

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
Sue Olson, Staff Engineer

DATE: September 16, 2015

RE: Award of 2015E Stormwater Consulting Services Contract for Spartan Drive Culvert and Stormwater Practices Preliminary Design and Lift Station Stormwater Management Plan to Brown & Caldwell in an amount not to exceed \$133,855.

The Department of Public Works is requesting approval of the 2015E Stormwater Consulting Services Contract with Brown & Caldwell for Spartan Drive Culvert and Stormwater Practices Preliminary Design and Lift Station Stormwater Management Plan to Brown & Caldwell in an amount not to exceed \$133,855. After this contract \$8,498 will remain in the 2015 stormwater consulting services budget.

HISTORY

The following activities have occurred in the northwest growth area of the City:

- In 2008, the City officially mapped Spartan Drive from Richmond Street to Meade Street.
- In 2008 the City entered into a Development Agreement with Clearwater Creek, LLC. This agreement commits to installing a City owned regional sanitary sewer lift station to replace the Developer owned temporary lift station in Clearwater Creek subdivision.
- In 2014, Brown and Caldwell completed a Stormwater Evaluation of the Spartan Drive corridor to look at the applicable regulations and possible stormwater practices to meet regulations for the road construction. The study also looked at the possibility of regional stormwater practices to serve the road construction and development. This was a very broad, conceptual study.
- In 2015, the City entered into contract with Applied Technologies to design, bid and provide construction related services for the Spartan Drive Lift Station.
- The Northwest Regional (now called Spartan Drive) Sanitary Lift Station has been in the City's CIP since 2007.

SCHEDULE

As design of the Spartan Drive sanitary lift station and development interest in the area has progressed, the need to define the stormwater practices to serve this area has become imminent. The proposed schedule for this area is as follows:

In 2015:

- Complete design of the Spartan Drive Lift Station
- Anticipate carry over of construction funds for the Spartan Drive lift station to 2016
- Begin preliminary engineering and design (60%) of the culvert for Spartan Drive, just west of

officially mapped Sommers Drive

- Perform detailed study and begin Preliminary Engineering of stormwater practices (60%) for:
 1. Spartan Drive from Richmond Street to east of Haymeadow Avenue
 2. Officially mapped Sommers Drive from 500 feet south of Spartan Drive to 500 ft north
 3. Haymeadow Avenue from north of Spartan Drive to the existing terminus south of Spartan Drive
 4. The Richmond Street/Spartan Drive intersection
- City Engineering begin preliminary engineering, in conjunction with Brown and Caldwell work, for the sanitary sewer, water main, storm sewer, and pavement design of the streets listed above
- Obtain right-of-way and annex:
 1. The Spartan Drive lift station parcel and temporary access/construction area 500' to the west
 2. Spartan Drive from Richmond Street to Haymeadow Avenue
 3. Haymeadow Avenue from Spartan Drive to existing terminus north of Bluewater Way
 4. Sanitary Sewer force main easement area between Spartan Drive and Haymeadow Avenue
- OMNNI Associates will perform geotechnical investigation for the Spartan Drive culvert under the 2015 Materials Testing Contract

In 2016:

- Council approval of carry over request
- Bid and construct the Spartan Drive sanitary lift station and associated sewer main and force main
- Complete 2015 contract work for detailed study and preliminary engineering of stormwater practices

In 2017:

- Contract with Brown and Caldwell for Final Engineering and permitting of stormwater practices identified in 2015 project
- City Engineering completes sanitary, storm, water main and street design for the above listed streets

In 2018:

- Construct sanitary sewer, storm sewer, water main, stormwater practices, and streets, as listed above

CONTRACT SCOPE

The 2014 Spartan Drive stormwater evaluation was a very broad, conceptual study. This contract will provide the next steps in determining the appropriate stormwater management practices to construct the utilities and road in 2018. The consultant will:

- Perform detailed modeling of alternatives for stormwater conveyance, flood control and water quality for the streets and culvert to meet City, Town and State requirements
- Work iteratively with City designs of the utilities and streets
- Prepare a Stormwater Management Plan for the Spartan Drive Lift Station project to meet Town of Grand Chute requirements
- Perform detailed analysis of options for stormwater practices to meet requirements for both street construction and private development

- Perform 60% design of Spartan Drive culvert and selected stormwater practices
- Develop preliminary engineering drawings for selected practices
- Develop preliminary engineering report with updated cost estimates
- Begin permitting (some permits need to be obtained before others can be submitted)

The City will perform survey and will contract with OMNI Associates under the 2015 Materials Testing Contract for geotechnical analysis for the culvert.

RECOMMENDATION

Brown and Caldwell was selected for the original Stormwater Evaluation based on a competitive RFP process in 2013. They have performed well on past projects and are also performing well under their current contract for the Northland Pond Final Design. Because they prepared the original study less than a year ago and propose the same staff for this next contract, as well as Brown & Caldwell's efficient and cost-effective performance on other projects, DPW is requesting permission to contract with Brown & Caldwell for these design services using a negotiated contract scope.

Therefore, the Department of Public Works recommends approval of the 2015E Stormwater Consulting Services Contract with Brown & Caldwell for Spartan Drive Culvert and Stormwater Practices Preliminary Design and Lift Station Stormwater Management Plan to Brown & Caldwell in an amount not to exceed \$133,855.