2019/2020 Local Technical Assistance and Community Planning Programs

Application Number: 28

Project Title: City of Palos Heights GIS Assistance

Applicant: City of Palos Heights

CALL FOR PROJECTS

CMAP

Project Description:

The City of Palos Heights is looking to implement GIS based asset management for its Transportation and Utility Divisions. The City is has a complete GIS roadway network, sanitary network, nearly complete water network, and an incomplete sidewalk network along with the storm sewer network. Currently, the City utilizes paper maps for locates, analysis, and work order management. In addition, the City does not own or utilize any asset management software and is looking to implement a new software in the year 2020.

After evaluating several approaches to its asset management dilemma, the City noted that an accurate GIS database is required to fully take advantage of any asset management software capabilities. With the limited staff and resources, the City of Palos Heights is seeking assistance to complete the GIS Sidewalk and Storm Sewer map within the 3.9 square mile city limits and assistance with the acquisition and implementation of the asset management software like CityWorks, Beehive, or Lucity. Utilizing the right asset management software and an accurate GIS database, the City can provide better tracking of repairs, manage preventative maintenance, control costs, and prioritize replacements.

A current and updated GIS database will allow the City to better analyze problem areas without the added expense and time of field surveys. In addition, City staff and engineers will have more analytical data to address new developments, enhancements, and capital improvement programs regarding transportation and drainage. By obtaining an accurate GIS storm sewers and detention facilities, the City can accomplish the following:

1. Development of a storm water management and urban flooding plan.

2. Progress the monitoring and inspection program of VCBMP facilities and green infrastructure projects under revised MWRD WMO ordinance.

3. Construct an active storm sewer model incorporating Navajo Creek and current infrastructure.

4. Compliance with NPDES requirements electronic database of storm sewer maps.

Project Location: City limits of Palos Heights