

VALUE ENGINEERING CHANGE PROPOSAL
MISSOURI DEPARTMENT OF TRANSPORTATION

Conceptual Proposal Final Proposal Date 8-26-2011

Contract ID 100205-601 Job No. J6U0807

County St. Louis 141 Original Bid Cost 54,889,970.33

Contractor Fred Weber, Inc By Justin Brooks

Designed By Fred Weber, Inc Phone 314-792-6931

VECP# 11-63 (to be completed by C.O.) VECP or PDVECP

1. **Description of existing requirements and proposed change(s). Advantages/Disadvantages**
 Over 2000 Square Yards of existing Ladue are scheduled to be removed and replaced at the same grade and elevation that exists today. We propose to mill/fill these sections with a 1 3/4" SP125BSM and utilize full depth Asphalt widening where required to bring the pavement to the designed width. Per MoDOT's pavement engineer's review and approval of our proposed redesign, we will construction the equal or better full depth Ladue Pavement utilizing 12" of Rock Base and 9" of Superpave (7 1/4" SP190-64-22 with 1 3/4" SPCLP 64-22) vs the proposed 8" of PCCP over 4" Type 5 Aggregate. The advantages are a pavement structure that is 21" in depth vs the designed 12"

2. **Estimate of reduction in construction costs.** \$105,961.93

3. **Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.**
 Per the RE's conversation, the section of Ladue that we tie into to the East of our project was mill/filled last year with the existing concrete pavement in excellent condition - no pavement repairs were required. A SP125BSM over the existing concrete will provide a superior wearing surface for the 11,000 ADT traffic that drives Ladue while, not future adverse maintenance is expected as a result of this change.

4. **Anticipated date for submittal of detailed change(s) of items required by Section 104.6 of the Specifications.**
8-26-2011
 (date)

5. **Deadline for issuing a change order to obtain maximum cost reduction, noting the effect of contract completion time or delivery schedule.**
9-15-2011 We start construction on the East section of Ladue at this time
 (date) (effect)

6. **Dates of any previous or concurrent submission of the same proposal.**
N/A
 (date and/or dates)

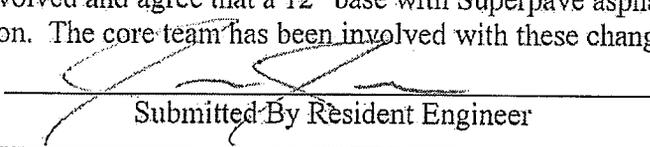
Additional Comments:

The DBE goal has been evaluated during these changes and any adverse effects this change has will be offset by additional DBE work elsewhere. The goal will remain 20%

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

Comments:

The nature of this soil in the flood plain is very poor, this is why we switched to Rock Fill Base for the entire length of Mainline 141 - due to the nature of turning movements in the proposed location, Rock Fill Base will give us a longer life pavement than the concrete over Type 5 would. Jason Bloomberg and John Donahue have both been involved and agree that a 12" base with Superpave asphalt will give us a equal/better pavement section. The core team has been involved with these changes and concure.


Submitted By Resident Engineer

8-26-2011

Date

Comments: Approval is recommended and contingent on satisfactory results achieved in the field and acknowledgement by the contractor that they are responsible for any consequences including unanticipated impacts or delays.

Approval Recommended



Digitally signed by Matthew Budd
DN: cn=Matthew Budd, o=MoDOT, ou=D6 Construction and Materials, email=Matthew.Budd@modot.mo.gov, c=US
Date: 2011.08.29 08:32:04 -05'00'

Rejection Recommended

District Engineer

Date

Comments:

Approval recommended based on MoDOT's recommendation.

Approval Recommended



Digitally signed by Dawn Perkins
DN: cn=Dawn Perkins, o=FHWA, ou=MO Division, email=dawn.perkins@dot.gov, c=US
Date: 2011.09.12 15:20:26 -05'00'

Rejection Recommended

Federal Highway Administration
Required for FHWA Full Oversight Projects

Date

Comments:

Approval



Digitally signed by John P. Donahue
DN: cn=John P. Donahue, o=MoDOT, ou=3H35, email=John.donahue@modot.mo.gov, c=US
Date: 2011.09.12 13:17:48 -05'00'

Rejection

State Construction and Materials Engineer

Date

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 reuse existing pavement on Ladue Road by resurfacing with SMA and widening full depth where needed in lieu of replacing entire pavement as per plans. Existing structure has been evaluated by Pavement Section as suitable for projected traffic.

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.
