



City of Rochester Hills
AGENDA SUMMARY
NON-FINANCIAL ITEMS

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Legislative File No: 2021 - 0189

TO: Mayor and City Council Members

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

DATE: May 24, 2021

SUBJECT: Floodplain Use Permit Request for the Avon/Dequindre corridor project
City File Numbers E20-021 and E17-018

REQUEST:

The Department of Public Services requests that City Council approve a floodplain use permit for the upcoming roadway, bridge, and water transmission main work for the Avon and Dequindre corridor projects.

BACKGROUND:

The Road Commission for Oakland County (RCOC) and the Great Lakes Water Authority (GLWA) are both planning to start large projects towards the end of this year. The RCOC project consists of constructing a new roundabout intersection at the westerly Avon and Dequindre intersection and replacing the existing Avon Road bridge crossing the Clinton River just to the east of the intersection. This job is planned for a September 2021 bid letting and an intended starting date of November 2021. The proposed completion date is August 2022.

The GLWA proposes to install approximately ½-mile of 8-foot diameter transmission water main pipe along Dequindre and Avon Roads and also construct a new roundabout at the Avon/Dequindre/23 Mile Road intersection. This project is planned to start in January 2022 and is currently targeted for completion at the end of July 2022.

Although these two large projects are being designed and will be constructed independently, there has also been a significant amount of coordination and communication between the two agencies during the design and right-of-way acquisition phases. One example of good coordination and planning is evidenced with how the floodplain filling and mitigation needs of both projects is being handled. The RCOC purchased an existing property at the southwest corner of the westerly Avon/Dequindre intersection. This property will be utilized as a detention basin and will also be used to provide compensatory cutting to offset flood plain filling in other areas of the RCOC and GLWA projects. As a result, the RCOC agreed to incorporate the floodplain filling needs into a combined floodplain use permit application to the City Council.

The attached file, Permit Application.pdf, is included with supporting reference information. The packet includes project construction drawings that show the intended basin construction for providing the compensating cut and the Michigan Department of Environment, Great Lakes & Energy (EGLE) approved permit that was issued to the RCOC.

The other attached file, Location Map with 100 & 500 year Floodplain and the Floodway Limits.pdf, was prepared with the City Geographic Information System (GIS). This drawing file shows the approximate limit of the 100-year floodway within the two red lines. The floodway is the area that is expected to carry the moving water during the 100-year event. The blue hatching indicates the area impacted with storage of flood waters for the 100-year event and the area with black hatching indicates the additional expected storage limits affected by the 500-year storm event.

RECOMMENDATION:

The Department of Public Services recommends that City Council approve the Road Commission for Oakland County floodplain use permit for the proposed work along the Avon and Dequindre Road corridor project.

Attachment(s): Permit Application.pdf
 Location Map with 100 & 500 year Floodplain and the Floodway Limits.pdf

APPROVALS:	SIGNATURE	DATE
Department Review		
Department Director		
Mayor		
Deputy Clerk		

Contract Reviewed by City Attorney Yes N/A