

**CITY OF ROCHESTER HILLS
JOHN R ROAD WIDENING & E. FERRY DRAIN IMPROVEMENTS**

**TABLE 1
ESTIMATED HOURS AND FEES**

July 2, 2007

HRC Job No. 20060118.02

Task Description	Associate/ Project Manager	Rate Classification & Estimated Hours							Total Hours
		Sr. Engineer	Engineer	Sr. Tech.	Technician	Survey Crew	Survey Office	Clerical & Repro.	
<i>Michelson PS</i>									
1. Preliminary Design Plans	80	40		120	40	4	2		286
2. Final Design Plans	40	40		80					160
3. Specifications	16	16						8	40
4. Permits	2	8			2			2	14
5. Coordination & Meetings	8	8							16
6. Reproduction								8	8
SUBTOTALS	146	112	0	200	42	4	2	18	524
<i>Additional Items</i>									
1. Road Reconstruction	20		120	100	40				280
2. Spencer Park Drainage Improvements	4	8	8		16				36
3. RCOC Permit Requirements	16	8	40	40	8	4	2		118
4. Incorporation of Resurfacing Log Job	8		40		16			8	72
5. Staging Plan	16	16	40	40	40				152
6. Storm Water Drain End Treatment	8	40		20					68
7. ADA Requirements	16		40		16				72
8. Additional Utility Coordination	8		40		16				64
SUBTOTALS	96	72	328	200	152	4	2	8	862
PROJECT TOTALS	242	184	328	400	194	8	4	26	1,386

ESTIMATED FEE SUMMARY

PERSONNEL	HOURS	RATE	TOTAL
Associate/ Project Manager	242	\$ 45.00	\$ 10,890.00
Sr. Engineer	184	\$ 40.00	\$ 7,360.00
Engineer	328	\$ 32.00	\$ 10,500.00
Sr. Tech.	400	\$ 27.00	\$ 10,800.00
Technician	194	\$ 22.00	\$ 4,270.00
Survey Crew	8	\$ 60.00	\$ 480.00
Survey Office	4	\$ 28.00	\$ 110.00
Clerical & Repro.	26	\$ 15.00	\$ 390.00
TOTAL DIRECT PAYROLL			\$ 44,800.00
TOTAL INDIRECT PAYROLL (1.9)			\$ 85,100.00
TOTAL ESTIMATED COST			\$ 129,900.00

HRC Breakdown
 Proposal July 10, 2007

		<u>Michelson</u>	<u>Spencer</u>	<u>John R</u>	<u>Pathway</u>	<u>E. Ferry</u>
Project Manager	\$ 45.00	\$ 6,570.00	\$ 180.00	\$ 3,060.00	\$ 720.00	\$ 360.00
Sr. Engineer	\$ 40.00	\$ 4,480.00	\$ 320.00	\$ 960.00		\$ 1,600.00
Engineer	\$ 32.00		\$ 256.00	\$ 8,960.00	\$ 1,280.00	
Sr. Tech	\$ 27.00	\$ 5,400.00		\$ 4,860.00		\$ 540.00
Tech	\$ 22.00	\$ 924.00	\$ 352.00	\$ 2,640.00	\$ 352.00	
Survey	\$ 60.00	\$ 240.00		\$ 240.00		
Survey Office	\$ 28.00	\$ 56.00		\$ 56.00		
Clerk	\$ 15.00	\$ 270.00		\$ 120.00		
		\$ 17,940.00	\$ 1,108.00	\$ 20,896.00	\$ 2,352.00	\$ 2,500.00
Multiplier 2.9		\$ 52,026.00	\$ 3,213.20	\$ 60,598.40	\$ 6,820.80	\$ 7,250.00
\$	129,908.40					