



VALUE ENGINEERING CHANGE PROPOSAL
MISSOURI DEPARTMENT OF TRANSPORTATION

Date July 24, 2009

Contract ID 071221-502

Job No. J5P0590

County Camden Route 5

Original Bid Cost 9,206,186.96

Contractor APAC-Missouri, Inc.

By Mike Crane

Designed By _____

Phone 573-228-7010

VECP # VECP 09-58

VECP or VECP/PDU

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

APAC proposes to use in place the existing pavement form 0+06.49 – 5+12. This proposal will leave in place 505.5 feet of existing pavement and eliminate the need for a temporary bypass at connection A, thus producing significant quantity savings and reduced traffic flow interruption on existing Route 5.

This proposal will use planned alignment altering only the grade of the existing roadway turning this area into an overlay instead of tearing out and replacing Route 5. This proposal will lessen the impact on the traveling public and expedite the construction process.

2. Estimate of reduction in construction costs. \$ 65,208.18

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.

(date)

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

(date)

(effect)

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

Comments:

Elimination of temporary by-pass 50/50 split.
Use in place pavement 75/25 split.

- Approval
- Rejection

David A. Goode
State Construction and Materials Engineer
BAW

8-5-09
Date

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

V.E. Proposal from 0+06.49 to 5+12

	Qty.	Unit	Price Per Unit	Price	MODOT 0.50	APAC 0.50	MODOT 0.75	APAC 0.25	Final MODOT	Final APAC
Class A Excavation	487.00	Cu. Yd	6.30	3068.10	1534.05	1534.05	2301.08	767.03	2301.08	767.03
Compaction in Cut	5.00	sta.	472.50	2362.50	1181.25	1181.25	1771.88	590.63	1771.88	590.63
Type 1 Aggregate for base	1462.00	Sq. Yd	5.38	7865.56	3932.78	3932.78	5899.17	1966.39	5899.17	1966.39
Bit Base (Bypass)	727.20	tons	41.45	30142.44	15071.22	15071.22	22606.83	7535.61	15071.22	15071.22
Bit Base (Proposed)	455.00	tons	41.45	18859.75	9429.88	9429.88	14144.81	4714.94	14144.81	4714.94
Construction Signs	48.00	Sq. ft.	6.93	332.64	166.32	166.32	249.48	83.16	166.32	166.32
Type B Warning Lights	8.00	each	159.90	1279.20	639.60	639.60	959.40	319.80	639.60	639.60
4" White (Bypass)	1537.00	L.F.	0.21	322.77	161.39	161.39	242.08	80.69	161.39	161.39
4" Yellow	186.00	L.F.	0.21	39.06	19.53	19.53	29.30	9.77	19.53	19.53
4" White Tape	189.00	L.F.	3.10	585.90	292.95	292.95	439.43	146.48	292.95	292.95
Tape Removal	189.00	L.F.	0.26	49.14	24.57	24.57	36.86	12.29	24.57	24.57
4" Yellow Tape	30.00	L.F.	3.10	93.00	46.50	46.50	69.75	23.25	46.50	46.50
Pavement Marking Removal	626.00	L.F.	0.32	200.32	100.16	100.16	150.24	50.08	100.16	100.16
Tape Removal (Yellow Skips)	30.00	L.F.	0.26	7.80	3.90	3.90	5.85	1.95	3.90	3.90
TOTALS				32604.09	32604.09	32604.09	48906.14	16302.05	40643.07	24565.11

DIFFERENCE THIS V.E.

8038.98 -8038.98

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 will use in place existing pavement to eliminate the need for temporary bypass. This will be a 50/50 split. Contractor will overlay existing roadway in lieu of remove and replace. This will be a 75/25 split.

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.
