



HUBBELL, ROTH & CLARK, INC
CONSULTING ENGINEERS SINCE 1915

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August 9, 2017

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

Attn: Allan E. Schneck, P.E.
Public Services Director

Re: Hamlin Road Rehabilitation
West City Limits to 500' east of Adams Road
Proposal for Design Engineering Services

HRC Job No. 20170688

Dear Mr. Schneck:

We are pleased to offer this proposal to perform design engineering services for the Hamlin Road Rehabilitation. Our understanding of the work involved is based on conversations held with your office and information provided including construction cost estimates and summaries of the anticipated scope of work.

We propose to complete this work in accordance with our existing Engineering Service Agreement and the following project specific information.

Project Description:

The City and RCOC have agreed to rehabilitate this segment of roadway, currently under RCOC jurisdiction. Upon completion of the proposed improvements, the project will be turned over to the City's jurisdiction. Hamlin Road is to be rehabilitated, including the removal and replacement of the existing concrete pavement and concrete curb and gutter. The project limits are from the west City Limits to approximately 500 feet east of Adams to include the first turnaround east of the intersection. Some segments of existing roadway may remain with minor repairs based on the current condition, but the majority of the roadway will be reconstructed in place. HRC has estimated the project length at approximately one-mile with an anticipated construction cost of approximately \$4.2M, not including construction engineering. The project involves:

- Remove and replace concrete roadway and curb and gutter with complete plan and profiles for the new roadway alignment
- ADA Improvements and detailed grading plans
- Lighting modifications and coordination with DTE
- Structure adjustment and reconstructions as required
- Minor drainage modifications including new catch basins and lateral sewers as required utilizing existing drainage outlets.
- Miscellaneous repairs to the existing pathway facilities
- Reconstruction of side streets and approaches within the ROW.
- Permitting through RCOC and MDOT
- Signal improvements limited to ADA / pedestrian upgrades and staging if required. New modernized signals are not anticipated.
- The project will include provisions to account for and address impacts to the existing irrigation and lighting, but the design of new systems are not anticipated

at this time.

Geotechnical investigation and soil borings will be provided through the City and HRC will coordinate their efforts and review all findings.

Scope of Services:

Topographic Survey:

HRC will perform the topographic survey. General limits are:

- Hamlin Road: ROW limits (approx. 150') from 300' west of the City Limits to 800' east of Adams, including all cross-overs and media features. An additional 10-15' will be surveyed at drive approaches beyond the existing pathway to ensure the pathway meets ADA guidelines. Survey will also include 300' north and south along Adams Road.
- Survey all utility structures including ATT, watermain, sanitary and storm sewers. This includes collecting invert and condition information at all watermain, sanitary and storm manholes.
- Survey and tag trees in accordance with the City's requirements.

Design Documents:

Documents will be prepared for a bid opening in the spring of 2018 to ensure the project will be constructed and completed in 2018. HRC anticipates an April local letting with an award and construction start date in May 2018. Full design of the scope of work will be done in phases to provide adequate review time for the City.

Utility coordination:

HRC will request utility data from the companies, including municipal utilities, in the project area and add the necessary line work in plan and profile to the plans. HRC will include additional depth information to be provided by the respective utility companies and will schedule and attend meetings to coordinate any existing information and to assist with the relocation of any required facilities. HRC anticipates up to two utility meetings and coordination with overhead facilities, RCOC traffic signals, underground gas and fiber/telephone as well as municipal facilities. This will include coordination with DTE lighting in order to upgrade or replace existing street lights, owned by DTE. HRC has assumed that municipal facilities will not require relocation and has not included design and permitting of these facilities in this scope of work.

For clarity, the following items that are not included in our proposal:

- New street lighting design
- HRC design of new irrigation, lighting facilities or specialty signs.
- New traffic signal design
- Sanitary sewer or watermain design
- HRC assumes the existing drainage outlets are adequate and new trunkline / outlet sewers will not be required.



Allan Schneck
August 9, 2017
HRC Job Number 20170587
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Mr. Andrew Malczewski will serve as the overall Project Manager for the Hamlin Road Project due to his experience working with comparable roadway projects and familiarity with City of Rochester Hills staff and the City's expectations. Charles Hart will provide project oversight, staffing coordination, and communication as required to ensure a successful project.

HRC is ready to begin this job immediately and be prepared for construction to be completed in the Fall of 2018. HRC is proposing to complete this work for \$286,580.32, which is a not to exceed price to be billed on a time and material basis. Please see the attached spreadsheet for more detailed information about our costs.

If you have any questions or require any additional information, please contact the undersigned.

Very truly yours,

HUBBELL, ROTH & CLARK, INC.

Charles E. Hart, P.E.
Vice-President

Attachment
cc: D. Mitchell

Recommended by:
CITY OF ROCHESTER HILLS

Allan E. Schneck, P.E., DPS Director

Date: _____

Approved by:
CITY OF ROCHESTER HILLS

Bryan K. Barnett, Mayor

Date: _____

City of Rochester Hills
Hamlin Road Rehabilitation
Design Engineering Services Hours and Costs
August 9, 2017



Tasks	Partner /Proj Oversight	Designer/ Proj Manager	Project Engineer	Graduate Engineer	Sr. Cadd Tech.	Dept. Manager	Survey Office Super.	Survey Sr. Party Chief	Survey Party Chief	Total Hours
Meetings & Coordination	16	24	16		6					62
Topographic Survey & Property Lines		1	1		40	12	40	180	180	454
Horizontal & Vertical Alignment	16	40	80	60	80					276
Sidewalk & ADA Improvements	2	8	12	36	50					108
Preliminary Plan Development & Permitting	20	100	200	180	180					680
Pavt Markings & Signs		2	24	40	50					116
Utility & DTE Lighting Coordination	6	12	16	24	50					108
MOT Plans, Signal Staging, Special Provision	8	24	80	80	100					292
Specifications and Engineer's Estimate of Construction	4	24	40	50	24					142
Final Plan Development	16	60	130	120	150					476
Specifications and Engineer's Estimate of Construction	10	20	24	40	8					102
QA/QC	24		16							40
Bidding Assistance	2	24	16	16	16					74
	124	339	655	646	754	12	40	180	180	2930

Hourly Rate	\$ 47.50	\$ 42.50	\$ 32.50	\$ 27.50	\$ 34.20	\$ 43.00	\$ 42.10	\$ 36.60	\$ 27.20	
	\$ 5,890.00	\$ 14,407.50	\$ 21,287.50	\$ 17,765.00	\$ 25,786.80	\$ 516.00	\$ 1,684.00	\$ 6,588.00	\$ 4,896.00	
										Total Labor Cost \$ 98,820.80
										2.9 Multiplier \$286,580.32
										Total HRC Costs \$286,580.32

Notes:

HRC has included time to coordinate with City's Geotechnical Consultant for Soil Borings, Pavement Cores and Report