

CONSTRUCTION VALUE ENGINEERING CONCEPT PROPOSAL
MISSOURI DEPARTMENT OF TRANSPORTATION

Date 04/08/2008

Contract ID 080125-402
County Henry Route 7
Contractor Hilty Quarries, Inc.
Designed By Steve Harris

Job No. J4P1934
Original Bid Cost \$4,507,337.80
By Steve Harris
Phone (660) 885-8135

VECP 08-73

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

Plans for project indicate performing a 2' wide by 1.5" deep mill and fill operation along the lane-side edge of shoulder from log mi. 74.379 to log mi. 78.991 in preparation for installation of rumble strips. In light of the fact that the existing shoulder pavement section is approximately 15" thick, we feel that the mill & fill preparation for rumble strips is unnecessary. Eliminating this work will reduce the overall impact to the traveling public, and under-run the 1.5" milling by 10,377 sq. yds. and the BP-1 by 894.6 tons.

2. Estimate of reduction in construction costs. \$40,685.02

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

No negative effects are foreseen from this change.

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

04/08/2008
(date)

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

04/28/2008 No effect on overall completion date.
(date) (effect)

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

None
(date and/or dates)



Additional Comments:

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

Comments: The plans show that the section of pavement documented in Hilty Quarries Value Engineering Proposal is not to receive rumble strips. However, the two-foot coldmilling and asphalt replacement for rumble strip preparation was left in the plans through this area. This work is not needed. This is a design error that falls under the Practical Design Value Engineering criteria. Hilty Quarries has requested payment for discovery. I recommend the 75% owner/ 25% contractor Practical Design Value Engineering.

Jon A. Voss

Submitted By Resident Engineer

4/24/08

Date

Comments: -

Elizabeth A. Wight (PDA)

- Approval Recommended
- Rejection Recommended

District Engineer

7/3/08

Date

Comments:

APPROVED PER DISTRICT'S RECOMMENDATION

David D. Coover

- Approval
- Rejection

State Operations Engineer

by PGB 9-11-08

Date

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 in place existing shoulder in lieu of mill-and-fill for rumble strip installation.

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.

_____ Document is not lengthy.
