VALUE ENGINEERING CHECK SHEET

TYPE OF WORK

(Check one that applies)

- ❑ Bridge/Structure/Footings
- ❑ Drainage Structures (RCP, RCB, CMP's, ect.)
- X TCP/MOT
- ❑ Paving (PCCP, ect.)
- ❑ Grading/MSE Walls
- ❑ Signal/Lighting/ITS
- ❑ Misc. _____

SUMMARY OF PROPOSAL

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

_____Modify staged construction to eliminate the need for 800 linear feet of temporary concrete 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.

_____Scan entire document.

Comments: APPROVED PER DISTRICT RECOMMENDATION AS 75/25 SAVT.		
☒ **Approval**	David D. Geaver by [illegible]	9-2-09
☐ **Rejection**	State Construction and Materials Engineer	Date

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

SEPTEMBER 21, 2009

→ FEDERAL HIGHWAY ADMINISTRATION

WE CONCUR WITH THE RESIDENT ENGINEER. THIS PROPOSAL IS NOT A VE OPPORTUNITY; IT SHOULD HAVE BEEN SUBMITTED AS AN UNDERRUN ONLY. FHWA does NOT RECOMMEND THE ELIMINATION OF THE 800 LF TEMPORARY BARRIER WALL. THEREFORE, FHWA WILL NOT PARTICIPATE WITH ANY FUNDS FOR ANY WORKS ASSOCIATED OF THE WORKS RELATED TO THIS VECP.

Felix R. Gonzalez

FELIX R. GONZALEZ

EXAMINED AND RECOMMENDED
FOR REJECTION
SEPT. 21, 2009

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

August 24, 2009	No change to completion date or schedule.
(date)	(effect)

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

N/A

(date and/or dates)

Additional Comments:

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

Comments: With paving sequence APAC is using, I don't think the barrier is necessary, just the attenuators. However, I believe this is an underrun only, not a V.E. opportunity.

Submitted By Resident Engineer — Date: 8/24/09

Comments: I concur. Recomend 75/25 split

☒ **Approval Recommended**

☐ **Rejection Recommended**

District Engineer — Date: 8-26-09

Springfield Branch Office
P.O. Box 1187
Springfield, Missouri 65801
(417) 868-6700 • Fax (417) 868-6785

APAC – Missouri, Inc. • Missouri Division • P.O. Box 1117 • Columbia, Missouri 65205 • (573) 449-0886 • Fax (573) 449-7966

August 6, 2009

MoDOT Dist. #7
Attn: Steve Campbell, RE
1501 Malcolm Mosby Dr.
Neosho, MO 64580

Re: JOB NO: J7I0599
Rt. 44, Lawrence County

Dear Steve,

Attached are four copies of our proposal for eliminating the temporary barrier wall on the above referenced project. We are submitting this proposal under section 104.6 of the Missouri Standard Specifications for Highway Construction. We feel that the proposal meets the Value Engineering requirements because it reduces the overall cost of the project for the taxpayers. As noted in our proposal, no engineering costs have been added to our proposal. I am requesting a response from MoDOT, in writing, by no later than August 24, 2009.

If you have any questions, feel free to call.

Sincerely,

David Wilkins
Project Engineer

FHWA
MO DIV
RECEIVED
Sep 10, 2009

RECEIVED
SEP 23 2009
Construction & Materials - ECR

Form C-104
Rev. 10/07

CONSTRUCTION VALUE ENGINEERING CHANGE PROPOSAL
MISSOURI DEPARTMENT OF TRANSPORTATION

Date 8/6/09

Contract ID 080919-701 | Job No. J7I0599 / 44-1 (77)

County Lawrence | Route 44 | Original Bid Cost $6,344,873.92

Contractor APAC-Missouri, Inc. | By David Wilkins

Designed By APAC-Missouri, Inc. | Phone 417-868-6700

VECP 09-73

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

The original design called for installing 800 lf of barrier wall in order to switch traffic onto the new bridge during stage construction on the above referenced project. Due to the way we have went about our stage work construction, there is no need to install the 800 lf of barrier wall as called for in traffic control sheet 8 of 11 (see attached). We propose to eliminate the barrier wall and install sand barrel attenuators on the bridge ends to protect the blunt ends.

Note: No engineering fees were included in the above proposal. We are requesting that if any engineering is required, MoDOT perform the engineering at no cost to APAC-Missouri, Inc or this proposal. We are submitting this as a VE 50/50 split. APAC will accept no liability due to any DBE reduction as a result of this V.E.

The advantage of under-running the barrier wall on Rt. 39 it is that it will serve the same purpose at a lower cost to the taxpayers.

APAC-Missouri, Inc. does not foresee any disadvantages to the above proposal.

The estimated net savings is $21,160.00.
800 LF Barrier Wall x $26.45/LF

→ Rejected
09/21/09

2. Estimate of reduction in construction costs.

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

APAC-Missouri, Inc. foresees no additional costs for MODOT.

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

N/A
(date)