



Agenda Item Executive Summary

Title: Stormwater Monthly Summary Report

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

Agenda Date: 01/19/2016

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:

- Project Summary Report
- Attachment #1 - Postcard Mailer
- Attachment #2 - Program Budget

Agenda Report

Subject: Stormwater Update – January 2016

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

Date: January 12, 2016

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. Construction on this project is complete. Construction has also 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 \$4,706,977. Gross Village expenditures to date are \$6,585,344 and the Village has received \$1,500,000 in MWRD reimbursements to date.

6-Month Look Ahead The project team will:

1. Complete project closeout activities

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's initial Awareness Phase Public Open Houses are scheduled for January 21 from 6pm to 8pm and January 23 from 10am to noon in the north gymnasium at Washburne School. The two meetings will be identical in format and content—focusing on

communicating the results of model verification and their early observations. Strand will also be listening to the community to solicit innovative ideas and receive public input on experiences in these flood-prone areas. Following an “open-house” format, a brief introduction will be followed by breakout activity stations, where residents in each study sub-area can view model predictions of flooding under current conditions, share their flooding observations to help Strand confirm the hydraulic modeling, learn about the wide variety flood reduction techniques that might be considered for sub-areas, and provide comments and input for Strand.

The Village mailed a large-format postcard (attached) specifically designed to promote the Open House event to over 1,700 households, including all properties that are part of the Study Area, west of Green Bay Road, with the exception of the West Elm Business District and some addresses on the “fringe” of the Area boundaries. As flooding, and how the Village funds improvements impacts everyone, the community at-large is certainly welcome to attend this Open House. However, Strand’s focus here is on listening and learning about the specific areas to confirm their modeling and better inform the development of alternatives. Therefore the target audience is those who experienced the most significant flooding in recent years that have not yet been addressed by infrastructure improvements.

In addition to the postcard, the Village is publicizing the Open Houses through the Village website news, E-Winnetka, and a Press Release. We also continue to add content to the new Stormwater Alternatives Evaluation portion of the Village website (<http://www.villageofwinnetka.org/residents/stormwater-alternatives-evaluation/>).

Budget Summary Strand Associates’ contract fee for this work is \$256,050. The Village has expended \$65,893 to date.

6-Month Look Ahead The project team will:

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

Public Outreach

Activity Summary Staff has focused on scheduling and promoting the Awareness Phase open houses. Staff continues to provide E-Winnetka and website updates on the multiple projects in the stormwater management program. In January, Staff completed the migration of the Stormwater Management Program dedicated website to the Village website. Residents will now find all the content formerly posted at www.winnetkastormwaterplan.com under the heading of Stormwater Management Program at: www.villageofwinnetka.org/residents/stormwater-management-program/.

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

6-Month Look Ahead 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. Their approach to engagement is centered around “awareness,” “exploration,” and “vision.” Following the January Awareness Phase meetings, Strand will document and communicate the input received and will begin evaluating the feasibility and benefits of various approaches to flood reduction in the project areas. Strand’s next engagement meetings will focus on discussing and exploring possible flood reduction strategies and improvements and are expected to occur in early March. Staff will continue to use E-Winnetka, the Winnetka Report, and Village website to communicate as the Alternative Evaluation progresses.

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. 2015 construction is complete. Staff has identified lining projects to be completed in 2016 and will jointly contract for this work with other municipalities through the Municipal Partnering Initiative.

Budget Summary The Village has expended \$579,266.

6-Month Look Ahead The project team will:

1. Close the contracts
2. Contract for the 2016 project.

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 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.

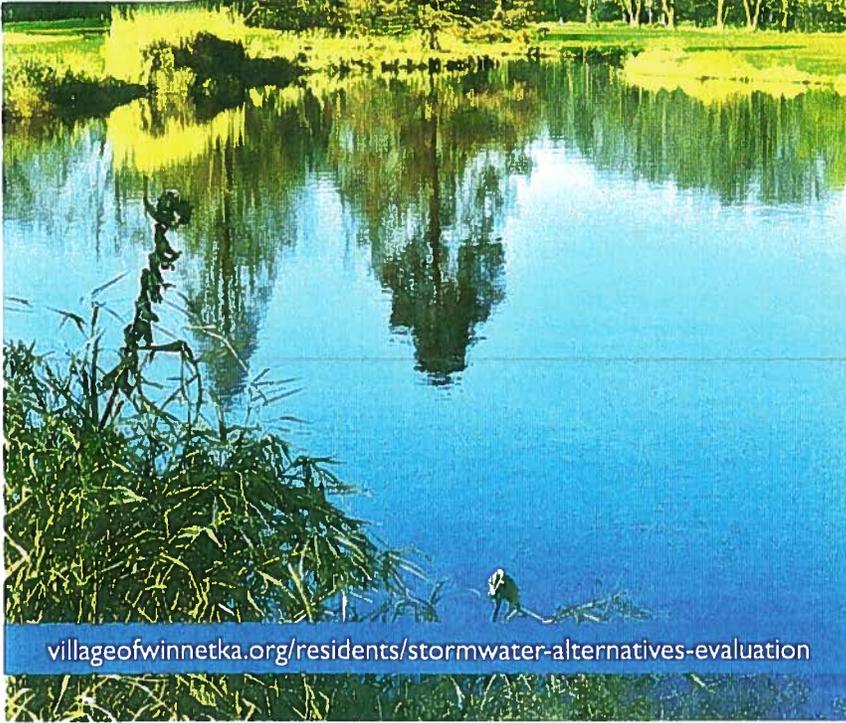
Attachments:

1. Postcard Mailer
2. Program Budget

ATTACHMENT #1
POSTCARD MAILER

Winnetka

Stormwater
Alternatives
Study



PUBLIC OPEN HOUSE

Please join us

Thursday, January 21

or

Saturday, January 23

2016

villageofwinnetka.org/residents/stormwater-alternatives-evaluation

Village of Winnetka Stormwater Alternatives Study Public Open House



Village of Winnetka
510 Green Bay Road
Winnetka, Illinois 60093

Standard Presort
ECRWSS
U.S. Postage
PAID
Permit No. 7
60093

Strand Associates, the Village of Winnetka's consultant conducting the Evaluation of Stormwater Management Improvements and Alternatives for Western and Southwestern Winnetka, will be hosting a Public Open House. We encourage you and your neighbors to attend to learn about early study activities, confirm flooding experiences, explore study area insights, and begin to share alternatives.

Please attend one of the open houses during the listed time frames, at your convenience. The meeting topics and structure will be identical.

**Thursday
January 21**

6:00 PM to 8:00 PM

or

**Saturday
January 23**

10:00 AM to 12:00 PM



The open houses will be held at Washburne Middle School, 515 Hibbard Road, in the school gymnasium.

We look forward to your attendance and dialogue on the Alternatives Evaluation. If you have questions regarding the open houses, please call 847-716-3549.

ATTACHMENT #2
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	\$ 4,141,078	\$ 4,141,078	\$ 4,141,078	
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.
Ash Street Pump Station	\$ -	\$ -	\$ 262,825	\$ 262,825	\$ 262,825	Complete
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	\$ 4,706,977	\$ 4,706,977	\$ 5,085,344	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	\$ 6,006,858	Payments to date
Pond Engineering			\$ 19,686	\$ 19,686	\$ 19,686	Additional design required for FPD pond work. Complete
Pond Construction			\$ 227,137	\$ 227,137	\$ 227,137	Complete
Construction Observation/Engineering			\$ 116,050	\$ 116,050	\$ 104,789	Payments to date
MWRD Phase II Stormwater Funding			\$ (2,000,000)	\$ (2,000,000)	\$ (1,500,000)	Reimbursement from MWRD. Final \$500,000 requested, pending receipt.
Non-STADI Alternatives	\$ -	\$ -	\$ 256,050	\$ 256,050	\$ 65,893	
Identification and Evaluation of Alternatives			\$ 256,050	\$ 256,050	\$ 65,893	Contract awarded October 6, 2015. Payments to date.
Permitting and Design			\$ -	\$ -	\$ -	
Construction			\$ -	\$ -	\$ -	
Construction Observation/Engineering			\$ -	\$ -	\$ -	
Project Management			\$ -	\$ -	\$ -	
Total Stormwater Program Costs	\$ 38,099,338	\$ 41,462,997	\$ 9,104,105	\$ 9,104,105	\$ 9,292,315	
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	\$ 395,258	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	\$ 579,266	