



MEMORANDUM

TO: Lake County Stormwater Management Commission

DATE: December 28, 2020

FROM: Sharon Østerby, Water Resource Professional
Kurt Woolford, Interim Executive Director & Chief Engineer

RE: Stormwater Infrastructure Repair Fund (SIRF) – FY21 Budget \$108,000

ACTION REQUESTED: APPROVAL OF ELIGIBILITY AUTHORIZATIONS

Fremont Township Highway Department-West Shore Park-Forest Lane Drainage Improvements

SMC staff recommend approval of the Eligibility Authorization for the West Shore Park-Forest Lane Drainage Improvements project. The proposed project scope of work involves the replacement/installation of three storm sewers, a catch basin, two permeable parking areas, and a swale vegetated with native plants to address existing drainage issues at three locations within the subdivision. Consistent with SIRF program objectives, the project will benefit multiple jurisdictions, reduce flood hazard for flood events up to the 100-year event, and eliminate roadway flooding for flood events up to the 10-year. The estimated project cost is \$145,000, with local cost share of \$95,000 and a requested SIRF funding amount of \$50,000. The WMB and SMC staff recommended WMB funding in the amount of \$20,000. SMC Staff recommends SIRF funding in the amount of \$30,000. The SIRF Eligibility Authorization Form, which includes a project description, location map, and other information, for this project is attached.

Village of Wauconda—Bangs Lake Drain Streambank Stabilization Project

SMC staff recommend approval of the Eligibility Authorization for the Village of Wauconda's Bangs Lake Drain Streambank Stabilization project. The proposed project scope involves installation of rip rap to stabilize the section of streambank, and replacement of the headwall structure for the storm sewer that conveys Bangs Lake Drain under Osage Street. Consistent with SIRF program objectives, the project will benefit multiple jurisdictions, prevent structural damages to a Senior Housing facility, and reduce roadway flooding during flood events up to and including the 10-year event. The estimated project cost is \$133,667, with a local cost share of \$83,667 and a requested WMB/SIRF funding in the amount of \$50,000. The WMB and SMC staff recommended WMB funding in the amount of \$36,725. SMC Staff recommends SIRF funding in the amount of \$13,275. The SIRF Eligibility Authorization Form, which includes a project description, location map, and other information, for this project is attached.

Beach Park Ravine & Streambank Stabilization Project

SMC staff recommends approval of the Eligibility Authorization for the Village of Beach Park Ravine & Streambank Stabilization Project. The proposed project scope involves the stabilization of approximately 235 linear feet of streambank and the restoration of approximately 7,755 face feet of ravine bluff. Consistent with SIRF program objectives, the project will benefit multiple jurisdictions, enhance water equality using Best Management Practices, reduce structural damage for residential structures at least the 10-year design storm, and reduce nuisance flooding. The estimated project cost is \$422,234, with a local cost share of \$356,641 and a requested WMB/SIRF funding amount \$75,000. The WMB and SMC staff recommended WMB funding in the amount of \$8,900. SMC Staff recommends SIRF funding in the amount of \$64,725. The SIRF Eligibility Authorization Form, which includes a project description, location map, and other information, for this project is attached.