

**VALUE ENGINEERING CHANGE PROPOSAL
MISSOURI DEPARTMENT OF TRANSPORTATION**

Conceptual Proposal Final Proposal Date 06/25/2010
Contract ID 100430-611 Job No. J611885
County St. Louis Original Bid Cost \$2,748,495.89
Contractor Millstone Bangert, Inc. By Bob Kille
Designed By MoDOT Phone 314-691-3958
VECP# 10-71 (to be completed by C.O.) VECP or PDVECP

1. Description of existing requirements and proposed change(s). Advantages/Disadvantages
Existing: Current Stage 1 plans show 4 stages each to complete the rehabilitation of bridges A46521 and A46501(EB & WB I-64 over I-270) using temporary traffic barrier across the full length of the bridges to protect the staged work areas.
Proposed: We propose to perform this work by protecting each joint location with a shorter section of TTB and multiple attenuator barrel arrays. This allows better access to the work areas while still protecting the work zone. It also minimizes the impact to the traveling public by shortening the duration of time it will take to complete the work and generates savings by underrunning some of the traffic control items set up in this stage.

2. Estimate of reduction in construction costs. \$65,733

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.
07/21/2010
(date)

5. Deadline for issuing a change order to obtain maximum cost reduction, noting the effect of contract completion time or delivery schedule.
N/A None
(date) (effect)

6. Dates of any previous or concurrent submission of the same proposal.
N/A
(date and/or dates)

PROJECT J611885 I-64 & I-270 BRIDGE REHAB
 VALUE ENGINEERING CHANGE PROPOSAL NO. 5
 STAGE 1-1C TRAFFIC CONTROL REVISION
 QUANTITIES INCLUDED FOR STAGE 1 THROUGH 1C ONLY ON BRIDGES A46501 AND A46521

ITEM	UNIT	PLAN		CONTRACT VALUE(\$)	REVISION 1			VARIANCE (\$)
		UNITS	UNIT PRICE(\$)		UNITS	VARIANCE UNITS	REVISION 1 VALUE(\$)	
90 6122014 IMPACT ATTENUATORS (14 SAND BARRELS)	EA	3	\$ 3,500.00	\$ 10,500.00	9	6	\$ 31,500.00	\$ 21,000.00
110 6122030 IMPACT ATTENUATORS(RELOCATION)	EA	6	\$ 600.00	\$ 3,600.00	27	21	\$ 16,200.00	\$ 12,600.00
260 6173600D TEMPORARY TRAFFIC BARRIER	LF	6,615	\$ 15.00	\$ 99,225.00	1,800	(4,815)	\$ 27,000.00	\$ (72,225.00)
270 6175010A RELOCATE TEMPORARY TRAFFIC BARRIER	LF	12,736	\$ 3.00	\$ 38,208.00	3,700	(9,036)	\$ 11,100.00	\$ (27,108.00)
							\$	\$ (65,733.00)

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)

This VE involves using attenuator barrel arrays in lieu of temporary barrier to safely protect the worksite and allow easier access for construction activities.

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.
