

Department of Public Works – Engineering Division

MEMO

TO: Utilities Committee

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

DATE: April 5, 2017

RE: Award of 2017C Stormwater Consulting Services Contract for Spartan Drive Culverts and Stormwater Practices Sixty Percent (60%) Design and Permitting to Brown & Caldwell in an amount not to exceed \$202,767.

The Department of Public Works is requesting approval of the 2017C Stormwater Consulting Services Contract with Brown & Caldwell (BC) for Spartan Drive Culvert and Stormwater Practices Sixty Percent (60%) Design and Permitting in an amount not to exceed \$202,767. After this contract \$383,033 will remain in the 2017 stormwater consulting services budget.

Brown and Caldwell was selected for the original Stormwater Evaluation of the Spartan Drive corridor (Richmond Street to Meade Street) based on a competitive RFP process. They have shown efficient and cost-effective performance on the Stormwater Evaluation, the Spartan Drive Preliminary Engineering and on other projects as well. Therefore, DPW is requesting permission to contract with BC for these design services using a negotiated contract scope.

The 2015E Spartan Drive culverts and stormwater BMPs preliminary design contract is nearly complete. Based on the results of the preliminary engineering, City and BC staff met with the Wisconsin Department of Natural Resource (WDNR) and Army Corps of Engineer (ACOE) on March 22, 2017, as required, prior to submitting permits for construction of the Spartan Drive infrastructure. City staff had planned to submit two permit applications, splitting the Spartan Drive corridor at Haymeadow Avenue, to correspond to construction years and ensure each phase of construction was completed within the permit time limit. However, WDNR has instructed the City that Spartan Drive from Richmond Street to Meade Street, including both creek crossings and eight BMPs, must be submitted in one permit application.

The construction of Spartan Drive from Richmond Street to Meade Street requires large culverts to cross Bear Creek and Apple Creek, and eight stormwater practices (BMPs) to address the water quantity and quality changes from the new roadway and some amount of development. Per the Preliminary Engineering, the eight BMPs include 4 wet ponds, one biofilter, one flood storage area, and two water quality roadside swales. It is anticipated that the construction of Spartan Drive will begin mid to late 2018 and take several years to complete. (A portion of the sanitary sewer was constructed in 2016 and the new sanitary lift station is currently under construction.)

Under this contract, the consultant will:

- Complete 60% design and construction drawings of the culverts and BMPs
- Complete the water quality and quantity modeling to support the 60% plans, including inlet capacity calculations

- Work iteratively with City staff on the design of the utilities and streets
- Provide the base files for the City to prepare legal descriptions and acquire the necessary property
- Obtain additional survey, if needed
- Provide updated cost estimates at the 60% design milestone and for the 2018 and 2019 budget processes.
- Attend various meetings with City staff at key project milestones
- Submit the WDNR and ACOE permit applications, respond to questions during the permitting process, and attend a public hearing, if needed

Provided the current level of service continues and key staff remain part of the project team, future contract requests with BC are anticipated for the Spartan Drive corridor without an RFP process. These include Final Design and Specifications, Operation and Maintenance Manuals and Construction Related Services for various years, and are subject to approval by the Utilities Committee and Common Council at the appropriate time and budget availability.