CITY OF COFFEYVILLE
BOARD OF COMMISSIONERS AGENDA ITEM

MEETING DATE	April 23, 2013	
RESOLUTION OR ORDINANCE NUMBER	R-13-40	
AGENDA TITLE	Kansas Department of Transportation 2015 KLINK and 2016 Geometric Improvement Selection	
REQUESTING DEPARTMENT	Engineering	
PRESENTER	Scott Massman	
FISCAL INFORMATION	Cost as recommended:	2015 Klink-Novachip Overlay = $223,9292.92 Total $111,646.46 City Cost KLINK Rehab Concrete Joint Replacement-$175,680.00 Total$87,840.00 City Cost 2016 Geometric Improvement Project = $417,297.25 City Match10% = $41,729.72
	Budget Line Item:	
	Balance Available	
	New Appropriation Required:	[X] Yes [ ] No

PURPOSE	The Kansas Department of Transportation (KDOT) is requesting submittals for proposed 2015 KLINK and 2016 Geometric Improvement Projects. The 2015 KLINK project considered for this year's request is Highway 166 from Buckeye to Willow Streets consisting of a concrete panel joint replacement as well as a Nova Chip overlay. Concrete panel replacement cost =$175,680.00. Novachip Costs = $223,292.92 Total. City Share total = $199,804.96. Funding for KLINK projects are 50/50 matching funds with the state's participation in the cost of construction and construction engineering not to exceed $200,000.00. For the 2016 Geometric Improvement project the intersection of Sunflower and Highway 166-169 (Northeast Street) staff selected a reconfiguration of the area. The intersection as it exists today is difficult to maneuver. The intersection is at a skew angle to the highway and is not as functional as it could be. This project is estimated at a total amount including inflation of $417,297.72. KDOT's share of this would be $375,567.53. A geometric improvement project is based on a minimum participation of 90/10 match with a maximum state participation of $800,000. City staff consulted with the KDOT area engineer as to the prospect of the proposed projects, which received favorable response as to its concept and selection. Proposed project drawings and spreadsheets accompany this report. City staff is recommending the projects as listed. The applications for the project submittals are due April 27th 2013. Announcements should be expected towards the end of the year.
BACKGROUND	Yearly KDOT Submittal.
SPECIAL NOTES	
ANALYSIS	
PUBLIC INFORMATION PROCESS	
BOARD OR COMMISSION RECOMMENDATION	Approve resolution approving project selection.
STAFF RECOMMENDATION	Approve resolution approving project selection.

REFERENCE DOCUMENTS ATTACHED	1. Sunflower 10th North East-Layout1.pdf, 2016 Geometric Improvement Costs (Sunflower street).els 2. 2015 KLINK Joint Repair Highway 166 Buckeye to Willow.els 3. 2015 KLINK 166-169 Buckeye to Willow-Letter.pdf 4. 2015 KLINK Joint Repair-Nova Chip Highway 166 Buckeye to Walnut.els 5. Sunflower10th North East-Layout1.pdf

RESOLUTION NO. R-13-40

A RESOLUTION TO AUTHORIZE THE SUBMISSION OF THE 2015 KLINK PROJECT AND THE 2016 GEOMETRIC IMPROVEMENT PROJECT TO THE KANSAS DEPARTMENT OF TRANSPORTION.

Be it resolved, by the board of commissioners of the City of Coffeyville, Kansas, that the Mayor and the City Clerk be and are hereby authorized and directed to execute and submit the 2015 Klink Project and the 2016 Geometric Improvement Project to the Kansas Department of Transportation (KDOT) for consideration of funding.

ADOPTED THIS 23rd DAY OF APRIL 2013.

_____
David George, Mayor

ATTEST:

_____
Cindy Price, City Clerk

APPROVED AS TO FORM AND LEGALITY:

_____
Paul Kritz, City Attorney

Proposed 2015 KLINK Rehab & Overlay Project on Highway 166 or West 11th Street

North

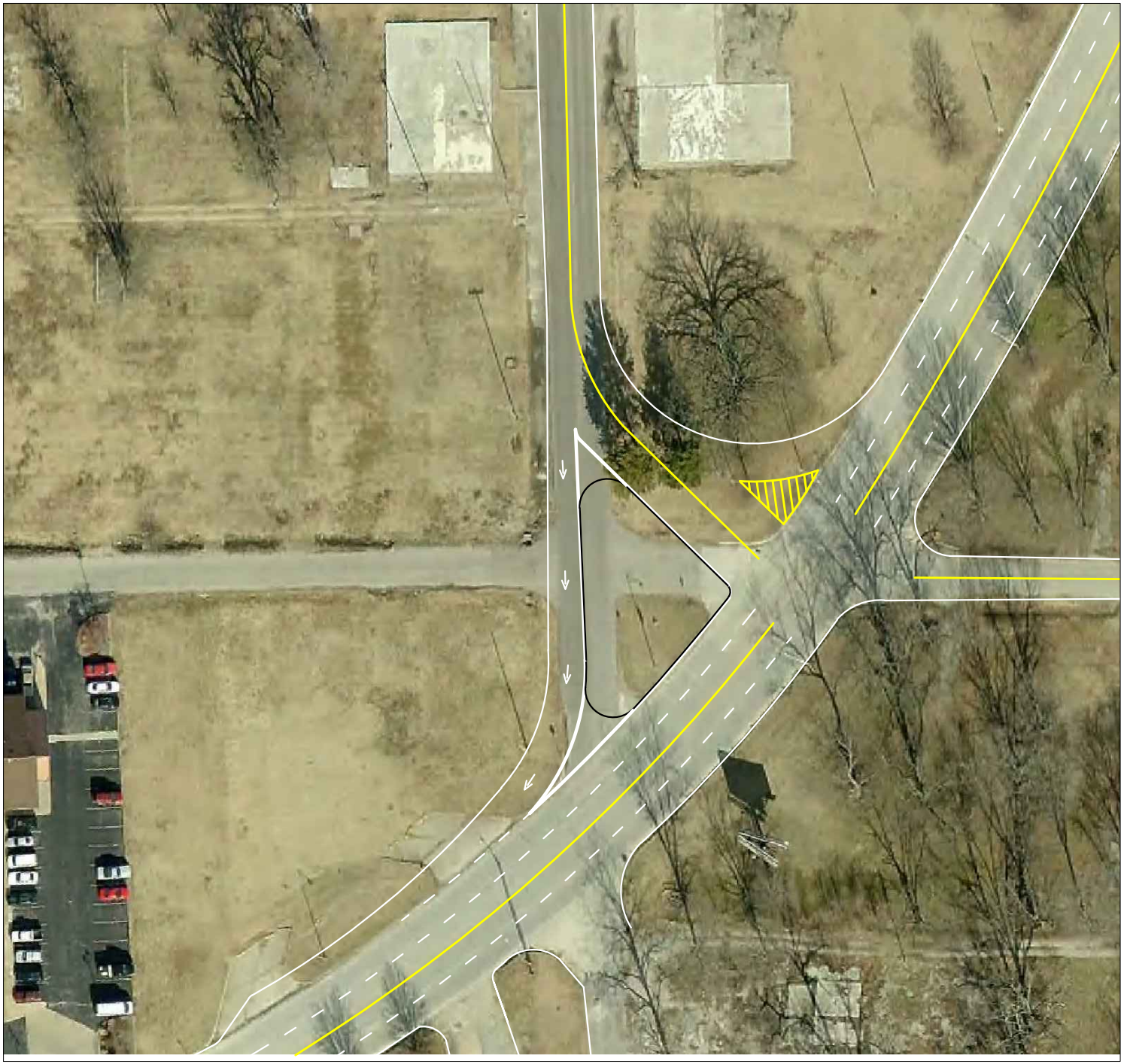
Scale 1" = 1000'

Station 61+60 Proposed Project End

Station 10+00 Begin Proposed Project

Centerline Highway Proposed Rehab & Overlay Project = 5160 Lin. Ft.

Coffeyville Engineering Department	DESIGNED BY:	CHECKED BY:
	DRAWN BY: JSM	APPROVED BY:
	SCALE: 1" = 1000'	CONTRACT NO.
TITLE: City of Coffeyville 2015 Proposed KLINK		DATE: 3/13/13
		REF #:
		SHEET #: 1 OF 1
DWG. CODE: X:\ESCOTT\KDOT PROJECTS\2015 KLINK\2015 KLINK 166-169 BUCKEYE TO WILLOW.DWG		



2016 GEOMETRIC IMPROVEMENT PROPOSAL FOR SUNFLOWER AND HIGHWAY 166–169–(NORTHEAST STREET) COFFEYVILLE, KANSAS

Coffeyville
Engineering Department

DESIGNED BY: TKO	CHECKED BY:	
DRAWN BY: TKO	APPROVED BY:	
SCALE: 1"= 50'	CONTRACT NO.	
TITLE: SUNFLOWER AND NORTHEAST GEOMETRIC IMPROVEMENT	DATE: 3/12/13	
	REF #:	
	SHEET #:	

DWG. CODE: J:\CADDATA\DWG\ROOT\GEOMETRIC IMPROVEMENT\2016\SUNFLOWER,NOR & NORTH EAST.DWG

HIGHWAY 166 RAILROAD BUCKEYE TO WILLOW

ESTIMATE OF COSTS

BASED ON 4665 L.F. OF PAVEMENT SURFACE 48 FEET WIDE

Total for All Joints Repaired

1	STRIPING	1	L.S.		$12,000.00	
2	SIGNING	1	L.S.		$8,000.00	
3	FULL DEPTH PATCHING	9216	S.Y.	$140.00	$1,290,240.00	Note: Repair All 1152 La
4	TRANSVERSE SAWCUTS	13824	L.F.	$3.00	$41,472.00	
5	TRANSVERSE SEALING JOINTS	13824	L.F.	$2.25	$31,104.00	
6	CLEANING AND SEALING LONGITUAL JOINTS	34500	L.F.	$3.00	$103,500.00	
				Total	$1,486,316.00	

Total for Joints Now Damaged

1	STRIPING	1	L.S.		$12,000.00	
2	SIGNING	1	L.S.		$8,000.00	
3	FULL DEPTH PATCHING	3008	S.Y.	$140.00	$421,120.00	Note: Repair for 376 Lan
4	TRANSVERSE SAWCUTS	13824	L.F.	$3.00	$41,472.00	
5	TRANSVERSE SEALING JOINTS	13824	L.F.	$2.25	$31,104.00	
6	CLEANING AND SEALING LONGITUAL JOINTS	34500	L.F.	$3.00	$103,500.00	
				Total	$617,196.00	

Estimated Construction Cost 2015 Klink Project -166 Buckeye to Willow Street
Based on 4665 Lin. Ft.= 27,536 sq. yds.

ITEM NUMBER	ITEM DESCRIPTION		ESTIMATED	QUANTITY	ESTIMATED	ELIGIBLE ESTIMATED
1	HMA Surface (Ultrathin Bonded)	(Type B) (PG70-28)	1066	Tons	$105.00	$111,930.00
2	Emulsified Asphalt	(Emulsion Bonding Liquid)	28.3	Tons	$630.00	$17,829.00
3	Mobilization		1	Lump Sum	$20,000.00	$20,000.00
4	Pavement Marking Removal		7802	Lin Ft	$0.63	$4,915.26
5	Pavement Marking (Temporary)	4" Broken (3.3 ft.)(Type I	20.6	Sta./Line	$47.25	$973.35
6	Pavement Marking (Temporary)	4"	245.4	Sta./Line	$47.25	$11,595.15
7	Pavement Marking	(Epoxy), (White), (6")	4131.3	Lin Ft	$0.34	$1,404.64
8	Pavement Marking	(Epoxy), (Yellow), (4")	14724	Lin Ft	$0.34	$5,006.16
9	Traffic Control		1	Lump Sum	$2,100.00	$2,100.00
10	Flagger (Set Price)		1	1 HR	$31.50	$31.50
11	Channelizer (Portable)		21150	EADA	$0.23	$4,864.50
12	Work Zone Sign (Special)	(16.25 sqft & Less)	2	Each	$630.00	$1,260.00
13	Work Zone Signs (0- 9.25 sqft)		2160	EADA	$2.10	$4,536.00
14	Work Zone Signs (9.26 - 16.25 sqft)		2880	EADA	$2.10	$6,048.00
15	Work Zone Barricades (Type III)		960	EADA	$3.15	$3,024.00
16	Arrow Display		120	EADA	$18.90	$2,268.00
17	Work Zone Warning Light	Type "A" Low Intensity	2400	EADA	$1.05	$2,520.00
					Total	**$200,305.56**
				Construction Engineering 10%		$20,030.56
						$220,336.12

COFFEYVILLE 166-169 & Sunflower STREET PROJECT
2016 GEOMETRIC IMPROVEMENT
FISCAL YEAR 2016
ESTIMATE OF COSTS

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL COST	
A. CONSTRUCTION ITEMS						
1	REMOVALS	830	S.Y.	$20.00	$16,600.00	
2	AB-3 BASE	2055	S.Y.	$7.25	$14,898.75	
3	SAWCUT JOINTS FOR REMOVAL	378	L.F.	$5.80	$2,192.40	
4	CONC. PVMT 10" REINFORCED	2055	S.Y.	$66.60	$136,863.00	
5	CURB AND GUTTER	1343	L.F.	$23.00	$30,889.00	
6	SAWING AND SEALING PCCP	1093	L.F.	$3.50	$3,825.50	
7	TRAFFIC CONTROL	1	L.S.	$11,576.00	$11,576.00	
8	PAVEMENT MARKING	1	L.S.	$11,576.00	$11,576.00	
9	MOBILIZATION	1	L.S.	$22,050.00	$22,050.00	
10	RIGHT OF WAY ACQUISITION	1	L.S.	$22,050.00	$22,050.00	County value for b

TOTAL CONSTRUCTION COST	a	***$272,520.65***
Preliminary Engineering/Design (10%)	b	$27,252.07
Construction Engineering/Inspection (15%)	c	$40,878.10
TOTAL FOR PROJECT		**$340,650.81**
Inflation amount (line A-C x 1.225)	d	**$417,297.25**
Local Match 10%	e	**$41,729.72**
Total Requested Amount from KDOT	g	**$375,567.52**

HIGHWAY 166 Buckeye to Willow

ESTIMATE OF COSTS
BASED ON 5160 L.F. OF PAVEMENT SURFACE 48 FEET WIDE
288 JOINTS SPACED @30 FEET X 4 = 1152 TOTAL LANE JOINTS
1 LANE JOINT = 12' X 6' = 72 SQAURE FEET/ 9 = 8 SQUARE YDS
139 Total Joints Counted 3/14/2013

1	STRIPING	1	L.S.		$12,000.00	
2	SIGNING	1	L.S.		$8,000.00	
3	FULL DEPTH PATCHING	1112	S.Y.	$140.00	$155,680.00	Note: Repair for 139 Lane Joints
4	CONSTRUCTION ENGINEERING		10%		$15,568.00	
				Total	$175,680.00	

$178,680.00	12
$223,292.92	6
$401,972.92	72
	10008
	1112