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January 17, 2005

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

Attention: Mr. Paul Davis, P.E. – City Engineer

Re: Tienken Road Bridge

HRC Job No. 20020367

Dear Mr. Davis:

As discussed, HRC has completed a number of tasks beyond the scope of the original project at the request of the City. In summary, these tasks included the following:

- HRC met with and negotiated the relocation of several major utilities in the area including the SBC fiber optic line, the DTE overhead electrical lines and the City of Rochester water main.
- HRC developed various conceptual plans/elevations for the Kings Cove/Tienken Road intersection in an effort to negotiate the design with the Paint Creek Trailway Commission and Kings Cove Homeowners Association representatives. Several variations involving intersection layout, walkway materials, landscaping, signage and other appurtenances were evaluated. These alternatives were presented during the course of several meetings.
- HRC completed several miscellaneous items such as assisting the City's soil boring consultant with obtaining an RCOC Permit, completing a grant funding application for potential State Funding and alterations to the design plans to incorporate a wider bridge deck than what was originally determined.

It is estimated that over 200 hours of additional time was necessary to complete these tasks at a cost of approximately \$20,340. Currently, HRC is within approximately \$13,000 of the existing \$159,350.00 contract limit and continues to work from this budget to keep the project going. However, it is anticipated that the additional services described above will result in HRC exceeding the budget prior to project completion.

In addition, it should be noted that if the City opts to utilize State funds to construct this project, that significant changes to the plans and project schedule will be necessary. This is due to the required review and approval process by the Michigan Department of Transportation (MDOT) to obtain these funds

(commonly called the Local Agency Program or LAP). LAP requirements identify specific guidelines that would impact the design plans and schedule as follows:

**Plans** – It is estimated that HRC must add approximately twelve (12) new drawings in order to meet the format necessary for an MDOT plan review and submittal. These changes are primarily a result of additional details and a separation of the project into a series of predetermined bid items that match the format of MDOT's MERL (Michigan Engineer's Resource Library) computer program that is utilized to administer construction of all MDOT projects. The MDOT review and approval process includes a series of submittals that are known as a Type, Size and Location (T, S & L) submittal (15% complete) and a Grade Inspection (G.I.) submittal (90% complete).

**Schedule** – A copy of the FY 2005 Project Planning Guide is attached. As shown, the next available TS&L deadline is February 4, 2005 and results in a September 6, 2005 Ad Board Meeting (contract award date). It is noted that each phase of the MDOT schedule must be completed by the specified date or the project is automatically delayed until the next schedule (i.e. if ROW is not complete by the 05/27/05 date, then the project is moved to the next schedule which requires ROW by 07/01/05 and corresponds to a 10/04/05 Ad Board meeting).

More detailed information regarding this program can be found on the MDOT website. However, since it is our understanding that the City would like to complete this project during the summer months in order to minimize the impact resulting from school traffic, it appears that State funding would delay project construction until the summer of 2006.

HRC has determined the project needs and requirements for additional Right-of-Way (ROW) and easement acquisition. These services will need to be completed in the near future. HRC has in-house staff that are available to complete this work and we would be pleased to offer these services to the City if requested. Mr. James Isaacs heads this department for HRC and would lead this effort. A copy of his resume is attached for your reference. It is anticipated that ROW from four (4) parcels will be required. HRC would work to obtain these easements and provide the necessary survey documentation. It is noted that should State Funding be utilized, an outside appraisal would also be required.

Another item HRC has been asked to evaluate is the potential relocation of the existing pedestrian bridge. Initially, at the request of the City, HRC evaluated relocating the bridge to the north side of the proposed bridge as part of the project. HRC determined that this was not feasible. It is now our understanding that the City may request a study to evaluate two (2) remote locations.

In an effort to provide the City costs associated with the completed and proposed additional work, a table of additional manhours and costs associated with each task is attached (Table 1).

We continue working along the original scope of work. However, many of these items need to be addressed in short order to continue moving forward with the project. We await your direction on how to proceed. If you have any questions or require any additional information, please contact the undersigned.

Mr. Davis  
3/24/2005  
HRC Job No. 20020367  
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Very truly yours,

HUBBELL, ROTH & CLARK, INC.

Daniel W. Mitchell, P.E.  
Associate

DWM/dm  
Attachment  
pc: Rochester Hills; P. Schumejko  
HRC; W. Alix, N. Faught, F. Navarre, File