

## VALUE ENGINEERING CHANGE PROPOSAL MISSOURI DEPARTMENT OF TRANSPORTATION

<input checked="" type="checkbox"/> <b>Conceptual Proposal</b>	<input type="checkbox"/> <b>Final Proposal</b>	<b>Date</b> <u>12-04-12</u>
<b>Contract ID</b> <u>120525-H03</u>	<b>Job No.</b> <u>JOP2238</u>	
<b>County</b> <u>BUTLER</u>	<b>Route</b> <u>67</u>	<b>Original Contract Amount</b> <u>\$1,067,054.01</u>
<b>Contractor</b> <u>MAGRUDER CONSTRUCTION</u>	<b>By</b> <u>MARK GAMES</u>	
<b>Designed By</b> <u>MODOT</u>	<b>Phone</b> <u>5734852161</u>	
<b>VECP#</b> <u>12-75</u> (to be completed by C.O.)	<b>VECP</b> <input type="checkbox"/> <b>or</b> <b>PDVECP</b> <input checked="" type="checkbox"/>	

**1. Description of existing requirements and proposed change(s). Advantages/Disadvantages**  
On the South Box Culvert underrun the removals and only remove the pavement between stations 667+00 and 668+00. Once the box culvert is complete under the mainline, construct new concrete pavement between stations 667+00 and 668+00. Construct concrete A3 shoulders on both sides of the road between stations 666+70 and 668+30 to tie into the existing shoulders. The advantage is to utilize the existing pavement which is in good condition.

**2. Estimate of reduction in construction costs.** \$44,685.94

**3. Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.**  
None

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

12-05-12  
(date)

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

12-15-12 \_\_\_\_\_  
(date) (effect)

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

None  
(date and/or dates)

**Additional Comments:**

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

**Comments:**

Based on the successful implementation of VE 2 at the North Box, I recommend proceeding with this VE at the south box as described.

\_\_\_\_\_  
Submitted By Resident Engineer

\_\_\_\_\_  
Date

**Comments:** Recommend approval of the VE as described.

**Approval  
Recommended**

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

\_\_\_\_\_  
Date

**Rejection  
Recommended**

**Comments:**

**Approval  
Recommended**

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

\_\_\_\_\_  
Date

**Rejection  
Recommended**

**Comments:**

**Approval**

\_\_\_\_\_  
State Construction and Materials Engineer

\_\_\_\_\_  
Date

**Rejection**

Butler County Rt 67  
 VE #2 and #3-Mainline Pavement

<b>North Bypass-Plan Quantity</b>		<b>North Bypass-Proposed VE Quantity</b>		<b>Savings</b>	
<u>Quantity</u>	<u>Unit</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit</u>	<u>Total</u>
2191.4	SY	Base Rock	538	SY	\$ 4.00 \$ 2,152.00
1424.42	SY	Optional Pavement	289	SY	\$ 77.00 \$ 22,253.00
9.5	STA	Compacting in Cut	1	STA	\$ 720.00 \$ 720.00
1860	SY	Pavement Removal-8"	145	SY	\$ 6.18 \$ 896.10
767	SY	A3 Shoulders	249	SY	\$ 47.00 \$ 11,703.00
					\$ 37,724.10
					<b>\$ 77,690.46</b>

<b>South Bypass-Plan Quantity</b>		<b>South Bypass-Proposed VE Quantity</b>		<b>Savings</b>	
<u>Quantity</u>	<u>Unit</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit</u>	<u>Total</u>
1543.2	SY	Base Rock	538	SY	\$ 4.00 \$ 2,152.00
1003.11	SY	Optional Pavement	289	SY	\$ 77.00 \$ 22,253.00
9	STA	Compacting in Cut	1	STA	\$ 720.00 \$ 720.00
1224	SY	Pavement Removal-8"	145	SY	\$ 6.18 \$ 896.10
540.14	SY	A3 Shoulders	249	SY	\$ 47.00 \$ 11,703.00
					\$ 37,724.10
					<b>\$ 44,685.94</b>

Grand Total \$ 197,824.60      Grand Total \$ 75,448.20      Grand Total \$ 122,376.40