

Agenda Report

Subject: Stormwater Update – February 7, 2012

Prepared By: Steven M. Saunders, Director of Public Works/Village Engineer

Date: February 2, 2012

Sanitary Sewer Evaluation Request For Proposals (RFP). Responses to the RFP, which the Council reviewed and authorized in December, were due January 20. Four firms responded, each firm having a well-documented history of successfully completing similar projects for a wide spectrum of municipalities and sanitary districts. Staff is evaluating each of the firms and will provide a detailed review and recommendation at the February 21 meeting.

Coastal Engineering. A key component of the Willow Road Stormwater Tunnel is the design of the outlet structure to Lake Michigan. This structure must be designed with multiple factors in mind. It must reduce outlet velocity to safe levels; it must control erosion and prevent pollution; it must not contribute to beach degradation; it must withstand wave and ice action; it must not interfere with navigation or other uses of the Lake; and it must be aesthetically acceptable. Given that this is a significant challenge, in the unique setting of a coastal environment, staff is seeking a sub-consultant from the specialized discipline of coastal engineering to provide conceptual designs and cost estimates for this structure. Two firms have submitted fee proposals on the project, and a third is being sought. While I anticipate that the fee for this work will be less than the \$25,000 threshold requiring Council approval, the importance of the project indicates that the Council should have an opportunity to approve the contract, which will be presented at the February 21 meeting.

UIC Project. The Village is working in cooperation with the MWRDGC on a demonstration project with students from UIC to identify methods of infiltrating or storing for reuse 2,000 gallons of rain water per property from roof drainage and sump pumps. There are 2 groups (4 students per group) working on the project. One group has been assigned to the design for a typical home in Winnetka, as well as expanding the project to encompass a neighborhood solution. The other group is working with a different municipality with different housing characteristics. The timeline calls for the project to be completed by April 17, with an abstract due February 17.

Recommendation:

Informational Report.