

VALUE ENGINEERING CHANGE PROPOSAL MISSOURI DEPARTMENT OF TRANSPORTATION

Conceptual Proposal Final Proposal Date 4/15/10
 Contract ID 100122-205 Job No. J2P2167
 County CARROLL 24 Original Bid Cost \$239,540.20
 Contractor CHESTER BROSS CONST. By LAYNE COLGROVE
 Designed By MoDOT Phone 573-221-5958
 VECP# 10-46 (to be completed by C.O.) VECP or PDVECP

- 1. Description of existing requirements and proposed change(s). Advantages/Disadvantages**
 Existing plans are for building Westbound turn lane and provide for a center turn lane into an ethanol plant by adding onto the west side of Highway 24. Current design is to add on to new asphalt pavement and match adjacent super elevation, (6.6% at highest point), along with replacing existing concrete entrance.
 Our proposal is to A) lower the super elevation throughout the project, and B) leave in place as much as possible the existing entrance and mill a butt joint with asphalt overlay to match the adjusted pavement elevation.
- 2. Estimate of reduction in construction costs.** \$22,172.50
- 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.**
4/19/10
 (date)
- 5. Deadline for issuing a change order to obtain maximum cost reduction, noting the effect of contract completion time or delivery schedule.**
4/26/10 Schedule to start 4/26/10
 (date) (effect)
- 6. Dates of any previous or concurrent submission of the same proposal.**
None.
 (date and/or dates)

Additional Comments:

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

Comments:

Aaron Peck, Assistant to the Resident Engineer, concurs with the revised proposal.

Aaron Peck OMB

Submitted By Resident Engineer

4/22/2010

Date

Comments:

MoDOT staff has redesigned the right turn lane and entrance construction using the concept provided by the contractor. The new design leaves in place all of the existing entrance except for the portion that will fall within the limits of the through lane. The portion left in place will be overlaid with 3.75" of asphalt. This design has increased the overall savings from the contractor's proposed amount of \$6,000 to \$22,172.50. This qualifies as a 50% cost share VE, so the contractor will receive \$11,086.25.

**Approval
Recommended**

David A. Adams

4/22/2010

**Rejection
Recommended**

District Engineer

OMB

Date

Comments:

N/A

N/A

**Approval
Recommended**

**Rejection
Recommended**

Federal Highway Administration
Required for FHWA Full Oversight Projects

Date

Comments:

Approval

Rejection

David A. Adams

State Construction and Materials Engineer

5-5-10

Date

Distribution: Resident Engineer, Project Manager, District Construction & Materials Engineer, State Construction & Materials Engineer, FHWA 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. _____

SUMMARY OF PROPOSAL

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

MAINLINE CROSS-SCOPES WILL BE ADJUSTED TO ELIMINATE
NEED FOR REPLACING AN EXISTING CONCRETE ENTRANCE

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.
