

Pearl Street Storm Drainage Improvements

RJN Group, Inc. was selected by the Village of Godfrey, Illinois to evaluate and design improvements to the Pearl Street stormwater drainage system. The existing drainage facilities in the area were in disrepair, causing inadequate capacity and area flooding.

The RJN team began by reviewing background information about the project area drainage system. A field investigation was then performed to document the size and condition of the existing storm sewers, culverts, and drainage ditches.



A system evaluation was performed, which included quantification of stormwater drainage flow from the area for 10-, 25-, and 100-year storm events. Increased storm flow conveyance was found necessary. The RJN team prepared conceptual drainage solutions with preliminary cost estimates to meet required flow capacity.

The first phase of the project included the design and construction of ditches, culverts, and sewer pipe west of the railroad tracks, and a ditch extending north along the east side of the railroad. A second storm sewer to parallel the existing will be bored beneath the railroad. RJN is currently developing design documents for public bidding of the construction contract.



The second phase of the project will focus further upstream, east of the railroad, to ensure that roadside ditches, culverts and sewer pipe provide adequate drainage capacity.

The study phase of the project was completed in 2007. The first phase of the project is currently in design and is slated for construction in 2008. The second phase of the project is planned for construction in 2009.