



DuPage River Salt Creek Workgroup

Completion of Phase I. Non point Source Phosphorous Reduction Feasibility Analysis

Project Overview

The DuPage River Salt Creek Workgroup (DRSCW) wishes to acquire professional services to assist with the analysis and documentation of phosphorous (P) reduction in stormwater wash off from area leaf litter management and street sweeping practices.

The area of study are the banks of the DuPage River (West, East and Lower DuPage) and Salt Creek, an area of 530 square miles. This area contains approximately 75 agencies with authority over a public transport system which may have a leaf litter and street sweeping program.

The DRSCW recognizes that there are severe limitations to removing P in stormwater wash off via structural BMPs. Such BMPs are expensive, urban public investments are already crowded with utilities, and ponds and other structures require extensive maintenance to continue to remove P, even switching from strips to sources over time. Additionally, studies (Selling 2014) suggest that as much as 60% of P in area urban wash off comes from fall leaf litter. Based on these findings, the DRSCW has chosen to focus of its non point source P reduction strategy on source reduction.

In order to gather data to perform this analysis, the DRSCW along with its partners: 1) issued an area-wide questionnaire covering elements of leaf litter management and street sweeping in 2021. 2) Developed a high-resolution spatial database showing the overlap and corridor boundaries between tree canopy and public transportation networks.

In order to meet the project schedule commitments, the DRSCW is soliciting Statement of Interest (SOI) from engineering and environmental firms for the work related above. SOIs shall be limited to not more than two (2) x 112 pages and include, at a minimum, the following information: name of firm with address and contact information; contact person for the firm; statement indicating firm's interest in the project; a summary of projects similar in scope and magnitude recently completed by the firm; a list of personnel/staff who would be assigned to the project; a list of personnel/sub consultants, if any; and a brief technical approach to the project.

Consultant Scope of Services

The consultant will be responsible to perform, but not limited to, the following tasks:

- Assist DRSCW with providing its decision to strategically focus NPS phosphorous reduction on source reduction, specifically leaf litter reduction.
- Assist DRSCW staff with analyzing the results from the 2021 street sweeping and leaf litter questionnaire.
- Assist DRSCW staff with calculations to approximate P currently captured by current street sweeping practices using the University of Minnesota Street Sweeping Planning Tool or other similar tool or model.
- Assist DRSCW staff with calculations to approximate P captured by current leaf litter practices by using data from USGS, the DRSCW's spatial data base and results from the leaf litter survey.