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April 8, 2008

City of Rochester Hills
1000 Rochester Hills Drive
Rochester Hills, Michigan 48309

Attention: Mr. Paul Davis, P.E., City Engineer
Mr. Dan Casey, Economic Development Manager

Re: Austin Drive Extension
Proposal for Early Preliminary Engineering (EPE) Services

HRC Job No. 20080251.86

Dear Messieurs:

Thank you for considering Hubbell, Roth and Clark, Inc. (HRC) to provide Early Preliminary Engineering (EPE) design services for the extension of Austin Drive. Our scope of work is based on our April 2, 2008 meeting and subsequent discussions. As discussed, several project details that would have a significant bearing on design engineering services are not well defined at this time. These would include the intersection configuration, right-of-way needs, environmental impacts and the source of project funding. As a result, it is felt that this project warrants an EPE. The following details our proposed services:

Project Description – The existing Austin Drive will be extended westerly to intersect with Devondale Road. Devondale Road would also be improved from the new intersection north to its terminus. The improvements to these roads would include a storm water collection system and the installation of a new 8-inch watermain along Austin Drive for looping purposes.

EPE – Under this task HRC will complete a topographic survey along the proposed route of the Project. Prior to the survey, it is proposed that the City independently arrange for wetland flagging and subsurface soil investigation through the existing contracts with Applied Science & Technology, Inc. and Schleede-Hampton Associates, Inc. This will allow the locations of these features to be included in the survey. The survey will also include existing property lines, utilities, recorded easements, large trees, Drains and other features within approximately 50' of the proposed centerline of the improvements.

Once complete, HRC will utilize this information to complete a preliminary design of the Project. This design would include a preliminary horizontal alignment, proposed roadway cross section, impact to existing and proposed utilities, evaluation of Drain crossing, drainage evaluation and the determination of right-of-way (ROW) needs. In addition, alternative designs of the new Austin Drive and Devondale Road intersection (i.e. cul-de-sac, roundabout, or signage) and the terminus of the north end of Devondale (i.e. cul-de-sac or turn-around tee) will be included.

Schedule and Cost – Upon authorization to proceed with these services and the completion of the wet land boundary marking and subsurface investigation, HRC will complete the EPE in 6 weeks. Listed on Table 1 is a breakdown of the proposed project tasks, including the estimated hours and associated fees to complete the EPE. As shown, the total engineering fees are \$32,430.00. This cost is to be invoiced on a time basis in accordance with our current contract and will not be exceeded without prior authorization.

Once the EPE is complete the City will have base plans that allow for final project scoping including more detailed cost estimates. This will also provide the City the opportunity to evaluate the potential to utilize grant funds that may be available to complete this Project. Currently it is our understanding that the City has estimated a total Project cost of \$1.4 million to \$1.6 million plus ROW acquisition fees. Completion of the EPE will allow this estimate to be better defined, including potential ROW needs. Additionally, it is noted that the EPE does not correspond with direct additional engineering services. Rather, the base plans would be utilized for final design preparation. It is felt that this project phasing will provide the City the most cost-effective means to complete this project.

As you're aware, HRC has the ability to provide complete engineering services through the design and construction process once a scope of final scope of the Project has been identified. Under separate proposal HRC will identify these design services, including right-of-way acquisition as warranted to meet the needs of the Project. This proposal would be provided near the completion of the EPE, thereby providing the City time to review and approve these services and continue with Project development and avoiding any potential delays. For the purposes of this proposal, a preliminary Project schedule is included as Figure 1.

We thank you for your consideration of HRC and your request for our proposal and hope that the information provided meets the City's desires. We look forward to working with the City again and will be happy to meet with you at your convenience to discuss this project.

Very truly yours,

HUBBELL, ROTH & CLARK, INC.

Daniel W. Mitchell, P.E.
Associate

DWM/dwm
Attachment
pc: HRC; W. Alix, J. Surhigh, File

CITY OF ROCHESTER HILLS
AUSTIN DRIVE EXTENSION PROJECT

TABLE 1
ESTIMATED HOURS AND FEES

April 8, 2008

HRC Job No.

20050147

Task Description	Rate Classification & Estimated Hours							Clerical & Repr.	Total Hours
	Associate/ Project Manager	Sr. Engineer	Engineer	Sr. Tech.	Technician	Survey Crew	Survey Office		
EARLY PRELIMINARY ENGINEERING									
1 Topographical Survey	2			24		40	16		82
2 Base Plans	16	12	12		100				140
3 Alternative Analysis	16	16			40				72
4 Meetings/Coordination (4)	8	16						2	26
SUBTOTALS	42	44	12	24	140	40	16	2	320
PRELIMINARY ENGINEERING									
1 Draft Plans (75%)									
Austin Drive Extension									
Devondale Road Improvements									
Intersection & Terminus									
2 Final Owner Review Plans (90%)									
3 Final Plans									
4 Technical Specifications									
5 Bidding Process									
6 Meetings/Coordination (4)									
5 Reproduction									
SUBTOTALS									
PROJECT TOTALS	42	44	12	24	140	40	16	2	320

ESTIMATED FEE SUMMARY

PERSONNEL	HOURS	RATE	TOTAL
Associate/ Project Manager	42	\$ 46.00	\$ 1,932.00
Sr. Engineer	44	\$ 40.00	\$ 1,760.00
Engineer	12	\$ 32.00	\$ 384.00
Sr. Tech.	24	\$ 30.00	\$ 720.00
Technician	140	\$ 24.00	\$ 3,360.00
Survey Crew	40	\$ 63.00	\$ 2,520.00
Survey Office	16	\$ 29.00	\$ 464.00
Clerical & Repr.	2	\$ 20.00	\$ 40.00
TOTAL DIRECT PAYROLL			\$ 11,180.00
TOTAL INDIRECT PAYROLL (1.9)			\$ 21,250.00
TOTAL ESTIMATED COST			\$ 32,430.00

Rochester Hills Austin Drive Extension

HRC Job No. 20080251



TASK NAME/DESCRIPTION	2008											
	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.			
Authorization to Begin Work		◆										
Soil Investigation & Wetland Flagging (by others)												
EARLY PRELIMINARY ENGINEERING												
Topographical Survey												
Base Plans												
Alternative Analysis												
Meetings/Coordination		◆	◆	◆								
PRELIMINARY ENGINEERING												
City Review & Approval of Engineering Services Proposal												
75% Draft Plans (Austin Dr., Devondale Rd., Intersection & Terminus)												
Owner Review												
Final Owner Review Plans (90%)												
Owner Review												
Final Plans & Technical Specifications												