



## Agenda Item Executive Summary

**Title:** Stormwater Monthly Summary Report

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

**Agenda Date:** 06/16/2015

**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:

#### Project Summary Report (Attachment #1)

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

#### Program Budget (Attachment #2)

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

#### Program Organization Chart (Attachment #3)

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:

Informational Report

### Attachments:

1. Project Summary Report
2. Program Budget
3. Program Organization Chart

## **Agenda Report**

**Subject:**                    **Stormwater Update – June 2015**

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

Date:                         June 9, 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 storm sewer and pavement construction on Tower Road between Greenwood and Hibbard are nearly complete. A Lamp has completed all necessary utility adjustments and is proceeding with storm sewer construction on the west end of Tower Road. On (date), the Village Council awarded a construction contract to Kovilic Construction Company for \$342,800 for restoration and erosion control on the east side of the Forest Preserve pond south of Tower Road, work that was required by the Forest Preserve as a condition of receiving approval to improve the stormwater discharge to their pond.

Budget Summary    The total net cost estimate for the project, including engineering and pond restoration, is now \$4,822,640. The Village has expended \$279,424 on design and construction engineering, and \$1,103,883 on construction to date. The Metropolitan Water Reclamation District (MWRD) is funding \$2,000,000 of this project.

The original October 2011 estimate for this project was \$2,880,887. In 2012, the project was expanded to include additional storm sewer serving the Forest Glen area, and to include relocation of underground utilities, which was previously carried as a separate line item. The Forest Glen addition (\$685,000) and the utility relocation (\$591,000), plus additional engineering for those items (\$110,000) raised the estimated project cost to \$4,266,924. During final design of the project, it was decided to completely re-pave the streets affected by the work, rather than to patch the disturbed pavement. In addition, the Forest Preserve District of Cook County required that the Village add to the project erosion control, native vegetation restoration, and regrading along the east bank of the existing Forest Preserve pond south of Tower Road. Also, given the magnitude of this construction project, the Village opted to contractually retain field engineering and management services.

Finally, the Village applied for project funding through the MWRD's Phase II Stormwater program, receiving a funding commitment of \$2 million. These additions and the offsetting MWRD funding, plus an increase in construction labor and material prices since the original 2011 estimate was completed, yield a current overall net project estimated cost of \$4,822,640.

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. Soil borings and survey work have been completed, and water quality samplers and flow meters were used to collect wet weather samples for analysis. Several wet-weather and dry-weather samples were collected and are being analyzed. MWH presented Project Review Point #2 anticipated 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 \$122,004 contract to V3 Companies to complete an independent cost evaluation and a value engineering review of the project. In order to more fully assess the feasibility of the project to meet regulatory requirements, the Council also authorized MWH to meet with stakeholder organizations such as the Alliance for the Great Lakes and the Natural Resources Defense Council, complete and submit permit applications to the necessary regulatory agencies, and report back to the Council on review progress.

Budget Summary The Village Council has authorized \$2,145,218 for engineering on this project, and the Village has expended \$844,998 to date. The total estimated project cost is now \$58,473,467. The Village has also authorized an additional \$122,004 for cost estimate review and value engineering services.

6-Month Look Ahead The project team will:

1. Complete the cost estimate review
2. Complete the value engineering process
3. Meet with stakeholder organizations
4. Submit permit applications
5. Meet with regulatory agencies
6. Report back to the Village Council

### **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 \$300,814.

6-Month Look Ahead The project team will:

1. Complete lining and manhole repair improvements
2. Complete design of remaining public system improvements

## **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 Northwest Winnetka and Willow Road projects as these projects progress. The Village Council will be discussing potential additional outreach and engagement activities this summer.

## **Ravine/Sheridan Road Improvements**

Activity Summary IDOT is planning pavement and drainage improvements for the area. The project is scheduled for construction 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

## **Ash Street Pump Station**

Activity Summary CBBEL completed plans and specifications for the station, including pump and electrical equipment replacement. Staff also reviewed the project scope as part of the FY 14 budget. The Council awarded the design-build contract, and the project team is proceeding with submittals and equipment purchase. Pumps, electrical equipment, and controls have been ordered and delivery is anticipated the last week of May. Construction of underground electric service has started, and the balance of the construction will be completed in June and July.

Budget Summary This project is budgeted within the Stormwater Fund Capital Budget at \$260,000.

6-Month Look Ahead The project team will:

1. Construct the project

### Completed Projects

#### **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:**

Informational report only.

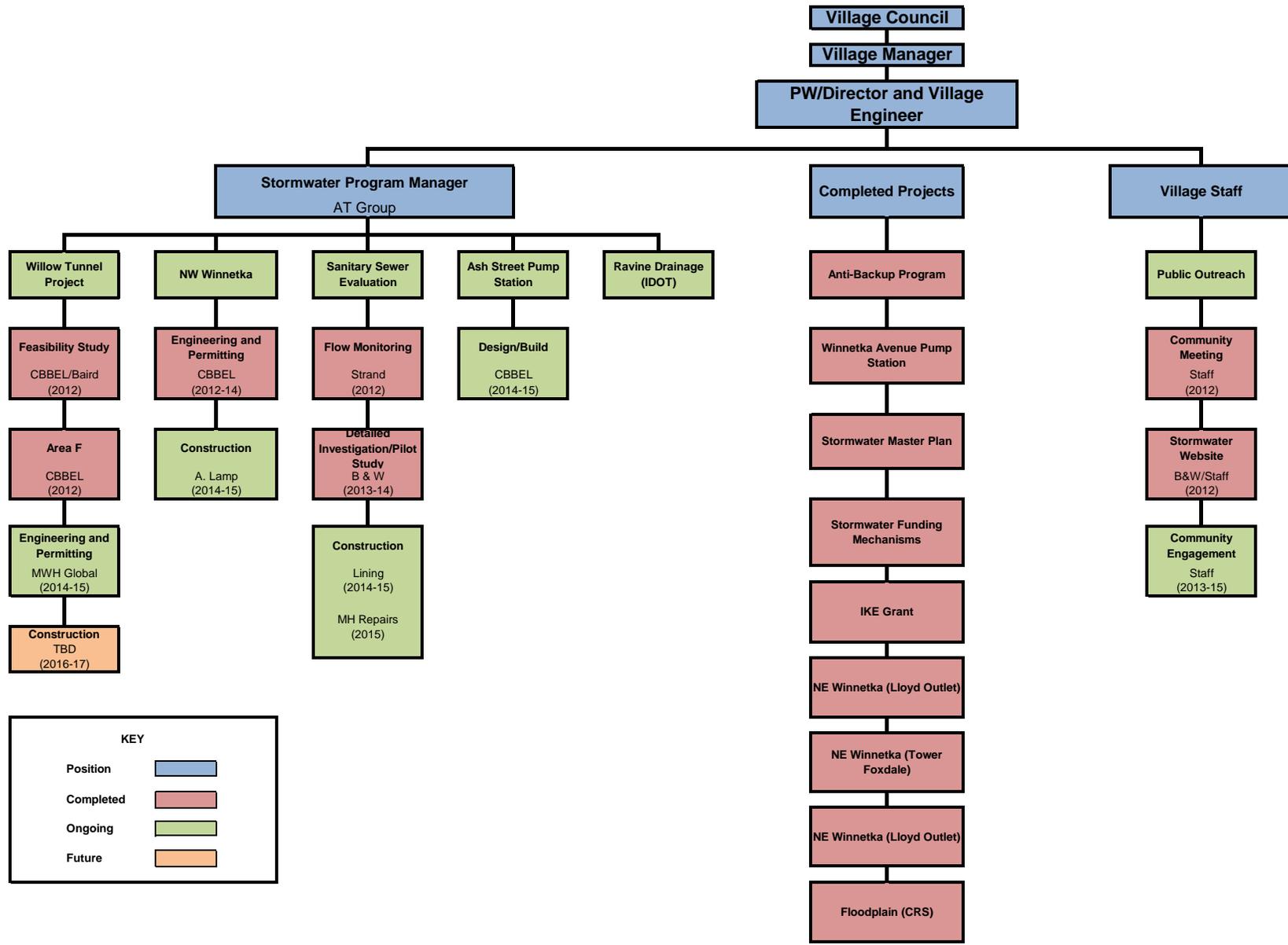
#### **Attachments:**

1. Program Budget
2. Program Organization Chart

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
<b>Stormwater Fund</b>						
<b>58.75.640.601</b>						
<b>Winnetka Ave. pump station</b>	\$ 750,000	\$ 1,002,300	\$ 1,071,706	\$ 1,073,581	\$ 1,071,706	Complete. Initial cost estimate \$750k from 2009 study.
Design Engineering				\$ 29,300	\$ 29,300	
Construction				\$ 1,019,781	\$ 1,019,781	
Construction Observation/Engineering				\$ 24,500	\$ 22,625	
<b>Tower Road/Foxdale</b>	\$ 1,394,244	\$ 1,162,853	\$ 1,269,716	\$ 1,269,716	\$ 1,269,716	Complete
Design Engineering				\$ 111,429	\$ 111,429	
Construction				\$ 1,158,287	\$ 1,158,287	
Construction Observation/Engineering				\$ -	\$ -	Performed In-house
<b>Lloyd Park/Spruce Street</b>	\$ 475,510	\$ 398,786	\$ 296,299	\$ 296,299	\$ 296,299	Complete
Design Engineering				\$ 37,143	\$ 37,143	
Construction				\$ 259,156	\$ 259,156	
Construction Observation/Engineering				\$ -	\$ -	Performed In-house
<b>Stormwater rate study</b>	\$ 50,000	\$ 161,866	\$ 179,516	\$ 179,516	\$ 179,516	Complete - includes customer support services
Utility Feasibility Study			\$ 77,500	\$ 77,500	\$ 77,500	
Utility Implementation Assistance			\$ 102,016	\$ 102,016	\$ 102,016	
<b>Stormwater master plan</b>	\$ 50,000	\$ 101,220	\$ 100,932	\$ 100,932	\$ 100,932	Complete
<b>NW Winnetka Greenwood/Forest Glen</b>	\$ 2,880,887	\$ 4,266,924	\$ 4,822,640	\$ 4,822,640	\$ 1,383,307	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	\$ 1,103,883	Payments to date
Pond Engineering			\$ 19,686	\$ 19,686	\$ 19,686	Additional design required for FPD pond work
Pond Construction			\$ 342,800	\$ 342,800	\$ -	Contract awarded May 19
Construction Observation/Engineering			\$ 116,050	\$ 116,050	\$ 32,864	Payments to date
MWRD Phase II Stormwater Funding			\$ (2,000,000)	\$ (2,000,000)	\$ -	Reimbursement from MWRD
<b>Willow Rd STADI</b>	\$ 32,498,697	\$ 34,369,048	\$ 58,473,467	\$ 2,182,968	\$ 882,703	April 2015 MWH cost estimate for project
Feasibility Study			\$ 37,750	\$ 37,750	\$ 37,705	Complete
Permitting and Design			\$ 2,829,245	\$ 2,145,218	\$ 844,998	MWH Global \$2,094,318; purchase of sampling equipment \$50,900
Construction			\$ 52,426,000	\$ -	\$ -	
Construction Observation/Engineering			\$ 2,359,104	\$ -	\$ -	
Materials Testing			\$ 35,000	\$ -	\$ -	
Project Management			\$ 786,368	\$ -	\$ -	
<b>STADI Cost Evaluation and Value Engineering</b>	\$ -	\$ -	\$ 122,004	\$ 122,004	\$ -	Contract awarded June 2, 2015
<b>Total Stormwater Program Costs</b>	<b>\$ 38,099,338</b>	<b>\$ 41,462,997</b>	<b>\$ 66,214,276</b>	<b>\$ 9,925,652</b>	<b>\$ 5,184,179</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	\$ 116,806	Council awarded manhole and sewer lining contracts in 2014, construction underway
<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>\$ 300,814</b>	

Village of Winnetka  
 Stormwater Management Program  
 Organizational Chart



KEY	
Position	<span style="display: inline-block; width: 20px; height: 10px; background-color: #ADD8E6; border: 1px solid black;"></span>
Completed	<span style="display: inline-block; width: 20px; height: 10px; background-color: #D2691E; border: 1px solid black;"></span>
Ongoing	<span style="display: inline-block; width: 20px; height: 10px; background-color: #90EE90; border: 1px solid black;"></span>
Future	<span style="display: inline-block; width: 20px; height: 10px; background-color: #FFDAB9; border: 1px solid black;"></span>