

## **Stormwater Division Five-Year Plan**

This document is a general overview of goals and objectives that the City of Huntington desires to achieve during the first five years of the proposed stormwater initiative. The specifics of these goals and tasks are subject to many variables, including revenue collections and time needed to hire new personnel, purchase equipment and procure engineering services.

### **Year One: 2014-2015**

#### **Goals:**

The goals for year one are to begin cleaning and repairing storm sewer infrastructure and working toward 100% compliance with the City's Municipal Separate Storm Sewer System (MS4) permit.

#### **Objectives:**

##### *Infrastructure Repairs*

- Develop a priority list of large repairs and/or replacement projects. As crews clean streets and catch basins, broken storm sewer lines will be discovered. Some of these storm lines will be repaired by City crews, while others will require more extensive work.
- Procure engineering services for larger flooding control/management projects that require engineered solutions.

##### *Mapping and data collection*

- Begin first phase of mapping project to determine impervious surfaces throughout the City.
- Create and maintain records of all work performed in the stormwater infrastructure system.
- Document structural defects or failures. This will determine the most cost-efficient method for repairing or replacing stormwater infrastructure.

##### *Regulatory Compliance*

- Continue to implement the regulatory requirements in addition to ramping up those components that have been omitted because of a lack of resources.
- Prepare the stormwater management program as required by the West Virginia Department of Environmental Protection, and organize data for the submission of the annual report.

##### *Housekeeping*

- Develop schedule and routes for the street sweeper and cleaning of catch basins. Conduct catch basin repair when necessary.
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### *Procurement*

- Purchase one street sweeper and one vactor truck to conduct street sweeping and catch basin cleaning.
- Purchase two vehicles for staff to conduct field work
- Solicit bids for the rate study. The rate study will determine the level of service and rates to successfully meet the stormwater regulatory requirements, manage stormwater and conduct maintenance and repair of the storm system in the City.

### *Personnel*

- Hire additional employees in the Public Works Department to conduct routine cleaning, maintenance and light repair work.
- Hire one employee (GIS specialist) to manage the electronic maps and associated data.

### *Outside funding*

- Aggressively pursue applicable grants.

## **Year Two: 2015-2016**

### **Goals:**

The goal for year two is to begin addressing stormwater infrastructure challenges and problems. Storm lines and catch basins that need major repair or replacement will be prioritized and projects that may be conducted in-house will begin.

### **Objectives:**

#### *Infrastructure Repairs*

- Begin the development of a stormwater capital improvement plan. This will include long-term projects such as flooding mitigation on 3<sup>rd</sup> and 5<sup>th</sup> avenues, Arlington Boulevard and underpasses.
- Continue maintenance/replacement of existing stormwater infrastructure.

#### *Mapping and data collection*

- Continue mapping project to determine impervious surfaces throughout the City.
- Continue to manage the electronic maps and associated data as they are generated.

#### *Rate Restructure*

- Begin preparations to revise the stormwater service fee based on findings from the rate study.
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#### *Regulatory Compliance*

- Continue to the stormwater management program implementation in compliance with West Virginia Department of Environmental Protection's standards.

#### *Housekeeping*

- Continue street sweeping and catch basin cleaning schedules.

#### *Outside funding*

- Continue to aggressively pursue applicable grants.

### **Year Three: 2016-2017**

#### **Goals:**

The goal for year three is to continue what was started in years one and two. By year three, the major infrastructure/flooding problems will be identified and prioritized.

#### **Objectives:**

##### *Infrastructure Repairs*

- Continue maintenance/replacement of existing stormwater infrastructure.
- Begin the storm sewer modeling project

##### *Mapping and data collection*

- Begin storm sewer outfall inventory using recently collected mapping data.
- Completion of mapping project.

##### *Rate Restructure*

- Implement new fee structure/ billing application.

##### *Regulatory Compliance*

- Continue to implement the regulatory requirements.

##### *Ordinance Modification*

- Revise all stormwater ordinances, including the stormwater fee ordinance so that the rate structure is based on impervious surfaces.

##### *Housekeeping*

- Continue street sweeping and catch basin cleaning schedules.

##### *Procurement*

- Develop and bid out the long-term projects identified in the capital improvement plan.
  - Purchase a survey-grade GPS unit to maintain mapping data.
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- Finalize the scope of work for urban forestry master planning.

#### **Year Four: 2017-2018**

##### **Goals:**

At year four the Stormwater Division will continue to perform all regulatory tasks necessary, manage mapping data and will conduct routine street sweeping and cleaning of catch basins across the city, while working toward the larger infrastructure repairs dependent upon available dollars.

##### **Objectives:**

###### *Infrastructure Repairs*

- Continue maintenance/replacement of existing storm infrastructure.
- Begin construction on larger infrastructure projects to mitigate flooding throughout the City.

###### *Mapping and data collection*

- Obtain updated data to ensure proper billing. (Data will updated every one to three years to ensure proper billing).

###### *Regulatory Compliance*

- Continue to implement the regulatory requirements.

###### *Housekeeping*

- Continue street sweeping and catch basin cleaning schedules.

###### *Procurement*

- Place out to bid large construction projects, as needed.

###### *Outside funding*

- Explore revenue sources, including grants, for major long-term projects.
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## **Year Five: 2018-2019**

### **Goals:**

The goal of year five is to continue work on larger infrastructure projects that began in year four. The Stormwater Division will continue to perform all regulatory tasks necessary, manage mapping data and to conduct routine street sweeping and cleaning of catch basins across the city.

### **Objectives:**

#### *Infrastructure Repairs*

- Continue maintenance/replacement of existing stormwater infrastructure.
- Continue the construction on larger infrastructure projects to mitigate flooding throughout the City.

#### *Mapping and data collection*

- Continue to manage mapping data as it is generated.

#### *Regulatory Compliance:*

- Continue to implement the regulatory requirements.

#### *Housekeeping*

- Continue street sweeping and catch basin cleaning schedules.

#### *Outside funding*

- Explore revenue sources, including grants, for major long-term projects.
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