

Missouri
Department
of Transportation



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Tom Stehn, District Engineer

TO: Brian Williams
Technical Support Engineer

FROM: Edward Hess
Operations Engineer, D9 

DATE: June 9, 2008

Subject: Value Engineering Proposal
Contract I.D. 070330-902
Project: FAF 63-2(40)
Job: J9P0545
Rte. 63, Phelps Co.

Attached please find the Value Engineering Proposal submitted by the contractor, Lake Asphalt Paving and Construction for the above noted project. We concur with the RE's recommendation for approval.

Thank you, for you attention in this matter.

Additional Comments:

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

Comments: Recommend approval as practical design with cost savings shared at 75/25. Proposal will speed completion of project. Discussed with Maintenance and received their buy-in.

Victoria Wood 6/3/08
Submitted By Resident Engineer Date

Comments:

Approval Recommended
 Rejection Recommended

Tom Sehn 6/9/08
District Engineer Date

Comments: Approve as a practical design V.E. with 75% MoDOT and 25% contractor savings

Approval
 Rejection

David D. Green 6-13-08
State Operations Engineer *BAW* Date

Attachment 1

Value Engineering Proposal
 J9P0545
 Rt 63 Phelps County

1. Replacement of CMP, propose to leave in place existing 15" and 18" CMP in good condition. This is time and money savings
2. Contract requires shaping slopes class 2, with seed and mulch. Propose to replace with rock; due to the existing width of the existing shoulder, ground disturbance is minimal, rock can be placed against the new asphalt. This also eliminates sediment removal and type 1 ditch checks. Time and money savings
3. Existing requirements for Type 1,2 and 3 driveways include extending 10-30 feet. Propose to reduce driveway quantities of Bituminous Base and Type 1 Base, to build an adequate driveway extended 5-12 feet. Time and money savings

Propose to eliminate quantities

Line 0030 Type 1 Base	3950	SY	\$ 7.71	\$ 30,454.50
Line 0040 BP-1	1000	Ton	\$ 57.03	\$ 57,030.00
Line 0020 Shaping Slopes Class 2	1384	per 100'	\$ 33.14	\$ 45,865.76
Line 0280 15" Pipe Group B	30	ft	\$ 34.77	\$ 1,043.10
Line 0290 18" Pipe Group B	310	ft	\$ 34.02	\$ 10,546.20
Line 0310 Sediment Removal	176	CY	\$ 7.43	\$ 1,307.68
Line 0330 Type 1 Ditch Check	176	EA	\$ 65.00	\$ 11,440.00
				\$157,687.24

Propose to install quantities

Base Rock	200	ton	\$ 25.00	\$ 5,000.00
			Savings	\$152,687.24

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. Practical Design

SUMMARY OF PROPOSAL

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

_This proposal will leave in place CMP's that are in good shape. It also eliminates shaping slopes, and erosion control measures and will use a base rock wedge for edge drop offs. Driveways were to be asphalt to the R/W line but now will be reduced to provide an adequate transition.

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.
