October 23, 2012
Item # I-3

To: **Mayor and Commissioners**

From: **Scott Massman, Superintendent of Engineering**

Subject: **FINAL CHANGE ORDER AND PAY ESTIMATE TO B & B BRIDGE COMPANY, LLC. FOR THE KANSAS DEPARTMENT OF TRANSPORTATION (KDOT) KLINK PROJECT NO. 169-63U-0027-01 (SOUTH WALNUT)**

Recommendation: **Authorize Final Change Order to B & B Bridge Company LLC. for the construction of KDOT KLINK Project No. 169-63U-0027-01.**

Discussion: The above-mentioned KLINK project has been completed with satisfactory results according to our project engineer, Mr. Michael Adkinson, P.E. with Allgeier, Martin and Associates, Inc. of Joplin Mo. The project was awarded to B & B Bridge Company on the 27th of October 2011 for the base bid lump sum amount of $428,130.50. A base bid for Additive Bid No. 1 was $191,517.00. The work for Additive Bid No. 1 was a HMA Surface (Ultrathin Bonded) (Type A) (PG70-28) also known as NovaChip. The product has sealed the previous rehabilitated concrete surface. The total lump sum bid for the project was $619,647.50.

The actual as-built base total was $395,218.00. The actual total for Additive Bid No. 1 was $170,576.80. Therefore, the total project cost is $565,794.80 a difference of $53,852.70. The largest deduct for the project was in the amount of 9-inch pavement patching bid as $242,155.00 but completed as $237,025.00. It was found during the course of the project that less than the estimated concrete replacement was needed.

Funding for KDOT KLINK projects is 50-50 matching funds with the state's participation in the cost of construction and construction engineering not to exceed $200,000.00. The city did not receive an approved KLINK project for the year 2011, therefore, the allocated funds for the 2011 KLINK were applied as well as the funds for the 2012 KLINK project toward this project.

Staff was very pleased with the contractor who performed the submitted work in a most professional and timely manner. Staff was also pleased with the construction engineering (inspection) performed by Allgeier Martin and Associates. Their estimate for services for Phase One was $60,800.00. Their total inspection fee came to $39,575.35 for both projects combined. This can be attributed to the speed at which the contractor completed the projects.

Mr. Mike Atkinson has assessed the submitted change order for these projects for accuracy, and it is staff's recommendation to approve change order number 1 and final pay estimates reflecting said document.

RESOLUTION NO. R-12-101

A RESOLUTION TO AUTHORIZE APPROVAL OF FINAL CHANGE ORDER NUMBER 1 WITH B & B BRIDGE COMPANY, LLC, FOR THE CONSTRUCTION OF THE KANSAS DEPARTMENT OF TRANSPORTATION (KDOT) KLINK PROJECT NUMBER 169-63 U-0027-01 FOR THE LUMP SUM AMOUNT OF $619,647.50.

BE IT RESOLVED by the Board of Commissioners of the City of Coffeyville, Kansas that the Mayor and City Clerk be and are hereby authorized and directed to execute and authorize to approve Change Order Number 1, Final Payment, with B & B Bridge Company, LLC of St. Paul, Kansas, for the Kansas Department of Transportation KLINK Project No.169 U-0027-01 (South Walnut), for the total adjusted sum fee of $619,647.50.

ADOPTED THIS 23TH OCTOBER 2012.

_____
David George, Mayor

ATTEST:

_____
Cindy Price, City Clerk

APPROVED AS TO FORM AND LEGALITY:

_____
Paul Kritz, City Attorney

Proposed 2012 KLINK Overlay Project on Highway 169 or South Walnut Street

Station 0+000 Begin
Project No. US 169–63U–1920–01

North

Scale 1" = 400'

Centerline Highway 169
Proposed Overlay Project
=5469.78 Lin. Ft.

Station 1+667.19 End
Project No. US 169–63U–1920–01

City of Coffeyville Engineering Department			
FIELD BY:	TITLE: Proposed 2012 KLINK Overlay Project on Highway 169 or South Walnut Street		
DRAWN BY: JSM			
CHECKED BY:	SCALE: 1" = 400'	SHEET REFERENCE NUMBER:	CONTRACT NO.
	DATE: July 1, 2009		SHEET
APPROVED BY:	DWG. EScott\KDOT PROJECTS\2012 KLINK\2012 KLINK.dwg		

Tabulation of Bids Received September 22, 2011
For PCCP Pavement Repair HMA Ultrathin Bonded Asphalt Overlay, KLINK Proj. (US) 169-63 U-0027-01, Fiscal Year 2012, Coffeyville, Kansas

Bid Item & Description	Qty.	Unit	B & B Bridge Co., LLC, 6th & Central, St. Paul, KS 66771		Bryant & Bryant Const., Inc., 703 McNair, Halstead, KS 67056		Mission Constr. Co., Inc., PO Box 321, St. Paul, KS 66771		LaForge & Budd Constr. Co., 2020 N. 21st Street, Parsons, KS 67357	
			Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
1 PCCP Patching (9", Sound, Full Depth)	2,549.00	SY	$95.00	$242,155.00	$85.00	$216,665.00	$125.00	$318,625.00	$115.00	$293,135.00
2 PCCP Patching (12", Sound, Full Depth)	482.00	SY	$125.00	$60,250.00	$95.00	$45,790.00	$155.50	$74,951.00	$120.00	$57,840.00
3 4" Pipe Underdrain (Type L)	339.00	LF	$20.00	$6,780.00	$10.00	$3,390.00	$15.00	$5,085.00	$30.00	$10,170.00
4 Geogrid Reinforcement (for Base)	502.00	SY	$5.00	$2,510.00	$4.00	$2,008.00	$3.00	$1,506.00	$3.00	$1,506.00
5 Curb, Edge (6", Integral)(AE)	1,023.00	LF	$6.00	$6,138.00	$8.00	$8,184.00	$7.25	$7,416.75	$20.00	$20,460.00
6 Mobilization	1.00	LS	$20,000.00	$20,000.00	$70,000.00	$70,000.00	$58,200.00	$58,200.00	$55,000.00	$55,000.00
7 Pavement Marking Removal	8,300.00	LF	$0.65	$5,395.00	$0.12	$996.00	$0.50	$4,150.00	$0.70	$5,810.00
8 Pavemt. Marking (Temp.)4" Broken (Type I Tape)	10.90	Sta/Line	$40.00	$436.00	$75.00	$817.50	$15.00	$163.50	$100.00	$1,090.00
9 Pavemt. Marking (Temp.)4" Solid (Type I Tape)	261.10	Sta/Line	$75.00	$19,582.50	$84.00	$21,932.40	$115.00	$30,026.50	$100.00	$26,110.00
10 Pavemt. Marking (Epoxy)(White)(6")	4,395.00	LF	$2.00	$8,790.00	$1.68	$7,383.60	$0.60	$2,637.00	$2.00	$8,790.00
11 Pavemt. Marking (Epoxy)(Yellow)(4")	15,600.00	LF	$1.50	$23,400.00	$1.31	$20,436.00	$0.47	$7,332.00	$1.85	$28,860.00
12 Traffic Control (Initial Setup)	1.00	LS	$22,500.00	$22,500.00	$45,045.00	$45,045.00	$15,000.00	$15,000.00	$16,500.00	$16,500.00
13 Flagger	1.00	LS	$500.00	$500.00	$250.00	$250.00	$1.00	$1.00	$30,000.00	$30,000.00
14 Channelizer (Portable)	22,500.00	EADA	$0.10	$2,250.00	$0.16	$3,600.00	$0.20	$4,500.00	$0.30	$6,750.00
15 T-Works Sign Assembly	2.00	EA	$1,100.00	$2,200.00	$997.50	$1,995.00	$1,000.00	$2,000.00	$1,250.00	$2,500.00
16 Work Zone Signs (0-9.25 sqft)	2,160.00	EADA	$0.25	$540.00	$0.16	$345.60	$0.25	$540.00	$0.40	$864.00
17 Work Zone Signs (9.26-16.25 sqft)	2,880.00	EADA	$0.30	$864.00	$0.16	$460.80	$0.50	$1,440.00	$0.50	$1,440.00
18 Work Zone Barricades (Type III)	1,200.00	EADA	$0.50	$600.00	$0.79	$948.00	$2.00	$2,400.00	$0.60	$720.00
19 Arrow Display	120.00	EADA	$20.00	$2,400.00	$11.00	$1,320.00	$10.00	$1,200.00	$10.00	$1,200.00
20 Work Zone Warning Light, Type "A" Low Int.	2,400.00	EADA	$0.35	$840.00	$0.42	$1,008.00	$0.25	$600.00	$0.30	$720.00
Total Base Bid Amount				**$428,130.50**		**$452,574.90**		**$537,773.75**		**$569,465.00**
Additive Bid No. 1										
21 PCCP Patching (9"-9-5/8")(Sound)(Full Depth)	199.00	SY	$95.00	$18,905.00	$85.00	$16,915.00	$125.00	$24,875.00	$120.00	$23,880.00
22 Curb, Edge (6", Integral)(AE)	76.00	LF	$6.00	$456.00	$8.00	$608.00	$8.00	$608.00	$30.00	$2,280.00
23 HMA Surface(Ultrathin Bonded)(Type A)(PG70-28)	1,086.00	TON	$142.00	$154,212.00	$152.00	$165,072.00	$145.00	$157,470.00	$150.00	$162,900.00
24 Emulsified Asphalt (Emulsion Bonding Liquid)	25.40	TON	$700.00	$17,780.00	$735.00	$18,669.00	$670.00	$17,018.00	$700.00	$17,780.00
25 Pavemt. Marking (Temp.)4" Broken Type I Tape	16.4	Sta/Line	$10.00	$164.00	$15.00	$246.00	$15.00	$246.00	$100.00	$1,640.00
Total Additive Bid No. 1				**$191,517.00**		**$201,510.00**		**$200,217.00**		**$208,480.00**

This is to certify that at 2:00 p.m., CDST on September 22, 2011, in Coffeyville, KS the bids tabulated herein were publicly opened, read aloud, checked, and the above totals are correct as to additions and the bids were accompanied by acceptable bidders' bonds.

ALLGEIER, MARTIN AND ASSOCIATES, INC. - CONSULTING ENGINEERS - JOPLIN, MO

BY Michael Atkinson

Michael Atkinson, P.E.

As-Built Construction Cost Expenses
KLINK 1R Resurfacing
Pavement Repair, and Ultrathin Bonded Asphalt Surface
Project No. (US) 169-63 U-0027-01
FISCAL YEAR 2012
US 169, from 603 Feet South of 15th Street to 567 Feet North of the South Line of Section 12
Length = 5516 Feet, Width = 48 Feet, Area = 29,419 SY
Date: October 3, 2012

Base Bid

ITEM No.	ITEM DESCRIPTION	BID UNIT PRICE	ELIGIBLE ACTUAL QUANTITY	ELIGIBLE ACTUAL AMOUNT	NON-ELIGIBLE ACTUAL QUANTITY	NON-ELIGIBLE ACTUAL AMOUNT
1	PCCP Patching (9 Inch) (Sound)(Full Depth)	$95.00	**2495** sq yd	$237,025.00	sq yd	$ -
2	PCCP Patching (12 Inch)(Sound) (Full Depth)	$125.00	**482** sq yd	$60,250.00	sq yd	$ -
3	4 Inch Pipe Underdrain (Type L)	$20.00	**0** lnft	$0.00	**339** lnft	$ 6,780.00
4	Geogrid Reinforcement (for Base)	$5.00	**502** sq yd	$2,510.00	sq yd	$ -
5	Curb, Edge (6-Inch, Integral) (AE)	$6.00	**0** lnft	$0.00	**740** lnft	$ 4,440.00
6	Mobilization	$20,000.00	**1** Lump Sum	$20,000.00	Lump Sum	$ -
7	Pavement Marking Removal	$0.65	**1600** lnft	$1,040.00	lnft	$ -
8	Pavement Marking (Temporary) 4" Broken (3.3 ft.)(Type I Tape)	$40.00	**10.9** Sta./Line	$436.00	Sta./Line	$ -
9	Pavement Marking (Temporary) 4" Solid (Type I Tape)	$75.00	**125** Sta./Line	$9,375.00	Sta./Line	$ -
10	Pavement Marking (Epoxy), (White), (6")	$2.00	**3035** lnft	$6,070.00	lnft	$ -
11	Pavement Marking (Epoxy), (Yellow), (4")	$1.50	**9732** lnft	$14,598.00	lnft	$ -
12	Traffic Control (Initial Setup)	$22,500.00	**1** Lump Sum	$22,500.00	Lump Sum	$ -
13	Flagger	$500.00	**1** Lump Sum	$500.00	Hour	$ -
14	Channelizer (Portable)	$0.10	**22500** EADA	$2,250.00	EADA	$ -
15	T-Works Sign Assembly	$1,100.00	**2** Each	$2,200.00	Each	$ -
16	Work Zone Signs (0- 9.25 sqft)	$0.25	**2160** EADA	$540.00	EADA	$ -
17	Work Zone Signs (9.26 - 16.25 sqft)	$0.30	**2880** EADA	$864.00	EADA	$ -
18	Work Zone Barricades (Type III)	$0.50	**1200** EADA	$600.00	EADA	$ -
19	Arrow Display	$20.00	**120** EADA	$2,400.00	EADA	$ -
20	Work Zone Warning Light Type "A" Low Intensity	$0.35	**2400** EADA	$840.00	EADA	$ -
			Base Totals	**$383,998.00**		**$ 11,220.00**
			Grand Base Total (Eligible+Non-Eligible)			**$ 395,218.00**

As-Built Construction Cost Expenses
KLINK 1R Resurfacing
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FISCAL YEAR 2012
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Length = 5516 Feet, Width = 48 Feet, Area = 29,419 SY
Date: October 3, 2012

Additive Bid No. 1

21	PCCP Patching (9 Inch to 9-5/8 Inch) (Sound)(Full Depth)	$95.00	**153** sq yd	$14,535.00	sq yd	$	-
22	Curb, Edge (6-Inch, Integral) (AE)	$6.00	**0** lnft	$0.00	**16** lnft	$	96.00
23	HMA Surface (Ultrathin Bonded) (Type A) (PG70-28)	$142.00	**937.9** TON	$133,181.80	TON	$	-
24	Emulsified Asphalt (Emulsion Bonding Liquid)	$700.00	**23** TON	$16,100.00	TON	$	-
25	Pavement Marking (Temporary) 4" Broken (3.3 ft.)(Type I Tape)	$10.00	**16.4** Sta./Line	$164.00	Sta./Line	$	-
26	Grinding (Transition Headers)	$6,500.00	**1** Lump Sum	$6,500.00	Lump Sum	$	-
			Additive Totals	**$170,480.80**		**$**	**96.00**
			Grand Additive Total (Eligible+Non-Eligible)			**$**	**170,576.80**

TOTALS (Base+Alternate)	**$554,478.80**	**$**	**11,316.00**
GRAND TOTAL (Eligible+Non-Eligible)		**$**	**565,794.80**