



Agenda Item Executive Summary

Title: Stormwater Monthly Summary Report

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

Agenda Date: 09/15/2015

Consent: YES NO

Ordinance
 Resolution
 Bid Authorization/Award
 Policy Direction
 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 consists of three documents, explained below:

Summary Agenda Report

This report provides a brief outline and summary of each major stormwater project currently being undertaken by the Village.

Program Budget (Attachment #1)

This report provides financial information for the stormwater and sanitary sewer improvement programs.

Program Organization Chart (Attachment #2)

This document presents a one-page "snapshot" view of the status of each project, and how each project fits into the overall stormwater and sanitary sewer management program.

Recommendation:

1. Informational Report

Attachments:

Project Summary Report

1. Program Budget
2. Program Organization Chart

Agenda Report

Subject: Stormwater Update – September 2015

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

Date: September 8, 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 storm sewer construction on Tower Road, Grove Street, Edgewood Lane, and Greenwood Avenue. Tower Road is completely open to traffic. Storm sewer and utility work is underway in the Forest Glen neighborhood. Construction has also commenced 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. Both portions of the project continue to be on schedule for completion in October.

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 \$4,137,111 to date.

6-Month Look Ahead The project team will:

1. Complete the project

Willow Road Stormwater Tunnel and Area Drainage Improvements (STADI)

Activity Summary In June, 2014, the Council authorized MWH to proceed with preliminary engineering to complete 30% drawings, perform additional water-quality sampling and analysis, complete preliminary design for the outlet structure at Lake Michigan, and develop an updated, more detailed cost estimate. MWH was also authorized to develop a stormwater quality management and treatment plan, and to prepare draft permit applications for the required joint permit for the project. MWH presented Project Review Point #2 on April 28, 2015. The project was further discussed on May 12, 2015. In light of significant increases in the estimated project cost, from \$34.4 million to \$58.5 million, the Village Council awarded a contract to V3 Companies to complete an independent cost evaluation and a value engineering review of the project.

The cost review work was reported to the Council at the September 1 Council meeting. V3's independent total project cost estimate was \$81.3 million. After reviewing the cost estimate 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.

Budget Summary The Village Council has suspended this project, and the Village has expended \$926,376 to date including the 2012 feasibility study.

6-Month Look Ahead The project team will:

1. Complete contract closeout for the STADI project engineering contract

Non-STADI Alternative Evaluation

Activity Summary

Pursuant to Council direction, staff has published a Request for Proposals (RFP) 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 RFP 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 RFP desires 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. Proposals were received from 14 firms on August 7, 2015.

Village staff reviewed the received proposals and short-listed four firms for interviews, which were completed the week of August 31 by a team consisting of engineering and Manager's Office staff, and President Greable and Trustee Krucks, the Council's stormwater liaisons. Based upon the results of the proposal evaluation and the interviews, a recommendation to contract with Strand Associates for this work will be presented at the September 15, Council meeting.

Budget Summary There is no separate line item for this project in the FY 2015 budget. Strand Associates' initial proposal for this work is \$256,050.

6-Month Look Ahead The project team will:

1. Award a contract
2. Undertake the evaluation
3. 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 underway.

Budget Summary The Village has expended \$428,276.

6-Month Look Ahead The project team will:

1. Complete lining and manhole repair punch lists

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. 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 project has been bid, and a contract award is pending. Construction is expected in late 2015.

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.

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, and an organization showing all of the planned, ongoing, and completed projects, are attached.

Recommendation:

1. Informational report.

Attachments:

1. Program Budget
2. Program Organization Chart

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	\$ 2,719,754	\$ 2,827,025	\$ 2,918,169	\$ 2,918,169	\$ 2,918,169	
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
NW Winnetka Greenwood/Forest Glen	\$ 2,880,887	\$ 4,266,924	\$ 4,822,640	\$ 4,822,640	\$ 4,137,111	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	\$ 3,661,080	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	\$ 73,577	Payments to date
MWRD Phase II Stormwater Funding			\$ (2,000,000)	\$ (2,000,000)	\$ -	Reimbursement from MWRD
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
Willow Rd STADI	\$ 32,498,697	\$ 34,369,048	\$ 926,421	\$ 926,421	\$ 926,376	Project suspended effective 9/1/2015.
Feasibility Study			\$ 37,750	\$ 37,750	\$ 37,705	
Permitting and Design			\$ 888,671	\$ 888,671	\$ 888,671	Contract closed effective 9/1/2015
Construction			\$ -	\$ -	\$ -	
Construction Observation/Engineering			\$ -	\$ -	\$ -	
Materials Testing			\$ -	\$ -	\$ -	
Project Management			\$ -	\$ -	\$ -	
Non-STADI Alternatives	\$ -	\$ -	\$ 256,050	\$ -	\$ -	New evaluation authorized June 30, 2015.
Feasibility Study			\$ 256,050	\$ -	\$ -	Estimate based on Strand Associates proposal
Permitting and Design			\$ -	\$ -	\$ -	
Construction			\$ -	\$ -	\$ -	
Construction Observation/Engineering			\$ -	\$ -	\$ -	
Project Management			\$ -	\$ -	\$ -	
STADI Cost Evaluation and Value Engineering	\$ -	\$ -	\$ 33,708	\$ 33,708	\$ 33,708	Cost estimate complete. Value engineering not authorized.
Total Stormwater Program Costs	\$ 38,099,338	\$ 41,462,997	\$ 9,224,214	\$ 8,968,164	\$ 8,278,190	
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	\$ 244,268	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	\$ 428,276	

ATTACHMENT #2
PROGRAM ORGANIZATION CHART

