



HUBBELL, ROTH & CLARK, INC
Consulting Engineers

<p>Principals George E. Hubbell Thomas E. Biehl Walter H. Alix Peter T. Roth Michael D. Waring Keith D. McCormack Thomas M. Doran</p> <p>Senior Associates Gary J. Tressel Lawrence R. Ancypa Kenneth A. Melchior Randal L. Ford David P. Wilcox Timothy H. Sullivan</p>	<p>Associates Thomas G. Maxwell Nancy M.D. Faught Jonathan E. Booth Michael C. MacDonald Marvin A. Olane William R. Davis Daniel W. Mitchell Jesse B. VanDeCreek Robert F. DeFrain Marshall J. Grazioli Thomas D. LaCross Dennis J. Benoit James F. Burton Jane M. Graham</p>
---	--

May 4, 2011

City of Rochester Hills
1000 Rochester Hills Drive
Rochester Hills, MI 48309-3033

Attn: Paul Shumejko, P.E., Traffic Engineer

Re: 2011 Bridge Rehabilitation Project
Proposal for Engineering Services

HRC Job No. 20110226.86

Dear Mr. Shumejko:

We are pleased to offer our engineering services to the City of Rochester Hills for the 2011 Bridge Rehabilitation Project. It is noted that Hubbell, Roth & Clark, Inc. (HRC) is pre-approved to provide these services to the City. Our understanding of the project is based on our previous biennial Bridge Inventory Inspections and our April 15th site visit with the City's Mr. Bud Clark.

The scope of the project includes maintenance repairs on the following four (4) vehicular bridges and seven (10) pedestrian bridges that have been numerically formatted to match the bridge inspection reports:

Vehicular Bridges	Pedestrian Bridges
1. Rochdale over Sargent Creek	3. Adams over Clinton River
2. Shagbark over Sargent Creek	4. Hamlin over Clinton River
3. Butler over Galloway Creek	5. Clinton River Trail over Clinton River
4. King's Cove over Paint Creek	6. Avon over Clinton River
	7. Clinton River Trail over Clinton River
	8. Clinton River Trail over Clinton River
	9. Avon over Wetlands
	11. Paint Creek Trail over Paint Creek
	12. Paint Creek Trail over Paint Creek
	13. Paint Creek Trail over Paint Creek

Our scope of services would include providing all necessary design information to rehabilitate the bridges in accordance with the October 28, 2008 Pedestrian Bridge Report and the January 7, 2011 Vehicular Bridge Report. Our design services would be limited to the technical design information and the City would complete the contract document as necessary to provide a comprehensive construction bid package. We would propose to provide the design in a series of 15-18 Plan Sheets that would include cover sheet, bridge location map, photos, design details, pay items, general notes and specifications. An Engineer's Opinion of Probable Construction Cost would also be provided. It is our intent to provide the City a flexible design package that would allow items to be readily removed from the bid package if necessary

Y:\201102\20110226\Proposa\Corrs\01lr_revised.docx

555 Hulet Drive, PO Box 824
Bloomfield Hills, Michigan 48303-0824
Telephone 248 454 6300 **Fax** 248 454 6312
www.hrc-engr.com

Engineering. Environment. Excellence.



to best match available funding. The potentially removed items could be "shelved" for a future bid package and/or completed by City maintenance personnel as warranted.

Listed on Table 1 is a breakdown of the proposed project tasks, including estimated hours and associated fees. As shown, our proposed fee would be for a not to exceed without prior authorization the amount of \$43,160.00 that would be invoiced monthly as the work proceeds in accordance with our existing contract. All work would be complete within twelve (12) weeks following your authorization to proceed. Final deliverables would include four (4) full size hard copies and a digital version of the Plans.

Should you concur with this proposal, please sign below to serve as our authorization to proceed. Thank you again for considering us and we look forward to our continued service to Rochester Hills. If you have any questions or require any additional information, please contact the undersigned.

Very truly yours,

HUBBELL, ROTH & CLARK, INC.

Walter H. Alix, P.E., P.S.
Vice President

Daniel W. Mitchell, P.E.
Associate

pc: HRC; F. Schreiber, R. Nacey, File

Recommended by:
CITY OF ROCHESTER HILLS

Paul Shumejko, P.E., Traffic Engineer

Date: _____

Approved by:
CITY OF ROCHESTER HILLS

Bryan K. Barnett, Mayor

Date: _____

**CITY OF ROCHESTER HILLS
2011 BRIDGE REHABILITATION PROJECT**

**TABLE 1
ESTIMATED HOURS AND FEES**

May 4, 2011

HRC Job No. 20110226.86

Task Description	Associate/ Project Manager	Rate Classification & Estimated Hours				Total Hours
		Sr. Engineer	Sr. Technician	Technician	Clerical & Repro.	
<i>Pedestrian Bridges</i>						
1 Location Plan and Details		40	40	40		120
2 Pay Items and Specifications	1	16	16	16	2	51
3 Specialty Items (load rating, splice connections & site investigation)	4	40	24			68
4 Opinion of Probable Construction Cost	1	8			1	10
5 Meetings and Coordination	4	4			1	9
SUBTOTALS	10	108	80	56	4	258
<i>Vehicular Bridges</i>						
1 Location Plan and Details		40	20	20		80
2 Pay Items and Specifications	1	16	10	10	2	39
3 Traffic Control/Constructability	2	16	2			20
4 Opinion of Probable Construction Cost	1	4			1	6
5 Meetings and Coordination	2	4			1	7
SUBTOTALS	6	80	32	30	4	152
PROJECT TOTALS	16	188	112	86	8	410

ESTIMATED FEE SUMMARY

PERSONNEL	HOURS	RATE	TOTAL
Associate/ Project Manager	16	\$ 48.00	\$ 770.00
Sr. Engineer	188	\$ 45.00	\$ 8,460.00
Sr. Technician	112	\$ 30.00	\$ 3,360.00
Technician	86	\$ 25.00	\$ 2,150.00
Clerical & Repro.	8	\$ 18.00	\$ 140.00
TOTAL DIRECT PAYROLL			\$ 14,880.00
TOTAL INDIRECT PAYROLL (1.9)			\$ 28,280.00
TOTAL LUMP SUM NOT-TO-EXCEED			\$ 43,160.00