

VALUE ENGINEERING CHANGE PROPOSAL
MISSOURI DEPARTMENT OF TRANSPORTATION

Conceptual Proposal Final Proposal Date 05.16.2012
Contract ID 120120-C02 Job No. J4S-1670
County Clay Route 169 Original Contract Amount 1,646,343.86
Contractor Superior Bowen Asphalt, LLC By Keith E. Davenport
Designed By N/A Phone 816-765-1313
VECP# 12-37 (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. \$ 28,911.20 (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.

05.16.2012
(date)

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

06.04.2012 There would be no change to the contract completion time.
(date) (effect)

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

05.16.2012
(date and/or dates)

Additional Comments:

If you have any question or require any additional information please give us a call.

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

Comments: *Recommend Approval*

Thomas J. Melway
Submitted By Resident Engineer

5/24/12
Date

Comments: *I CONCUR WITH THE RECOMMENDATION OF THE RE.*

Approval Recommended
 Rejection Recommended

Robert [Signature]
District Engineer

5/30/12
Date

Comments: Not a Full Oversight Project

Approval Recommended
 Rejection Recommended

Federal Highway Administration
Required for FHWA Full Oversight Projects

Date

Comments: Approved per District recommendation at 50/50 split

Approval
 Rejection

Dennis Bryant
State Construction and Materials Engineer

6/27/12
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



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 17, 2012



Mr. Thomas Markway, PE
Missouri Department of Transportation
Truman Road Project Office
908 E Truman Road
Kansas City, MO 64106

Re: Rte 169, Clay
J4S-1670
Contract ID: 120120-C02
SBAC Job 12014_15 - VE

Dear Mr. Markway:

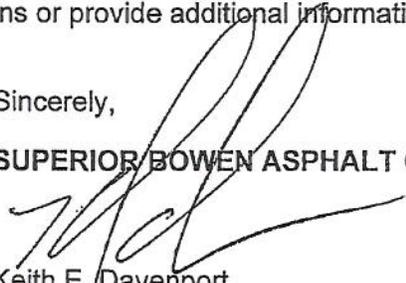
We are enclosing herewith our C-104 "Value Engineering Change Proposal - Missouri Department of Transportation" formally requesting approval of our VECP. The detailed narrative and break down of costs is attached to the C-104 form. The total savings in construction for our VECP is \$ 28,911.20. It is 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.

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 12014_15 - VE

Rte 169, Clay – J4S-1670, 120120-C02 – VE Narrative

Rte 169, J4S-1670

The existing requirements of the plans require the use of a UBAWS TYC for use on this project. As specified this UBAWS has no recycled material in it.

Superior Bowen is proposing using a Type B UBAWS (it would still be placed at the Ty C thickness), which would include up to 20% fractionated recycle material. We have successfully placed a Recycled UBAWS material as a pilot for MoDOT on Rte 70, 470 & 435, J4I-1574, J4I-1679 & J4I-2155, and Contract ID 101217-401.

Most of the material on the referenced project has been down for approximately one year. No signs of performance issues are visible, in fact in some regards; it appears to be performing better than some Virgin UBAWS material.

We believe this project lends itself to placing the UBAWS - Recycle application and the revised pavement section would result in a cost savings to the owner while not decreasing the expected pavement performance.

Rte 169, Clay, J4S-1670, 120120-C02

UBAWS - TY C	289,112	SY	
169	289,112.00	(\$3.13)	(\$904,920.56)

UBAWS -TY B/C Recycle			
169	289,112	\$3.03	\$876,009.36

\$876,009.36

Savings (\$28,911.20)

50%

SABC \$14,455.60



Re: Fw: Rte 169, Clay VE Proposal
 Dennis G Bryant to: Perry J Allen

05/23/2012 09:32 AM

Dave Ahlvers just gave it his blessing so I'll approve it as soon as you guys get me a signed copy.]

Perry J Allen [Thanks Dennis. I have no reason to deny this V 05/21/2012 01:55:40 PM

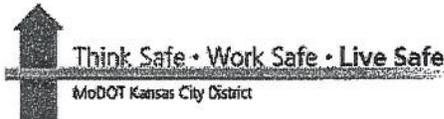
From: Perry J Allen/KC/MODOT
 To: Dennis G Bryant/SC/MODOT@MODOT
 Date: 05/21/2012 01:55 PM
 Subject: Re: Fw: Rte 169, Clay VE Proposal

Thanks Dennis.

I have no reason to deny this VE so it is headed your way.

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



Dennis G Bryant [My gut hunch is that it's probably within reason 05/21/2012 01:42:07 PM

From: Dennis G Bryant/SC/MODOT
 To: Perry J Allen/KC/MODOT@MODOT
 Date: 05/21/2012 01:42 PM
 Subject: Re: Fw: Rte 169, Clay VE Proposal

My gut hunch is that it's probably within reason. This isn't like a dense-graded mix. The Nova Bond is more than half of the square yard price in itself. Even at 20% you aren't talking about a lot of aggregate.

Perry J Allen [Dennis: Would you please provide me your opini 05/21/2012 08:41:15 AM

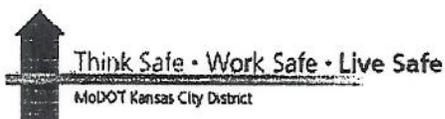
From: Perry J Allen/KC/MODOT
 To: Dennis G Bryant/SC/MODOT@MODOT
 Date: 05/21/2012 08:41 AM
 Subject: Fw: Rte 169, Clay VE Proposal

Dennis

Would you please provide me your opinion of the price reduction being proposed for the change from virgin material to recycle as part of this VE?

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



----- Forwarded by Perry J Allen/KC/MODOT on 05/21/2012 08:56 AM -----

From: Thomas J Markway/D4/MODOT
To: Perry J Allen/KC/MODOT@MODOT, Warren F Roberts/D4/MODOT@MODOT
Date: 05/18/2012 02:05 PM
Subject: Fw: Rte 169, Clay VE Proposal

Are we approving this? Looks like something you might have talked to Keith about.

----- Forwarded by Thomas J Markway/D4/MODOT on 05/18/2012 02:03 PM -----

From: Keith Davenport <kedavenport@superiorbowen.com>
To: "Tom Markway (Thomas.Markway@modot.mo.gov)" <Thomas.Markway@modot.mo.gov>
Cc: "Perry Allen (Perry.Allen@modot.mo.gov)" <Perry.Allen@modot.mo.gov>
Date: 05/17/2012 11:24 AM
Subject: Rte 169, Clay VE Proposal

Tom...I have the hard copy in tonight's mail and I included Perry on this because he and I had discussed this last Wednesday. Let me know if you need anything else.

Keith

Keith E. Davenport
Superior Bowen Asphalt Co., LLC
PO Box 9669
11030 Hickman Mills Drive
Kansas City, MO 64134
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816-765-0945 Fax
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[attachment "RTE 169 VE 12014_15.pdf" deleted by Dennis G Bryant/SC/MODOT]