



March 12, 2026

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

Attn: Ms. Tracey A. Balint, P.E.  
Interim Department of Public Services Director/City Engineer

Re: Rochester Road Water Main Replacement  
Proposal for Phase 2 Design Engineering Services

HRC Job No. 20250562

Dear Ms. Balint:

We are pleased to offer this proposal to perform Phase 2 of design engineering services for the Rochester Road/M-150 Water Main Replacement Project. This work was requested via e-mails from Angela Hysinger (dated 3/10/26) and previously discussed in meetings with the City of Rochester Hills. The City previously authorized HRC to begin work on Phase 1 of the design in October 2025, and this proposal is for taking the design to completion. HRC will complete this work in accordance with our existing Engineering Service Agreement and the following project specific information.

**Project Description:**

MDOT plans to resurface M-150/Rochester Rd. in 2027 from Michelson Rd. (just south of the M-59 interchange) to Avon Rd. and reconstruct M-150/Rochester Rd. in 2028 from Avon Rd. to Tienken Rd. In coordination with the proposed MDOT work, the City desires to replace a one-mile stretch of the existing 16-inch diameter pre-stressed concrete cylinder pipe (PCCP) water main installed in 1971 along the west side of Rochester Rd. between Hamlin Rd. and Avon Rd. The City would prefer that the water main be relocated to the greenbelt and not located under roadway pavement wherever possible. Furthermore, PCCP water main regionally has shown degradation and at over 50 years old, replacing the main is a prudent step in asset management and continues the City's proactive and strategic approach to water system maintenance.

MDOT's current project schedule includes work in this one-mile area, Rochester Rd. from Hamlin Rd. to Avon Rd., during the 2027 construction year. Therefore, the City would like to have the water main designed in 2026, with finalized plans included in the MDOT bid package so that the water main replacement will be included in MDOT's project contract. Depending on the watermain replacement options and site conditions, HRC estimates the construction cost for the water main portion of the project could be approximately \$3.55M.

The anticipated project scope includes replacing approximately 5,200 LFT of 16-inch diameter watermain along Rochester Road from Hamlin Rd. to Avon Rd. The project tasks have been split into phases to accommodate City budget.

Phase 1 services detailed in the previously accepted Phase 1 Proposal (dated 10/03/2025) which included the following, have been completed and Phase 2 work is ready to commence;

- Reviewing existing topographic surveys completed by MDOT consultants for the road project.
- Performing supplemental topographic surveys as deemed necessary and obtaining structure drop information for the water main work.
- Evaluating water main installation methods and alignment options to provide recommendations for watermain replacement.
- Providing a basis of design report to document the decisions made during the evaluation.
- Beginning base plan development and coordination with MDOT consultant for the road project.
- Conducting preliminary utility coordination.
- Determination of potential easement acquisition

## **Phase 2 Scope of Services:**

Phase 2 services include the continued development of the design drawings, construction specification and special provisions, utility coordination and other miscellaneous design elements as described below:

### Design Documents:

Documents will be prepared for a bid opening in early 2027 for the project to be constructed and completed in 2027. HRC anticipates a November 2026 local bid letting through MDOT with construction starting in April 2027. HRC proposes the following schedule, which will be finalized after authorization:

- Phase 2 Authorization: March 2026
- Base Plans, Prelim Cost Estimate & Business / Resident Coordination Meeting: April 2026
- Prepare & Submit Preliminary Plans & Special Provisions (SPs) May 22<sup>nd</sup>, 2026
- Prepare & Submit Final Project Coordination Plans (FPC): June 5<sup>th</sup>, 2026
- Final FPC Meeting: July 3<sup>rd</sup>, 2026
- Omissions/Error Check (OEC) Review: August 14<sup>th</sup>, 2026
- Prepare & Submit Final Plans & SPs to PM: August 28<sup>th</sup>, 2026
- Programmed Letting Date: November 6<sup>th</sup>, 2026

### Miscellaneous Design Elements:

As shown in Attachment A, HRC has included several key tasks throughout the design phase to prepare the overall budget for this proposal. HRC will prepare the plans, specifications, and construction cost estimates for the water main replacement work. This will include removal, plan and profile sheets as required. In addition to the items noted herein and in Attachment A, HRC will also prepare the following plans and design elements:

- Design and details for temporary pavement replacement and other site features impacted by construction of the water main
- Coordination and communication with existing property owners, including meetings to review potential impacts property access during water main construction activities.
- EGLE Act 399 water system permitting
- SESC plans
- Maintenance of Traffic (MOT) plans for water main construction
- Implementation in or conversion to MDOT plan format

### 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 existing information and potential conflicts. 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.

Supplemental geotechnical investigation and soil borings may be needed, depending on what MDOT may have already completed. HRC will coordinate with the City's geotechnical consultant and review all findings. Throughout the design process, we will endeavor to utilize information obtained by MDOT for the road project wherever possible.

For clarity, the following items are not included as part of this Phase 2 proposal:

- Road reconstruction or improvements (as this will be included in the MDOT project by others)
- Design of new irrigation or specialty signs (provisions for protecting/replacing existing irrigation will be included)
- Bidding and award (assumed to be prosecuted through MDOT)
- Right-of-way/Easement Acquisition and

- Construction engineering services for contract administration, observation, survey layout or other construction related services necessary for the completion of the project. If requested, this will require a separate proposal.

Jim Surhigh, P.E., will be HRC's Project Manager for the Rochester Road Water Main Replacement Project based on his experience working with City staff and managing comparable projects. Other key team members include Ray Chartouni, P.E., as a specialist in water distribution system hydraulic modeling and watermain design and construction. Charles Hart, P.E. will provide expertise for coordinating the watermain design with the MDOT project and their consultant. Brad Shepler, P.E. and Dan Mitchell, P.E. will provide project oversight, technical expertise, staffing coordination, and communication as required to ensure a successful project. All HRC staff members listed in this proposal are familiar with this project and have extensive experience with the municipal water systems in the area.

HRC is ready to begin this job immediately and be prepared to complete this work prior to the end of this calendar year, to ensure the design can be completed by October of 2026 and for construction to be completed in 2027. HRC is proposing to complete Phase 2 for a **not to exceed cost of \$164,250**. This will be invoiced on a time and material basis based on approved rates and in accordance with our engineering services contract with the City of Rochester Hills. Please see the attached spreadsheet for more detailed information about the derivation of our costs.

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

Very truly yours,

HUBBELL, ROTH & CLARK, INC.



Bradley W. Shepler, P.E.  
Vice-President



James J. Surhigh, P.E.  
Senior Associate

BWS/BTC  
Attachment

pc: City of Rochester Hills; Angela Hysinger, Lisa Cummins  
HRC; D. Mitchell, C. Hart, B. Clarke, R. Chartouni File

Accepted By: \_\_\_\_\_

Accepted By: \_\_\_\_\_

Signature: \_\_\_\_\_

Signature: \_\_\_\_\_

Written Name: \_\_\_\_\_

Written Name: \_\_\_\_\_

Title: \_\_\_\_\_

Title: \_\_\_\_\_

Dated: \_\_\_\_\_

Dated: \_\_\_\_\_

**ATTACHMENT A**  
**City of Rochester Hills**  
**Hours / Costs for Preliminary Engineering Services - October 11, 2026**  
**Rochester Road Water Main Replacement Phase 2**

Task Description	Principal QA/QC	Sr. Associate PM	Associate or Dept Mgr	Proj Engr	Staff/ Grad Eng	Designer	Survey Office Super	Sr. Party Chief	Inst. Person	Total By Task
Meetings & Preparation, Coordination with MDOT	5	25	15	25	30	15				115
Base Plans, WM Layout and Utility Mapping & Coord		4	6	80	140	158				388
Prepare Permit Applications/Plans	5	4	8	16	75	35				143
Maintenance of Traffic (MOT) / Access Planning & Coord	8		4	25	30	45				112
Prepare Preliminary Plans	8	16	12	40	160	160				396
Prepare Final Plans	8	6	6	20	85	80				205
<b>Total Hours by Classification</b>	34	55	51	206	520	493	0	0	0	1359

	Hours	Hourly Rate*	Direct Cost
Principal	34	\$ 150.00	\$ 5,100.00
Sr. Associate, Project Manager	55	\$ 180.00	\$ 9,900.00
Associate, Dept Manager	51	\$ 140.00	\$ 7,140.00
Project Engineer	206	\$ 125.00	\$ 25,750.00
Staff / Graduate Engineer	520	\$ 110.00	\$ 57,200.00
Designer / Sr. CAD Tech	493	\$ 120.00	\$ 59,160.00
Survey Office Supervisor	0	\$ 145.00	\$ -
Sr. Survey Party Chief	0	\$ 120.00	\$ -
Survey Instrument Person	0	\$ 85.00	\$ -
<b>Sub total</b>	<b>1359</b>	<b>Total HRC Costs</b>	<b>\$ 164,250.00</b>

\* Estimated for project budgeting. Individual rates will be billed in accordance with HRC's contract with the City