CITY OF COFFEYVILLE
BOARD OF COMMISSIONERS AGENDA ITEM

MEETING DATE	August 23, 2016	
RESOLUTION OR ORDINANCE NUMBER	R-16-105	
AGENDA TITLE	**A Resolution to authorize execution of Change Order No. 1 (Final) to the construction contract with Bryant & Bryant Construction, Inc. for curb & gutter replacement, construction of handicap sidewalk ramps, and street surface milling and overlay on 9th Street from Camden Street to Willow Street.**	
REQUESTING DEPARTMENT	Public Works/Engineering	
PRESENTER	Chuck Shively, Director of Public Works	
FISCAL INFORMATION	Cost as recommended:	$26,797.30 Increase
	Budget Line Item:	520-5-220-868
	Balance Available	N/A
	New Appropriation Required:	[ ] Yes [X] No
PURPOSE	To authorize execution of Change Order No. 1 (Final) to the construction contract with Bryant & Bryant Construction, Inc. for construction on 9th Street from Camden Street to Willow Street.	
BACKGROUND	Last March the City Commission authorized award of a construction contract with Bryant & Bryant Construction, Inc. for curb & gutter replacement, construction of handicap sidewalk ramps, and street surface milling and asphalt overlay of 9th Street from Camden Street to Willow Street. This project was approved as an extension of, but totally separate from, the two CDBG grant projects for Street and Sidewalk replacement on 9th street from Camden Street to Hall Street. This project was awarded based on the bid unit prices from the CDBG Street project times the engineer's estimated quantities to be completed. It is funded entirely by City transportation sales tax funds.	

SPECIAL NOTES	N/A
ANALYSIS	All four construction projects on 9th Street (the CDBG Street project, the CDBG Sidewalk project, the water line replacement project, and this project) were awarded, based on unit prices bid times estimated quantities to be installed. This Change Order modifies the final contract price of this project to reflect unit prices bid times the actual quantities installed. On each project, some quantities increased, some stayed the same, and some decreased. Specifically, on this project the major changes to the contract quantities were due to three causes. The first cause was the condition of the old brick below the existing street after the asphalt was removed by milling, the second cause was the addition of five handicap sidewalk ramps, and the third cause was additional curb and gutter replacement. The condition of the old brick street, which was to be used as the base for the new asphalt street, was considerably worse than anticipated. Our engineer had anticipated that there would be bad areas, and included line items for repair of the base. But when the asphalt was removed we discovered that it was hiding the need for much more extensive repair of the old brick street base than expected, including rock excavation, concrete patching, and hot mix asphalt for pre-leveling of bad spots and ruts in the brick street in order to have a solid base to prevent base failure and other problems with the street in the future. The Americans with Disabilities Act requires that handicap sidewalk ramps be added where necessary anytime a street is improved or modified. Our original plan was to have a City crew construct the ramps after the contractor was done. As work began on the project City staff and our engineer looked at the bid price from the contractor for ramps and determined that, due to the economies of scale of the large number of ramps being installed by the contractor on the other CDBG street project, the contractor's bid price was lower than the estimated cost of having our crew do the work. So, adding the ramps to the project actually saved the City money, while also freeing our crews to perform other work. Additional curb and gutter replacement was added to the project at the intersections to tie the new curb and gutter of the street into the new handicap sidewalk ramps. Without this additional curb and gutter we would end up with a new street with new curb and gutter tying into old broken curb and gutter around the radius of the curb returns at the intersections, and then tying into the new sidewalk ramps.

ANALYSIS (CONTINUED)	Another item of note on the Change Order is that we negotiated a reduced cost of curb and gutter replacement by reducing the curb & gutter width from 30” to 24”, which is typical around Coffeyville, and is what the new curb and gutter ties into at the intersections. While this resulted in a relatively small $665.50 savings on this project, the savings on the much larger CDBG Street project will be much more significant. The original contract was awarded in the total amount of $134,572.00. This proposed Change Order increases that amount by $26,797.30, making the final cost of the project $161,369.30.
PUBLIC INFORMATION PROCESS	N/A
BOARD OR COMMISSION RECOMMENDATION	N/A.
STAFF RECOMMENDATION	Approve the Resolution authorizing execution of Change Order No. 1 (Final) to the construction contract with Bryant & Bryant Construction, Inc. for curb & gutter replacement and street surface milling and overlay of 9th Street from Camden Street to Willow Street, including construction of handicap sidewalk ramps..
REFERENCE DOCUMENTS ATTACHED	• Resolution R-16-105 • Engineer’s Change Order Summary No. 1 • Change Order No. 1

RESOLUTION NO. R-16-105

A RESOLUTION TO AUTHORIZE THE EXECUTION OF CHANGE ORDER NO. 1 TO THE CONSTRUCTION CONTRACT WITH BRYANT AND BRYANT CONSTRUCTION, INC. FOR CURB & GUTTER REPLACEMENT AND STREET SURFACE MILLING AND OVERLAY ON 9TH STREET FROM CAMDEN STREET TO WILLOW STREET.

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 and Bryant Construction, Inc. for curb & gutter replacement and street surface milling and overlay 9th Street from Camden Street to Willow Street, reducing the contract price by $26,797.30, to a revised contract price of $161,369.30.

ADOPTED THIS 23RD DAY OF AUGUST 2016.

_____
Christopher V. Williams, Mayor

ATTEST:

_____
Cindy Price, City Clerk

APPROVED AS TO FORM AND LEGALITY:

_____
Paul Kritz, City Attorney

Coffeyville 9th Street Road Improvements

Engineer's Project Number **P125140040** Change Order No. **1**

Project **Coffeyville 9th Street Road Improvements**

Contractor: Bryant & Bryant Construction Inc. Contract Date 2/16/16

Contract For: **Road Improvements on 9th Street Willow to Camden**

Item No.	Decription	units	Unit Price	Plan Quant	Actual Quant.	Diff.	Total
5	Rock Excavation	CY	30.00	73.3	119	45.7	1371.00
6	Common Excavation	CY	20.00	106.4	135	28.6	572.00
7	Compaction of Earthwork	CY	5.00	11.2	85.9	74.7	373.50
8	Milling	SY	4.00	5572.9	5622.2	49.3	197.20
9	HMA Commercial Grade	TON	67.00	627	715	88	5896.00
10	Concrete Pavement 9" uniform	SY	70.00	0	33	33	2310.00
11	Concrete Grade 4.0	SY	210.00	146.1	132.2	-13.9	-2919.00
12	Curb & Gutter Combined	LF	24.00	906.5	1572	665.5	15972.00
13	Aggregaate Base AB-3 (4")	SY	6.50	0	23	23	149.50
14	Aggregaate Base AB-3 (6")	SY	8.50	499.4	550	50.6	430.10
15	Sidewalk Ramps	SY	165.00	0	23	23	3795.00
23	Temporary Sediment Barrier	EA	75.00	0	2	2	150.00
25	Seeding	LS	1,500.00	1	0	-1	-1500.00
						TOTAL	$ 26,797.30

This Change results in the following adjustement of Contract Price and Contract time:

The Original Contract Sum Was	$	134,572.00
The Net change by previously authorized Change Orders	$	-
The Contract Sum prior to this Change Order was	$	134,572.00
The Contract Sum will ***INCREASE*** by this Change Order in the amount of	$	26,797.30
The new Contract Sum including this Change Order will be	$	161,369.30

The Contract Time will be ***UNCHANGED*** by ***Zero (0)*** days

The date of Substantial Completion as of the date of this Change Order therefore is 8/15/16

NOT VALID UNTIL SIGNED BY ENGINEER, CONTRACTOR AND OWNER

TranSystems	Byant & Bryant Const. Inc.	City of Coffeyville
Engineer (Firm Name)	Contractor (Firm Name)	Owner (Firm Name)
115 South 6th, Independence	703 McNair, Halstead, KS	102 W. 7th, Coffeyville, KS
Address	Address	Address

TranSystems

Coffeyville 9th Street Road Improvements

By (Signature)	By (Signature)	By (Signature)
Jon Johnson	Kaywin R. Bryant III	Christopher V. Williams
(Typed Name)	(Typed Name)	(Typed Name)
8/19/2016	8-19-16	
Date	Date	Date

Change Order Summary No. 1

9th Street Willow to Camden

Item No. 5 **Rock Excavation** – The Contract provided 73.3 CY of Rock Excavation for this project with the full depth patching and adding the returns at the three intersections 45.7 CY added to this item, therefore the total for this item will be 119CY that will increase the Contract amount $1,371.00.

Item No. 6 **Common Excavation** – The contract provided 106.4 CY of Common Excavation for this project, after discussion with Chuck Shively, Thomas Osborn along with Jim Bradshaw, five (5) sidewalk ramps were added along with additional Curb Returns which in all added 28.6 CY of common Excavation to this project bringing the total to 135 CY, this will increase the Contract amount $572.00.

Item No. 7 **Compaction of Earthwork** – The Contract only provided 11.2 CY of Compaction of Earthwork for this project to cover 1572 LF of Curb & Gutter which is 665.5 lf over the plan quantity of 906.5 LF, the actual computations for the placed quantity of Curb and Gutter is 85.9 CY, thence resulting in an increase of 74.7 CY, thence overrunning this line item $373.50.

Item No. 8 **Milling** – The Contract provided for 5572.9 SY of this bid item which was estimated. After final field measurements were taken the total square yards came to 5622 SY, thence increasing the final quantity 49.1 SY, thence overrunning this line item $197.20.

Item No. 9 **HMA Commercial Grade** – The Contract provided for 627 Tons of this material, after Milling down to the original Brick surface it was found that there were several areas that would need preleveling before the final surface was laid and with the added Curb Returns at three corners it increased the amount of Asphalt bringing the total to 715 Tons, thence overrunning the original contract amount 88 tons, as a result this will increase the Contract amount $5,896.00.

Item No. 10 **Concrete Pavement (9" Uniform)** – This item was not included in the Contract but was added to insure positive drainage on the project by adding Valley Gutters at Spruce and 9th, and the North and South sides of the intersection of Beech and 9th, thence adding 33.0 SY to the contract at an additional cost of $2,310.00.

Item No. 11 **Concrete Grade 4.0** – The Contract provided for 146.1 SY of this item which was put in for Full Depth Patching, after milling it was found that this item could be reduced by 13.9 SY, thence bringing the final total for this line item to 132.2 SY and decreasing the Contract amount by $2919.00.

Item No. 12 **Curb & Gutter** – The Original contract price of $25.00 per LF was reduced to $24.00 per LF as agreed upon in the field. This reduction in cost was due to the field change of installing a 24" Curb and Gutter instead of the plan specified 30" curb and gutter. The reason for the change is that the existing curb and gutter in the field was 24" instead of the designed 30".

Item No. 12 **Curb & Gutter** – The Contract provided for 906.5 LF of this item the Concrete Swale was not included in the quantities and the City added the Curb Returns at the three intersections that are located at Spruce and 9th, and the North and South sides of the intersection of Beech and 9th, bringing the total measured in the field to 1,572 LF, this will increase the Contract amount $15,972.00.

Item No. 13 **Aggregate Base AB-3 (4")** – This item was not included in the original Contract but was added for the Five (5) ADA Ramps that the City added to the project using 23 SY of this item, this will increase the Contract amount $3,795.00.

Item No. 14 **Aggregate Base (AB-3) (6")** – The Contract provided for 499.4 SY of this material, with the additional Curb & Gutter that was added by the direction of the City of Coffeyville, we overran this line items by 50.6 SY of this material, thence resulting in an increase to the Contract amount of $430.10.

Item No. 15 **Sidewalk Ramps** – This item was added by the City to provide ADA compliance around the Coffeyville Junior College, this added 23 SY to the Contract which will increase the amount $3795.00.

Item No. 23 **Temporary Sediment Barrier** – This item was added to the Contract due to two Inlets at Willow Street that needed to be protected adding 2 EA to the Contract increasing the amount $150.00.

Item No. 25 **Seeding** – The Contract provided for 1 LSUM for this item, due to grass establishing on its own there was no need for this item reducing the quantity to zero this will decrease the Contract amount $1,500.00