

June 2020 *(the scope of this project is continuously updated)*

Project Summary for Community Project Funding Grant

Village of LaGrange Park, Illinois

Central Area Sewer Separation Program

The proposed Central Area Sewer Separation Program is a critically needed project to provide flood relief to residents in LaGrange Park. The proposed storm sewer will provide localized flooding relief to the area of the Village bounded by 31st Street on the north, LaGrange Road on the west, Homestead Road on the south and the IHB Railroad on the east. This area has experienced increased frequency of flooding and damage in recent years. The storm on May 17, 2020 had the greatest extent of flooding and property damage ever recorded for this area. The flooding resulted in damage to structures due to overland runoff and basement back-up. The topography of the area slopes from west to east from Language Road with the IHB Railroad embankment being a barrier on the east. The area is slightly pitched from the north and south to a low area along Monroe Avenue. There are several localized low areas within the broader area, namely the intersections of Barnsdale Road and Jackson Avenues, and on Monroe between Forest Road and Barnsdale Road.

The existing sewer network consists of combination sewers that are inadequate to convey both the sanitary and storm water flows during heavy rain events. When the sewers surcharge into basements or from open catch basin lids in the street, a combination of storm water and sanitary sewage is present creating a great public health concern. This project is of vital importance to the administration, local schools, businesses, and residents to help alleviate and reduce the frequency and magnitude of those types of events.

The Forest Road School is located at Barnsdale Road and Jackson Avenue at the center of a localized low area. When this area floods it endangers not just the building, but the students and faculty as well. The local elementary school district has submitted a letter of support for the project.

A safe and healthy community where residents live and shop helps promote economic growth and stability. A viable neighborhood will attract workers and businesses. This is one of the goals of the Rebuild Illinois capital plan and the Governor's Five-Year Economic Plan. This sewer separation program will help achieve the goal of a safe community where residents desire to live and work without the fear of flooding and the expense of repairing their homes and property. Money used by residents to repair flood damage could be better spent in other areas of the local economy.

The Village will incorporate Affirmative Action stipulations into the project specifications that will require MBE, WBE and SBE participation by the successful bidder. The general contractor will need to submit a Utilization Plan that outlines the DBE vendors or subcontractors they intend to use on the project.

A preliminary plan for the Central Area Sewer Separation Program has been in existence for several years, the Village has not had the funds or resources to move forward and implement the final design and subsequent construction. The project can be built in stages, but the underground storage, the pump station and force main must be built first as a means to collect the water and pump it out. The entire project is estimated to cost approximately \$10,225,00 which includes design and construction engineering services. The first stage of the project, which is part of this application, is estimated to cost about \$7,150,000.

This project is the first stage of a planned network of sewers, storm water detention in pipes or underground storage, and pumped discharge in a force main to Salt Creek. The first stage consists of large diameter 48" and 24" storm sewers installed in Homestead Road and Monroe Avenue that will drain to an 8' x 7' box culvert under Garfield Avenue. The box culvert will be connected to an underground wet well and pump station at Garfield Avenue and Homestead Road. The storm water will be detained in the box culvert and over-sized sewers and then pumped at a controlled rate through a force main that will discharge to Salt Creek. See the attached location map. Future phases of the project will incorporate large diameter storm sewers between Monroe Avenue and Oak Avenue as well as combined surface and underground detention that utilizes Green Infrastructure methods. The project would require permitting through the Metropolitan Water Reclamation District of Greater Chicago (MWRDGC), IDOT, and the Illinois Environmental Protection Agency because of the relocation of a water main on Jackson Avenue.

The village is currently paying the debt service on a road bond which will not expire until 2026. Due to the ever-increasing occurrence of severe storms and heavy rainfall events, the Village feels it can't wait six years to implement a project to reduce this flooding. An award from the Community Project Funding earmark would be a substantial step towards achieving the goal of a safe and livable community that would contribute to the overall economic revitalization the state is seeking.