Form C-104
Rev. 03/2012

VALUE ENGINEERING CHANGE PROPOSAL
MISSOURI DEPARTMENT OF TRANSPORTATION

☒ **Conceptual Proposal** ☐ **Final Proposal** **Date** 9-16-2013

Contract ID 130125-G02 **Job No.** J8S2169

County Dallas **Route** 73 **Original Contract Amount** $264,707.85

Contractor Hartman & Company, Inc. **By** Ben Cummings, P.E.

Designed By Stacy Reese, P.E. **Phone** 417-895-7600

VECP# 13-51 **(to be completed by C.O.)** **VECP** ☒ **or** **PDVECP** ☐

1. **Description of existing requirements and proposed change(s). Advantages/Disadvantages**
   The current drawings show an optional pavement widening of various widths from Sta 168+26.83 to 169+11.83 and 169+69.50 to 170+74.50. Full depth replacement is shown for 5 linear feet on each end of the bridge. Hartman & Company, Inc. proposes to install 8" PCCP from Sta 168+78.3 to the southern bridge end and also from the northern bridge end to Sta 169+99.50. Full depth pavement would be installed as depicted on the attached profile. Full depth widening of 2 ft would be installed as shown on the plans beyond the proposed replacement limits. The benefits of this approach include improved pavement section near the structure, improved profile and reduction of costs.

2. **Estimate of reduction in construction costs.** $14,725.40

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.**

   9-16-2013
   (date)

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

   9-23-2013 (date) — Delays opening of roadway for public use. (effect)

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

   _____
   (date and/or dates)

Additional Comments:

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

Comments:
The original plans called for +/- 180' of asphalt overlay to allow for grade transition from the existing pavement. The existing pavement is in good condition and the proposed design gives more full depth transition to the Bridge and provides a better overall product. I recommend approval for a 50/50 VE.

Digitally signed by Brett A. Foster
DN: cn=Brett A. Foster, o, ou, email=brett.foster@modot.mo.gov, c=US
Date: 2013.09.19 13:08:33 -05'00'

Submitted By Resident Engineer — Date

Comments:

I concur.

Digitally signed by Marilyn Gabriel
DN: cn=Marilyn Gabriel, o=MoDOT, ou=Construction and Materials, email=Marilyn.Gabriel@modot.mo.gov, c=US
Date: 2013.09.20 05:16:37 -05'00'

☑ **Approval Recommended**

☐ **Rejection Recommended**

District Engineer — Date

Comments:

☐ **Approval Recommended**

☐ **Rejection Recommended**

Federal Highway Administration
Required for FHWA Full Oversight Projects — Date

Comments:

Digitally signed by John P Donahue
DN: cn=John P Donahue, o=MoDOT, ou=3H35, email=john.donahue@modot.mo.gov, c=US
Date: 2013.09.23 09:22:42 -05'00'

☒ **Approval**

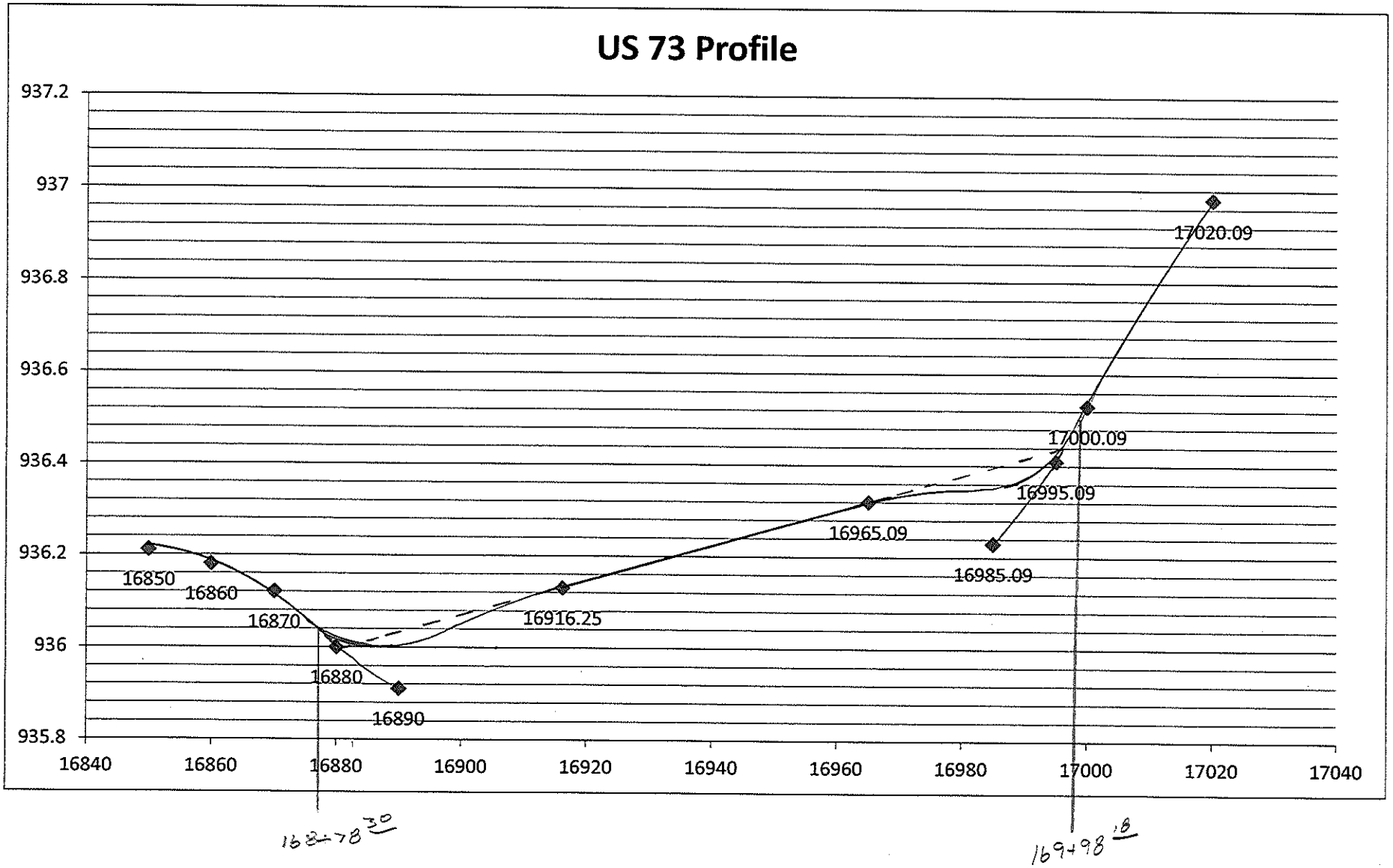
☐ **Rejection**

State Construction and Materials Engineer — Date

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

J8S2169 Value Engineering Cost/Savings Calculations						
Line No	**Description**	**Plan Qty**	**Proposed Qty**	**Unit Price**	**Plan Cost**	**Proposed Cost**
0030	Type 1 Agg for Base (SY)	160	270	$6.30	$1,008.00	$1,701.00
0040	BP-1 (Tons)	85.8	0	$150.00	$12,870.00	$0.00
0050	Misc. Optional Pavement (SY)	160	270	$41.76	$6,681.60	$11,275.20
0060	Tack Coat	50	0	$2.74	$137.00	$0.00
0230	Modified Coldmilling	467	0	$15.00	$7,005.00	$0.00
				Total =	$27,701.60	$12,976.20

Savings = $14,725.40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