



STORMWATER MANAGEMENT COMMISSION

September 18, 2020

TO: Lake County Stormwater Management Commission
FR: Kurt Woolford, Chief Engineer
RE: USGS Stream and Precipitation Gauge Agreements

ACTION REQUESTED: Approval

In a continued effort to increase our level of flood response and improve our flood preparation capabilities in Lake County, we request your approval of the two (2) attached Joint Funding Agreements (JFA) with the United States Geological Survey (USGS). The USGS provides operation, maintenance, and data reporting for the following streamflow and precipitation gauges in Lake County:

1. Mill Creek Streamflow Gauge, Des Plaines River at Russell Road Precipitation Gauge, and Des Plaines River at Gurnee Precipitation Gauge. SMC is the local funding partner and is billed annually for a cost-share in the amount of \$12,640. The USGS provides \$8,160 in annual cost-share funding. The attached JFA for these gauges are for a one (1) year period from October 1, 2020 to September 30, 2021.
2. Des Plaines River at Lincolnshire Streamflow Gauge. The Villages of Lincolnshire and Riverwoods participate in cost-sharing with SMC for this gauge. The USGS does not provide cost-share funding. The gauge provides current flow and water level readings as well as serving as a forecast point for the National Weather Service. This information is extremely useful during flood events. The attached JFA for this gauge includes a total local funding commitment of \$43,200 for a three (3) year period from October 1, 2020 to September 30, 2023. SMC is the primary local funding partner with the USGS. The Villages of Lincolnshire and Riverwoods reimburse SMC 50% of the local funding commitment i.e., \$21,600.

Funding is available for these gauges and are included in SMC's current FY20 and proposed FY21 budget. If you have any questions, please feel free to contact me at kwoolford@lakecountyil.gov.