

CONSTRUCTION VALUE ENGINEERING CHANGE PROPOSAL
MISSOURI DEPARTMENT OF TRANSPORTATION

Contract ID 070831-701 Date 3-20-08
County Jasper Route 249 Job No. J7U0436H
Contractor APAC-Missouri, Inc. Original Bid Cost \$6,667,006.49
Designed By APAC-Missouri, Inc. By David Wilkins
Phone 417-868-6700

VE# 08-25

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

We are submitting the following as a practical design in which APAC-Missouri, Inc. will receive 25% of the under-run dollar amount of Class A Excavation. The original design calls for removing the concrete and lowering the subgrade of the existing EBL Rt. 171. We are proposing to remove the concrete off of this area and not lower the grade. If need be, we can grade ditches perpendicular to the existing road bed for drainage. We feel by not grading the existing road bed as shown in the cross sections, placing the concrete in the fills (as agreed upon in past conversations), and taking excess dirt generated from the Subgrade and Shouldering item area north of the rail road tracks, there will be a significant under-run in the Class A excavation item. However, this quantity is not reasonably capable of being computed or quantified at this time. We are therefore proposing MoDOT topographical survey the Class A excavation area before and after we perform work and calculate the actual cubic yards of dirt we move. This will allow us to quantify the amount of Class A excavation work that was performed. In reviewing the cross sections, we are of the opinion that the only reason the existing EBL of Rt. 171 is being excavated to a lower grade is to generate material for the fills. As listed above, we believe that we will have enough material by not excavating this area as proposed in the cross sections. In the areas that we simply remove the concrete off of the existing EBL of Rt. 171, then the linear grading item needs to be paid in these areas as it is called for in the plans from Sta. 2+817 to 2+925 to shape the existing road bed.

The primary advantage is the that the above design will serve the same purpose as the original design at a lower cost to the taxpayers.

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

As stated above, the estimated savings is not able to be quantified at this time. The savings will have to be based upon a topographical survey of the existing and final areas described above. This will allow for the actual cubic yard under run to be quantified and the shared savings to be computed.

2. Estimate of reduction in construction costs. NA
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 to MoDOT.

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

NA
(date)

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

March 31, 2008
(date)

No change to completion date or schedule.
(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:

I agree with the comments on the proposed change and the associated cost savings.

Beth A Schaller

Submitted By Resident Engineer

4/3/08
Date

Comments:

I agree with the proposal.

- Approval
Recommended
- Rejection
Recommended

Becky Bell

District Engineer

4/8/08

Date

Comments:

see comments on next page

- Approval
- Rejection

David D. Coover

State Construction and Materials Engineer

4-22-08

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

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)

USE EXISTING ROADWAY REMOVAL TO REDUCE
EXCAVATION QUANTITIES AT OTHER LOCATIONS.

APPROVED AS 50/50 INSTEAD OF 25/75 AS PROPOSED

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.



MEMORANDUM

Missouri Department of Transportation
Construction & Materials
District 7

Handwritten:
District 7
Field Office

TO: Dave Ahlvers
State Construction & Materials Engineer

FROM: Michael C. Middleton *M.C.M.*
District Construction & Materials Engineer

DATE: April 8, 2008

SUBJECT: Contract 070831-701
Job No. JU0436H
Route 249, Jasper County
Value Engineering Proposal

RECEIVED
APR 10 2008
Construction & Materials - ECR

Attached you will find three copies of a Value Engineering Proposal from APAC-Missouri, Inc. on the above referenced project for your review and signature.

Please return two copies to my attention, retaining the third copy for your records.

Thank you.