

Memorandum

City of Lawrence

Public Works

TO: David L. Corliss, City Manager
FROM: Nick Voss, Project Engineer
CC: Cynthia Wagner, Diane Stoddard, Chuck Soules, Shoeb Uddin, Mark Thiel
Date: April 24, 2012
RE: Project PW1201: KLINK: 6th Street – Monterey Way to Iowa Street.
Mill and overlay, Pavement Marking, and Geometric Improvements

Please include the following item on the City Commission Consent Agenda for consideration at the May 1, 2012 meeting.

On April 24, 2012 the City of Lawrence opened proposals for the following:

Project PW1201 – City Bid No. B1226
KLINK: 6th Street – Monterey Way to Iowa Street

VENDOR	TOTAL
Engineer's Estimate	\$1,187,184.50
Bettis Asphalt	\$1,196,484.21
Sunflower Paving	\$1,144,208.62

Project Description

The 2012 KLINK project includes a 2" mill and overlay, curb repair, full depth patching and geometric improvements on 6th Street from Monterey Way to Iowa. Major items of the proposed geometric improvements include: 1. An eastbound right turn lane at 6th & Kasold, 2. An eastbound bus turn out west of Schwarz Road and 3. Road widening between Rockledge and Iowa to provide a center turn lane for Hampton Inn. The project will cause traffic interruptions and lane closures, but will maintain at least one through lane in each direction at all times.

The existing lane configuration at 6th & Kasold consists of 6 lane sections (four through lanes and two left turn lanes) at both east and west legs and 5 lane sections (four through lanes and one left turn lane) at both north and south legs of the intersection. The proposed dedicated eastbound right turn lane at the southwest corner of 6th & Kasold will also function as a bus turn out and greatly improve traffic flow and safety at this intersection. The improvements at the southwest corner of the intersection will also include a sidewalk to bridge the gap and a concrete pad with bus shelter.

To make room for the new 11 foot right turn lane/bus turn out, all four eastbound lanes (two through lanes and two left turn lanes) will be narrowed by one foot (from 12 feet to 11 feet)

and the road will be widened seven feet to the south. The existing medians on 6th Street will remain in place.

Project Funding

The project will be funded by KDOT and with General Obligation Bonds from Resolutions No. 6935.

Funding Source	Amount
KDOT KLINK Program	\$200,000.00
G.O. Bonds from Resolution 6935	\$1,000,000.00
Total	\$1,200,000.00

Following the completion of the project the City will be reimbursed \$200,000.00 from KDOT.

Bid Evaluation/Recommendation

Staff has evaluated all bid proposals to check for accuracy, completeness, and other applicable criteria / requirements. The bid proposal from Sunflower Paving offers the lowest and best total bid price for this project. Staff recommends "Award of City Bid No. B1226" to Sunflower Paving.

Action Request: Award PW1201: KLINK: 6th Street - Monterey Way to Iowa Street to Sunflower Paving in the amount of \$1,144,208.62 provided the contractor can meet the terms established in the contract documents and contingent upon KDOT approval.

Attached:
Bid Memo
Project Location Map

CITY OF LAWRENCE

City Bid No. B1226

Project No. PW1201

(KLINK) 6th Street - Monterey Way to Iowa Street

BID TAB

Bid Date: April 17, 2012

Engineer's Estimate: \$1,187,184.50

Item	Description	Unit	KLINK Section 1 (Mill, Overlay, Pvmnt. Marking)		Sunflower Paving, Inc.		Bettis Asphalt & Construction, Inc.	
			KDOT ELIGIBLE QUANTITY	NON-ELIGIBLE QUANTITY	Unit Price	Amount	UNIT PRICE	AMOUNT
1	Mobilization	L.S.	1		\$ 14,525.74	\$14,525.74	\$ 9,200.00	\$9,200.00
2	Milling 2" Depth	SY	52,882	389	\$ 0.49	\$26,102.79	\$ 0.95	\$50,607.45
3	Asphaltic Concrete (KDOT HMA-Commercial) 2" Overlay*	TON	6,155	45	\$ 58.73	\$364,126.00	\$ 58.15	\$360,530.00
4	Asphaltic Concrete (BM-1) Leveling Course****	TON	250		\$ 65.77	\$16,442.50	\$ 91.00	\$22,750.00
5	Portland Cement Concrete Pavement Patch (Full Depth- 8" Min.)**	SY	1000		\$ 55.03	\$55,030.00	\$ 66.96	\$66,960.00
6	Asphaltic Concrete (HMA-Commercial) Pavement Patch (Full Depth)**	TON	500		\$ 87.47	\$43,735.00	\$ 89.80	\$44,900.00
7	4" Broken White (Tape) (Temporary Pavement Marking)	LF	1636		\$ 1.20	\$1,963.20	\$ 1.00	\$1,636.00
8	4" Broken Yellow (Tape) (Temporary Pavement Marking)	LF	1162		\$ 1.20	\$1,394.40	\$ 1.00	\$1,162.00
9	6" Broken White Lane Line (Class A) (Cold Plastic)	LF	3490		\$ 3.50	\$12,215.00	\$ 3.10	\$10,819.00
	6" Dotted White Lane Line (Class A) (Cold Plastic)	LF	232		\$ 3.50	\$812.00	\$ 3.10	\$719.20
	6" Solid White Channelization Line (Class A) (Cold Plastic)	LF	2184	81	\$ 3.50	\$7,927.50	\$ 3.10	\$7,021.50
10	12" Solid White Chevron Line (Class A) (Cold Plastic)	LF	17		\$ 12.00	\$204.00	\$ 6.64	\$112.88
	24" Solid White Stop Line (Class A) (Cold Plastic)	LF	571	25	\$ 8.00	\$4,768.00	\$ 8.86	\$5,280.56
	24" Solid White Stop Line (Class A) (Applied to Existing Pvmnt.)	LF	10		\$ 8.00	\$80.00	\$ 14.39	\$143.90
	24" Solid White Stop Line (Class A) (Applied to New Concrete)	LF		13	\$ 8.00	\$104.00	\$ 14.39	\$187.07
	36" Solid White Crosswalk Line (Class A) (Cold Plastic)	LF	915	72	\$ 12.00	\$11,844.00	\$ 14.39	\$14,202.93
	36" Solid White Crosswalk Line (Class A) (Applied to Exist. Pvmnt.)	LF	45		\$ 12.00	\$540.00	\$ 21.04	\$946.80
	36" Solid White Crosswalk Line (Class A) (Applied to New Conc.)	LF		24	\$ 12.00	\$288.00	\$ 21.04	\$504.96
	4" Broken Yellow Lane Line (Class B) (Cold Plastic)	LF	2370		\$ 2.00	\$4,740.00	\$ 2.21	\$5,237.70
	4" Dotted Yellow Extension Line	LF	96		\$ 2.00	\$192.00	\$ 2.21	\$212.16
	4" Solid Yellow Lane Line (Class B) (Cold Plastic)	LF	9663		\$ 2.00	\$19,326.00	\$ 2.21	\$21,355.23
	4" Solid Double Yellow Lane Line (Class B) (Cold Plastic)***	LF	1779	81	\$ 4.00	\$7,440.00	\$ 4.43	\$8,239.80
	12" Solid Yellow Diagonal Line (Class B) (Cold Plastic)	LF	57		\$ 12.00	\$684.00	\$ 9.97	\$568.29
	Left Turn Lane Use Arrow (Cold Plastic)	Ea.	78		\$ 200.07	\$15,605.46	\$ 172.00	\$13,416.00
	Left Turn and Through Lane Use Arrow (Cold Plastic)	Ea.		2	\$ 200.07	\$400.14	\$ 288.00	\$576.00
	Right Turn Lane Use Arrow (Cold Plastic)	Ea.	4	2	\$ 200.07	\$1,200.42	\$ 172.00	\$1,032.00
	Right Turn Lane Use Arrow (Applied to New Conc.)	Ea.		3	\$ 200.07	\$600.21	\$ 360.00	\$1,080.00
	Sanitary Sewer Manhole Adjustment	Ea.	6		\$ 900.32	\$5,401.92	\$ 760.00	\$4,560.00
	Storm Sewer Manhole Adjustment	Ea.	1		\$ 765.27	\$765.27	\$ 760.00	\$760.00
	Water Valve Box Adjustment	Ea.	13		\$ 408.89	\$5,315.57	\$ 450.00	\$5,850.00
	Remove and Replace Concrete Curb and Gutter (Type 1) (30")	LF	5376		\$ 21.35	\$114,777.60	\$ 21.10	\$113,433.60
	Remove and Replace Concrete Curb and Gutter (Type 2) (30")	LF	1114		\$ 20.96	\$23,349.44	\$ 20.80	\$23,171.20
11	Video Detection System (Complete)	Ea.		2	\$ 39,513.81	\$79,027.62	\$ 42,660.00	\$85,320.00
12	Construction Staking	L.S.		1	\$ 5,141.80	\$5,141.80	\$ 3,510.00	\$3,510.00
13	Clearing and Grubbing	L.S.		1	\$ 2,800.98	\$2,800.98	\$ 2,160.00	\$2,160.00
14	Grading and Compaction of Earthwork	L.S.		1	\$ 5,101.78	\$5,101.78	\$ 27,000.00	\$27,000.00
15	Remove Existing Raised Median	L.S.		1	\$ 1,000.35	\$1,000.35	\$ 361.81	\$361.81
16	Remove Existing Curb and Gutter	LF		1186	\$ 4.90	\$5,811.40	\$ 7.60	\$9,013.60
	Remove Existing Sidewalk	SY		414	\$ 12.00	\$4,968.00	\$ 3.24	\$1,341.36
	Remove Existing Retaining Wall	LF		38	\$ 50.02	\$1,900.76	\$ 16.20	\$615.60
	Remove Existing Pavement (12")	SY		375	\$ 15.00	\$5,625.00	\$ 7.27	\$2,726.25

CITY OF LAWRENCE

City Bid No. B1226

Project No. PW1201

(KLINK) 6th Street - Monterey Way to Iowa Street

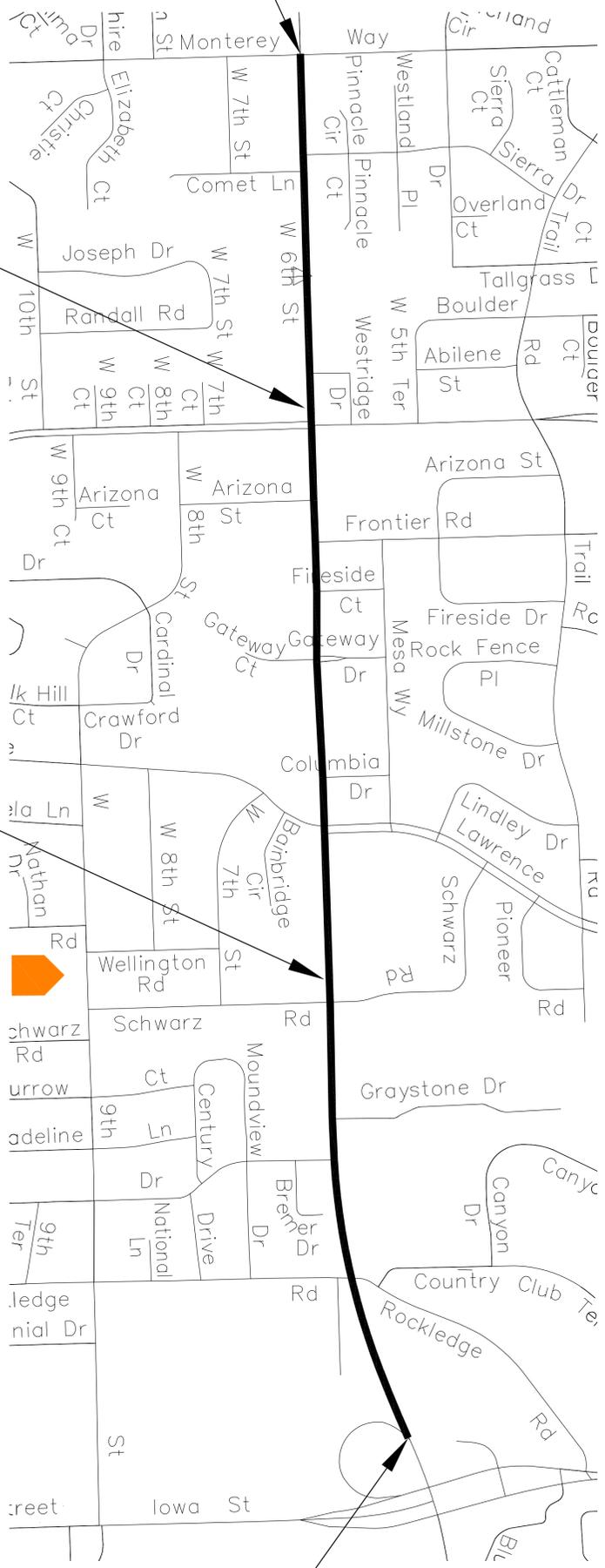
BID TAB

Bid Date: April 17, 2012

Engineer's Estimate: \$1,187,184.50

Remove Existing Driveway Pavement	SY		286	\$	13.00	\$3,718.00	\$	5.27	\$1,507.22
Remove Existing Inlet	Ea.		5	\$	1,500.53	\$7,502.65	\$	540.00	\$2,700.00
Remove Existing Water Meter Vault	Ea.		1	\$	1,000.35	\$1,000.35	\$	540.00	\$540.00
Remove Existing Water Meter Vault Top and Blocks	Ea.		1	\$	1,500.53	\$1,500.53	\$	540.00	\$540.00
Remove Existing Pipe (CMP) (21") (24")	LF		38	\$	75.03	\$2,851.14	\$	10.80	\$410.40
Relocate Existing Traffic Signal Pole	L.S.		1	\$	7,152.50	\$7,152.50	\$	7,722.00	\$7,722.00
Relocate Existing Pedestrian Push Button Pole Equipment	L.S.		1	\$	1,650.57	\$1,650.57	\$	1,782.00	\$1,782.00
Install New Traffic Signal Service Box	L.S.		1	\$	1,250.44	\$1,250.44	\$	1,350.00	\$1,350.00
Boring for Traffic Signal Conduit	LF		225	\$	24.01	\$5,402.25	\$	25.92	\$5,832.00
4" HDPE Traffic Signal Conduit	LF		233	\$	39.01	\$9,089.33	\$	42.12	\$9,813.96
Concrete Sidewalk (4")	SY		592	\$	38.68	\$22,898.56	\$	28.19	\$16,688.48
Concrete Sidewalk (6")	SY		271	\$	55.57	\$15,059.47	\$	35.64	\$9,658.44
Concrete Sidewalk Ramp (5')	Ea.		2	\$	844.45	\$1,688.90	\$	594.00	\$1,188.00
Concrete Sidewalk Ramp (6')	Ea.		7	\$	899.46	\$6,296.22	\$	648.00	\$4,536.00
Concrete Sidewalk Ramp (Radius)	Ea.		1	\$	1,145.69	\$1,145.69	\$	756.00	\$756.00
Exposed Aggregate Concrete (4")	SY		4	\$	449.04	\$1,796.16	\$	99.36	\$397.44
Concrete Retaining Wall	SF		602	\$	20.73	\$12,479.46	\$	32.58	\$19,613.16
Compacted Aggregate (AB-1) (9")	SY		1,120	\$	7.00	\$7,840.00	\$	10.80	\$12,096.00
Concrete Pavement (NRDJ) (10")	SY		714	\$	59.81	\$42,704.34	\$	62.10	\$44,339.40
Concrete Pavement Base (10")	SY		406	\$	50.20	\$20,381.20	\$	48.25	\$19,589.50
Concrete Pavement Driveways (8")	SY		248	\$	47.37	\$11,747.76	\$	47.30	\$11,730.40
Curb and Gutter (Type 1) (24")	LF		552	\$	19.05	\$10,515.60	\$	12.65	\$6,982.80
Curb and Gutter (Type 3) (24")	LF		76	\$	19.05	\$1,447.80	\$	13.00	\$988.00
Curb and Gutter (Type 1) (30")	LF		402	\$	20.10	\$8,080.20	\$	13.50	\$5,427.00
Curb and Gutter (Type 2) (30")	LF		75	\$	20.10	\$1,507.50	\$	13.30	\$997.50
Inlet (Curb) (7'x5')	Ea.		4	\$	3,903.86	\$15,615.44	\$	4,536.00	\$18,144.00
Inlet (Area) (4'x3')	Ea.		1	\$	2,600.91	\$2,600.91	\$	3,024.00	\$3,024.00
Water Meter Vault Top (6'x5')	Ea.		1	\$	1,750.62	\$1,750.62	\$	1,080.00	\$1,080.00
Storm Sewer (15") (CMP)	LF		7	\$	80.03	\$560.21	\$	65.00	\$455.00
Storm Sewer (18") (CMP)	LF		20	\$	80.03	\$1,600.60	\$	73.50	\$1,470.00
Storm Sewer (21") (CMP)	LF		6	\$	80.03	\$480.18	\$	78.00	\$468.00
Storm Sewer (24") (CMP)	LF		20	\$	80.03	\$1,600.60	\$	86.40	\$1,728.00
End Section (18") (CMP)	Ea.		1	\$	200.10	\$200.10	\$	810.00	\$810.00
End Section (24") (CMP)	Ea.		2	\$	250.09	\$500.18	\$	972.00	\$1,944.00
Riprap (9")	SY		29	\$	40.01	\$1,160.29	\$	32.40	\$939.60
Water Meter Relocation	Ea.		1	\$	1,250.44	\$1,250.44	\$	4,320.00	\$4,320.00
Japanese Tree Lilac 'Ivory Silk' (2-2.5" cal.)	Ea.		6	\$	456.16	\$2,736.96	\$	486.00	\$2,916.00
Relocate Wendy's Entrance/Exit Sign	L.S.		1	\$	1,250.44	\$1,250.44	\$	1,260.06	\$1,260.06
Seeding, Fertilizing and Mulching	L.S.		1	\$	3,501.22	\$3,501.22	\$	2,700.00	\$2,700.00
Traffic Control	L.S.		1	\$	9,262.52	\$9,262.52	\$	17,415.00	\$17,415.00
Irrigation Relocation	F.A.		1	\$	10,000.00	\$10,000.00	\$	10,000.00	\$10,000.00
Material Testing	F.A.		1	\$	5,000.00	\$5,000.00	\$	5,000.00	\$5,000.00
Bus Shelter (8')	L.S.		1	\$	5,153.44	\$5,153.44	\$	6,400.00	\$6,400.00
TOTAL						\$1,144,208.62			\$1,196,484.21

STATE OF KANSAS
 DEPARTMENT OF TRANSPORTATION
 KLINK 1R RESURFACING PROJECT FY 2013
 6TH STREET (U.S. 40 HWY.) – FROM MONTEREY WAY
 TO JUST WEST OF IOWA STREET (U.S. 59 HWY.)
 CITY OF LAWRENCE, KANSAS
 DOUGLAS COUNTY

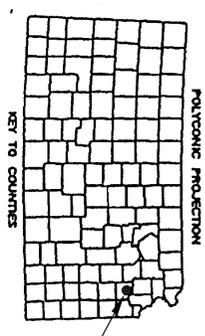
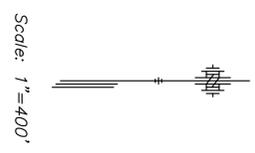


STA. 76+26.05 BEGIN
 Project No. 40-23 U-0086-01
 Klink 1R Resurfacing
 Near 6th Street and Monterey Way
 Intersection

Eastbound Right Turn Lane at 6th
 Street and Kasold Drive

Bus Turnout on 6th Street West
 Of Schwarz Road

STA. 152+18.96 END
 Project No. 40-23 U-0086-01
 Klink 1R Resurfacing
 Near 6th Street and Iowa Street
 Intersection



CITY OF LAWRENCE
 2008 POPULATION: 90,520