

## VALUE ENGINEERING CHANGE PROPOSAL MISSOURI DEPARTMENT OF TRANSPORTATION

Conceptual Proposal       Final Proposal      Date 5-17-13

Contract ID 130125-G01      Job No. J7P0797T

County BARTON      Route 71      Original Contract Amount 1,616,343.86

Contractor KAT EXCAVATION      By Brandon Reed

Designed By Sean Lee Matlock/State of Missouri      Phone 816-690-4611

VECP# 013-32 (to be completed by C.O.)      VECP  or PDVECP

**1. Description of existing requirements and proposed change(s). Advantages/Disadvantages**  
Obtaining borrow off of MoDot right of way, between 71 highway and the outer roads. Modot has the right to preform soil evaluations prior to approval, and all 71 slopes will be no steeper than a 6:1 and outer road slopes no steeper than a 3:1, and all ditches shall be an 8' flat bottom or equivalent. Advantage: Reduce embankment-in-place from 35,153cy(\$4.85) to unclassified excavation of 40,953cy(\$1.75cy), compacting-embankment of 35,153cy(\$0.45cy), seeding of 7ac(\$1,800ac), type II ditch checks 14ea(\$178.00ea) for a savings of \$67,913.45  
MoDot geologist has reviewed the first area to be used and has accepted it as use in the fill.

**2. Estimate of reduction in construction costs.**      \$67,913.45

**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.**

5-24-13  
(date)

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

6-3-13      schedule, enviromental reviews  
(date)      (effect)

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

none  
(date and/or dates)

**Additional Comments:**

<b>Comments:</b>	We recommend approval of this VECP (50/50 split). No negative effects were noted by the VE review team. This will allow the contractor to utilize material on MoDOT R/W to construct the new ramps and save money while doing so. The contractor also agrees that qty's contained in this VE are considered final unless a design issue is discovered. No topo work or cross sectioning will be performed. Contractor is also responsible for ensuring proper drainage is met and is aware of this.	
	_____	5/29/13
	Submitted By Resident Engineer	Date

<b>Comments:</b>	I concur.	
<input checked="" type="checkbox"/> <b>Approval Recommended</b>	_____	_____
<input type="checkbox"/> <b>Rejection Recommended</b>	District Engineer	Date

<b>Comments:</b>		
<input type="checkbox"/> <b>Approval Recommended</b>	_____	_____
<input type="checkbox"/> <b>Rejection Recommended</b>	Federal Highway Administration <b>Required for FHWA Full Oversight Projects</b>	Date

<b>Comments:</b>		
<input checked="" type="checkbox"/> <b>Approval</b>	_____	_____
<input type="checkbox"/> <b>Rejection</b>	State Construction and Materials Engineer	Date



SW 30th Rd

G - 01

SE 30th Rd

49

SW 1st Ln

SE 1st Ln

1584 ft

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Google earth

Imagery Date: 7/20/2012 37°27'06.88" N 94°17'31.89" W elev 955 ft eye alt 7835 ft



49

SW 20th Rd

E Outer Rd N

SE 3rd Ln

SE 20th Rd

SE 26th Rd

SE 19th Rd

State Hwy Kk

S State Hwy Kk

SW 30th Rd

G - 01

SE 30th Rd

SW 1st Ln  
2713 ft

SE 1st Ln

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Imagery Date: 7/20/2012 37°27'57.07" N 94°17'11.97" W elev 959 ft eye alt 12710 ft

**130125-G01 Route 71 Barton County  
V.E. #01**

<u>Line No.</u>	<u>Item Description</u>	<u>Quantity to be Constructed</u>	<u>Units</u>	<u>Unit Bid Price</u>	<u>Cost</u>
40	Unclassified Excavation	40,953	CUYD	\$1.75	\$71,667.75
50	Embankment in Place	-35,153	CUYD	\$4.85	-\$170,492.05
60	Compacting Embankment	35,153	CUYD	\$0.45	\$15,818.85
510	Seeding	7	ACRE	\$1,800.00	\$12,600.00
540	Type II Ditch Check	14	EA	\$178.00	<u>\$2,492.00</u>
					-\$67,913.45