

VALUE ENGINEERING CHANGE PROPOSAL MISSOURI DEPARTMENT OF TRANSPORTATION

Conceptual Proposal Final Proposal Date 9-08-11

Contract ID 110422-410 Job No. J4B0801L

County Henry B, N, K, O Original Bid Cost 3,941,468.62

Contractor Leath & Sons, Inc. By Chad Wirsig, APAC Mo.

Designed By Chad Wirsig, APAC Mo Phone 660-351-5055

VECP# 11-69 (to be completed by C.O.) VECP or PDVECP

1. **Description of existing requirements and proposed change(s). Advantages/Disadvantages**
Hilty proposes to eliminate construction of the integral curb and flume drain construction at the bridge ends on route B, Bridge N09631. The roadway profile falls away from the new deck eliminating runoff from the approaching roadway and the bridge deck drains will cause runoff to be minimal. The advantage is improved maintainable bridge drainage at a cost savings to MoDOT and the contractor.

2. **Estimate of reduction in construction costs.** \$1,896.00

3. **Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.**
There will be no adverse effects such as erosion of the inslope or any other type of undermining of the end bents. Eliminating the integral curb should eliminate repair costs resulting from snow removal and ponding of ice prevention fluids.

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.**

(date and/or dates)

Additional Comments:

A similar VE was submitted for 110422-408 bridge B05641 and A3881 in Henry County by APAC Mo.

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

Comments:

*Recommend Approval of Proposal as Practical Design using 75/25 split.
There will be no significant runoff that will require the flume or curb.*

[Signature]
Submitted By Resident Engineer

10-5-11
Date

Comments:

Approval Recommended

Rejection Recommended

[Signature]
District Engineer

10-11-11
Date

Comments:

NOT CADMATIC OVERSIGHT

Approval Recommended

Rejection Recommended

Federal Highway Administration
Required for FHWA Full Oversight Projects

Date: _____

Comments:

APPROVED PER DISTRICT RECOMMENDATION

[Signature]
State Construction and Materials Engineer

Digitally signed by Dennis Bryant
DN: cn=Dennis Bryant, o=MoDOT,
ou=3H35,
email=dennis.bryant@modot.mo.gov,
v, c=US
Date: 2011.10.11 08:51:05-00'

Approval

Rejection

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.

Project:
Contract I.D. 110422-410
Job No. J4B0801L
Rte. B, Johnson County

Value Engineering spreadsheet on cost savings.

Plan estimated quantity

Line Item	Quantity	Price	Cost
1260	22	\$18.00	\$396.00
1270	4	\$375.00	\$1,500.00
	Total		\$1,896.00

Savings \$1,896.00

VE estimated quantity

Line Item	Quantity	Price	Cost
1260	-22	\$18.00	-\$396.00
1270	-4	\$375.00	-\$1,500.00
	Total		-\$1,896.00

Contract ID: 110422-410

Fed St/Pr Prj Nbr: FAS-S467 (7)

Status: Active

Primary PCN: J4B0801L

District: SW

OrgCode: GCA

Funding

Progress Sched:

Variance Pct: .00

- Federal
- State/Province
- Both

Desc: J4B0801L - RTES B, N, K, O - HENRY/JOHNSON COUNTIES

Time Charges: Completion Date

Bid Days: 219

Bid Amt: \$3,941,468.62

Contract Type: Construction Project Above \$500,000

Fed Oversight

Work Type: BRIDGE CONSTRUCTION OR REHABILITATION

Local Oversight

Proposal Fund Type:

Spec Yr: 1996

Unit System: English

Suppl Spec Bk Yr:

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)

_____ Delete unnecessary drain basins.

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.