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April 17, 2007

City of Rochester Hills
1000 Rochester Hills Dr.
Rochester Hills, Michigan 48309-3033

Attention: Mr. Paul Shumejko, P.E.
Traffic Engineer

Re: Shadow Woods Sub Roadway Reconstruction Project
Proposal to Provide Engineering/Surveying Services

HRC Job No. 20070248

Dear Mr. Shumejko:

We are pleased to offer our services for the subject project. It is noted that Hubbell, Roth & Clark, Inc. (HRC) has been pre-approved to provide Engineering Services in accordance with our September 2005 proposal. Based on our previous meetings, it is our understanding that a “log-job” format for construction plans, utilizing the City’s Geographical Information System (GIS), has been prepared by City staff to rehabilitate the existing roadways in the Shadow Woods Subdivision. Construction will begin in late May and be complete by October 2007. The City is requesting various assistance of HRC on an as-needed basis through the construction process that includes the following three (3) tasks:

Construction Staking – HRC will provide off-set stakes at approximately 25’ intervals along both sides of Powderhorn Ridge Road to identify the existing top of curb elevation/location. These stakes will provide documentation to replace curbing as-needed for this portion of the project. We estimate approximately 2.5 days for a 3-man survey crew to initially stake the entire 2,800 feet length of roadway. However, for the purposes of this proposal we would recommend budgeting 5 days in order for re-staking due to contractor’s disturbance of initial stakes and final checking that is commonly required.

Not-to-exceed cost = \$7,200.00

Field Design Services – HRC will provide various engineering/survey services to assist the City with potential local drainage improvements and/or the optional improvements that are schematically shown on the plans at the intersection of Powderhorn Court. For this task we recommend budgeting 16 hours of engineering and 8 hours of a 3-man survey crew.

Not-to-exceed cost = \$3,300.00

Observation Services – HRC will supplement the primary City Inspector with additional observation staff as warranted. It is anticipated that the City will provide 3-5 days notice as to when these services will be required and that the observer will be required for a minimum of 3 consecutive days. As requested, we are budgeting 300 hours of observation staff time.

Not-to-exceed cost = \$17,400.00

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In accordance with our contract, it is proposed that this work be invoiced monthly as the work proceeds on a time basis with a multiplier of 2.9 times direct payroll. The total cost that will not be exceeded without prior authorization is \$27,900.00. Attached in Table 1 is a breakdown of the estimated hours and fees.

We hope this Proposal meets with your approval. 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.

Daniel W. Mitchell, P.E.
Associate

DWM/dwm
Attachment
pc: HRC; W. Alix, D. Wilcox, File