

Department of Public Works – Engineering Division

MEMO

TO: Utilities Committee

FROM: Paula Vandehey, Director of Public Works
Ross Buetow, Deputy Director- Engineering
Pete Neuberger, Staff Engineer

DATE: March 17, 2020

RE: Award of 2020G Stormwater Consulting Services Single Source Contract for Lightning Drive Culverts and Stormwater Practices 60% Preliminary Design to raSmith in an amount not to exceed \$107,250.

The Department of Public Works is requesting approval of the 2020G Stormwater Consulting Services Single Source Contract for Lightning Drive Culverts and Stormwater Practices 60% Preliminary Design to raSmith in an amount not to exceed \$107,250.

PROJECT HISTORY

The area generally bound by Ballard Road to the west, Broadway drive to the north, French Road to the east, and Edgewood Drive to the south has experienced significant development pressure in recent years. This pressure is expected to continue into the next several years until the area is built out. An essential component necessary for continued development is the extension of Lightning Drive from 600 feet north of Edgewood Drive (CTH JJ) to Broadway Drive, to serve as a transportation and utility corridor.

In the fall of 2018, DPW staff continued the planning of Lightning Drive by soliciting proposals to qualified firms to perform a drainage study with 30% engineering design. At the December 11, 2018 Utilities Committee, DPW Staff recommended that contract award to raSmith. The award memo identified DPW staff's intent to continue working with raSmith through Lightning Drive final design without an RFP process, should staff determine that raSmith met expectations during the drainage study and subsequent contracts.

raSmith completed the study contract in November 2019, while meeting DPW staff's expectations to develop cost-effective stormwater management solutions for Lightning Drive. The raSmith study identified two proposed stream crossings and five proposed stormwater ponds, with corresponding conveyance, for stormwater management. raSmith completed the assigned deliverables with the 30% engineering design of these components, along with preliminary cost estimates. DPW staff were pleased with the engineering services provided by raSmith throughout the contract.

PROJECT SCHEDULE

The proposed development schedule of the Lightning Drive corridor is as follows:

- 2020: Preliminary (60%) engineering design of two stream crossings, five stormwater ponds, and corresponding stormwater conveyances, and apply for DNR and USACE permits
- 2021: Begin final engineering design of two stream crossings, five stormwater ponds, and corresponding stormwater conveyances; obtain DNR and USACE permits.
- 2022: Land acquisition for roadway and ponds, and complete final design.
- 2023: Construction of Lightning Drive, bridges, and stormwater ponds.

CONTRACT SCOPE

As proposed, the consultant will:

- Perform detailed modeling of alternatives for stormwater conveyance, flood control and water quality for the streets and culverts to meet City, State, and Federal requirements
- Work iteratively with City designs of the utilities and streets.
- Perform detailed analysis of options for stormwater practices to meet requirements for both street construction and tributary private development areas.
- Develop a Stormwater Management Plan documenting proposed practices to meet City, State, and Federal Stormwater Management requirements.
- Perform 60% design of two Lightning Drive culverts and five stormwater ponds and develop preliminary engineering drawings of these components.
- Prepare permit applications to State and Federal Regulators.

Work by DPW and others will include design field survey, roadway and utility design, -as well as geotechnical analysis for the culverts and ponds under Unit M-20.

RECOMMENDATION

raSmith was selected for the original drainage study based on a competitive RFP process in 2018 and has performed well on this project and on other recent and ongoing DPW stormwater consulting projects. Their recent work on this project makes raSmith well-positioned to provide continued cost-effective services moving forward using a negotiated, single-source contract scope; furthermore raSmith proposes using the same staff for the proposed contract. Therefore, DPW is requesting permission to contract with raSmith for these design services using a negotiated contract scope.

In conclusion, the Department of Public Works is requesting approval of the 2020G Stormwater Consulting Services Contract for Lightning Drive Culverts and Stormwater Practices 60% Preliminary Design to raSmith in an amount not to exceed \$107,250. With satisfactory performance by raSmith during 60% design, DPW staff anticipate requesting future authorizations to contract with raSmith for final design and construction related services without an RFP process.