Department of Public Works – Engineering Division

MEMO

TO: Utilities Committee

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

DATE: September 17, 2019

RE: Amend 2019G French Road Urbanization Study Contract with raSmith by an amount not to exceed $9,100.

The Department of Public Works requests approval to amend the 2019G French Road Urbanization Study Contract with raSmith by an amount not to exceed $9,100. If the amendment is approved, the total contract amount will increase to $37,100.

French Road from Evergreen Drive to Broadway Drive is a rural two-lane road located within the City's northeast growth area. As development continues to occur nearby, such as Emerald Valley to the west and North Edgewood Estates to the east, the need for urbanization of French Road increases to allow for efficient regional traffic flow. Planned urbanization of the roadway is accompanied by the need to provide stormwater conveyance and management per City and DNR requirements. This contract allows the City to begin planning and budgeting for the design and construction of an urbanized French Road, and currently includes the following items:

1. Identify and analyze potential stormwater management practices to meet required peak flow and water quality, including potential use of the existing Emerald Valley stormwater pond.
2. Develop and analyze alternative conveyance of stormwater runoff.
3. Prepare 30% conceptual engineering plans with budget level cost estimates for the selected stormwater management facilities, stormwater conveyance system, and French Road urbanization

During ongoing development of the study, raSmith identified additional subtasks for which completion at this stage is important. Their completion will improve study results and avoid the need to make assumptions that may lead to backtracking and increased costs during future 60% design. The following additional subtasks are proposed:

1. Include with 30% design the roadway and storm sewer profiles and grading tie-ins.
2. Perform HEC-RAS floodplain modeling for the Apple Creek Northeast tributary.
3. Update existing hydrologic model to reflect changes in USDA hydrologic soil groups.

DPW has identified sufficient funds remaining in the 2019 stormwater consulting budget to fund the additional scope of work.