

Rev 1 R Sho/09

VALUE ENGINEERING CHANGE PROPOSAL  
MISSOURI DEPARTMENT OF TRANSPORTATION

# 1

Date 5/18/2009

Contract ID 090123-X01

Job No. JOIO983

County Mississippi

Original Bid Cost 9,272,909.08

Contractor Iron Mountain Construction

By Paul Corr and Nick Hilton

Designed By MoDOT

Phone 314 220 1167

VECP# 09-46 (to be completed by C.O.)

VECP  or VECPP/PDU

1. Description of existing requirements and proposed change(s). Advantages/Disadvantages  
Change the Traffic Control plans at the 57/62 interchange. Complete the left side of the ramp and temporary connection while maintaining North bound traffic on the right side of the ramp for access to NB 57. Place existing NB 57 traffic in head to head on the SB lanes per the traffic control plan sheets The NB 57 traffic would be directed back onto 57 NB approximately two miles North of the 62 ramp at an existing cross-over. Complete the right side of the ramp pavement and acceleration lane, NB 62 ramp traffic to NB 57 would use the new pavement and temp connection. This proposal eliminates the need for 1 temporary connection and the temporary widening on the ramp.

2. Estimate of reduction in construction costs. \$60,155.75

3. Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.  
No effect

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

5/20/2009  
(date)

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

The impact would effect the concrete paving sequencing.

6-1-2009  
(date)

(effect)

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

N/A  
(date and/or dates)

**Additional Comments:**

See attached Spreadsheet with a breakdown of the savings, channelizers or slimlines would be used at 100 foot spacing for the NB Ramp traffic to NB 57.

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

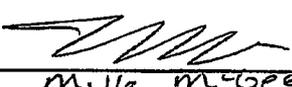
**Comments:**  
I recommend approval of this proposal. The cost for traffic control is an estimated amount. Final traffic control plans and quantities are to be submitted by the contractor prior to issuance of a change order.

Brian Holt 5/26/09  
Submitted By Resident Engineer Date

**Comments:**  
50/50 split

Approval Recommended Mark Shelton by P. Allen 5-27-09  
 Rejection Recommended District Engineer Date

**Comments:**

Approval Recommended  6-24-09  
 Rejection Recommended Mike McGee  
Federal Highway Administration Date  
Required for FHWA Full Oversight Projects

**Comments:**

Approval David D. Adams 6-26-09  
 Rejection State Construction and Materials Engineer BMO Date

Distribution: Resident Engineer, Project Manager, District Construction & Materials Engineer, State Construction & Materials Engineer, Value Engineering Administrator - MoDOT, P. O. Box 270, Jefferson City, MO 65102



<Felix.R.Gonzalez@dot.gov>

05/28/2009 06:49 AM

To <Brian.Williams@modot.mo.gov>,  
<Brian.Holt@modot.mo.gov>  
cc <David.Blalock@modot.mo.gov>,  
<Eric.Krapf@modot.mo.gov>,  
<Lynelle.Luther@modot.mo.gov>

bcc

Subject RE: VE Proposal, J0I0983

I am okay with this Value Engineering Proposal.

félix r. gonzález  
federal highway administration  
missouri division  
transportation engineer  
districts 7-8-9-10  
573.638.2622

[felix.r.gonzalez@dot.gov](mailto:felix.r.gonzalez@dot.gov)

"Every hour spent planning construction eliminates 100 hours of problems during construction"

- Steve Dewitt, Chief Engineer

 Please considers the environment before printing this message .

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**From:** Brian.Williams@modot.mo.gov [mailto:Brian.Williams@modot.mo.gov]

**Sent:** Thursday, May 21, 2009 12:05 PM

**To:** Brian.Holt@modot.mo.gov

**Cc:** David.Blalock@modot.mo.gov; Eric.Krapf@modot.mo.gov; Gonzalez, Felix <FHWA>;  
Lynelle.Luther@modot.mo.gov

**Subject:** Re: VE Proposal, J0I0983

I am good with this concept.

Brian N Holt/D10/MODOT

05/20/2009 09:49 AM

ToLynelle S Luther/D10/MODOT@MODOT, Brian A Williams/SC/MODOT@MODOT,  
Felix.Gonzalez@fhwa.dot.gov

ccEric F Krapf/D10/MODOT@MODOT, David S Blalock/D10/MODOT@MODOT  
SubjectVE Proposal, J0I0983

Attached below is a VE from Iron Mountain Construction Services on J0I0983, Rte I-57. This is a draft version and the final revision is coming soon. I wanted to get the concept approved since there is a quick turn around needed on the approval. The following are revisions that will be made:

- Proposal will eliminate only one temporary connection. This is already reflected in the saving calculations.

VECP - Traffic Control revision at the NB Hwy 62 ramp to North Bound I-57

Line #	Description	Plan Quantity	Unit	Proposed Quantity	Unit Price	Savings
50	5 3/4" Bituminous Pavement	402.80	SY	-	\$ 50.00	\$20,140.00
70	Misc Temporary Connection	2,308.50	SY	1,154.25	\$ 39.00	\$45,015.75
9,999	Misc. Traffic Control	-	Lsum	1.00	\$5,000.00	\$ (5,000.00)

Total Savings \$60,155.75

50% VECP Share \$30,077.88

- Break out of the traffic control costs
- NB head to head traffic will be directed back to the northbound lane at an existing cross over located 2 1/2 miles north of Rte 62.
- NB ramp traffic during the first stage of work will travel in the driving lanes and will be controlled by channelizers.

Sheet 17 shows the original stage for the Rte 62 work. Stage two will now be stage one without the crossover at Sta 575+. Stage one will be the condition we will have for the remainder of the project.

I recommend approval of this VE Proposal. I will forward the revision as soon as it is submitted.

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Brian Holt, PE  
Resident Engineer  
Sikeston Project Office  
Office: 573-472-5325  
Cell: 573-888-7035

— Forwarded by Brian N Holt/D10/MODOT on 05/20/2009 09:16 AM —

"Corr, Paul" <pcorr@fredweberinc.com>

05/19/2009 08:18 AM

To <Brian.Holt@modot.mo.gov>

CC "Hilton, Nicholas" <nrhilton@fredweberinc.com>

Subject FW: Scanned image from MX-M550N

Brian,

Finally the VE for Ramp at 62, please review, if you are satisfied I will mail out to the Distribution list

Thanks

PC

-----Original Message-----

From: sgcon02@fredweberinc.com [mailto:sgcon02@fredweberinc.com]  
Sent: Tuesday, May 19, 2009 8:17 AM  
To: Corr, Paul  
Subject: Scanned image from MX-M550N

DEVICE NAME: Not Set  
DEVICE MODEL: MX-M550N  
LOCATION: Not Set

FILE FORMAT: PDF MMR (G4)  
RESOLUTION: 300dpi x 300dpi

Attached file is scanned image in PDF format.

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[attachment "sgcon02@fredweberinc.com\_20090519\_081645.pdf" deleted by Brian A Williams/SC/MODOT]

# 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)

By changing the Traffic Control Plan, this proposal will eliminate a temporary connection and widening. This is a 50/50 split.

## 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.

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