

Form C-104
Rev. 2/01

CONSTRUCTION VALUE ENGINEERING CONCEPT PROPOSAL MISSOURI DEPARTMENT OF TRANSPORTATION

Contract ID 070427-607 Date 5/11/09
 County St. Charles Route 40 Job No. J6P0672C
 Contractor Millstone Bangert, Inc. Original Bid Cost \$22,949,743.47
 Designed By Millstone Bangert, Inc. By Jim Schaefer
 Phone 636-949-0037

VECP 09-42

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

Upon further review of the shoring shown to be installed for the improvements to Bridge A6754 and Bridge A14562, MBI is proposing to eliminate the shoring as a result of alternate options to construct the proposed improvements. Utilizing the available work space and benching the excavation will allow the improvements to be completed and underrun the shoring shown to be installed.

- 2. Estimate of reduction in construction costs. \$20,000.00
- 3. Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.

The proposed changes either have no changed effect or reduce the anticipated future maintenance.

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.

_____ (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: Recommend Approval, Contractor will stage construction and not require temporary shoring for traffic and edge drop off. Checked with design & project manager and they agree.

[Signature]
Submitted By Resident Engineer

6/4/09
Date

Comments: THIS SHOULD BE A 50/50 SPLIT, THERE WAS ENOUGH ROOM TO HAVE A 1 TO 1 SLOPE AND NOT USE THE TRAMP SHORING.

Approval Recommended
 Rejection Recommended

[Signature]
District Engineer

6-11-09
Date

Comments: Approved on the basis of the district's comments and following discussion with Travis Koestner. Denis Glascock 06/15/2009.

Approval
 Rejection

[Signature]
State Operations Engineer

6-16-09
Date

Distribution: Resident Engineer, District Operations Engineer, State Operations Engineer
*Value Engineering Administrator - *MoDOT, P.O. Box 270, Jefferson City, MO 65102

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. - Work in lieu of shoring

SUMMARY OF PROPOSAL

(If needed, condense summary to a couple of lines)

This VE involves earthwork and benching of the work area in lieu of using the designated shoring procedures.

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.
