

VALUE ENGINEERING CHANGE PROPOSAL
MISSOURI DEPARTMENT OF TRANSPORTATION

Conceptual Proposal Final Proposal Date 7/22/11
Contract ID 110318-301 Job No. J3P2177
County PIKE Rt. 79 Original Bid Cost 2,039,459.40
Contractor KOLB GRADING, LLC. By ERNIE CLANTON
Designed By _____ Phone 314-575-6008
VECP# 11-50 (to be completed by C.O.) VECP or PDVECP

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

PROPOSE ~~SUBSTITUTING~~ USING ROCK FILL MATERIAL IN PLACE OF EMBANKMENT IN PLACE (70,059 C.Y.)
→ BETTER FILL MATERIAL
→ REDUCE QUANTITIES OF: GEO-FABRIC, SEEDING, TEMP EROS MEASURES

2. Estimate of reduction in construction costs. \$ 30,823.40

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

- LESS MOWING
- LESS POTENTIAL FOR SLOPE EROSION

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

INCLUDED
(date)

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

11/1/11 NONE
(date) (effect)

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

N/A
(date and/or dates)

Job No. J3P2177
 Contract ID 110318-301
 KOLB GRADING, LLC

Value Engineering Change Proposal
 Detailed Proposal List

Item No	Description	Plan Quant	Units	Unit Price	Est Quant Reduction	Total Cost Reduction
280	Perm Erosion Control Goetextile	20063	SY	\$1.20	12512	\$15,014.40
390	Seeding - Cool Season Mix	4	AC	\$1,650.00	1.2	\$1,980.00
400	Seeding - Warm Season Mix	12	AC	\$1,800.00	1	\$1,800.00
410	Type B Berm	2950	LF	\$1.00	2000	\$2,000.00
420	Slope Drains	447	LF	\$4.00	305	\$1,220.00
440	Temporary Seeding and Mulching	4	AC	\$1,200.00	0.5	\$600.00
450	Silt Fence	12509	LF	\$1.70	2770	\$4,709.00
480	Type 2 Erosion Control Blanket	7177	SY	\$1.40	2500	\$3,500.00
						\$30,823.40

(~~ADAC~~) ~ # 4,115.20
 (~~AC~~) ~ # 4,150.00
 WETTER ~ 5,700.00
 ~ (#220)

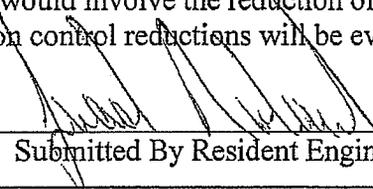
OK Estimated Reductions

Additional Comments:

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

Comments:

This Value Engineering Change Proposal of utilizing rock fill material for the Embankment in Place quantities will insure a stable roadway embankment while reducing the potential for erosion. The cost savings associated with this proposal would involve the reduction of erosion control practices originally designed for dirt based fill. All erosion control reductions will be evaluated in the field to determine final acceptance.


Submitted By Resident Engineer

08/08/2011

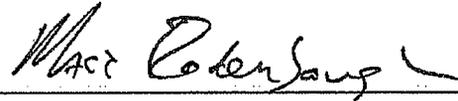
Date

Comments:

Agree with RE comments

Approval Recommended

Rejection Recommended



District Engineer for Paul Gough

8/8/11

Date

Comments:

Approval Recommended

Rejection Recommended

N/A

Federal Highway Administration
Required for FHWA Full Oversight Projects

Date

Comments:

50%

Approval

Rejection



State Construction and Materials Engineer

Digitally signed by Dennis Brucks
DN: cn=Dennis Brucks, o=Field Office, ou=6N25,
email=Dennis.Brucks@modot.mo.gov, c=US
Date: 2011.08.17 13:59:06 -05'00'

8/10/11

Date

Distribution: Resident Engineer, Project Manager, District Construction & Materials Engineer, State Construction & Materials Engineer, FHWA 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 Rock Fill in lieu of Embankment in Place. Eliminates need for temporary and permanent erosion control items.

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 all pages.