

V.E. No. 8

Form C-104
Rev. 2/01

CONSTRUCTION VALUE ENGINEERING CONCEPT PROPOSAL
MISSOURI DEPARTMENT OF TRANSPORTATION

Contract ID	<u>051216-602</u>	Date	<u>4/25/07</u>
County	<u>St. Charles</u>	Job No.	<u>J6I0950</u>
Route	<u>94/70</u>	Original Bid Cost	<u>\$18,225,756.91</u>
Contractor	<u>Fred Weber, Inc.</u>	By	<u>Charles Hayes</u>
Designed By	<u>GBA, Inc.</u>	Phone	<u>(314) 316-6154</u>

VECP 08-83

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

Existing:

Cast-in-place retaining wall A7186 is designed to retain the fill between the shoulder of Highway 94 and the Arby's parking lot due to the proximity of the Arby's parking lot to the new alignment. The wall was designed to retain a very small fill and it is only 36 feet in length and has only 3 or 4 feet on average exposed face.

Proposed:

We are proposing to eliminate the wall and change the slope profile to fit. Through field verification we have determined that there is enough room to properly slope the grade from the shoulder of Highway 94 to the back of the curb on the Arby's parking lot. The MoDOT inspectors in the field reviewed our verification that it would work.

2. Estimate of reduction in construction costs. \$13,466.23 Total

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.

attached
(date)

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

5/21/07 No immediate affect to construction, but impacts owner of adjacent property.
(date) (effect)

6. Dates of any previous or concurrent submission of the same proposal.

N/A
(date and/or dates)

Additional Comments:

V.E. Proposal for the elimination of a non-essential item by changing the slope profile to meet the surfaces in question. Attached is a breakdown of bid items and costs incurred as well as savings split for review.

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

Comments:

I recommend approval of this VE as a 25% Underrun VE. All grades have been checked in the field and an acceptable slope down to the Arby's parking lot can be achieved.

Signature: Matthew N. Gunn 4-25-07
Submitted By/Resident Engineer Date
Name: MATT JANSSON

Comments: AS NOTED ABOVE.

Approval Recommended
 Rejection Recommended
Signature: Ed Hassinger 10-7-08
Name: ED HASSINGER Date
District Engineer

Comments: As noted above.

Approval
 Rejection
Signature: Dave Ahlvers ^{02/07} 10/8/08
Name: Dave Ahlvers Date
State Construction and Materials Engineer

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

Bid Item:	Item #:	Description	Quantity	Units	Unit Bid Cost	Bid Total
2880	F2061000	CLASS 1 EXCAVATION	35.00	CUYD	\$40.00	\$1,400.00
2890	F7032009	CLASS B CONCRETE (RET WALLS)	15.40	CUYD	\$570.00	\$8,778.00
2900	F7034620	FORM LINERS	18.00	SQYD	\$178.00	\$3,204.00
2910	F7061000	REINFORCING STEEL	930.00	LB	\$1.60	\$1,488.00
Total						\$14,870.00

Costs Incurred for V.E.:

Re-Steel already purchased and delivered
 John Deere 550-H Dozer for additional slope grading
 Operator time to run rig
 Laborer time to check grades

930.00	LB	\$0.43	\$399.90
6.00	HR	\$72.59	\$435.54
6.00	HR	\$52.53	\$315.19
6.00	HR	\$42.19	\$253.13
Total			\$1,403.77

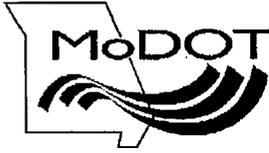
Amount available for Value Engineering:

Total	\$14,870.00
Costs	\$1,403.77

Total **\$13,466.23**

Value Engineering Savings, Split 50/50

MoDOT	\$6,733.12
FWI	\$6,733.12



MEMORANDUM

Missouri Department of Transportation
Construction
St. Peters Project Office

TO: Matt Budd
District Construction & Materials Engineer

CC: Dave Ahlvers – State Construction & Materials Engineer
Tom Allen – Value Engineering Administrator
Pat McDaniel – Technical Support Engineer

FROM: Niall Jansson *NJ*
Resident Engineer

DATE: June 10, 2008

SUBJECT: **Value Engineering Proposal No. 8**
Job No.: J6I0950
Contract ID: 051216-602
Route I-70 – St. Charles County

Attached for your review is a copy of Fred Weber's eighth V.E. Proposal for the above noted project. This proposal was originally submitted in April, 2007. However, a signed copy can not be located. It is possible that verbal approval was granted because a decision was needed rapidly, however, the paper copies failed to follow up. Randy Hitt and Matt Budd were included in the discussions on this proposal. This project is now complete.

If you have any questions or require additional information, please call me at 636-397-2588.

Attachment

VALUE ENGINEERING CHECK SHEET 6-16-08

J6I0950 051216-602 I-70 St Charles VE No 8

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)

Removed MSE wall material and labor cost. On site conditions allow grading to slope material to meet surfaces in question.

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.