E-04f

September 26, 2005

TO: John Szerlag, City Manager

FROM: Brian Murphy, Assistant City Manager/Services
Steven J. Vandette, City Engineer

SUBJECT: **AGENDA ITEM -** Standard Purchasing Resolution #1: Award to Low Bidder Contract 05-6 – Livernois, Troy Court, John R and Chopin Water Main Replacement

RECOMMENDATION

It is recommended that City Council award a contract for Livernois, Troy Court, John R. and Chopin Water Main Replacement to Troelson Excavating, 43455 Schoenherr, Suite 6, Sterling Heights, MI 48313, for their low bid of $976,011.00 contingent upon submission of proper proposal and bid documents, including insurance certificates, bonds and all specified requirements.

In addition, we are requesting authorization to approve additional work, if needed, not to exceed 10% of the original project cost.

PROJECT INFORMATION

Bids were received and publicly read on September 15, 2005. The low bidder was Troelson Excavating, as can be seen in the attached tabulation of bids.

The project includes replacement of the existing 6" water main with 12" water main on Troy Court; replacement of the existing 8" water main with 12" water main on Livernois from Telford north to Lovell; replacement of the existing 6" water main with 12" water main on Chopin and Alger from Birchwood to John R; and replacement of the existing 12" water main with 12" water main on John R from Birchwood to Larchwood. All contract work, including final restoration and cleanup, is scheduled for completion by June 15, 2006.

FUNDING

Funds for this work, in the amount of $1.4 million, are included in the Water fund account numbers 555.7972.015025, 555.7972.015095, 555.7972.035015 and 555.7972.035025. These funds are sufficient for construction, engineering, inspection and contingency, including the aforementioned 10%.

13 - Bids Sent / 10 - Bids Rec'd

Prepared by: Gary Streight, Civil Engineer
G:\Contracts\Contracts - 2005\05-6 Troy Court, Livernois & Chopin_John R WM\Correspondence\Bid Award_R2.doc

BID TABULATION: **TROY COURT, LIVERNOIS, CHOPIN-JOHN R WATER MAIN REPLACEMENTS**

JOB NO.: **TR04-005, -006, -008**

BID OPENING DATE: SEPTEMBER 15, 2005 ; 2:00 PM

DATE PREPARED: 26-Sep-05

OWNER: CITY OF TROY
500 W. BIG BEAVER
TROY, MI 48084
PHONE: 248 524 3300

ENGINEER: SPALDING DEDECKER ASSOCIATES
905 SOUTH BLVD EAST
ROCHESTER HILLS, MI 48307
PHONE: (248) 844-5400

				TROELSON EXCAVATING		GIANETTI CONTRACTING		TYGER EXCAVATING		MAGO CONSTRUCTION	
TROY COURT											
ITEM NO.		UNIT	CONT. QTY	UNIT PRICE	CONTRACT AMOUNT	UNIT PRICE	CONTRACT AMOUNT	UNIT PRICE	CONTRACT AMOUNT	UNIT PRICE	CONTRACT AMOUNT
1	Audio Video Record of Construction Area	LS	1	1,000.00	1,000.00	800.00	800.00	2,000.00	2,000.00	12,166.40	12,166.40
2	Clearing & Grubbing	LS	1	500.00	500.00	500.00	500.00	500.00	500.00	13,249.60	13,249.60
3	12" Ductile Iron, Class 54 Water Main w/ Polywrap Trench Detail "F"	LF	520	60.00	31,200.00	49.52	25,750.40	54.00	28,080.00	57.41	29,853.20
4	12" Ductile Iron, Class 54 Water Main w/ Polywrap Trench Detail "G"	LF	560	68.00	38,080.00	62.02	34,731.20	68.00	38,080.00	47.66	26,689.60
5	Boring (For 12" Ductile Iron Water Main Pipe)	LF	42	120.00	5,040.00	225.00	9,450.00	185.00	7,770.00	51.99	2,183.58
6	20" O.D. Steel Casing (.375" Min. Wall)	LF	42	40.00	1,680.00	40.00	1,680.00	25.00	1,050.00	99.65	4,185.30
7	6 " Standard Hydrant & Valve Box	EA	2	2,600.00	5,200.00	2,220.00	4,440.00	2,000.00	4,000.00	2,085.16	4,170.32
8	12" Gate Valve in Well	EA	3	3,100.00	9,300.00	2,890.00	8,670.00	2,700.00	8,100.00	2,870.48	8,611.44
9	2" Temporary Blowoff	EA	2	200.00	400.00	300.00	600.00	150.00	300.00	509.10	1,018.20
10	Remove Hydrant	EA	1	600.00	600.00	300.00	300.00	500.00	500.00	920.72	920.72
11	Abandon Gate Valve & Well	EA	2	600.00	1,200.00	400.00	800.00	350.00	700.00	947.80	1,895.60
12	Cut & Cap Existing Water Main	EA	2	1,000.00	2,000.00	540.00	1,080.00	250.00	500.00	1,570.64	3,141.28
13	Connect Water Main	EA	2	3,000.00	6,000.00	2,350.00	4,700.00	3,500.00	7,000.00	4,711.92	9,423.84
14	Aggregate Base, 21AA - Special	TON	125	16.00	2,000.00	15.00	1,875.00	19.00	2,375.00	18.41	2,301.25
15	1100T 36B Bituminous Pavement	TON	88	100.00	8,800.00	100.00	8,800.00	100.00	8,800.00	159.23	14,012.24
16	Concrete Driveway - HE	SY	365	32.00	11,680.00	36.00	13,140.00	36.00	13,140.00	36.83	13,442.95
17	Removing Pavement Driveways	SY	784	5.00	3,920.00	10.00	7,840.00	4.50	3,528.00	4.87	3,818.08
18	Remove & Reset Mailboxes	LS	1	100.00	100.00	10.00	10.00	1,000.00	1,000.00	1,191.52	1,191.52
19	Mailbox Posts	EA	5	50.00	250.00	50.00	250.00	50.00	250.00	216.64	1,083.20
20	Traffic Maintenance Control	LS	1	500.00	500.00	500.00	500.00	10,000.00	10,000.00	4,874.40	4,874.40
21	Watering Sod	UNIT	50	10.00	500.00	50.00	2,500.00	35.00	1,750.00	108.32	5,416.00
22	Mowing Sod	EA	2	200.00	400.00	50.00	100.00	500.00	1,000.00	649.92	1,299.84
23	Geotextile Silt Fence for Sediment Control, Staked in Place	LF	650	2.00	1,300.00	1.00	650.00	2.00	1,300.00	3.25	2,112.50
24	Geotextile Fabric Under Catch Basin Covers	EA	6	20.00	120.00	70.00	420.00	50.00	300.00	108.32	649.92
25	Construction Observation	DAYS	$680	10	6,800.00	15	10,200.00	15	10,200.00	11	7,480.00
TOTAL AMOUNT TROY COURT					$138,570.00		$139,786.60		$152,223.00		$175,190.98

				TROELSON EXCAVATING		GIANETTI CONTRACTING		TYGER EXCAVATING		MAGO CONSTRUCTION	
LIVERNOIS ROAD											
ITEM			CONT.	UNIT	CONTRACT	UNIT	CONTRACT	UNIT	CONTRACT	UNIT	CONTRACT

NO.		UNIT	QTY	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
26	Audio Video Record of Construction Area	LS	1	1,500.00	1,500.00	1,250.00	1,250.00	2,000.00	2,000.00	12,166.40	12,166.40
27	Clearing & Grubbing	LS	1	2,000.00	2,000.00	500.00	500.00	1,000.00	1,000.00	14,062.00	14,062.00
28	Removing Trees 8" - 18"	EA	10	400.00	4,000.00	500.00	5,000.00	500.00	5,000.00	920.72	9,207.20
29	Removing Trees > 18"	EA	4	600.00	2,400.00	800.00	3,200.00	800.00	3,200.00	1,354.00	5,416.00
30	8" Ductile Iron, Class 54 Water Main w/ Polywrap Trench Detail "F"	LF	34	61.00	2,074.00	29.50	1,003.00	44.00	1,496.00	50.91	1,730.94
31	8" Ductile Iron, Class 54 Water Main w/ Polywrap Trench Detail "G"	LF	41	69.00	2,829.00	42.00	1,722.00	58.00	2,378.00	41.16	1,687.56
32	12" Ductile Iron, Class 54 Water Main w/ Polywrap Trench Detail "F"	LF	1145	73.00	83,585.00	58.59	67,085.55	51.00	58,395.00	57.41	65,734.45
33	12" Ductile Iron, Class 54 Water Main w/ Polywrap Trench Detail "G"	LF	1452	81.00	117,612.00	71.09	103,222.68	64.00	92,928.00	47.66	69,202.32
34	Boring (For 12" Ductile Iron Water Main Pipe)	LF	515	120.00	61,800.00	150.00	77,250.00	185.00	95,275.00	51.99	26,774.85
35	20" O.D. Steel Casing (.375" Min. Wall)	LF	335	40.00	13,400.00	65.00	21,775.00	25.00	8,375.00	99.65	33,382.75
36	6 " Standard Hydrant & Valve Box	EA	7	2,600.00	18,200.00	2,220.00	15,540.00	2,000.00	14,000.00	2,085.16	14,596.12
37	8" Gate Valve in Well	EA	1	2,600.00	2,600.00	2,550.00	2,550.00	2,400.00	2,400.00	2,355.96	2,355.96
38	12" Gate Valve in Well	EA	6	3,100.00	18,600.00	2,890.00	17,340.00	2,700.00	16,200.00	2,870.48	17,222.88
39	16" x 8" Tapping Sleeve & Well	EA	1	5,000.00	5,000.00	6,560.00	6,560.00	6,700.00	6,700.00	6,174.24	6,174.24
40	16" x 12" Tapping Sleeve & Well	EA	3	5,900.00	17,700.00	7,650.00	22,950.00	7,700.00	23,100.00	6,390.88	19,172.64
41	2" Temporary Blowoff	EA	10	200.00	2,000.00	300.00	3,000.00	150.00	1,500.00	509.10	5,091.00
42	Remove Hydrant	EA	5	600.00	3,000.00	300.00	1,500.00	500.00	2,500.00	920.72	4,603.60
43	Remove Gate Valve & Well	EA	3	800.00	2,400.00	400.00	1,200.00	400.00	1,200.00	947.80	2,843.40
44	Abandon Gate Valve & Well	EA	4	600.00	2,400.00	400.00	1,600.00	350.00	1,400.00	839.48	3,357.92
45	Cut & Cap Existing Water Main	EA	9	1,000.00	9,000.00	400.00	3,600.00	250.00	2,250.00	1,570.64	14,135.76
46	Connect Water Main	EA	10	3,000.00	30,000.00	1,750.00	17,500.00	3,000.00	30,000.00	3,737.04	37,370.40
47	18" CSP Culvert – 14 Ga.	LF	37	34.00	1,258.00	25.00	925.00	34.00	1,258.00	31.41	1,162.17
48	18" CSP End Section	EA	2	250.00	500.00	80.00	160.00	225.00	450.00	189.56	379.12
49	18" RCP C-76 CL IV Storm Sewer Trench "B"	LF	71	34.00	2,414.00	45.00	3,195.00	35.00	2,485.00	35.75	2,538.25
50	18" Concrete End Section	EA	2	350.00	700.00	650.00	1,300.00	650.00	1,300.00	563.26	1,126.52
51	Aggregate Base, 21AA - Special	TON	295	16.00	4,720.00	15.00	4,425.00	19.00	5,605.00	17.33	5,112.35
52	500C 20C Bituminous Pavement	TON	5	100.00	500.00	110.00	550.00	150.00	750.00	201.48	1,007.40
53	1100T 20AA Bituminous Pavement	TON	9	100.00	900.00	110.00	990.00	150.00	1,350.00	159.23	1,433.07
54	1100T 36B Bituminous Pavement	TON	185	100.00	18,500.00	85.00	15,725.00	80.00	14,800.00	125.65	23,245.25
55	Concrete Driveway - HE	SY	49	32.00	1,568.00	36.00	1,764.00	36.00	1,764.00	43.33	2,123.17
56	Concrete Roadway - HE	SY	42	38.00	1,596.00	60.00	2,520.00	54.00	2,268.00	57.41	2,411.22
57	Removing Pavement Driveways	SY	1195	5.00	5,975.00	9.00	10,755.00	4.50	5,377.50	4.87	5,819.65
58	Removing Pavement Roadway	SY	49	5.00	245.00	10.00	490.00	5.00	245.00	8.12	397.88
59	Remove & Replace Concrete Sidewalk	SY	1025	27.00	27,675.00	34.00	34,850.00	33.00	33,825.00	34.66	35,526.50
60	Concrete Sidewalk	SY	137	25.00	3,425.00	30.00	4,110.00	30.00	4,110.00	29.25	4,007.25
61	Remove & Reset Mailboxes	LS	1	250.00	250.00	400.00	400.00	1,000.00	1,000.00	2,166.40	2,166.40

LIVERNOIS ROAD (CONT.)				TROELSON EXCAVATING		GIANETTI CONTRACTING		TYGER EXCAVATING		MAGO CONSTRUCTION	
ITEM NO.		UNIT	CONT. QTY	UNIT PRICE	CONTRACT AMOUNT	UNIT PRICE	CONTRACT AMOUNT	UNIT PRICE	CONTRACT AMOUNT	UNIT PRICE	CONTRACT AMOUNT
62	Mailbox Posts	EA	10	50.00	500.00	50.00	500.00	50.00	500.00	216.64	2,166.40

63	Traffic Maintenance Control	LS	1	5,000.00	5,000.00	15,000.00	15,000.00	15,000.00	15,000.00	9,748.80	9,748.80
64	Watering Sod	UNIT	350	10.00	3,500.00	50.00	17,500.00	35.00	12,250.00	37.91	13,268.50
65	Mowing Sod	EA	2	1,000.00	2,000.00	500.00	1,000.00	750.00	1,500.00	1,624.80	3,249.60
66	Geotextile Silt Fence for Sediment Control, Staked in Place	LF	3335	2.00	6,670.00	1.00	3,335.00	2.00	6,670.00	2.17	7,236.95
67	Geotextile Fabric Under Catch Basin Covers	EA	2	20.00	40.00	70.00	140.00	50.00	100.00	108.32	216.64
68	Construction Observation (Engineer's Estimate = 30 Days)	CREW DAYS	$680	30.00	20,400.00	55.00	37,400.00	33.00	22,440.00	11.00	7,480.00
TOTAL AMOUNT LIVERNOIS ROAD					$510,436.00		$532,382.23		$506,344.50		$498,111.48

				TROELSON EXCAVATING		GIANETTI CONTRACTING		TYGER EXCAVATING		TYGER EXCAVATING	
CHOPIN - JOHN R											
ITEM NO.		UNIT	CONT. QTY	UNIT PRICE	CONTRACT AMOUNT	UNIT PRICE	CONTRACT AMOUNT	UNIT PRICE	CONTRACT AMOUNT	UNIT PRICE	CONTRACT AMOUNT
69	Audio Video Record of Construction Area	LS	1	1,500.00	1,500.00	1,000.00	1,000.00	2,000.00	2,000.00	12,058.08	12,058.08
70	Clearing & Grubbing	LS	1	1,500.00	1,500.00	500.00	500.00	500.00	500.00	13,574.56	13,574.56
71	6" Ductile Iron, Class 54 Water Main w/ Polywrap Trench Detail "F"	LF	15	48.00	720.00	35.00	525.00	42.00	630.00	48.74	731.10
72	6" Ductile Iron, Class 54 Water Main w/ Polywrap Trench Detail "G"	LF	26	56.00	1,456.00	47.50	1,235.00	56.00	1,456.00	39.00	1,014.00
73	12" Ductile Iron, Class 54 Water Main w/ Polywrap Trench Detail "G"	LF	1960	71.00	139,160.00	61.13	119,814.80	73.00	143,080.00	47.66	93,413.60
74	Boring (For 12" Ductile Iron Water Main Pipe)	LF	40	80.00	3,200.00	50.00	2,000.00	185.00	7,400.00	105.07	4,202.80
75	6 " Standard Hydrant & Valve Box	EA	4	2,600.00	10,400.00	2,220.00	8,880.00	2,000.00	8,000.00	2,085.16	8,340.64
76	12" Gate Valve in Well	EA	6	3,100.00	18,600.00	2,890.00	17,340.00	2,700.00	16,200.00	2,870.48	17,222.88
77	12" x 8" Tapping Sleeve & Well	EA	3	4,300.00	12,900.00	6,240.00	18,720.00	6,600.00	19,800.00	6,499.20	19,497.60
78	2" Temporary Blowoff	EA	9	200.00	1,800.00	300.00	2,700.00	150.00	1,350.00	509.10	4,581.90
79	Remove Hydrant	EA	3	600.00	1,800.00	300.00	900.00	500.00	1,500.00	920.72	2,762.16
80	Remove Gate Valve & Well	EA	6	800.00	4,800.00	400.00	2,400.00	400.00	2,400.00	947.80	5,686.80
81	Cut & Cap Existing Water Main	EA	8	1,000.00	8,000.00	450.00	3,600.00	250.00	2,000.00	1,570.64	12,565.12
82	Connect Water Main	EA	9	3,000.00	27,000.00	1,750.00	15,750.00	3,000.00	27,000.00	4,213.65	37,922.85
83	12" CSP Culvert – 14 Ga.	LF	33	30.00	990.00	25.00	825.00	32.00	1,056.00	29.25	965.25
84	12" CSP End Section	EA	2	125.00	250.00	80.00	160.00	200.00	400.00	178.73	357.46
85	12" RCP C-76 CL IV Storm Sewer Trench "B"	LF	76	30.00	2,280.00	40.00	3,040.00	32.00	2,432.00	33.58	2,552.08
86	12" Concrete End Section	EA	4	125.00	500.00	550.00	2,200.00	575.00	2,300.00	476.61	1,906.44
87	Aggregate Base, 21AA - Special	TON	230	16.00	3,680.00	15.00	3,450.00	18.00	4,140.00	17.33	3,985.90
88	500C 20C Bituminous Pavement	TON	3.5	100.00	350.00	100.00	350.00	150.00	525.00	201.48	705.18
89	1100T 20AA Bituminous Pavement	TON	2	100.00	200.00	110.00	220.00	150.00	300.00	159.23	318.46
90	1100T 36B Bituminous Pavement	TON	11	100.00	1,100.00	100.00	1,100.00	150.00	1,650.00	125.65	1,382.15

				TROELSON EXCAVATING		GIANETTI CONTRACTING		TYGER EXCAVATING		MAGO CONSTRUCTION	
CHOPIN - JOHN R (CONT.)											
ITEM NO.		UNIT	CONT. QTY	UNIT PRICE	CONTRACT AMOUNT	UNIT PRICE	CONTRACT AMOUNT	UNIT PRICE	CONTRACT AMOUNT	UNIT PRICE	CONTRACT AMOUNT
91	Concrete Driveway - HE	SY	148	32.00	4,736.00	36.00	5,328.00	35.00	5,180.00	43.33	6,412.84
92	Concrete Roadway - HE	SY	146	38.00	5,548.00	60.00	8,760.00	53.00	7,738.00	57.41	8,381.86
93	Removing Pavement Driveways	SY	378	5.00	1,890.00	9.00	3,402.00	4.50	1,701.00	4.87	1,840.86
94	Removing Pavement Roadway	SY	401	5.00	2,005.00	10.00	4,010.00	5.00	2,005.00	8.12	3,256.12

95	Remove & Replace Concrete Sidewalk	SY	840	25.00	21,000.00	34.00	28,560.00	33.00	27,720.00	34.66	29,114.40
96	Remove & Reset Mailboxes	LS	1	200.00	200.00	100.00	100.00	500.00	500.00	2,166.40	2,166.40
97	Mailbox Posts	EA	8	50.00	400.00	50.00	400.00	50.00	400.00	216.64	1,733.12
98	Traffic Maintenance Control	LS	1	4,000.00	4,000.00	2,500.00	2,500.00	12,500.00	12,500.00	9,748.80	9,748.80
99	Watering Sod	UNIT	250	10.00	2,500.00	50.00	12,500.00	35.00	8,750.00	46.58	11,645.00
100	Mowing Sod	EA	2	300.00	600.00	300.00	600.00	500.00	1,000.00	1,624.80	3,249.60
101	Geotextile Silt Fence for Sediment Control, Staked in Place	LF	1910	2.00	3,820.00	1.00	1,910.00	2.00	3,820.00	2.17	4,144.70
102	Geotextile Fabric Under Catch Basin Covers	EA	6	20.00	120.00	70.00	420.00	50.00	300.00	108.32	649.92
103	Construction Observation (Engineer's Estimate = 20 Days)	CREW DAYS	$680	20	13,600.00	25	17,000.00	22.00	14,960.00	21.00	14,280.00
TOTAL AMOUNT CHOPIN-JOHN R					$302,605.00		$292,199.80		$332,693.00		$342,370.63

"AS NEEDED"				TROELSON EXCAVATING		GIANETTI CONTRACTING		TYGER EXCAVATING		MAGO CONSTRUCTION	
ITEM NO.		UNIT	CONT. QTY	UNIT PRICE	CONTRACT AMOUNT	UNIT PRICE	CONTRACT AMOUNT	UNIT PRICE	CONTRACT AMOUNT	UNIT PRICE	CONTRACT AMOUNT
104	Sod Replacement "As Required"	SY	350	4.00	1,400.00	6.00	2,100.00	5.75	2,012.50	6.50	2,275.00
105	Weed Control "As Required"	SY	3500	0.50	1,750.00	0.10	350.00	0.50	1,750.00	1.08	3,780.00
106	Sylvax Cold Patch Material "As Needed"	TON	200	75.00	15,000.00	85.00	17,000.00	50.00	10,000.00	71.49	14,298.00
107	6" Ductile Iron, Class 54 Water Main w/ Polywrap Trench Detail "F" - As Needed	LF	25	50.00	1,250.00	40.00	1,000.00	47.00	1,175.00	41.16	1,029.00
108	6" Diameter Sanitary Sewer Lead "As Needed"	LF	100	50.00	5,000.00	30.00	3,000.00	50.00	5,000.00	50.00	5,000.00
TOTAL AMOUNT OF ALL BID ITEMS					**$976,011.00**		**$987,818.63**		**$1,011,198.00**	*	**$1,042,055.09**

ENGINEER'S ESTIMATE $944,571.50

OTHER BIDDERS

* VIL CONSTRUCTION	$1,048,652.50
* MACOMB PIPELINE	$1,123,473.00
TONY ANTHONY	$1,169,465.55
SIX S	$1,196,036.35
* BRICCO EXCAVATING	$1,249,275.00
PAMAR	$1,467,469.50

*Bids corrected by Engineer