

### VALUE ENGINEERING CHANGE PROPOSAL MISSOURI DEPARTMENT OF TRANSPORTATION

Conceptual Proposal       Final Proposal

Date 5/17/10

Contract ID 091023-503

Job No. 15B08010

County Perry 65

Original Bid Cost 1,799,992.32

Contractor LEHMAN CONSTRUCTION LLC

By Adam Carroll

Designed By \_\_\_\_\_

Phone 573-796-8101

VECP# 10-53 (to be completed by C.O.)

VECP  or PDVECP

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

The project call for 575 LF of TEMP. Type "F" Barrier @ three locations. We would like to reduce this to 375 LF. This will save Modot money and help speed up things while switching traffic.

2. Estimate of reduction in construction costs.

\$6,100<sup>00</sup>/2 = \$3,050 would be MODOT'S SAVINGS

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

This will not have an effect any other department

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

May 17, 2010  
(date)

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

MAY 24, 2010      COST SAVINGS  
(date)      (effect)

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

N/A  
(date and/or dates)

Additional Comments:

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

Comments: I have discussed this with the Project Manager, who reviewed our design criteria. This would be acceptable, meeting our standards. I would recommend we approve this VE proposal, allowing the last two set ups to be 375' of barrier versus 575'.

John L Sanders  
Submitted By Resident Engineer

5-18-10

Date

Comments: Further discussion with central office traffic determined that they were not supportive of the proposed reduction in temp barrier; it's felt that the length of target section should remain at least per plan. therefore, rejection of the VE concept is recommended.

- Approval Recommended
- Rejection Recommended

\_\_\_\_\_  
District Engineer

6-1-10

Date

Comments:

- Approval Recommended
- Rejection Recommended

\_\_\_\_\_  
Federal Highway Administration  
Required for FHWA Full Oversight Projects

\_\_\_\_\_  
Date

Comments:

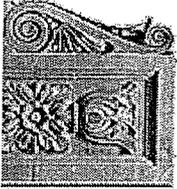
Traffic Division felt that reducing the temporary concrete barrier would compromise the safety of head to head traffic.

- Approval
- Rejection

David D. Cooper  
State Construction and Materials Engineer *BAW*

6-3-10

Date



Nicole A Hood /D5/MODOT  
05/18/2010 12:27 PM

To Trent A Brooks/D5/MODOT@MODOT  
cc John L Sanders/D5/MODOT@MODOT, Randall D  
Potts/D5/MODOT@MODOT  
bcc  
Subject Fw: Route 65 Pettis County

History:

 This message has been replied to.

Trent -

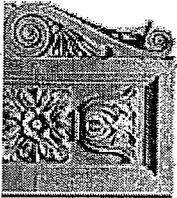
See below. John sent the original VE proposal to me thinking I was the PM. I was getting ready to respond based upon what Mia found in the EPG and realized this was your job. So thought I should let you handle since you signed and sealed the plans.

Sorry for the confusion - I was thinking this was on the Lincoln job.

Thanks.

Nicole Kolb Hood, P. E.  
Transportation Project Manager  
Missouri Department of Transportation  
Work: (573) 526-6997  
Fax: (573) 751-8267  
Email: nicole.hood@modot.mo.gov

----- Forwarded by Nicole A Hood/D5/MODOT on 05/18/2010 12:15 PM -----

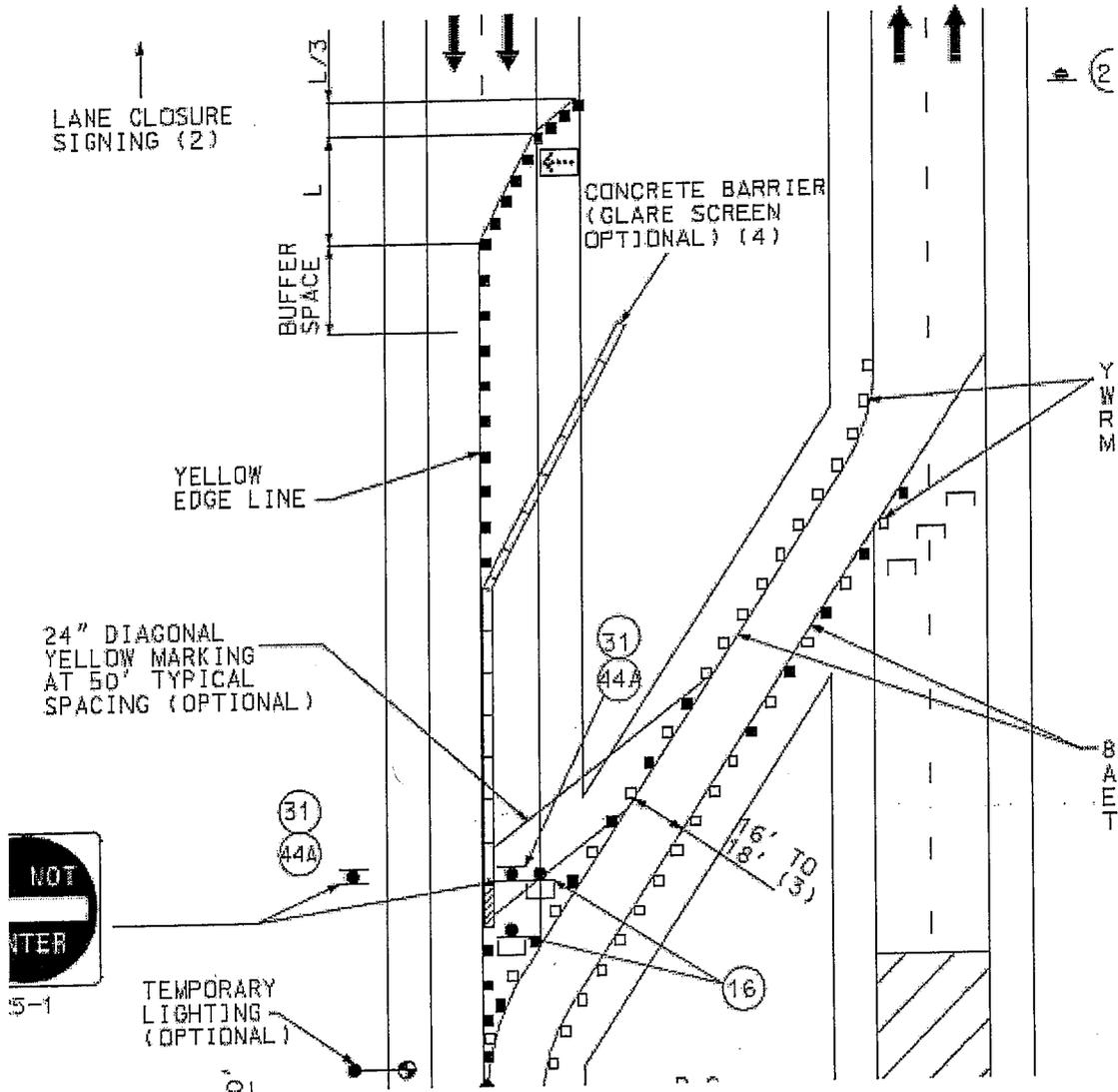


Maria K Peters /D5/MODOT  
05/18/2010 11:09 AM

To Randall D Potts/D5/MODOT@MODOT  
cc Nicole A Hood/D5/MODOT@MODOT  
Subject Re: Fw: Route 65 Pettis County 

The EPG does not specify the length of barrier along the crossover but does specify that it needs an additional standard lane taper of 128'. With Lehman's proposal, this would leave 247' barrier tangent to traffic (total barrier of 375'). This should be sufficient. The channelizer taper lengths, buffer area lengths and temporary striping should not change though.

# Crossover on Divided Highway



Maria K. Peters, P.E.  
 District 5 Project Development  
 Missouri Department of Transportation  
 Phone: 573-526-6886  
 E-mail: maria.peters@modot.mo.gov

Randall D Potts Mia, Since you are more familiar with the traffic... 05/18/2010 10:16:57 AM

Randall D Potts /D5/MODOT

05/18/2010 10:16 AM

To Maria K Peters/D5/MODOT@MODOT

cc Nicole A Hood/D5/MODOT@MODOT

Subject Fw: Route 65 Pettis County



Mia,

Since you are more familiar with the traffic control can you review the proposal and give Nicole your comments.

Randall D. Potts  
MoDOT, District 5 Design  
1511 Missouri Blvd. P.O. Box 718  
Jefferson City, MO 65109  
Phone (573) 526-0515  
Fax (573) 751-8267  
Email [randall.potts@modot.mo.gov](mailto:randall.potts@modot.mo.gov)

----- Forwarded by Randall D Potts/D5/MODOT on 05/18/2010 10:15 AM -----



John L Sanders /D5/MODOT

05/18/2010 10:00 AM

To: Nicole A Hood/D5/MODOT@MODOT, Randall D  
Potts/D5/MODOT@MODOT

cc

Subject: Fw: Route 65 Pettis County

Nicole, can you look into the possibility of this VE proposal. Basically, can we shorten the length of temp traffic barrier on the job? Please see the attached VE proposal.

John Sanders  
Resident Engineer  
D5 Sedalia Project Office  
1501 W 32nd Street  
Sedalia, MO 65301  
(660)-530-5578

----- Forwarded by John L Sanders/D5/MODOT on 05/18/2010 09:59 AM -----



"Adam"

<[adam@lehmanconstructionllc.com](mailto:adam@lehmanconstructionllc.com)>

05/18/2010 08:32 AM

To: <[John.Sanders@modot.mo.gov](mailto:John.Sanders@modot.mo.gov)>

cc

Subject: RE: Route 65 Pettis County

Sorry about that.

**From:** [John.Sanders@modot.mo.gov](mailto:John.Sanders@modot.mo.gov) [<mailto:John.Sanders@modot.mo.gov>]  
**Sent:** Tuesday, May 18, 2010 8:16 AM  
**To:** Adam  
**Cc:** [Nikolas.Schaffner@modot.mo.gov](mailto:Nikolas.Schaffner@modot.mo.gov)  
**Subject:** Re: Route 65 Pettis County

Adam, I didn't get the attachment. Can you resend this?

John Sanders  
Resident Engineer  
D5 Sedalia Project Office  
1501 W-32nd Street  
Sedalia, MO 65301

(660)-530-5578

"Adam" <adam@lehmanconstructionllc.com>

05/17/2010 02:06 PM

To <John.Sanders@modot.mo.gov>

cc <Nikolas.Schaffner@modot.mo.gov>

Subject Route 65 Pettis County

John,

Here is the VE that we talked about last week. If you would take a look and let me know what you think.



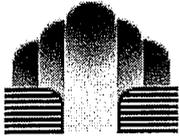
603 RUSSELLVILLE RD  
CALIFORNIA, MO 65018  
Phone (573)796-8101  
FAX (573)-796-8293

ADAM CARROLL  
PROJECT MANAGER  
Cell (573)690-8346

adam@lehmanconstructionllc.com



20100517140356885.pdf



**Daniel J Smith/SC/MODOT**

05/20/2010 01:57 PM

To Patricia L Lemongelli/D5/MODOT@MODOT

cc Troy A Pinkerton/SC/MODOT@MODOT, Elizabeth S Duvall/D5/MODOT@MODOT, Eileen H Rackers/SC/MODOT@MODOT

bcc

Subject Re: Fw: Route 65 Pettis County

History: This message has been forwarded.

Patty: Troy and I discussed the below VE proposal and we do not recommend the reduction of barrier length. This barrier is used to prevent any head to head accidents that could occur between the opposing traffic. As with any work zone we should allow the traveling public enough space to slow down or stop before hitting any obstacle, per example, barrier. The actual length of the tangent barrier should be the length of the buffer space. I reviewed the EPG, MUTCD and drawings and the below drawing is the only guidance.

I will take this issue to our Work Zone Quality Circle for discussion and clarification at our next meeting on June 2. If you have any questions please let me know. Thank you for the update.

Daniel J. Smith, P.E.  
Traffic Management and Operations Engineer  
MoDOT - Traffic Division  
2211 St. Mary's Blvd. P.O. Box 270  
Jefferson City, MO 65102  
Office: (573) 526-4329  
Fax: (573) 526-4868  
Daniel.Smith@modot.mo.gov

*Further discussion between Brian A Williams and central office traffic confirmed their position to keep length of temp cone barrier per plan.*

Patricia L Lemongelli---05/19/2010 04:41:20 PM---Just doing some complete follow up concerning a VE pro

**Patricia L Lemongelli/D5/MODOT**

05/19/2010 04:41 PM

To Daniel J Smith/SC/MODOT@MODOT, Troy A Pinkerton/SC/MODOT@MODOT

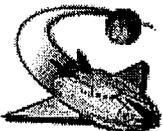
cc

Subject Fw: Route 65 Pettis County

Just doing some complete follow up concerning a VE proposal to eliminate 200' if temp traffic barrier on a traffic control scenario for a crossover on a divided highway. I think we're okay but would appreciate central office thoughts.

Thanks,  
Patty

----- Forwarded by Patricia L Lemongelli/D5/MODOT on 05/19/2010 04:33 PM -----



**John L Sanders/D5/MODOT**

05/18/2010 03:58 PM

To Nikolas E Schaffner/D5/MODOT@MODOT

cc Patricia L Lemongelli/D5/MODOT@MODOT

Subject Fw: Route 65 Pettis County

Patty, I discussed this VE proposal with design and Trent Brooks. We are good with this proposal if you

could run it up the chain. I will send you the signed hard copy on the mail truck tomorrow.

John Sanders  
Resident Engineer  
D5.Sedalia.Project.Office  
1501 W 32nd Street  
Sedalia, MO 65301  
(660)-530-5578

----- Forwarded by John L Sanders/D5/MODOT on 05/18/2010 03:55 PM -----

----- Forwarded by Nicole A Hood/D5/MODOT on 05/18/2010 12:15 PM -----

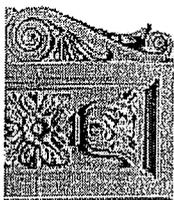
**Maria K Peters/D5/MODOT**

05/18/2010 11:09 AM

To: Randall D Potts/D5/MODOT@MODOT

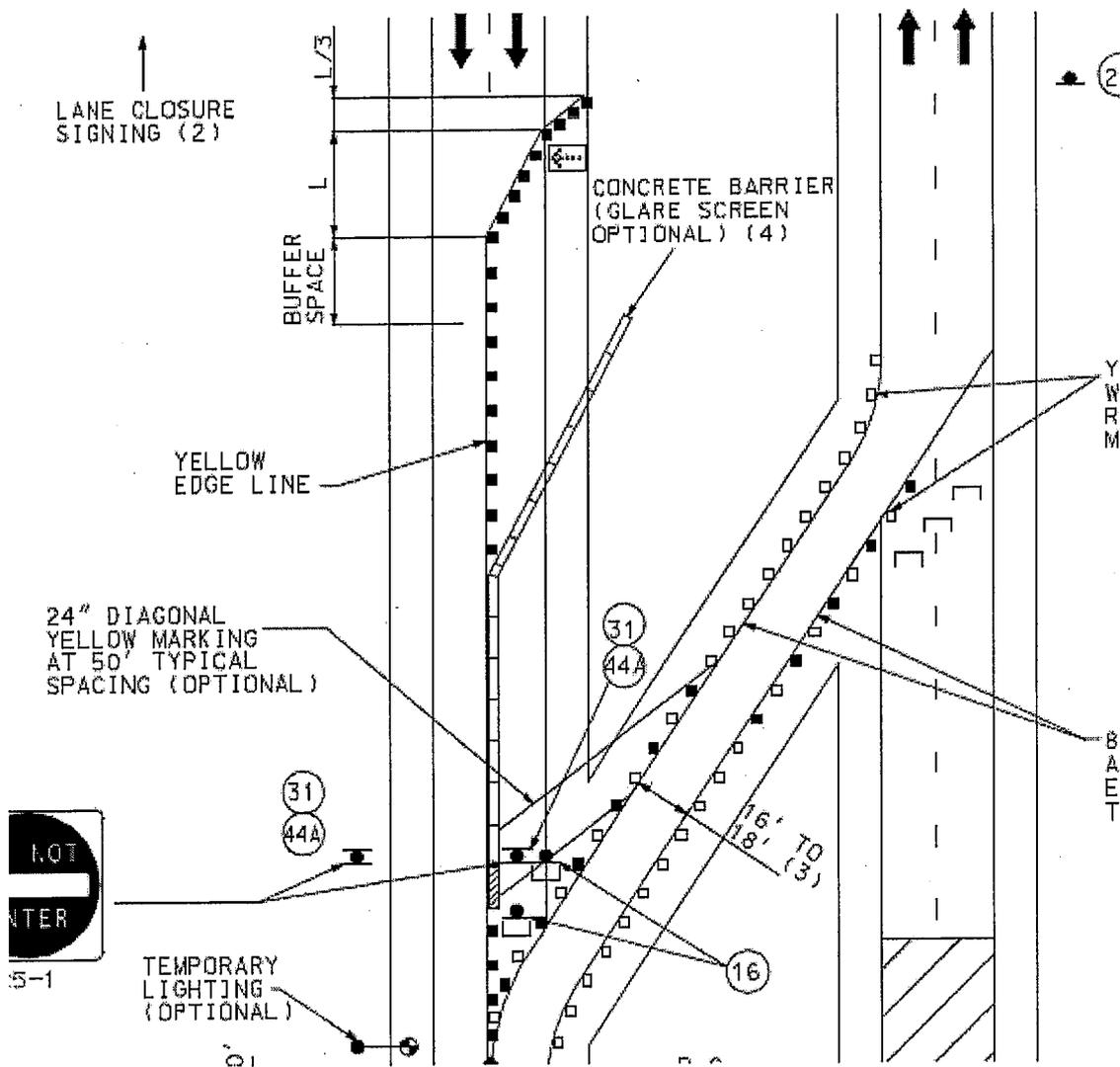
cc: Nicole A Hood/D5/MODOT@MODOT

Subject: Re: Fw: Route 65 Pettis County 



The EPG does not specify the length of barrier along the crossover but does specify that it needs an additional standard lane taper of 128'. With Lehman's proposal, this would leave 247' barrier tangent to traffic (total barrier of 375'). This should be sufficient. The channelizer taper lengths, buffer area lengths and temporary striping should not change though.

# Crossover on Divided Highway



Maria K. Peters, P.E.  
 District 5 Project Development  
 Missouri Department of Transportation  
 Phone: 573-526-6886  
 E-mail: maria.peters@modot.mo.gov

Randall D Potts---05/18/2010 10:16:57 AM---Mia, Since you are more familiar with the traffic control can you

# 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)

Contractor proposed to eliminate 200 feet of temporary concrete barrier at 3 locations. After consulting with Traffic Division, this proposal was rejected because it would compromise the safety of head to head traffic.

## *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.

---

---

---