

SD8450 – Stormwater Bond Program Management Services, Asset Collection and Condition Assessment Services, Operation & Maintenance Support Services

Project Description: This project includes services to assist the City’s stormwater staff in all activities necessary to operate, maintain, improve, administer, and provide stormwater management of the City’s stormwater system and to facilitate and integrate activities that benefit and improve watershed conditions across the City’s stormwater service area. This project also includes services to assist the City with the administration of stormwater capital improvement projects (CIPs). The task breakdown from the 2024 calendar year scope is attached.

Objectives: This project provides support services to assist stormwater staff in the management of the Stormwater Bond Program, the continued collection and condition assessment of the City’s stormwater infrastructure, and support for operation & maintenance activities for the City’s stormwater system.

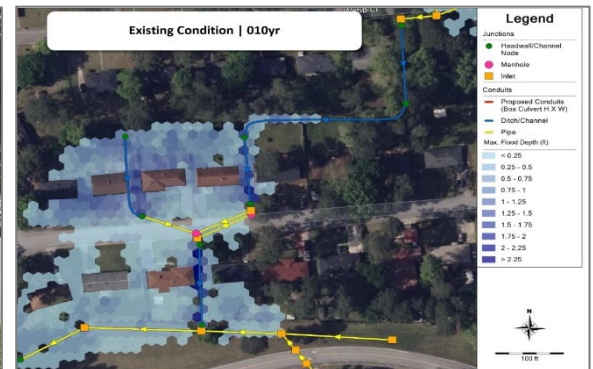
Project Type: Program Management Services

Council District: 1, 2, 3, and 4

Project Funding: This project is being funded through a combination of the City’s Stormwater Bond Program and the City’s stormwater operating fund. Annual funding varies depending on current program needs, but is generally around \$2 million. **Council is asked to approve funding in the amount of \$2,040,000 for the 2023-2024 contract year.**

Current Project Status: The three-year (with the option to renew for an additional two years) Stormwater Bond Program Management Services contract was executed in October 2022. Woolpert was selected through a competitive RFQ process and submitted with a project team that includes Chao & Associates Inc, PJ Noble & Associates Inc, HDR Engineering, and WE3 Consulting. The program management team assists the City with CIP Project implementation, stormwater system inventory and condition assessment services, public outreach, construction administration services, stormwater program policy development, response to emergency stormwater system needs, urgent maintenance concerns, as well as other duties as assigned.

Project Contact: Frances Bryan, PE
Assistant City Engineer – Design
803.545.3544 | frances.bryan@columbiasc.gov
<https://columbiascwater.net/capital-improvement-projects/>



Woolpert's proposed scope for the 2024 calendar year is broken out into three main parts with each part having a number of tasks identified. Below is a description of the program goals relevant to each scope part, as well as a listing of the tasks included in that part.

Part 1: Capital Improvement Project (CIP) Services

Under Part 1 of the project scope, Woolpert will provide a range of services all directed at supporting City staff in the successful implementation of storm drainage CIPs. These services span the lifecycle of a CIP, from the earliest part of project development through the construction closeout process.

Task 1 - Project Identification / Prioritization

Task 2 - Concept Plan Development

Task 3 - Construction Plan Review and Approval

- *Project Plans*
- *Identify LID/GI Opportunities*
- *Calculating Pollutant Trapping Efficiencies*
- *Value Engineering*
- *Compliance with City's Design Standards*
- *Constructability Review*
- *SWMM Model Review and Development Services*

Task 4 - Project Permitting

Task 5 - Construction Administration / Inspections / Project Closeout

- *Bid Phase Services*
- *Construction Administration Services*

Task 6 - Maintenance Easement Review and Acquisition Services

Task 7 - Project Management / Other

Part 2: Asset Management Program Services

Under Part 2 of the project scope, Woolpert will continue to assist the City with its implementation of an asset management program for stormwater. This assistance includes the completion of inventory data collection and database integration for stormwater infrastructure in GIS. Services also include the ongoing assessment of critical infrastructure and identification of assets for detailed inspection and repair. Under this contract, the Woolpert team will also perform operation & maintenance functions as needed to supplement City crews and to keep City owned storm drainage assets functioning as designed.

Task 1 - Goal Setting

Task 2 - Asset Criticality

- *Criticality Analysis*
- *Maintenance for Various Stormwater Assets*
- *CCTV of Stormwater Pipes*

Task 3 - Inventory Assessment

Task 4 - Policy Development

Task 5 - Strategy Documents

- *Data Management Strategy, Life Cycle Analysis Strategy*

Task 6 - Field Data Collection Procedures

- *Stormwater Inventory Assessment and Geodatabase Recommendations*
- *Inventory Data Collection for Man-made Systems*
- *Inventory Data Collection for Natural Systems*
- *Field Data Collection and Data Management Training*

Task 7 - Condition Assessment

Task 8 - Asset Management Plan

Task 9 - Operation & Maintenance (O&M) of Storm Drainage Assets

- *Existing O&M (Annually Occurring)*
- *On-Call O&M Services*

Task 10 - Technical Support and On-Call GIS Services

Task 11 - Project Management / Other

Part 3: Program Management and Other Services

The third part of this project scope includes services to generally support program implementation. These services will include public outreach activities conducted in support of the stormwater program implementation. Services may also include specialized support not anticipated at the time of this contract request, for example, technical demonstrations for staff on technologies which the City is adopting or discussions with program leadership regarding emerging trends in stormwater in the Southeast.

Task 1 - Kickoff Meeting

Task 2 - Public Outreach Services

Task 3 - Project Administration

Task 4 - Other Duties as Assigned
