



## City Details Flood Control Management Plan

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KENOSHA – The City of Kenosha experienced another major rain event September 11th through the 13th. Between seven and eight inches of rain fell during that period, causing road flooding, basement backups and bypassing of sewage into Lake Michigan.

During July of 2017, another extreme rain event hit Kenosha. Mayor John Antaramian personally toured many of the flooded areas, met with residents and committed to work on improvements to the sanitary and storm sewer systems.

As a result, the Mayor – together with City staff in the Public Works and Kenosha Water Utility – designed improvements with projected costs of \$40 million to address flooding problems as expeditiously as possible.

The Public Works Committee, Board of Water Commissioners and the entire City Council join the Mayor and City staff in their commitment to alleviate flooding problems.

The following major activities detail work that has been done and plans for future construction to address flooding problems in the City of Kenosha.

### Third Avenue & 68<sup>th</sup> Street Bypass Improvements - \$1,000,000

With Lake Michigan reaching the highest levels ever recorded, the bypass is not as efficient. Therefore, approval was received from the Wisconsin Department of Natural Resources to allow the Kenosha Water Utility to install bypass pumps to overcome the water levels. The pumps are on order and a contractor has been hired to install the pumps this fall.

### City-Wide Existing Stormwater Management Plan - \$550,000

The study began in 2012 and is nearly complete. The plan will be finalized in 2020. The study evaluated the capacity of the City's existing storm sewer system and generated flood inundation maps. Water quality controls throughout the City were included in the analysis to show our overall reduction in Total Suspended Solids and Phosphorus.

#### Priority Area Analysis - \$155,000

The analysis is 95% complete and will be finalized in 2020. The analysis was initiated by the July 2017 floods and evaluated eight priority areas that endured significant street and structure flooding. Existing data from the City-Wide Stormwater Plan was used to create alternatives to reduce flooding. Several of the concepts are currently under detailed design and scheduled for construction in 2020.

#### Phase 2 City-Wide Stormwater Plan - \$400,000

Phase 2 will build upon the Existing Stormwater Plan to identify areas of flood concern and develop conceptual alternatives for flood control management throughout the City. The study will begin in 2020 upon final analysis of existing conditions. It is anticipated the concepts will be incorporated into future roadway projects.

#### 60<sup>th</sup> Street Upsized Storm Sewer (Forest Park project) - \$2,250,000 over 4-year span

New and larger storm sewer will be installed along 60<sup>th</sup> Street from 38<sup>th</sup> Avenue to 55<sup>th</sup> Avenue. The storm sewer will bypass stormwater from upstream areas, around Forest Park and to the new Chrysler site basin. Construction will begin in 2020 and will be constructed in segments along with 60<sup>th</sup> Street road construction.

#### Georgetown Basin - \$5,000,000

The City has purchased a seven acre property within the Village of Pleasant Prairie to construct a stormwater basin. New storm sewer will be installed to route flow to the basin, which will reduce flooding near 75<sup>th</sup> Street Pick 'n Save; as well as residential areas. The design is 30% complete and construction will begin in 2020.

#### Former Chrysler Site Basin - \$5,000,000

A large regional basin is currently being designed and will be constructed on the former Chrysler site in 2020. Storm sewers from several areas will be routed to the regional basin to reduce flooding in the Forest Park area; Taft Road and Pershing Boulevard, and 44<sup>th</sup> Avenue at 65<sup>th</sup> Street. The basin will be able to accommodate development at the Chrysler site along with flood areas near 30<sup>th</sup> Avenue, north of 52<sup>nd</sup> Street in the future.

#### 65<sup>th</sup> - 67<sup>th</sup> Streets at 44<sup>th</sup> Ave (McKinley project) - \$1,800,000

Storm sewer upgrades are currently under design to reduce flooding along 44<sup>th</sup> Avenue and Taft Road / Pershing Boulevard. The new storm sewer will be routed to the new Chrysler site basin. The design is 30% complete and construction will begin in 2020.

#### 75<sup>th</sup> Street and 41<sup>st</sup> Avenue (Gerhard's area) - \$11,750,000

A concept identified in the Priority Area Analysis is expected to include upsizing storm sewer and expansion of an existing City-owned basin. Detailed design will begin in 2020.

#### Tremper Area Improvements - \$6,650,000

A concept identified in the Priority Area Analysis with alternatives is under development. Detailed design will begin in 2021.

57<sup>th</sup> Avenue, south of 85<sup>th</sup> Street Improvements - \$3,475,000

A concept identified in the Priority Area Analysis with alternatives is under development. Detailed design will begin in 2022.

30<sup>th</sup> Avenue / 52<sup>nd</sup> Street Area Improvements - \$3,600,000

Identified as an area that could route to the new Chrysler Basin, alternatives will be under development in 2020.

The City of Kenosha is committed to this plan and appreciates the public's patience as these solutions are implemented in a timely manner.