

# SUPERIOR BOWEN ASPHALT COMPANY, L.L.C.

11030 Hickman Mills Drive • P.O. Box 9669 • Kansas City, Missouri 64134  
(816) 765-1313 • Fax (816) 765-0945



May 31, 2013

**Mr. Greg Stervinou**  
St. Joseph Project Office  
Missouri Department of Transportation  
4718 So. 169 Highway  
St. Joseph, MO 64507

Re: **Rte 29, Platte**  
J4I-2168  
Contract ID: 130125-C02  
SBAC Job 12075\_09

Dear Mr. Stervinou:

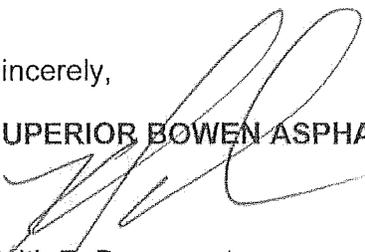
We are enclosing herewith our C-104 "**Value Engineering Change Proposal - Missouri Department of Transportation**" formally requesting approval of our VECP. The detailed narrative and break down of costs is attached to the C-104 form. The total savings in construction for our VECP is \$67,638.37. It is our opinion that additional design costs associated with our proposed VECP will be minimal if any.

Assuming there are no additional design costs, then in accordance with the Value Engineering Specification, we would share in the savings of our VECP equally with MoDOT. Besides the reduced construction costs an additional advantage is the use of Recycled Asphalt Pavement helping minimize the effect on our Natural Resources.

We would appreciate your review and consideration of our VECP. Please feel free to contact me to discuss our proposal, answer any questions or provide additional information.

Sincerely,

**SUPERIOR BOWEN ASPHALT COMPANY, LLC**

  
Keith E. Davenport  
Project Manager

KED:Job 12075\_09

VALUE ENGINEERING CHANGE PROPOSAL  
MISSOURI DEPARTMENT OF TRANSPORTATION

Conceptual Proposal       Final Proposal      Date 5/31/2013

Contract ID 130125-C02      Job No. J4I-2168

County Platte      Route 29      Original Contract Amount 3,835,891.57

Contractor Superior Bowen Asphalt Co., LLC      By Keith E. Davenport

Designed By \_\_\_\_\_      Phone 816-765-1313

VECP# 13-52 (to be completed by C.O.)      VECP  or PDVECP

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

2. Estimate of reduction in construction costs. \$67,368.37 ( See Attached )

3. Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.  
The proposed change should not have any effect on other department costs on maintenance and any other operations.

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

5/31/2013  
(date)

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

6/12/2013      See Attached Narrative  
(date)      (effect)

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

5/31/2013  
(date and/or dates)

**Additional Comments:**

If you have any questions or need more information please give us a call.

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

**Comments:**

APPROVED  
THIS CHANGE WAS DISCUSSED WITH THE  
FIELD OFFICE & HAS THEIR APPROVAL.

*[Signature]*  
Submitted By Resident Engineer

9-26-13  
Date

**Comments:**

Approval Recommended \_\_\_\_\_  
District Engineer Date

Rejection Recommended \_\_\_\_\_  
District Engineer Date

**Comments:**

N/A

Approval Recommended \_\_\_\_\_  
Federal Highway Administration Date

Rejection Recommended \_\_\_\_\_  
Required for FHWA Full Oversight Projects Date

**Comments:**

This is pilot project #2 of 3 to test RAP in SMA. This will be a 50\50 cost share.

Approval \_\_\_\_\_  
State Construction and Materials Engineer Date

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

## **Rte 29, Platte – VE Narrative**

**5/31/2013**

### **Rte 29, 130125-C02, J4I-2168**

The existing requirements of the project plans call for a 1.5" asphalt overlay using SP095BSM w/PG 76-22 both North and South Bound.

Superior Bowen is proposing using the use of a SP095BSM 15%RAP which would include 15% Fine Recycled Asphalt Pavement (RAP) in the mixture. The AC Grade would remain the PG 76-22 specified.

Depending on when tentative approval is given by MoDOT, we would still need to complete the Asphalt mix design for submittal and approval. It's possible that a delay of approximately two to three weeks would be required for this process. This would be the only potential delay in the construction of the project.

We believe that the use of RAP in the SMA mixture will provide MoDOT with an equivalent pavement structure and provide the performance MoDOT desires as well as substantial cost savings to the owner.

Rte 29, Platte, 130125-C02, J4I-2168

31-May-13

ORIGINAL SPECIFIED MIX

SMA 095 - 76-22	30,195.70	Tons	74.25	Ton	
29	30,195.70	(\$74.25)			(\$2,242,030.73) Deduct

PROPOSED VE MIX

SMA 095 15%RAP - 76-22		Tons	72.01	Ton	
29	30,195.70	\$72.01			\$2,174,392.36 Add

(\$67,638.37) Savings

Savings	(\$67,638.37)
VE % Split	50%
SABC	\$33,819.18
MoDOT	\$33,819.18

Fw: VE proposal for Rte 29, Platte  
Perry J Allen to: Gregory L Stervinou

06/10/2013 02:12 PM

Greg

Superior's VE is a go. They will need a mix design and a detailed breakdown of how they figured the savings.

I have communicated this with Keith Davenport and Jennifer has been in touch with Brett Trautman.

I believe all you need to do is process the VE as approval recommended with the caveat of getting that financial breakdown of the savings.

Send it to me and I will forward in kind.

Thanks

Perry J. Allen Jr. P.E.  
District Construction & Materials Engineer  
Kansas City District  
MoDOT  
600 NE Colbern Road  
Lee's Summit, MO 64086  
816.607.2102



Think Safe • Work Safe • Live Safe  
MoDOT Kansas City District

**SAFETY  
BEGINS  
WITH ME**

----- Forwarded by Perry J Allen/KC/MODOT on 06/10/2013 02:14 PM -----

From: Perry J Allen/KC/MODOT  
To: John P Donahue/SC/MODOT@MODOT, Brett S Trautman/SC/MODOT@MODOT,  
Date: 06/04/2013 02:33 PM  
Subject: Fw: VE proposal for Rte 29, Platte

John / Brett

Here is Pilot number 3 for RAP in SMA.

Please let me know if this will be considered. It is a different mix then I-70 but similar in application.

I am asking for a break down for the true VE savings but they need confirmation that this will be entertained before they will get the mix designed.

Please let me know as soon as possible.

Thanks

Perry J. Allen Jr. P.E.  
District Construction & Materials Engineer  
Kansas City District  
MoDOT  
600 NE Colbern Road  
Lee's Summit, MO 64086