



AGENDA ITEM EXECUTIVE SUMMARY

Agenda Item number: 4.c

Title: Recommendation to Execute an Agreement for Renaux Manor Storm Sewer Replacement Design Engineering Services

Presenter: AJ Reineking

Meeting: Government Services Committee

Date: September 25, 2017

Proposed Cost: \$36,100

Budgeted Amount: \$50,000

Not Budgeted:

Executive Summary *(if not budgeted please explain):*

For the last several years, the Public Services Division has been monitoring and attempting to remedy a calcium buildup within the storm sewer in the Renaux Manor subdivision. The western edge of the subdivision is built in an area of high groundwater, and the working hypothesis is that the ground water is heavy in dissolved bedrock solids which are solidifying in the storm sewer after infiltration through the storm sewer pipe, manholes and also via residential sump pumping into the City’s storm sewer. The result is that approximately 2,835 linear feet of reinforced concrete pipe (RCP) ranging in diameter from 10” to 42” is being constricted by as much as 50%.

The project location includes:

- Deville Lane from Picasso Drive to St. Germain Place;
- The rear yard north of Deville Lane from the west end of the subdivision past Picasso Drive to Renaux Boulevard, and
- The rear yards of Matisse Drive from Picasso Drive to Renaux Boulevard.

All sewer lines accumulating the calcium buildup are reinforced concrete pipes, and buildup is primarily occurring around the joints. The private PVC sump lines that are tributary to the mains are not experiencing the same buildup, presumably due to the lack of porous surface in the pipe.

After attempts to both mechanically and chemically clean the lines, staff has reached the conclusion that the buildup is too solid and the pipe must be replaced with a non-porous SDR 26 pipe to avoid continued buildup and constriction, and to also facilitate the ease of cleaning.

The City issued an RFP with a scope to include the following:

1. Review the existing conditions and testing data and confirm the course of action.
2. Identify the best routing for a new storm sewer to be installed.
3. Develop a set of plans and specifications for the bidding and construction of the sewer replacement.

The City received eight responses to the RFP with Gerald L. Heinz & Associates, Inc. of East Dundee, IL being identified as the most responsive, responsible proposer. Gerald L. Heinz has performed similar sewer projects in the past and has provided a list of very favorable references.

Attachments *(please list):*

* Proposal Price Tabulation

Recommendation/Suggested Action *(briefly explain):*

Recommendation to execute an agreement with Gerald L. Heinz & Associates, Inc. for Design Engineering services for the Renaux Manor Storm Sewer Replacement Project in an amount not to exceed \$36,100.

Renaux Storm Sewer Replacement Design Engineering Services
 Proposal Price Tabulation
 GSC: 9/25/2017

Gerald L. Heinz & Associates, Inc. East Dundee, IL	\$ 36,100.00
M Squared Engineering, LLC Cedarburg, WI	\$ 41,300.00
ESI Consultants, Ltd. Naperville, IL	\$ 41,853.24
Atlas Engineering Group, LTD Northbrook, IL	\$ 49,967.50
Baxter & Woodman Crystal Lake, IL	\$ 58,410.00
Ruekert Mielke Downers Grove, IL	\$ 59,949.00
Cemcon, LTD Aurora, IL	\$ 81,480.00
WBK Engineering* St. Charles, IL	\$ 26,403.00

*Firm failed to convey understanding of project scope.