



COLUMBIA CENTER
SUITE 200
101 WEST BIG BEAVER ROAD
TROY, MICHIGAN 48084-
248-680-7180
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February 09, 2009

City of Rochester Hills
1000 Rochester Hills Dr
Rochester Hills, MI 48309

Attention: Paul M. Davis, P.E.
City Engineer, Dept. of Public Works

Reference: Austin Avenue Extension & Devondale Road Paving
Rayconnect Facility Access
COST PROPOSAL

Gentlemen:

KIRCO Construction, LLC is providing this updated Cost Proposal to identify the cost necessary to extend Austin Avenue and for the Devondale Road paving. This improvement will allow access to the Rayconnect facility, address being 2350 Austin Drive. The scope of work is provided on Project Documents as produced by Hubbell, Roth & Clark, Inc. (HRC Job 20080251).

KIRCO has solicited and secured numerous bids for the Work; all bids received have been provided to you for your usage and/or review, as required. KIRCO has selected D&R Earthmoving, LLC to perform the site utilities and earthwork (including sheet piling), and Nagle Paving Company to install the aggregate subbase and asphalt. The Cost Proposal is in the 'pay item list' format as was provided to KIRCO (see attached), with the exception that a line item has been added for "KIRCO General Conditions, Overhead & Fee @ 10%" inclusive, as discussed previously. KIRCO exclusions to this Work are: testing, layout & staking, as-built drawings and inspections.

KIRCO is requesting the approval from the City of Rochester Hills to undertake the Work.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read "ARB" followed by a stylized flourish.

Ronald G. Arbogast, Ph.D., P.E.
Project Manager

AUSTIN DRIVE & DEVONDALE AVENUE PAVING - PAY ITEM LIST

KIRCO CONSTRUCTION, L.L.C.

February 09, 2009

Item No.	KIRCO CONSTRUCTION, L.L.C. Description	Units	Total Quantity	Unit Price	Estimated Cost
1	Mobilization	LSUM	1	\$ 24,500.00	\$ 24,500.00
2	Traffic Maintenance & Control	LSUM	1	\$ 8,670.00	\$ 8,670.00
3	Inspection Allowance "Crew Days"	DAYS	55	\$ 360.00	\$ 19,800.00
4	Silt Fence (SP-2)	LF	2,040	\$ 1.15	\$ 2,346.00
5	Inlet Filter Alt. A (SI-3A)	EA	2	\$ 95.00	\$ 190.00
6	Curb & Gutter Inlet Filter Alt. A (SI-4A)	EA	16	\$ 95.00	\$ 1,520.00
7	Stone Filter Berm (SP-5)	EA	5	\$ 285.00	\$ 1,425.00
8	Property Protection Fence	LF	310	\$ 3.40	\$ 1,054.00
9	Maintenance Aggregate	LSUM	1	\$ 2,545.00	\$ 2,545.00
10	30" Storm Sewer, C76 CLIV	LF	446	\$ 66.15	\$ 29,502.90
11	27" Storm Sewer, C76 CLIV	LF	84	\$ 49.78	\$ 4,181.52
12	24" Storm Sewer, C76 CLIV	LF	278	\$ 41.96	\$ 11,664.88
13	21" Storm Sewer, C76 CLIV	LF	27	\$ 41.96	\$ 1,132.92
14	18" Storm Sewer, C76 CLIV	LF	491	\$ 38.05	\$ 18,682.55
15	15" Storm Sewer, C76 CLIV	LF	90	\$ 33.18	\$ 2,986.20
16	12" Storm Sewer, C76 CLIV	LF	334	\$ 27.56	\$ 9,205.04
17	43"x68" Storm Sewer, C76 CLV, Conc. Cradle	LF	8	\$ 332.00	\$ 2,656.00
18	19"x30" Storm Sewer, C76 CLV, Conc. Cradle	LF	80	\$ 139.00	\$ 11,120.00
19	6" Edge Drain	LF	3,355	\$ 9.10	\$ 30,530.50
20	Sanitary Service Lead (if and where needed)	LF	50	\$ 35.30	\$ 1,765.00
21	Water Service Lead (if and where needed)	LF	50	\$ 24.62	\$ 1,231.00
22	Special Structure ST-1	LSUM	1	\$ 32,900.00	\$ 32,900.00
23	Storm Water MTD, CDS4040	EA	1	\$ 43,900.00	\$ 43,900.00
24	Storm Water MTD, CDS4030	EA	1	\$ 37,900.00	\$ 37,900.00
25	6'-0" Dia. Manhole	EA	2	\$ 3,745.00	\$ 7,490.00
26	5'-0" Dia. Manhole	EA	2	\$ 2,650.00	\$ 5,300.00
27	4'-0" Dia. Manhole	EA	3	\$ 1,875.00	\$ 5,625.00
28	5'-0" Dia. Catch Basin w/ 2' Sump	EA	1	\$ 1,875.00	\$ 1,875.00
29	4'-0" Dia. Catch Basin w/ 2' Sump	EA	7	\$ 1,875.00	\$ 13,125.00
30	4'-0" Dia. Catch Basin w/ 3' Sump	EA	1	\$ 1,875.00	\$ 1,875.00
31	2'-0" Dia. Inlet	EA	7	\$ 1,320.00	\$ 9,240.00
32	End Section, 12" Dia. RCP	EA	1	\$ 535.00	\$ 535.00
33	End Section, 18" Dia. RCP	EA	1	\$ 640.00	\$ 640.00
34	End Section, 19"x30" Ellip RCP	EA	1	\$ 2,205.00	\$ 2,205.00
35	7'x6' Precast Conc Box Culvert	LF	74	\$ 507.00	\$ 37,518.00
36	Gabion Wall	CY	73	\$ 427.00	\$ 31,171.00
37	Trench Undercut & Backfill	CY	110	\$ 30.00	\$ 3,300.00
38	Internal Sewer Inspection	LSUM	1	\$ 2,675.00	\$ 2,675.00

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Item No.	Description	Units	Total Quantity	Unit Price	Estimated Cost
39	12" D.I. CL54 Water Main w/ Polywrap, Trench "A"	LF	815	\$ 68.94	\$ 56,186.10
40	12" Gate Valve & Well	EA	2	\$ 3,750.00	\$ 7,500.00
41	Fire Hydrant Assembly, Complete	EA	2	\$ 6,375.00	\$ 12,750.00
42	Relocate Fire Hydrant	EA	1	\$ 1,285.00	\$ 1,285.00
43	Adjust Fire Hydrant	EA	2	\$ 480.00	\$ 960.00
44	12" Water Main Connection to Ex. 12" Water Main	EA	2	\$ 3,100.00	\$ 6,200.00
45	Temporary 2" Blowoff Valve Assembly	EA	1	\$ 535.00	\$ 535.00
46	Temporary Hydro-Stop, 12" Water Main (if needed, including all restoration)	EA	2	\$ 4,820.00	\$ 9,640.00
47	Remove Bituminous Pavement (including curb & gutter)	SY	80	\$ 11.30	\$ 904.00
48	Remove Drive Approach Pavement (all materials)	SF	1,858	\$ 0.45	\$ 836.10
49	Site Clearing & Grubbing (Lump sum per plans)	LSUM	1.0	\$ 12,895.00	\$ 12,895.00
50	Remove Tree, 6" to 18" Dia. (Unit cost for additional work)	EA	0	\$ 225.00	N/A
51	Remove Tree, 19" to 36" Dia. (Unit cost for additional work)	EA	0	\$ 425.00	N/A
52	Remove Tree, Over 36" Dia. (Unit cost for additional work)	EA	0	\$ 625.00	N/A
53	Remove Fence	LF	270	\$ 3.40	\$ 918.00
54	Galv Chain Link Fence, 6' High	LF	188	\$ 26.00	\$ 4,888.00
55	Relocate Mailbox	EA	8	\$ 115.00	\$ 920.00
56	Subgrade Undercutting	CY	650	\$ 25.28	\$ 16,432.00
57	Station Grading	Sta	24.9	\$ 1,470.00	\$ 36,603.00
58	Removal & Disposal of Contaminated Material, Type II (if and where needed)	CY	100	\$ 29.00	\$ 2,900.00
59	Removal & Disposal of Contaminated Material, Type III (if and where needed)	CY	100	\$ 29.00	\$ 2,900.00
60	Drainage Swale	LF	172	\$ 3.40	\$ 584.80
61	Turf Reinforcement Mat	SY	308	\$ 0.95	\$ 292.60
62	Steel Sheet Piling, Permanent Hot Rolled Steel Sheeting	SF	5,700	\$ 38.95	\$ 222,015.00
63	Excavation, Peat	CY	2,500	\$ 12.03	\$ 30,075.00
64	Backfill, Swamp 4G Limestone	CY	2,500	\$ 31.75	\$ 79,375.00
65	Stabilization Geogrid	SY	2,500	\$ 5.65	\$ 14,125.00
66	Reinforcement Geogrid	SY	800	\$ 3.40	\$ 2,720.00
67	Geotextile Separator	SY	1,400	\$ 2.26	\$ 3,164.00
68	Cold Milling HMA Surface, 2"	SY	15	\$ 96.00	\$ 1,440.00
69	Aggregate Base, MDOT 21AA Limestone	TON	4,050	\$ 15.85	\$ 64,192.50
70	Concrete Curb & Gutter, Type B2 Mod.	LF	542	\$ 11.75	\$ 6,368.50
71	Concrete Curb & Gutter, 4" Mountable	LF	2,793	\$ 11.75	\$ 32,817.75
72	Driveway Opening, MDOT Detail M	LF	684	\$ 11.75	\$ 8,037.00
73	Adjust Structure Frame & Cover	EA	8	\$ 385.00	\$ 3,080.00
74	Reconstruct Manhole (if and where needed)	VF	16	\$ 135.00	\$ 2,160.00
75	HMA 2C (Base)	TON	1,655	\$ 53.30	\$ 88,211.50
76	HMA 3C (Leveling)	TON	1,297	\$ 53.30	\$ 69,130.10

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Item No.	Description	Units	Total Quantity	Unit Price	Estimated Cost
77	HMA 4C (Wearing)	TON	868	\$ 61.00	\$ 52,948.00
78	HMA 13A (Wearing)	TON	18	\$ 60.00	\$ 1,080.00
79	Residential Drive Approach, Gravel	SF	1,358	\$ 0.70	\$ 950.60
80	Commercial Drive Approach, Concrete	SF	1,031	\$ 4.25	\$ 4,381.75
81	Commercial Drive Approach, HMA	SF	3,644	\$ 3.05	\$ 11,114.20
82	Gravel Road Restoration	SY	890	\$ 6.25	\$ 5,562.50
83	Permanent Traffic Sign, R1-1 (30" x 30")	EA	3	\$ -	By Rochester Hills
84	Permanent Traffic Sign, R8-3A (24" x 24")	EA	14	\$ -	By Rochester Hills
85	Permanent Traffic Sign, W14-2A (30" x 30")	EA	1	\$ -	By Rochester Hills
86	Permanent Traffic Sign, W14-1 (30" x 30")	EA	1	\$ -	By Rochester Hills
87	Permanent Traffic Sign, R14-1 (24" x 18")	EA	1	\$ -	By Rochester Hills
88	Permanent Traffic Sign, ER-1 (24" x 24") with Red High Intensity Sheeting	EA	1	\$ -	By Rochester Hills
89	Permanent Traffic Sign, W2-4 (30" x 30")	EA	1	\$ -	By Rochester Hills
90	Permanent Traffic Sign, R5-2 (24" x 24")	EA	1	\$ -	By Rochester Hills
91	Permanent Traffic Sign, W1-2 (30" x 30")	EA	1	\$ -	By Rochester Hills
92	Permanent Traffic Sign, W14-1A	EA	1	\$ -	By Rochester Hills
93	Permanent Traffic Sign, Left Arrow (24" x 12")	EA	1	\$ -	By Rochester Hills
94	Permanent Street Name Sign, Austin Dr & Devondale Rd	EA	1	\$ -	By Rochester Hills
95	Pavement Marking, Overlay, Cold Plastic, 18" Stop Bar	FT	48	\$ -	By Rochester Hills
96	Slope Restoration	SY	9,100	\$ 1.24	\$ 11,284.00
97	Wetland Restoration	SY	340	\$ 9.05	\$ 3,077.00
Sub-Total Trades					\$ 1,317,421.51
KIRCO General Conditions, Overhead & Fee			1	10.00%	\$ 131,742.15
TOTAL PROJECT COST					\$ 1,449,163.66

ALTERNATE #1 - Provide Cold Rolled steel Piling in lieu of Hot Rolled

Deduct \$ (61,000.00)