

VALUE ENGINEERING CHANGE PROPOSAL
MISSOURI DEPARTMENT OF TRANSPORTATION

Conceptual Proposal Final Proposal Date 4/12/10
Contract ID 090626-604 Job No. J6I2011
County Franklin County Original Bid Cost \$17,377,464.69
Contractor Fred Weber, Inc. By Don McGraw
Designed By Crawford, Murphy & Tilly Phone 314-792-6726
VECP# 10-47 (to be completed by C.O.) VECP or PDVECP

1. Description of existing requirements and proposed change(s). Advantages/Disadvantages
Substitute Cal-Tran slipform style Modified Type C Concrete Barrier in place of the Modified Type C Concrete Barrier design provided in the project plans.
Advantages: Expedite Permanent Construction, Reduce Potential for Cross Over Incidents, Provides Astetic benefits by Providing Continuity of the Type C Concrete Barrier and the Type C Modified Concrete Barrier, and Monatary Savings.
Disadvantage: None

2. Estimate of reduction in construction costs. \$ 42,030.00

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.
4/23/10
(date)

5. Deadline for issuing a change order to obtain maximum cost reduction, noting the effect of contract completion time or delivery schedule.
5/01/10 The deadline of 5/01/10 is only for MoDOT to issue a decision as to whether the concept is acceptable.
(date) (effect)

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

Job J612011 Rte 44 Franklin County , MO. VE Proposal #2

Description	Plan Quantity	New Quantity	Quantity Revision	Unit	Unit Price	Savings
Change Modified Type C Concrete Barrier						
Line Item # 0540	10,406	-	(10,406.00)	LF	\$ 75.00	\$ (780,450.00)
Line Item # 0540 (Revised)	0	10,406.00	10,406.00	LF	\$ 70.00	\$ 728,420.00
Engineering Fee	0	1.00	1.00	LS	\$ 10,000.00	\$ 10,000.00

* VE Reduced Steel Reinforcement requirement.
 Reduction is Approximately 144,180 LB @
 \$35.90 per Hundred Weight.

\$ (42,030.00)

\$ (42,030.00)

\$ 21,015.00
 \$ (21,015.00)

Proposed Savings

VE Share to MoDOT
 VE Share to FWI

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. Barrier

SUMMARY OF PROPOSAL

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

This VE involves partial the substitution of a special design barrier in place of the standard barrier.

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.
