

VALUE ENGINEERING CHANGE PROPOSAL MISSOURI DEPARTMENT OF TRANSPORTATION

Conceptual Proposal Final Proposal Date 07/17/13

Contract ID 120629-B02 Job No. J3P0749

County Lincoln Route 61 Original Contract Amount \$5,032,827.61

Contractor Iron Mountain Const. Services By Brandy Broeckling

Designed By Iron Mountain Const. Services Phone 314-565-7524

VECP# 13-44 (to be completed by C.O.) VECP or PDVECP

1. Description of existing requirements and proposed change(s). Advantages/Disadvantages
Existing - Construct barrier footing between NB 61 and Outer Road with 6' wide 9" PCCP.

Proposed Change - C barrier was changed to E barrier at no cost. Since barrier has no dowels, change footing between NB 61 and Outer Road to 7" PCCP, which matches the Outer Road pavement thickness. Eliminate 2' width of this PCCP under barrier wall, construct barrier on base rock per I-64 standard drawing. This has been on numerous MoDOT projects since the I-64 project.

2. Estimate of reduction in construction costs. \$15988.87

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

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

07/17/13
(date)

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

07/18/13 Just need verbal as we will rock on Thursday
(date) (effect)

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

NA
(date and/or dates)

Additional Comments:

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

Comments:

This proposal is a good solution to the problem we are faced with, where the outer road was constructed to a different elevation than the mainline pavement, between which the slab/barrier will be constructed. The shared savings is fair to both parties.

_____ 19 July 2013
Submitted By Resident Engineer Date

Comments:

I agree with RE comments. The proposed solution worked for what we had encountered in the field.

Approval Recommended _____ 8/19/13
 Rejection Recommended District Engineer Date

Comments:

N/A

Approval Recommended _____
 Rejection Recommended Federal Highway Administration Date
Required for FHWA Full Oversight Projects

Comments:

I concur with the district recommendation. This change was also reviewed and approved by the Design Division.

Approval _____
 Rejection State Construction and Materials Engineer Date

MoDOT Job J3P0749
 Route 61
 Lincoln County
 IMCS Job 412620

Concrete Footing

Line Item #	Description	Units	Units Previously Provided For	Units To Be Constructed	Units Overrun, Underrun	Unit Price	Amount Of Overrun, Underrun
0220	CONCRETE PAVEMENT 9"	SY	1,653.70	0.00	-1,653.70	\$32.00	(\$52,918.40)
1170	CONCRETE PAVEMENT 7"	SY	12,196.90	13,317.60	1,120.70	\$29.00	\$32,500.30
NEW	TYPE 5 AGGREGATE FOR BASE 7" THICK	SY	0.00	533.00	533.00	\$8.31	\$4,429.23

Total Savings: (\$15,988.87)

MoDOT Portion (50%) (\$7,994.43)

IMCS Portion (50%) (\$7,994.43)

MISSOURI PAY ITEM REPORT

Missouri DOT

Date: 07/19/2013
Time: 12:47:41

Pay Item: 3040173 TYPE 1 AGGREGATE FOR BASE (7 IN. THICK)

TOTALS	High:	10.74	Wtd. Average:	8.35	Total Quan:	2,432.00	Count:	6
	Low:	5.00	Strt. Average:	7.81	Avg. Quan:	405.33	Median:	7.25
			Std Deviation:	2.02				

<u>Contractor</u>	<u>County</u>	<u>Position</u>	<u>Bid Date</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Extension</u>
bangert brothers construction co.	st. louis	1	09/29/1995	300.00	S.Y.	5.00	1,500.00
weber inc., fred	st. louis	2	09/29/1995	300.00	S.Y.	7.25	2,175.00
kloster company, inc.	st. louis	1	06/28/1996	324.00	S.Y.	7.10	2,300.40
st. louis bridge construction co	st. louis	2	06/28/1996	324.00	S.Y.	7.25	2,349.00
ideker inc.	platte	1	04/30/2010	592.00	S.Y.	9.49	5,618.08
loch sand and construction co.	platte	2	04/30/2010	592.00	S.Y.	10.74	6,358.08

Report Settings

Selected Pay Item: 3040173 :type 1 aggregate for base (7 in. thick)
 Include Bidders: Low 2 Bids
 Sel County/Region: All Regions / All Counties
 Include Lettings: All Lettings
 Quantity Range: From 0.00 to 1,000.00 S.Y.
 Omit High/Low Price: NO
 Averages Type: Weighted Average