

**VALUE ENGINEERING CHANGE PROPOSAL
MISSOURI DEPARTMENT OF TRANSPORTATION**

Date 3/15/2010

Contract ID 091120-701 Job No. J7P2163
County ST. CLAIR Original Bid Cost \$ 2,633,154.49
Contractor APAC-MISSOURI, INC. By DAVID B. TAG, P.E.
Designed By APAC-MISSOURI, INC. Phone (573) 449-0886
VECP# 10-24 (to be completed by C.O.) VECF or VECF/PDU

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

The current temporary cross-overs are designed as 12-inches of asphalt over 4-inches of base rock. This proposal is to omit the base rock and place 9-3/4 inches of asphalt over the compacted subgrade. The advantages are reduced construction time and reduced construction costs. The disadvantages are an increased amount of embankment in place.

2. Estimate of reduction in construction costs. \$ 29,028.61 A detailed summary is attached.

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

APAC foresees no costs to maintenance or operations.

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

March 16, 2010
(date)

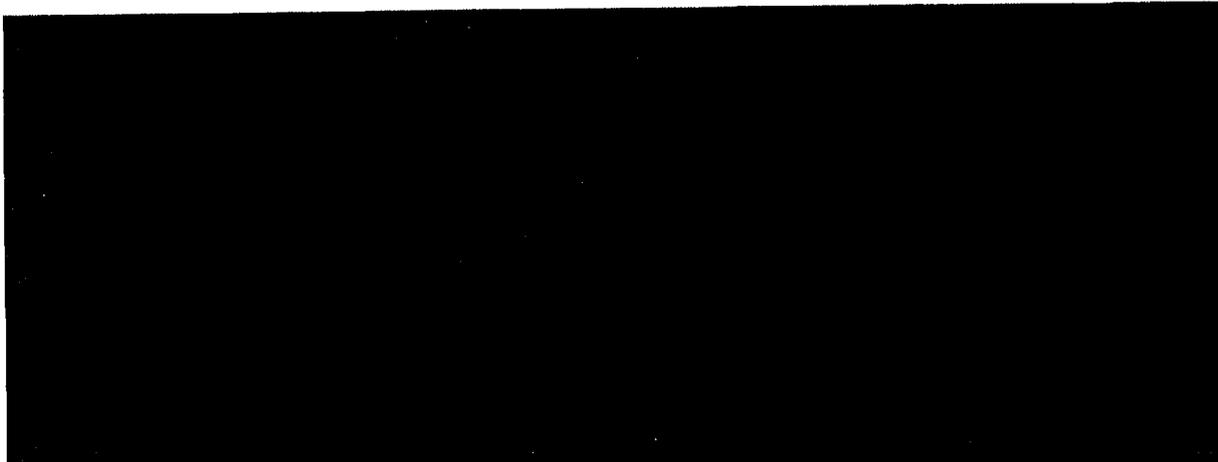
5. Deadline for issuing a change order to obtain maximum cost reduction, noting the effect of contract completion time or delivery schedule.

March 26, 2009
(date)

Delay construction of the temporary crossovers
(effect)

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

Many, previously
(date and/or dates)





APAC-Missouri, Inc.

1591-A East Prathersville Road
Columbia, MO 65202
P.O. Box 1117
Columbia, MO 65205
Tel: 573 449-0886, Fax: 573 449-2980

March 15, 2010

Mr. Randy Aulbur, R.E.
MoDOT Nevada Project Office
PO Box 217
Nevada, MO 64772

RE: Route 13, St. Clair, Job No. J7P2163, Contract I.D. No. 091120-701

Dear Mr. Aulbur:

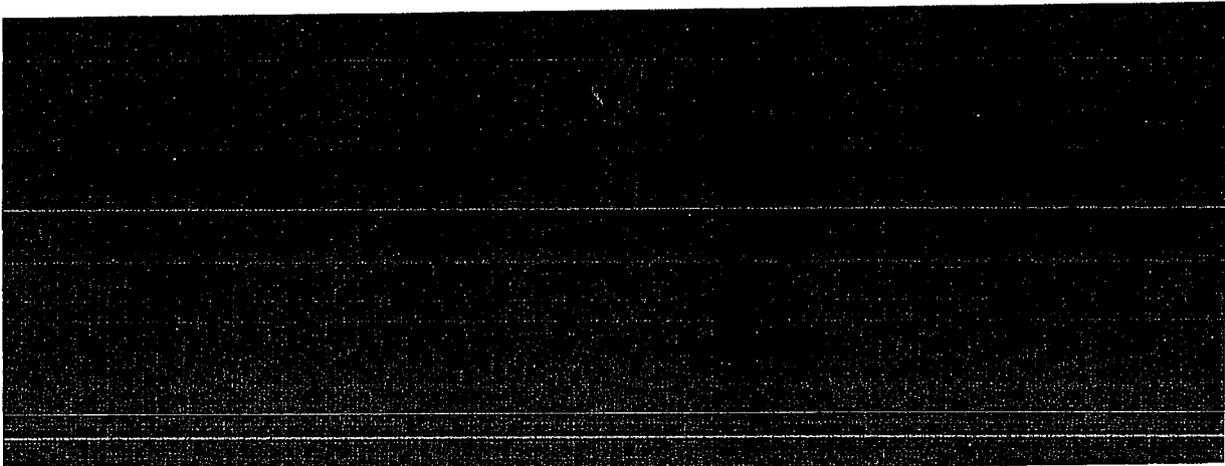
Please find attached a value engineering proposal for the above referenced project for your review. If this proposal is acceptable, please place it on the next available change order.

Sincerely,
APAC-Missouri, Inc.


David B. Tag, P.E.
Area Manager

Cc: Job File

 **Safety First** *Always*



Additional Comments:

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

Comments: *I concur with this proposal but I feel ADAC must retain the maintenance of the crossover with the thinner pavement.*

[Signature] _____ 3-23-10
Submitted By Resident Engineer Date

Comments: *I concur*

Approval Recommended *Bucky Balty* _____ 3-23-10
 Rejection Recommended District Engineer Date

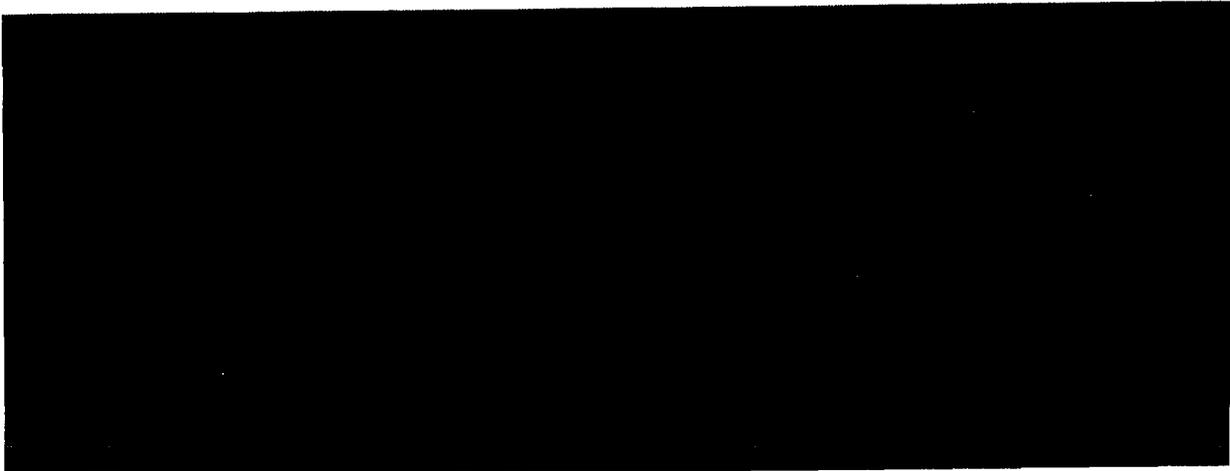
Comments: *NOT UNDER OVERSIGHT*

Approval Recommended _____
 Rejection Recommended Federal Highway Administration Date
Required for FHWA Full Oversight Projects

Comments: *APPROVED PER DISTRICT RECOMMENDATION AT 50150 SPUR 7*

Approval *David A. Cooper* _____ 3-30-10
 Rejection State Construction and Materials Engineer 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



Route 13, St. Clair Co., - J7P2163 - VE Proposal Summary

Items to be affected						
Item #	Description	Qty. affected	Unit	Cost	New Cost	Saved
20	Embankment in Place	330	CY		\$ 21.97	\$ (7,250.10)
20	Embankment in Place	157	CY		\$ 21.97	\$ (3,449.29)
60	Type 5 Aggr. For Base	2972	SY	\$ 6.50		\$ 19,318.00
70	Bituminous Base Asphalt	314	TN	\$ 65.00		\$ 20,410.00
					TOTAL	\$ 29,028.61

What will be saved
 Additional embankment in lieu of base
 Additional embankment w/ 2-1/4" less Bit Base
 Base rock omitted
 Bit. Base reduction from 10-1/4" to 8"

VE SPLIT \$ 14,514.31

Contract ID: 091120-701

Fed St/Prj Nbr: FAF-13-2(58)

Status: Active

Primary PCN: J7P2163

District: 07

OrgCode: 7CG

Progress Sched:

Variance Pct: .00

Desc: J7P2163 - ROUTE 13 - ST CLAIR COUNTY

Time Charges: Completion Date

Bid Days: 274

Bid Amt: \$3,311,334.49

Contract Type: Construction Project Above \$500,000

Funding

Federal

State/Province

Both

Fed Oversight

Local Oversight

Work Type: BRIDGE CONSTRUCTION OR REHABILITATION

Proposal Fund Type:

Spec Yr: 1996

Unit System: English

Suppl Spec Bk Yr: 1996

Alt ID:

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)

____ Reduce pavement thickness of temporary crossover.

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.

____ Scan entire document.