

June 30, 2022

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

Attn: Bill Fritz, P.E.
DPS Director

Re: Drexelgate Parkway Pathway & Lane Reconfiguration
Wexford Way to Colony Drive
Proposal for Preliminary Engineering Services (Rev)

HRC Job No. 20210600

Dear Mr. Fritz:

We are pleased to offer this proposal to perform preliminary engineering & design services for the Drexelgate Parkway Pathway and Lane Reconfiguration. Our understanding of the work involved is based on conversations held with your office and our preparation of the successful Transportation Alternatives Program Grant Application. We propose to complete this work in accordance with our existing Engineering Service Agreement and the following project-specific information.

Project Description:

This project includes the reconfiguration of Drexelgate Parkway from Livernois Road to Rochester Road to accommodate a new separate safety path. This will reduce the roadway width by 9 feet to help reduce vehicle speeds. The narrowing of Drexelgate Parkway will necessitate relocating drainage structures to the new curb line and allow room to construct a safe and accessible pathway segment on the north side of the road. The pathway includes constructing approximately 5,100 feet of 10-foot-wide pathway along the north side of Drexelgate Parkway between Wexford Way and Colony Drive. This missing pathway segment contributes to the overall connectivity of the City's pathway network and to the City's goal of having pathway segments constructed adjacent to strategic major roads. Currently, pedestrians must walk within Drexelgate Parkway itself when traversing the City from Wexford Way to Colony Drive, increasing the likelihood of a pedestrian-vehicle incident. The pathway would also provide enhanced residential access to the Clinton River Trailway.

Pedestrian facilities already exist at the intersections of Livernois/Drexelgate and Rochester/Drexelgate, including ADA ramps, pedestrian signals, and pushbuttons. Filling in the Wexford Way and Colony Drive gap will not involve construction in MDOT or the Road Commission for Oakland County's right of way. HRC will prepare plans and specifications for MDOT's bidding process through the Local Agency Programs (LAP).

The anticipated project scope involves:

- Removing pavement along the north side to narrow the Drexelgate pavement from 37 feet to 27 feet (measured from back of curb to back of curb).
- Replacement of concrete curb and gutter removed with the road diet
- Minor modifications to the existing enclosed storm sewer system, including new drainage structures and miscellaneous storm sewer connections to the existing system.
- Review existing reports or videos of the existing sanitary and storm sewers to determine if any repairs should be included with the project (if desired by the City)
- Construct a new 10-foot wide HMA safety path on the north side of the road

Delhi Township
2101 Aurelius Rd.
Suite 2A
Holt, MI 48842
517-694-7760

Detroit
535 Griswold St.
Buhl Building, Ste 1650
Detroit, MI 48226
313-965-3330

Grand Rapids
1925 Breton Road SE
Suite 100
Grand Rapids, MI 49506
616-454-4286

Howell
105 W. Grand River
Howell, MI 48843
517-552-9199

Jackson
401 S. Mechanic St.
Suite B
Jackson, MI 49201
517-292-1295

Kalamazoo
834 King Highway
Suite 107
Kalamazoo, MI 49001
269-665-2005

Lansing
215 S. Washington SQ
Suite D
Lansing, MI 48933
517-292-1488

- Structure adjustment and reconstructions as required
- Concrete repairs along Drexelgate, as needed and based on a field investigation and review of the roadway
- Reconstruction of the north-side drive and side street approaches within the ROW, as required
- Coordination and communication with existing property owners, including meetings to review the overall project, including the maintenance of traffic plans and options
- Prepare National Environmental Protection Agency Documentation (MDOT form 5323) to obtain project environmental clearance
 - A project map identifying environmentally sensitive areas and sites, per MDOT form 5323 requirements.
 - HRC will hire a subconsultant prequalified by the State Historic Preservation Office (SHPO) to prepare the applicable Section 106 review to obtain clearance. An allowance for this is included in HRC's cost proposal.

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:

- Drexelgate Parkway: Full roadway and north ROW limits
- Survey all utility structures including ATT, watermain, sanitary and storm sewers. This includes collecting elevation information at all watermain, sanitary and storm manholes.
- Survey and tag trees (north side only) in accordance with the City's requirements
- Intersections will be surveyed approx. 50 ft beyond the spring points of the radii and driveways will be surveyed approx. 10 ft beyond the ROW.

Design Documents:

Documents will be prepared for a bid opening in early 2023 to ensure the project will be constructed and completed in 2023. HRC anticipates a May 2023 MDOT LAP bid letting with construction starting in June 2023. HRC proposes the following schedule:

- Authorization: July 2022
- Topographic Survey & Utility Mapping Complete: Summer 2022
- Base Plans, Prelim Cost Estimate: October 2022
- Project Listed in Approved TIP/STIP: Summer 2022
- Grade Inspection Package submitted to MDOT: December 2022
- Right of Way Certified & Final Plans to MDOT: February 2023
- Construction Letting Date: May 2023
- Construction Start Date: June 2023
- Construction Completion: Fall 2023

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 roadway and sidewalk work. This will include removal, plan and profile (for pathway) sheets as required. HRC has assumed a new vertical alignment will not be necessary for Drexelgate but design will include a review of any required corrections to improve drainage flow and running slopes along the roadway. We anticipate only minor changes to the horizontal alignment of the roadway, if required. This will include a new pavement striping plan and alignment necessary to accommodate the 9-foot reduction in pavement width. As part of the new pathway, HRC anticipates additional design detail for reconstructing drive approaches to meet ADA guidelines. HRC also anticipates retaining walls to be required in some locations to account for

the existing steep slopes. The existing enclosed storm sewer system will also be modified to account for the new curb location along the north side of Drexelgate. In addition to the items noted herein and in Attachment A, HRC will also prepare the following plans and design elements:

- SESC plans
- Maintenance of Traffic (MOT) plans
- Field review of the existing pavement and recommendation for any concrete repairs along the remaining section of roadway.
- Detailed grading design for ADA sidewalk ramps
- Detailed grading as required for intersections
- Driveway grading and Slope Stake Line (SSL)
- Design of new retaining walls
- Permanent signing & pavement marking plans
- Minor storm sewer improvements (i.e. new catch basins, miscellaneous storm sewer connections, or additional catch basins at low points)
- Review existing reports and televised records of the existing sewers and include any repairs that may require open cuts of the roadway

Utility coordination:

HRC will request utility data from the companies, including municipal utilities, in the project area and show facilities in plan and profile in the plan set. 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, except potential hydrant relocations or adjustments, and has not included design and permitting of these facilities in this scope of work.

For clarity, the following items are not included as part of our proposal:

- Geotechnical investigation
- New roadway alignment design
- New street lighting design
- Design of new irrigation or specialty signs (provisions for protecting/replacing existing irrigation will be included)
- New traffic signal design or upgrades to existing traffic signals
- Sanitary sewer or water main design
- ROW / easement documents and acquisitions
- HRC assumes the existing drainage outlets are adequate and new trunkline / outlet sewers will not be required
- HRC has not included any sewer televising but will review existing or city-provided records to determine if any repairs should be included in the project.

Ms. Colleen Hill-Stramsak, P.E., PTOE, RSP1 will be HRC's Project Manager for the Drexelgate Parkway Pathway & Lane Reconfiguration Project, based on her experience working with City staff and managing comparable projects. Charles Hart, P.E. will provide project oversight, staffing coordination, and communication as required to ensure a successful project. HRC's road design team has extensive experience working on comparable road and pathway construction projects, including ones where access during construction will be carefully considered and coordinated. The project team will also communicate regularly with City staff to ensure the project is coordinated successfully and that the City's expectations are met.

HRC is ready to begin this job immediately to be prepared for construction completion in MDOT's Fiscal Year 2023. HRC is proposing to complete this work for a not to exceed cost of \$191,338. This will be invoiced on a time and material basis based on approved rates and in accordance with our contract with the City of Rochester Hills. Please see the attached spreadsheet for more detailed information about the budgetary 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.



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

City of Rochester Hills; Paul Davis, Paul Shumejko
HRC; D. Mitchell, B. Shepler, C. Hill-Stramsak, File

Recommended by:
CITY OF ROCHESTER HILLS

Bill Fritz, P.E., DPS Director

Date: _____

Approved by:
CITY OF ROCHESTER HILLS

Bryan K. Barnett, Mayor

Date: _____

ATTACHMENT A
City of Rochester Hills
Hours / Costs for Preliminary Engineering Services - June 30, 2022
Drexelgate Pkwy Pathway & Lane Reconfiguration

Task Description	Principal QA/QC	Associate 1	Project Engr	Grad Engineer	Designer	Survey Office Super	Sr. Party Chief	Inst. Person	Total By Task
Topographic Survey & Property Lines	1	16		8	24	36	100	100	285
Meetings & Preparation	4	28	16	12	12				72
Business Communication / Meetings	8	16	8	24	32				88
Horizontal & Vertical Alignments (Pathway)	2	24	20	80	50				176
Base Plans	2	8	20	60	40				130
Utility Mapping, Coord & Relocations	2	12	12	40	50				116
Storm Water Drainage Design	2	16	8	40	40				106
Maintenance of Traffic (MOT)	4	16	24	40	40				124
Prepare Preliminary Plans for MDOT LAP	8	32	80	120	120				360
Prepare Final Plans	8	16	30	50	50				154
Total Hours by Classification	41	184	218	474	458	36	100	100	1611

	Hours	Hourly Rate*	Direct Cost
Principal	41	\$ 150.00	\$ 6,150.00
Associate 1	184	\$ 155.00	\$ 28,520.00
Project Engineer	218	\$ 120.00	\$ 26,160.00
Graduate Engineer	474	\$ 102.00	\$ 48,348.00
Designer / Sr. CAD Tech	458	\$ 110.00	\$ 50,380.00
Survey Office Supervisor	36	\$ 130.00	\$ 4,680.00
Sr. Survey Party Chief	100	\$ 116.00	\$ 11,600.00
Survey Instrument Person	100	\$ 95.00	\$ 9,500.00
Sub total	1611		Subtotal HRC Costs \$ 185,338.00
			Section 106 Review (SHPO) by subconsultant \$ 6,000.00
			Design Total \$ 191,338.00

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