

Department of Public Works – Engineering Division

MEMO

TO: Utilities Committee

FROM: Paula Vandehey, Director of Public Works
Pete Neuberger, Staff Engineer

DATE: July 19, 2016

RE: Award 2016H Contract for Coop Road Pond Modeling and Design Assistance to AECOM in an amount not to exceed \$38,700

The Department of Public Works is requesting approval of the Coop Road Pond Modeling and Design Assistance Contract with AECOM in an amount not to exceed \$38,700. After this contract \$250,643 will remain in the 2016 stormwater consulting services budget.

Coop Road Pond is a regional stormwater detention pond built in 2008 that serves approximately the east half of the Southpoint Commerce Park. When re-evaluating the pond design for the purpose of meeting recent development prospects in Southpoint Commerce Park, DPW staff determined that USDA had changed the classification of soils in the drainage area since the original design. The reclassification of soils will result in higher modeled flows from the drainage area. DPW staff also determined that recent development prospects in Southpoint Commerce Park reflected sites with higher imperviousness than were assumed in the initial pond design calculations.

Given the above changes, DPW staff and the Community and Economic Development Department identified the need to remodel the pond to determine whether and to what degree the pond may need to be enlarged to help ensure it will meet the needs of likely future development within Southpoint Commerce Park. AECOM performed the initial flood study and the preliminary and final design modeling for the pond. Therefore, DPW solicited a single source quote from AECOM to provide updated modeling and related services for the pond as follows:

- Run Hydrologic and Hydraulic (H&H) modeling to reflect current City ordinance and industry standards for peak flow management.
- Develop several H&H model iterations to reflect various impervious conditions for consideration by City staff.
- Re-run water quality modeling using the latest version of SLAMM under the above scenarios.
- Develop a memorandum reflecting possible changes to pond size needed under the above scenarios.
- Develop a preliminary pond grading plan based on preferred alternative selected by City.
- Based on grading plan refinements developed by the City, re-run modeling as needed.
- Assist the City with development of pond earthwork quantities based on final design by City.
- Assist the City with documentation and submittal for DNR Chapter 30 and Construction Site (NOI) permitting.
- Develop final H&H and SLAMM models per final pond design by City.

DPW staff evaluated AECOM's technical and compensation proposal for these services and determined it to be cost-effective compared to similar projects.

Therefore DPW staff is requesting award of the 2016H Contract for Coop Road Pond modeling and design assistance with AECOM in an amount not to exceed \$38,700.