



## Agenda Item Executive Summary

**Title:** Stormwater Monthly Summary Report

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

**Agenda Date:** 03/17/2016

**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:

1. Project Summary Report
2. Program Budget

## **Agenda Report**

**Subject: Stormwater Update – March 2016**

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

Date: March 8, 2016

### **Active Projects**

#### **Non-STADI Alternative Evaluation**

##### Activity Summary

On October 6, 2015, the Village contracted with Strand Associates for engineering services to re-evaluate 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. Strand is taking 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 is scheduled for completion in April of 2016.

Strand held their Exploration Phase Public Open Houses on March 3 and March 5 at the Winnetka Community House. At these meetings, Strand communicated a variety of conceptual stormwater solutions. After an introductory presentation, residents attended breakout stations to view conceptual improvements and provide direct comments and input. Strand is preparing for the next public meeting, the Vision Phase, scheduled for April 12, at 7:00 p.m., at the Washburne Middle School Auditorium. This meeting will include a presentation from Strand summarizing Study findings to-date, and present further details, including costs and protection levels, of recommended stormwater management alternatives. Public comment and input will be taken so that recommendations can be fine-tuned and formalized for presentation to the Village Council in late-April.

The Village will be advertising and promoting the Vision Phase meeting to all Village households via the Winnetka Current. In addition, the Village will publicize the meeting through the Village website news, E-Winnetka, Stormwater E-Alerts, 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 \$161,950 to date.

6-Month Look Ahead The project team will:

1. Complete the evaluation
2. Present a report to the Village Council in April, 2016

### **Boal Parkway Neighborhood Improvements**

Activity Summary In 2014, the Village of Winnetka participated in the development of a “Water Solutions Project”, funded by an “IKE” Grant administered by the Illinois Department of Commerce and Economic Opportunity. The focus of the grant was on community planning to address the needs and issues of the population groups most significantly impacted by the 2008 floods associated with Hurricane Ike. The Water Solutions Project was a series of four pilot studies in three communities and a template that was to be used for future studies. Winnetka’s participation role in the study was the investigation of flooding along Boal Parkway. Among other recommendations, this study identified a stormwater pumping station to reduce the duration and extent of flooding resulting from smaller, more frequent storm events.

On March 1, the Village Council awarded a contract for this work to H.R. Green Associates for \$48,786. Work will commence in March.

Budget Summary The FY 2016 budget contains \$50,000 for engineering this project.

6-Month Look Ahead The project team will:

1. Begin engineering design

### **Public Outreach**

Activity Summary Recent activity has continued to focus on promotion of the Stormwater Alternatives Study. We would like to call attention to a video of the Exploration Phase Open House presentation. The video is posted online at: <http://www.villageofwinnetka.org/government/village-videos/> (select category “Stormwater Videos”). To-date, the Village has already registered 60 plus subscribers to our new Stormwater E-Alerts feature. We also encourage residents to provide Strand further comments about the study and the conceptual alternatives. The Comment Card used at the Exploration Phase Open Houses is now available on the Village website for completion at: <http://www.villageofwinnetka.org/residents/stormwater-alternatives-study/public-meeting-highlights/march-2016-open-house/>. Form submittals will be shared with Strand to influence the refinement of alternative recommendations. Residents may also submit comments directly via [stormwatercomments@winnetka.org](mailto:stormwatercomments@winnetka.org).

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](http://www.winnetkastormwaterplan.com) under the heading of Stormwater Management Program at: [www.villageofwinnetka.org/residents/stormwater-](http://www.villageofwinnetka.org/residents/stormwater-)

[management-program/](#). Two new tools have recently become available for residents in this website section: dedicated Stormwater Documents and Stormwater Frequently Asked Questions tools.

<http://www.villageofwinnetka.org/residents/stormwater-management/stormwater-documents/>

<http://www.villageofwinnetka.org/residents/stormwater-management/stormwater-faq/>

The Village will continue to add materials to these tools, so that they become a complete and organized repository for all stormwater materials.

Staff continues preparations for Strand's next public engagement process, the Vision Phase Workshop, which is scheduled for Tuesday, April 12, 2016. We plan to cancel the Council's regular Study Session in order to conduct this meeting. Materials advertising this meeting will begin to be distributed at the end of March. Also please look forward to a feature on the Stormwater Alternatives Study in the Spring edition of the Winnetka Report, scheduled to hit doorsteps beginning on March 31, 2016.

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

6-Month Look Ahead Having completed the "Exploration Phase" of their public engagement strategy (four of six meetings in their Scope of Work), the next engagement meetings are centered on the "Vision Phase". 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. IDOT has identified two Village utilities – a pad-mount transformer and a lift station control panel – that need to be relocated to facilitate project construction. IDOT will reimburse the Village for its expenses to relocate these utilities. Utility relocation is underway.

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

6-Month Look Ahead The project team will:

1. Complete utility relocation
2. Monitor IDOT activities
3. Update the Council as needed

## **Completed Projects**

### **Ash Street Pump Station**

Construction is complete and the station is operational. The Village expended \$262,826.

### **NW Winnetka (Greenwood/Forest Glen)**

Construction on this project is complete, and staff is completing contract closeout activities. The total net cost for the project, including engineering, pond restoration, and \$ 2 million in MWRD funding, is \$4,532,616.

### **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

March, 2016

Project	Initial Estimated Project Costs (2011)	Estimated Program Costs August 2013	Current Estimated Project Costs	Council Authorized	Spent	Comments
<b>Stormwater Fund</b>						
<b>58.75.640.601</b>						
<b>Completed Projects</b>	<b>\$ 38,099,338</b>	<b>\$ 41,462,997</b>	<b>\$ 8,673,694</b>	<b>\$ 8,848,055</b>	<b>\$ 8,657,914</b>	
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
NW WinnetkaGreenwood/Forest Glen	\$ 2,880,887	\$ 4,266,924	\$ 4,532,616	\$ 4,706,977	\$ 4,516,836	Complete pending final payment
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.
<b>Non-STADI Alternatives</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 256,050</b>	<b>\$ 256,050</b>	<b>\$ 161,950</b>	
Identification and Evaluation of Alternatives			\$ 256,050	\$ 256,050	\$ 161,950	Contract awarded October 6, 2015. Payments to date.
Permitting and Design			\$ -	\$ -	\$ -	
Construction			\$ -	\$ -	\$ -	
Construction Observation/Engineering			\$ -	\$ -	\$ -	
Project Management			\$ -	\$ -	\$ -	
<b>Boal Parkway Improvements</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 398,786</b>	<b>\$ 48,786</b>	<b>\$ -</b>	
Design Engineering			\$ 48,786	\$ 48,786	\$ -	Budgeted FY 2016. Contract awarded 3/1/16.
Construction			\$ 350,000	\$ -	\$ -	Budgeted FY 2017.
Construction Observation/Engineering			\$ -	\$ -	\$ -	
Project Management			\$ -	\$ -	\$ -	
<b>Total Stormwater Program Costs</b>	<b>\$ 38,099,338</b>	<b>\$ 41,462,997</b>	<b>\$ 9,328,530</b>	<b>\$ 9,152,891</b>	<b>\$ 8,819,864</b>	
<b>Sanitary Sewer Fund</b>						
<b>54.70.640.201</b>						
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
<b>Total Sanitary Sewer Costs</b>	<b>\$ 1,150,000</b>	<b>\$ 1,150,000</b>	<b>\$ 1,147,247</b>	<b>\$ 630,382</b>	<b>\$ 579,266</b>	