CITY OF COFFEYVILLE
BOARD OF COMMISSIONERS AGENDA ITEM

MEETING DATE	September 9, 2014	
RESOLUTION OR ORDINANCE NUMBER	R-14-63	
AGENDA TITLE	**Resolution To Authorize Execution of Change Order No. 1 to the KLINK Project construction contract with Bryant & Bryant Construction, Inc.**	
REQUESTING DEPARTMENT	Public Works/Engineering	
PRESENTER	Chuck Shively, Director of Public Works	
FISCAL INFORMATION	Cost as recommended:	$21,676.00
	Budget Line Item:	520-5-220-868
	Balance Available	N/A
	New Appropriation Required:	[ ] Yes [X] No
PURPOSE	Authorize Execution of Change Order No. 1 to the KLINK Project construction contract with Bryant & Bryant Construction, Inc.	
BACKGROUND	When the KLINK project currently under construction on 11th Street was originally proposed, the main goal was to repair all of the existing bad joints in the section of 11th Street (US 166) between Buckeye Street and Walnut Street, as we had previously done east of Walnut Street. The secondary goal was to place a 5/8" thick Ultrathin Bonded Asphalt Surface (UBAS) on the street to restore the wearing surface, seal and rejuvenate the existing asphalt, and smooth the surface after the joint repairs. At that time diamond grinding the surface to a nearly perfect smoothness before placing the UBAS was considered. The cost for the diamond grinding was estimated at approximately $200,000.	

BACKGROUND (CONTINUED)	The decision was made at that time that, due to the high cost, grinding would not be prudent, and that the smoothness of the surface would be improved significantly by the joint repair and the UBAS overlay without the grinding.
SPECIAL NOTES	
ANALYSIS	Now that the joint repairs are done, the street surface is actually much smoother than before the project began, but nowhere near perfect smoothness. After driving the repaired street, staff questioned how well the UBAS will smooth the bumps at some of the joint repair locations that we had concerns about, some of which were repairs made by City crews long before the project began. We also questioned whether the UBAS would be thinned in spots at the edge of joint repair "bumps", which might cause a weak spot in the UBAS. Our engineer assured us that the UBAS laydown machine would hold the 5/8" as a <u>minimum</u> thickness, and that the UBAS would actually be thicker in the low areas wedging up to the bumps. He said that he had built that additional quantity for those thickened areas into the UBAS bid quantity. Ultimately some humps will probably be felt where some of the larger bumps will be smoothed over but not eliminated. Although the street will be dramatically smoother than before the project, it will not be totally smooth. So staff and our engineer decided to look into what other options are available to us besides either an improved street that still has some humps or paying an extra $200,000 for a perfect surface (until the next joint blows out). Another option available to us is to "profile mill" the surface. A milling machine is not as exact as a diamond grinding machine, but it is capable of milling off the bumps. The idea is that the milling machine will follow the surface of the existing asphalt, milling off any high spots as it goes, making a smoother (although not perfect) surface for the UBAS to be applied over.

ANALYSIS (CONTINUED)	Both the original contract cost and the proposed change order cost are based on unit prices times estimated quantities of those units. So, at the end of the project a final quantity change order will be necessary to adjust the final cost based on the actual quantities installed vs. the estimated quantities awarded. The proposed price for profile milling the entire surface, based on estimated quantities and including traffic control, is $21,676.00. This price is based on the City providing dump trucks, street sweeper, and drivers. Since the bumps will be milled off, the increased thickness of the UBAS wedging up to the bumps will also be reduced, resulting in a decrease in UBAS quantity paid by the City. Although the amount of that decrease cannot be quantified, it will result in an actual quantity reduction and related cost reduction. The public expects, and deserves, the best final product we can provide, while remaining good stewards of the public funds. Staff believes that the public would not be happy with the City spending approximately $920,000.00 for a street that still has rough spots, when we can smooth out that roughness for an estimated additional $21,676.00 (2.36% increase). Staff believes that the proposed increase is very reasonable for the resulting improved smoothness of the finished product. We are tentatively on the contractor's schedule for the third or fourth week of September. If the City Commission decides to <u>not</u> approve the Change Order we will notify the contractor to remove us from the milling schedule and move forward with the UBAS without the milling. Funds are available in the street sales tax fund to cover the proposed increase. The proposed Change Order directs the contractor to perform the profile milling at the cost of $0.58 per square yard plus $1,500 per day for traffic control. The estimated area to be milled is 32,200 square yards, for a total estimated Change Order increase of $21,676.00.
PUBLIC INFORMATION PROCESS	N/A

BOARD OR COMMISSION RECOMMENDATION	N/A
STAFF RECOMMENDATION	Authorize Change Order No. 1 to the KLINK Project construction contract with Bryant & Bryant Construction, Inc.
REFERENCE DOCUMENTS ATTACHED	• Resolution R-14-63

Original Contract Awarded:	$919,606.50
Change Orders To Date:	$ 0.00
Proposed Change Order #1:	$ 21,676.00
Revised Contract Price:	$941,282.50
Proposed Percent Increase:	2.36%

Note: All costs based on estimated quantities times bid unit cos

RESOLUTION NO. R-14-63

A RESOLUTION TO AUTHORIZE THE EXECUTION OF CHANGE ORDER NO. 1 TO THE CONSTRUCTION CONTRACT WITH BRYANT & BRYANT CONSTRUCTION, INC. FOR THE KANSAS DEPARTMENT OF TRANSPORTATION KLINK PROJECT NO. 166/169-63 U-134-01, TO PERFORM PROFILE MILLING AT THE UNIT COST OF $0.58 PER SQUARE YARD PLUS TRAFFIC CONTROL AT $1,500.00 PER DAY FOR AN ESTIMATED TOTAL COST OF $21,676.00.

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 Change Order No. 1 to the construction contract with Bryant & Bryant Construction, Inc. for the Kansas Department of Transportation KLINK Project No. 166/169-63 U-0134-01, to perform profile milling at the unit cost of $0.58 per square yard plus traffic control at $1,500.00 per day, for an estimated total cost of $21,676.00.

ADOPTED THIS 9TH DAY OF SEPTEMBER 2014.

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James Falkner, Mayor

ATTEST:

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Cindy Price, City Clerk

APPROVED AS TO FORM AND LEGALITY:

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Paul Kritz, City Attorney