

VALUE ENGINEERING CHANGE PROPOSAL MISSOURI DEPARTMENT OF TRANSPORTATION

Conceptual Proposal **Final Proposal** Date 1/10/13

Contract ID 091208-601 Job No. J6I0984

County St. Louis Original Bid Cost \$229,450,505.00

Contractor Massman, Traylor, Alberici, A JV By Thomas G. Tavernaro

Designed By BRK Electrical/PCE Phone (314) 881-6704

VECP# 13-01 (to be completed by C.O.) VECF or PDVECF

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

The existing plans call for the use of PVC coated aluminum conduit to be installed inside of each tower leg to power the lighting, receptacles, and aviation lighting. We propose the use of PVC coated MC cable in lieu of the PCA. The MC cables would be installed in the space between the two alternating ladders. This will allow for ease of future maintenance; being in a spot that is accessible with the ladders. The conduit location shown on the plans is not accessible from the ladders and platforms and would be difficult to access for future maintenance or modifications.

2. Estimate of reduction in construction costs. \$21,374.58

3. Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.

Potential future savings in terms of ease of service and maintenance.

4. Anticipated date for submittal of detailed change(s) of items required by Section 104.6 of the Specifications.

1/10/13
(date)

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

1/18/13 Possible schedule delay in delivery of material
(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:

This proposal provides for a substitution of MC cable in lieu of PVC coated aluminum conduit within the tower legs to power the lighting, receptacles and aviation lighting. Based on discussions with District MoDOT Lighting, approval is recommended for this proposal. Cost savings are currently under review.

Submitted By Resident Engineer

Date

Comments:

**Approval
Recommended**

District Engineer

Date

**Rejection
Recommended**

Comments:

**Approval
Recommended**

Federal Highway Administration
Required for FHWA Full Oversight Projects

Date

**Rejection
Recommended**

Comments:

Approval

State Construction and Materials Engineer

Date

Rejection