pavement markings to be removable tape. Emery Sapp & Sons proposes to use acrylic waterborne paint in lieu of temporary tape in all locations that are not on the final pavement surface. This estimated quantity would be 17,050 linear feet of 4" yellow and 4" white. An additional 9,100 lf could be added for markings on I-29 that are on the same location as the permanent markings, although it will be the final pavement surface. Tape would still be used for tapers that are not on the same location as the permanent markings. All quantities shall be measured at installation for final savings. See attached sheets for additional information.

2. Estimate of reduction in construction costs. \$19,874.00

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.

NA
(date)

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

4/29/2013 Anticipated schedule for next striping operation.
(date) (effect)

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

NA
(date and/or dates)

Additional Comments:

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

Comments:

I recommend approval of the VE Proposal as submitted. The VE provides a product of equal quality and reduces the project costs. The quantity of actual paint used in lieu of tape may differ from what is listed in the attached spreadsheet, but the final amount will be revised accordingly. Additionally, temporary tape will still be utilized in locations that after removal would be left scarred with an image that might mislead traffic.

Submitted By Resident Engineer

7-17-13

Date

Comments:

Upon consideration of the circumstances relative to this proposal and the actions taken to provide favorable consideration of similar proposals in other Districts, I concur with the recommendation of the Resident Engineer to approve as submitted.

Approval Recommended _____
 Rejection Recommended District Engineer Date

Comments:

Approval Recommended _____
 Rejection Recommended Federal Highway Administration Date
Required for FHWA Full Oversight Projects

Comments:

Approval _____
 Rejection State Construction and Materials Engineer Date

Value Engineering Proposal #3

Cost Savings Generated from Installing Waterborne Temporary Paint

J4I2335 Platte County Route I-29

Reduction of Line Items

Description	Quantity	Unit	Unit Cost	Total
0650 Preformed Removable Tape, 4 in White	7350	LF	\$1.00	\$7,350.00
0660 Preformed Removable Tape, 4 in Yellow	9700	LF	\$1.00	\$9,700.00
0650 Preformed Removable Tape, 4 in White (I-29)	2500	LF	\$1.00	\$2,500.00
0660 Preformed Removable Tape, 4 in Yellow (I-29)	6600	LF	\$1.00	\$6,600.00
				\$0.00
Total Reduction of Line Items =				\$26,150.00

Additional Costs

Description	Quantity	Unit	Unit Cost	Total
0690 4 in Yellow Acrylic Waterborne Paint	9700	LF	\$0.24	\$2,328.00
4 in White Acrylic Waterborne Paint	7350	LF	\$0.24	\$1,764.00
0690 4 in Yellow Acrylic Waterborne Paint (I-29)	6600	LF	\$0.24	\$1,584.00
4 in White Acrylic Waterborne Paint (I-29)	2500	LF	\$0.24	\$600.00
				\$0.00
Total Additional Costs =				\$6,276.00

Total Savings from VE = \$19,874.00

Total Savings from VE (WITHOUT I-29 INCLUDED) = \$12,958.00