



Agenda Item Executive Summary

Title: Stormwater Monthly Summary Report

Presenter: James J. Bernahl, Assistant Director of Public Works

Agenda Date: 07/21/2015

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 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 – July 2015

Prepared By: James J. Bernahl, Assistant Director of Public Works

Date: July 15, 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. The Village Council has also 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. 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 total net cost estimate for the project, including engineering and pond restoration, is now \$4,822,640. The Village has expended \$290,453 on design and construction engineering, and \$2,074,521 on construction to date. The Metropolitan Water Reclamation District (MWRD) is funding \$2,000,000 of this project. Budget details are in the following table:

Item	2011 Cost Estimate	Current Cost Estimate
Sewer construction	\$1,856,581	\$2,978,737
Roadway reconstruction	\$526,705	\$1,723,503
Traffic control/mobilization items	\$164,000	\$959,515
Utility protection/relocation	\$652,800	\$455,475
Construction contingency	\$522,945	\$0
Pond Construction	\$0	\$342,800
Design engineering/permitting	\$317,271	\$226,874
Pond Engineering	\$0	\$19,686
Construction engineering	\$226,622	\$116,050
MWRD Reimbursement	\$0	(\$2,000,000)
Total	\$4,266,924	\$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. 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 \$122,004 contract to V3 Companies to complete an independent cost evaluation and a value engineering review of the project. The cost review work is underway and will be reported back to the Council in August.

Staff and MWH recently met with representatives from the Alliance for the Great Lakes (AGL), the Natural Resources Defense Council (NRDC), the Metropolitan Planning Council, and Chicago Openlands, to review and discuss the Willow Road STADI project as part of preparing permit applications for the project. MWH provided a project overview, after which there was a lengthy discussion period. The main points expressed by the environmental groups relate to making sure that the water quality standards for the Lake are met, and that the precedent set by Winnetka's project is a good one from a water quality perspective. Each of the groups represented was very appreciative of the opportunity for dialogue.

Pursuant to Council direction, staff has also 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 are due August 7, 2015.

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 the 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. Award a contract to develop non-tunnel alternatives
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 \$428,276.

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 Construction of the underground electric service has started, and the contractor is in the process of completing the installation of the new pump control panel; the electrical service to the new cabinet will be completed by July 21st. Once the electrical panel is completed the contractor will begin the excavation work for the new wet well and valve vault; excavation work is tentatively scheduled to begin Wednesday July 22nd. Upon completion of the excavation work the contractor will complete the installation of the piping for the electrical feed to the new pumps. The Contractor is anticipating the turn on of the new pump station the week of August 10th; followed by final restoration and landscaping items.

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.

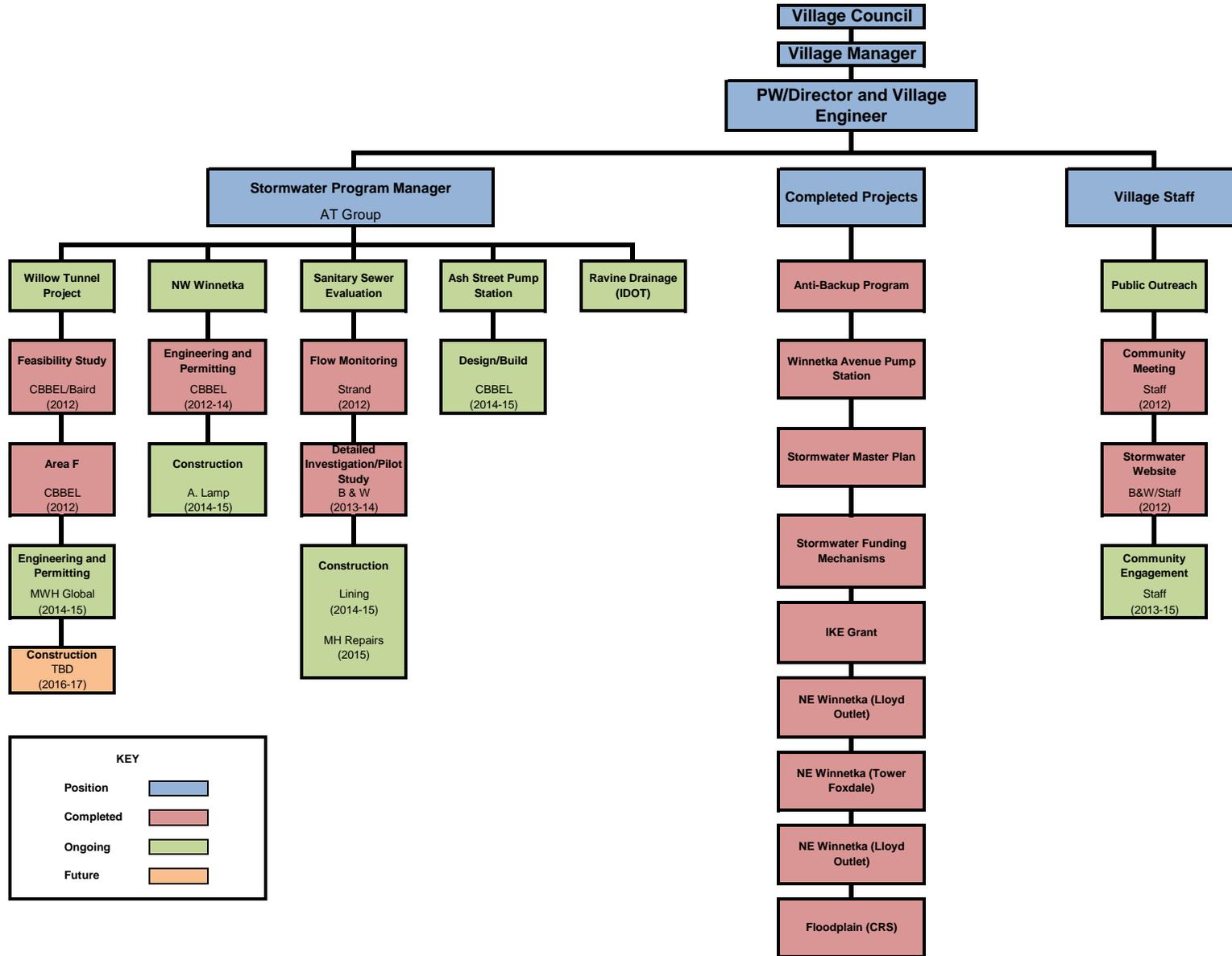
Attachments:

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
Stormwater Fund						
58,75,640.601						
Winnetka Ave. pump station	\$ 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	\$ 1,019,781	
Construction Observation/Engineering			\$ 24,500	\$ 24,500	\$ 22,625	
Tower Road/Foxdale	\$ 1,394,244	\$ 1,162,853	\$ 1,269,716	\$ 1,269,716	\$ 1,269,716	Complete
Design Engineering			\$ 111,429	\$ 111,429	\$ 111,429	
Construction			\$ 1,158,287	\$ 1,158,287	\$ 1,158,287	
Construction Observation/Engineering			\$ -	\$ -	\$ -	<i>Performed In-house</i>
Lloyd Park/Spruce Street	\$ 475,510	\$ 398,786	\$ 296,299	\$ 296,299	\$ 296,299	Complete
Design Engineering			\$ 37,143	\$ 37,143	\$ 37,143	
Construction			\$ 259,156	\$ 259,156	\$ 259,156	
Construction Observation/Engineering			\$ -	\$ -	\$ -	<i>Performed In-house</i>
Stormwater rate study	\$ 50,000	\$ 161,866	\$ 179,516	\$ 179,516	\$ 179,516	Complete - includes customer support services
Utility Feasibility Study		\$ 77,500	\$ 77,500	\$ 77,500	\$ 77,500	
Utility Implementation Assistance		\$ 102,016	\$ 102,016	\$ 102,016	\$ 102,016	
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	\$ 2,361,974	Added Forest Glen area, FPD pond restoration, and complete roadway reconstruction to project.
Design Engineering		\$ 226,874	\$ 226,874	\$ 226,874	\$ 226,874	<i>Complete</i>
Sewer Construction		\$ 6,117,230	\$ 6,117,230	\$ 6,117,230	\$ 2,071,521	<i>Payments to date</i>
Pond Engineering		\$ 19,686	\$ 19,686	\$ 19,686	\$ 19,686	<i>Additional design required for FPD pond work</i>
Pond Construction		\$ 342,800	\$ 342,800	\$ 342,800	\$ -	<i>Contract awarded May 19</i>
Construction Observation/Engineering		\$ 116,050	\$ 116,050	\$ 116,050	\$ 43,893	<i>Payments to date</i>
MWRD Phase II Stormwater Funding		\$ (2,000,000)	\$ (2,000,000)	\$ (2,000,000)	\$ -	<i>Reimbursement from MWRD</i>
Willow Rd STADI	\$ 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	\$ 37,750	\$ 37,705	<i>Complete</i>
Permitting and Design		\$ 2,829,245	\$ 2,145,218	\$ 2,145,218	\$ 844,998	<i>MWH Global \$2,094,318; purchase of sampling equipment \$50,900</i>
Construction		\$ 52,426,000	\$ -	\$ -	\$ -	
Construction Observation/Engineering		\$ 2,359,104	\$ -	\$ -	\$ -	
Materials Testing		\$ 35,000	\$ -	\$ -	\$ -	
Project Management		\$ 786,368	\$ -	\$ -	\$ -	
STADI Cost Evaluation and Value Engineering	\$ -	\$ -	\$ 122,004	\$ 122,004	\$ -	Contract awarded June 2, 2015
Total Stormwater Program Costs	\$ 38,099,338	\$ 41,462,997	\$ 66,214,276	\$ 9,925,652	\$ 6,162,846	
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 underway
Total Sanitary Sewer Costs	\$ 1,150,000	\$ 1,150,000	\$ 1,147,247	\$ 630,382	\$ 428,276	

Village of Winnetka
 Stormwater Management Program
 Organizational Chart



KEY	
Position	
Completed	
Ongoing	
Future	