

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 20, 2016

RE: Amend 2015E Stormwater Consulting Services Contract for Spartan Drive Culvert and Stormwater Practices Preliminary Design and Lift Station Stormwater Management Plan with Brown & Caldwell in an amount not to exceed \$4,235.

The Department of Public Works is requesting to amend the scope of services for 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 \$4,235. If the amendment is approved, the total contract amount will be \$189,695. After this amendment, \$395,500 will remain in the 2016 stormwater services consulting budget.

In September 2015, a contract with Brown & Caldwell was approved to perform 60% preliminary engineering and design, including preparation of state and federal permits, of three stormwater practices and a box culvert to cross Bear Creek in the Spartan Drive area and prepare the Stormwater Management Plan for the Spartan Drive sanitary sewer lift station. The contract addressed Spartan Drive from Richmond Street (STH 47) to Haymeadow Avenue and Haymeadow Avenue from the existing south terminus to Spartan Drive.

In January 2016, the Utilities Committee and Common Council approved the first amendment to the contract to add 60% preliminary engineering and design of two additional stormwater practices between Richmond Street and Haymeadow Avenue and begin the state and federal permitting process. This amendment also included preparing the WDNR Ch. 30 permit for the Spartan Drive sanitary lift station.

On April 12, 2016 the Utilities Committee reviewed the second amendment to the contract, reallocating the contract amount to perform preliminary engineering on the additional stormwater practices and stream crossing required to construct Spartan Drive between Haymeadow Avenue and Meade Street, with no change in the contract amount.

The scope of work for this third amendment is obtaining the field survey needed to complete the preliminary engineering of the additional practices identified in the second contract amendment. This survey is needed to perform accurate computer modeling for the structure crossing Apple Creek and the additional stormwater practices for Spartan Drive east of Haymeadow Avenue. Aerial topography is limited due to vegetative cover, and as little as one foot of difference between actual elevations and aerial topography can impact the computer modeling necessary for this design. At this time, City Survey Crews have a full workload with this year's paving and utility reconstruction projects and are unable to obtain this additional field survey in the Spartan Drive area in time to keep the preliminary engineering work moving forward. It is also important that this survey be obtained before farming practices and crops prevent it.

Therefore, the Department of Public Works recommends approving the third amendment to 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 \$4,235.