

VALUE ENGINEERING CHANGE PROPOSAL
MISSOURI DEPARTMENT OF TRANSPORTATION

Conceptual Proposal Final Proposal Date 7-21-11

Contract ID 090626-802 Job No. J8P0605B, 605D, 605E

County Greene 65 Original Bid Cost \$26,943,391.78

Contractor Emery Sapp & Sons By Josh Doerhoff

Designed By MoDOT Phone 573-445-8331

VECP# 11-58 (to be completed by C.O.) VECP or PDVECP

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

The existing plans called for standard tubular markers to be placed between traffic during Stage 2 & 3 of the above referenced project. Emery Sapp and Sons proposed to place FG 300 Turnpike Systems instead due to their enhanced performance, durability and safety. The original cost for this system was going to be more expensive so MoDOT decided to not participate in the additional cost. Emery Sapp & Sons decided that they would spend the additional cost for the safety and durability enhancements. By using the more durable system MoDOT was able to eliminate the need for 100 tubular markers.

2. Estimate of reduction in construction costs. \$7,500.00

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.

7-21-11
(date)

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

8-1-2011 _____
(date) (effect)

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

(date and/or dates)

Additional Comments:

Even though Emery Sapp & Sons proposed the alternate tubular marker system on December 16, 2010 we were unable to calculate the total savings until the staged construction was complete for the construction of Bridges A16491 & A23641. This is the reason that this Value Engineering Proposal is being submitted after the completion of the above referenced work.

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

Comments:
The actual savings for this proposal should be computed based on 72 markers. Plan Quantity of 168, less 44 markers underrun on the Bridge, less 52 markers actually paid in place, for a net of 72 markers at \$75.00 per each = \$5400.00. The proposal did allow the reduction in the quantity used and replaced, and reduced the maintenance required while the markers were in service. We would therefore recommend that it be accepted to compensate the contractor for their initiative in going ahead with the installation at their cost.

[Signature]

Submitted By Resident Engineer

7/29/11

Date

Comments: *I concur*

Approval Recommended
 Rejection Recommended

[Signature]

District Engineer

7-29-11

Date

Comments: *NOT FEDERAL OVERSIGHT*

Approval Recommended
 Rejection Recommended

Federal Highway Administration
Required for FHWA Full Oversight Projects

Date

Comments: *APPROVED PER DISTRICT RECOMMENDATION*

Approval
 Rejection

[Signature]

State Construction and Materials Engineer

Digitally signed by Dennis Bryant
DN: cn=Dennis Bryant, o=MoDOT, ou=3H35,
email=dennis.bryant@modot.mo.gov, c=US
Date: 2011.08.17 13:18:27 -05'00'

Date

Contract ID: 090626-802

Fed St/Pr Prj Nbr: FAF-65-2(64)

Status: Active

Primary PCN: J8P0605B

District: SW

OrgCode: GCD

Funding

Progress Sched:

Variance Pct: .00

- Federal
- State/Province
- Both

Desc: J8P0605B, D, E - ROUTE 65 - GREENE COUNTY

Time Charges: Completion Date

Bid Days: 740

Bid Amt: \$26,943,391.77

Contract Type: Construction Project Above \$500,000

Fed Oversight

Work Type: NEW CONSTRUCTION

Local Oversight

Proposal Fund Type:

Spec Yr: 1996

Unit System: English

Suppl Spec Bk Yr: 1996

Alt ID:

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 FG 300 Turnpike Systems in lieu of planned tubular markers for stage construction. _____

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 entire document.
