



Project Status Report

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Project Name: Stormwater Utility Fund

Project Number: C-97166-2015

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Summary of Recent Activity

Road Reconstruction

• The concrete curbs under the Road Reconstruction Project have been complete as of September 2015.

New Storm Sewers were installed on Arrowood, Dillon, Maplewood, Crystal and Robb Hollow.

Municipal Separate Storm Sewer System (MS4 Permit)

- Outfall Screenings under the MS4 program are currently being conducted.
- A new MS4 permit was submitted to PA DEP prior to the September 14, 2012 deadline, EPA/DEP has not approved any
 permits yet and therefore the Municipality must follow the original requirements of the MS4 Permit.
- A TMDL (total maximum daily loads) plan was prepared as a requirement to the new MS4 Permit in 2012. After comments from the DEP were received, a revised TMDL Plan prepared and publically advertised for comments. This plan will be submitted to DEP prior to the December 2015 deadline.

Storm Sewer Projects -

- Altoona-Mapleton Storm and Sanitary Sewer Installation Project A new 36" storm sewer and sanitary sewer was installed starting on Rae (near Jayson) and extended down Altoona to approximately Cochran Road. This project will help mitigate flooding to residents on Mapleton Drive.
- Washington Road Ice Spot Due to a spring on the hillside leading from Navaho Drive towards Washington Road in the vicinity of Ordale Boulevard, a major icing issue was created along the sidewalk. The icing issue was not only creating a safety issue for pedestrians and motorists, but also the retaining wall along the side walk was also starting to deteriorate. A new inlet and underdrain were installed and connected into the existing PennDOT system in order to alleviate the problem.
- Arden Lane Inlet Due to lack of inlets, during a rain storms, stormwater would converge to create a large channel directed a home located on Arden Lane causing flooding. A new inlet and storm sewer pipe was installed on Arden Lane. The Municipality has also been in contact with PennDOT about the condition of their inlets on Cochran Road, it was requested that these be upgraded as part of the paving project in 2016.
- Florida Avenue Storm Sewer Stormwater from two roof drains was causing an icing issue on Florida Avenue. A new storm sewer pipe is being installed in the fall of 2015 in order to intercept these drains and connect them into the existing catch basin.
- **Beverly Road Storm Sewer** Stormwater from roof drains were causing an icing issue in the parking area on Beverly. New sidewalk in the Business District was being installed through a Grant with Allegheny County Economic Development. While the grant work was being completed, it was proposed that three new storm sewer extensions be installed in order to prevent the icing issue. This work was completed in the Summer of 2015.

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- Orchard Drive Pipe Bursting Through investigative CCTV work, in response to recent flooding events on Orchard Drive, a collapsed storm sewer pipe was discovered. This pipe was approximately 20' deep and in a very difficult area to excavate, therefore a new segment was installed using Pipe Bursting technologies.
- Roycroft Swale Maintenance Flooding was occurring to residents along Mt. Lebanon Boulevard due to a downed tree
 in a swale behind Roycroft Avenue. The trees and debris within the swale were removed and channel re-established in
 order to prevent the flooding from occurring.
- Lindendale Drive Stream Stabilization Project A new pre-cast concrete wall will be installed near the intersection of Lindendale Drive and Cedar Boulevard in to stabilize the roadway and hillside due to excessive stream erosion. Construction will start in late 2015/early 2016.
- Woodhaven/Forest Glen Storm Sewer Installation Project A new storm sewer was designed to mitigate flooding on Woodhaven and Forest Glen. The project will include the installation of new inlets along Woodhaven and a new storm sewer. Construction will start in late 2015/early 2016.

Storm Sewer CCTV

Various Storm Sewers throughout the Municipality are in the process of being televised to determine the connectivity of
the sewers and their condition. Necessary repairs are being completed as they are discovered.

Upcoming Tasks

- Begin construction of the new storm sewer installation project on Woodhaven and Forest Glen, construction is proposed to start in Late 2015 or Early 2016.
- Begin construction of the Lindendale Drive Stream Stabilization Project, construction is proposed to start in Late 2015 or Early 2016.
- Review Capital Stormwater Report with Commission and determine projects to plan for the future.

Financial Summary

The following is the approximate Financial Summary for the Projects Complete:

Project Name	Cost
Reconstruction	
2012 Curbs	\$ 377,179.50
2012 Storm Extentsion	\$ 96,140.00
2013 Curbs	\$ 432,072.50
2013 Storm Extentsion	\$ 232,196.36
2014 Curbs	\$ 420,749.00
2014 Storm Extentsion	\$ 190,806.00
2015 Curbs - Not Finalized Yet	\$ 501,020.00
2015 Storm Extentsion - Not Finalized Yet	\$ 109,710.00
Sub-Total Reconstruction	\$ 2,359,873.36





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2012 Storm Sewer Projects	
Serpentine Storm Sewer	\$ 61,520.08
Lindendale Storm Sewer	\$ 35,640.01
Adeline Storm Sewer	\$ 32,854.10
Sunrise Storm Sewer	\$ 8,060.00
Elatan Storm Sewer	\$ 57,414.06
Abbeyville Storm Sewer	\$ 9,031.43
Klett Storm Sewer	\$ 2,456.19
Broadmoor Storm Sewer	\$ 3,141.85
Crystal Drive Storm Sewer	\$ 2,418.57
Cochran & Cedar Inlets	\$ 12,394.90
Oak Park Place Inlets	\$ 5,705.10
Scrubgrass Road Stream Rehabilitation	\$ 162,065.21
Storm Sewer CCTV	\$ 2,464.02
Sub-Total 2012 Storm Projects	\$ 395,165.52

2013/2014 Storm Sewer Projects		
Jefferson Drive Storm Sewer - Emergency	\$ 33,217.83	
Kurt Drive Storm Sewer	\$ 10,841.46	
Elatan Drive Storm Sewer	\$ 20,976.33	
Castle Shannon Storm Sewer	\$ 38,917.87	
Morrison Inlet Installation	\$ 6,900.00	
Ice Spots (Piper, Cochran, Park Entrance, Sandrae, Lindendale) - Constructed but Not Finalized	\$ 127,279.02	
Academy Avenue Storm Sewer	\$ 87,359.59	
Moreland Hillside Failure	\$ 9,435.76	
Sleepy Hollow	\$ 179,714.41	
Washington-Navahoe Storm Sewer	\$ 56,971.80	
PA DOT Drainage Improvements	\$ 30,000.00	
Sub-Total 2013/2014 Storm Projects	\$ 601,614.07	



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2015 Storm Sewer Projects *Projects that were designed in 2015, but will be constructed in 2016.			
Scrubgrass Retaining Wall Rehabilitation	\$	12,405.00	
Mapleton Sanitary and Storm Improvements	\$	536,120.00	
Lindendale Drive Retaining Wall	\$	97,745.00	
Longuevue/Woodhaven Storm Sewer *	\$	741,875.00	
Storm Sewer CCTV	\$	30,000.00	
Arden Drive Storm Sewer Extension	\$	34,000.00	
Parkside Drive Inlet Replacement	\$	12,560.00	
Roycroft Swale Maintenance	\$	1,350.00	
Washington Road Icing Issue	\$	10,120.00	
Orchard Drive Pipe Burst	\$	69,500.00	
Beverly Road Storm Sewer	\$	79,390.00	
Sub-Total 2014/2015 Storm Projects	\$	883,190.00	

Public Works Projects	
24 Inlet Repairs	
Repair damaged Storm Sewer	
Repair Vane Grates	
Install French Drain to eliminate water flowing steps and sidewalk	
Install French Drain to eliminate water flowing through parking lot	

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