



Agenda Item Executive Summary

Title: Stormwater Monthly Summary Report

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

Agenda Date: 11/17/2015

Consent: YES NO

- | | |
|-------------------------------------|-------------------------|
| <input type="checkbox"/> | Ordinance |
| <input type="checkbox"/> | Resolution |
| <input type="checkbox"/> | Bid Authorization/Award |
| <input type="checkbox"/> | Policy Direction |
| <input checked="" type="checkbox"/> | Informational Only |

Item History:

Monthly Report

Executive Summary:

The Village Council has placed a standing item in its regular meeting agenda for updates on the Village's progress towards providing relief from stormwater and sewer flooding. This monthly report brings together status, cost, and schedule information, for each separate stormwater project, in one place.

The report includes a summary Agenda Report, which provides a brief outline and summary of each major stormwater project currently being undertaken by the Village. The report also contains a program budget, providing financial information for the stormwater and sanitary sewer improvement programs.

Recommendation:

Informational report - no action required.

Attachments:

1. Project Summary Report
2. Program Budget

Agenda Report

Subject: Stormwater Update – November 2015

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

Date: November 10, 2015

Active Projects

NW Winnetka (Greenwood/Forest Glen)

Activity Summary The construction contract was awarded to A Lamp, in the amount of \$6,117,230, on November 6, 2014. Storm sewer construction started in March, and A Lamp has completed construction on Tower Road, Grove Street, Edgewood Lane, and Greenwood Avenue, and these roads are completely open to traffic. Storm sewer and utility work is underway in the Forest Glen neighborhood. Project completion is estimated for late November.

Construction has been completed on the \$342,800 contract for restoration and erosion control on the east side of the Forest Preserve pond south of Tower Road. This work was required by the Forest Preserve as a condition of receiving approval to improve the stormwater discharge to their pond.

Budget Summary The Metropolitan Water Reclamation District (MWRD) is funding \$2,000,000 of this project. The total net cost estimate for the project, including engineering, pond restoration, and MWRD reimbursement, is now \$4,822,640. The Village has expended \$5,896,919 to date and submitted MWRD reimbursement requests for \$1,500,000. \$500,000 in reimbursements have been received to date.

6-Month Look Ahead The project team will:

1. Complete the project

Non-STADI Alternative Evaluation

Activity Summary

On October 6, 2015, the Village contracted with Strand Associates for engineering services to re-visit the feasibility and cost estimates of the previously reviewed and dismissed separate, non-STADI options, which have not been updated since 2011. The scope also includes a re-evaluation the Village's western drainage basins for creative, cost-effective non-STADI improvements for storms ranging from the 10-year to the 100-year event, taking into account the Village's flood-control goals and objectives. The scope contains a holistic approach to this project, to include consideration of grey and green infrastructure approaches, conveyance, detention, retention, infiltration, property buyout or individual protection retrofit programs, and a host of other traditional and

emerging stormwater management technologies. The contract contains an April 2016 completion date.

Strand Associates has largely completed initial data gathering and is in the process of evaluating and updating the previously developed hydraulic/hydrologic modeling for the study areas. Strand Associates and the Village have also scheduled initial stakeholder meetings for the week of November 16 with the Cook County Forest Preserve, the Winnetka Park District, the Winnetka School District, and New Trier High School District. The purpose of these meetings is to begin discussions with public agencies owning significant open-space parcels in and adjacent to the project study area, to begin to explore areas where the Village's stormwater management goals and needs and the goals and needs of other public agencies may intersect and overlap.

Budget Summary Strand Associates' contract fee for this work is \$256,050.

6-Month Look Ahead The project team will:

1. Undertake the evaluation
2. Provide regular progress updates to the Council and community

Sanitary Sewer Evaluation

Activity Summary The Village has awarded contracts for sewer lining and manhole lining to address sanitary sewer deficiencies identified during the evaluation. Construction is complete.

Budget Summary The Village has expended \$553,883.

6-Month Look Ahead The project team will:

1. Close the contracts

Public Outreach

Activity Summary Staff continues to provide E-Winnetka and website updates on the multiple projects in the stormwater management program.

Budget Summary There is no separate budget associated with this activity.

6-Month Look Ahead The project team will continue to update the website. Additional outreach and engagement activities are associated with the Non-STADI alternative study that will incorporate public and other stakeholder input. Strand Associates has budgeted for six public engagement meetings, to occur throughout the project, to communicate progress, receive public comments and discuss proposed alternatives as they are developed. Staff will use e-Winnetka, the Winnetka Report, and the website to communicate as the alternative study progresses.

Ravine/Sheridan Road Improvements

Activity Summary IDOT is planning pavement and drainage improvements for the area. The contract has been awarded and construction is expected to start in Spring, 2016.

Budget Summary This project is funded in its entirety by IDOT.

6-Month Look Ahead The project team will:

1. Monitor IDOT activities
2. Update the Council as needed

Completed Projects

Ash Street Pump Station

Construction has been completed except for final contract closeout and the station is operational. The Village has expended \$262,826.

Willow Road Stormwater Tunnel and Area Drainage Improvements (STADI)

After reviewing the most recent project cost estimate of \$81.3 million, and discussing possible options for going forward, the Council concurred that no further work should be undertaken on the STADI project at this time. Rather, the Village should focus on identifying and evaluating other non-STADI alternatives to provide significant stormwater flood relief to STADI project areas. The Village has expended \$926,376 to date including the 2012 feasibility study.

Stormwater Master Plan (SMP)

The Council adopted the plan at its April 17, 2014 meeting. The Village expended \$100,932 on this project.

Spruce Outlet (Lloyd)

The project is complete and operational and the Village expended \$296,299.

Spruce Outlet (Tower)

The project is complete and operational. The Village expended \$1,269,716.

Winnetka Avenue Pump Station

Construction of the Pump Station is complete and the station is operational and the Village expended \$1,071,706.

Stormwater Utility Implementation

The utility was implemented effective July 1 and the project team is responding to resident inquiries as needed. MFSG's contract for staffing the customer support line ended, and Public Works staff has taken the lead in phone and email communications. The Village has expended \$179,516.

A summary budget document showing planned and actual expenditures for all of the planned, ongoing, and completed projects is attached.

Recommendation:

1. Informational report.

Attachments:

1. Program Budget

ATTACHMENT #1
PROGRAM BUDGET

Village of Winnetka
Stormwater Management Program Budget

Project	Initial Estimated Project Costs (2011)	Estimated Program Costs August 2013	Current Estimated Project Costs	Council Authorized	Spent	Comments
Stormwater Fund						
58.75.640.601						
Completed Projects	\$ 35,218,451	\$ 37,196,073	\$ 3,878,253	\$ 3,878,253	\$ 3,878,253	
Winnetka Avenue Pump Station	\$ 750,000	\$ 1,002,300	\$ 1,071,706	\$ 1,071,706	\$ 1,071,706	Complete. Initial cost estimate \$750k from 2009 study.
Tower Road/Old Green Bay	\$ 1,394,244	\$ 1,162,853	\$ 1,269,716	\$ 1,269,716	\$ 1,269,716	Complete
Lloyd Park/Spruce Street Outlet	\$ 475,510	\$ 398,786	\$ 296,299	\$ 296,299	\$ 296,299	Complete
Stormwater Utility Study/Implementation	\$ 50,000	\$ 161,866	\$ 179,516	\$ 179,516	\$ 179,516	Complete - includes customer support services
Stormwater Master Plan	\$ 50,000	\$ 101,220	\$ 100,932	\$ 100,932	\$ 100,932	Complete
Willow Road STADI Project	\$ 32,498,697	\$ 34,369,048	\$ 926,376	\$ 926,376	\$ 926,376	Project suspended effective 9/1/2015.
STADI Cost Evaluation/Value Engineering	\$ -	\$ -	\$ 33,708	\$ 33,708	\$ 33,708	Cost estimate complete. Value engineering not authorized.
NW Winnetka Greenwood/Forest Glen	\$ 2,880,887	\$ 4,266,924	\$ 4,822,640	\$ 4,822,640	\$ 5,396,919	Added Forest Glen area, FPD pond restoration, and complete roadway reconstruction to project.
Design Engineering			\$ 226,874	\$ 226,874	\$ 226,874	Complete
Sewer Construction			\$ 6,117,230	\$ 6,117,230	\$ 5,393,888	Payments to date
Pond Engineering			\$ 19,686	\$ 19,686	\$ 19,686	Additional design required for FPD pond work. Complete
Pond Construction			\$ 342,800	\$ 342,800	\$ 155,894	Payments to date
Construction Observation/Engineering			\$ 116,050	\$ 116,050	\$ 100,577	Payments to date
MWRD Phase II Stormwater Funding			\$ (2,000,000)	\$ (2,000,000)	\$ (500,000)	Reimbursement from MWRD. Three reimbursements requests (\$1,500,000) have been submitted.
Ash Street Pump Station	\$ -	\$ -	\$ 267,226	\$ 267,226	\$ 262,826	
Design Engineering			\$ 7,676	\$ 7,676	\$ 7,676	Complete
Construction			\$ 259,550	\$ 259,550	\$ 255,150	Payments to date
Construction Observation/Engineering			\$ -	\$ -	\$ -	Performed In-house
Non-STADI Alternatives	\$ -	\$ -	\$ 256,050	\$ 256,050	\$ -	
Identification and Evaluation of Alternatives			\$ 256,050	\$ 256,050	\$ -	Contract awarded October 6, 2015
Permitting and Design			\$ -	\$ -	\$ -	
Construction			\$ -	\$ -	\$ -	
Construction Observation/Engineering			\$ -	\$ -	\$ -	
Project Management			\$ -	\$ -	\$ -	
Total Stormwater Program Costs	\$ 38,099,338	\$ 41,462,997	\$ 9,224,169	\$ 9,224,169	\$ 9,537,998	
Sanitary Sewer Fund						
54.70.640.201						
Sanitary Sewer Studies/Engineering	\$ 150,000	\$ 150,000	\$ 187,247	\$ 187,247	\$ 184,008	Complete. Includes initial system evaluation, smoke and dyed-water testing, and engineering
System I & I repairs	\$ 1,000,000	\$ 1,000,000	\$ 960,000	\$ 443,135	\$ 369,875	Council awarded manhole and sewer lining contracts in 2014, construction complete except for punch list
Total Sanitary Sewer Costs	\$ 1,150,000	\$ 1,150,000	\$ 1,147,247	\$ 630,382	\$ 553,883	