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October 31, 2023

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

Attn: Ken Elwert, CPRE – Director of Parks and Forestry

Re: Innovation Hills – Pedestrian Cable Bridge  
Proposed Construction Engineering Services

HRC Job No. 20210875

Dear Mr. Elwert:

As requested, we are pleased to offer this proposal for Construction Engineering Services for the Innovation Hills Pedestrian Cable Bridge project. Our proposed services are based on our understanding of the project and awarding a construction contract to Z Contractors in the amount of \$2,844,050.00. All tasks proposed will be completed under the terms and conditions of our existing Agreement for Professional Engineering Services.

The following identifies our proposed Construction Engineering Services and estimated hours/fees:

Contract Administration – HRC proposes to provide contract administration services including attendance at progress meetings, site visits, review and recommendations of construction pay estimates, review of contractor's construction progress for compliance with the approved project schedule, addressing questions/clarifications regarding the bridge design, and oversight of all other HRC observation tasks/staff throughout the project.

480 Hours @ \$150/Hour = \$72,000.00

Survey Layout/Staking – HRC proposes to bring survey control to the project site, which will establish the horizontal and vertical datum necessary for the contractor to construct the facilities. Processing of survey information necessary to provide the survey crew the control will be completed by office personnel.

20 Hours @ \$100/Hour = \$2,000.00

Shop Drawing Review – HRC proposes to review all necessary submittals for conformance with the plans and specifications. This includes shop drawings of bridge stairways, tower structures and steel reinforcement of the concrete foundation. HRC will also review other product data submittals as necessary.

200 Hours @ \$150/Hour = \$30,000.00

Observation – HRC proposes to provide construction representatives and observers to witness the construction project on a daily basis. Observers will complete daily field reports documenting pay item quantities and general progress for the day. Documentation verifying compliance with the project specifications and plans will also be provided. HRC observation staff will provide daily phone calls to the project engineer and regular communication with City staff as necessary to continually keep all project staff aware of the construction status. Although we have not received the contractor's final schedule, it is our understanding that a 40 hour/week schedule for a 20-week duration is appropriate.

800 Hours @ \$100/Hour = \$80,000.00

Construction Testing – HRC proposes to coordinate any necessary construction testing services with the City's geotechnical engineer (TEC). While it is our understanding that TEC will perform all QA/QC testing associated with concrete, hot mix asphalt (HMA) and aggregate subbase, they do not have the capability to provide testing of the steel structures. As a result, HRC is proposing to utilize SME as a sub-consultant to provide these services. For the purposes of this task, HRC will be providing management and oversight of construction testing.

100 Hours @ \$150/Hour = \$15,000.00  
+ SME Steel Testing Allowance = \$50,000.00

As shown, HRC is proposing a fee of \$199,000.00 plus \$50,000.00 allowance for sub-consultant services for a total construction engineering fee of \$249,000.00 which would not be exceeded without prior authorization. We are able to begin immediately upon authorization to proceed.

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.  
President

DWM/dwm

pc: HRC; R. Nacey, File  
Rochester Hills; L. Cummins

Recommended by:  
CITY OF ROCHESTER HILLS

\_\_\_\_\_  
Ken Elwert, Parks and Forestry Director

Date: \_\_\_\_\_

Approved by:  
CITY OF ROCHESTER HILLS

\_\_\_\_\_  
Bryan K. Barnett, Mayor

Date: \_\_\_\_\_