


COUNCIL COMMUNICATION

 CITY OF DES MOINES OFFICE OF THE CITY MANAGER	Number:	22-032	Meeting:	February 7, 2022
	Agenda Item:	8	Roll Call:	22-152
	Submitted by:	Jonathan A. Gano, P.E., Public Works Director, and Steven L. Naber, P.E., City Engineer		

AGENDA HEADING:

Approving Supplemental Agreement No. 4 to the Professional Services Agreement (PSA) with Barr Engineering Company for additional professional services for Des Moines Levee Alterations - Phase C, for an amount not to exceed \$95,600.

SYNOPSIS:

Recommend approval of Supplemental Agreement No. 4 to the PSA with Barr Engineering Company (John T. Lee, President, 4300 Market Pointe Drive, Suite 200, Minneapolis, Minnesota, 55435), for an additional amount not to exceed \$95,600, based on hourly labor rates and reimbursable costs, to provide Iowa Confluence Water Trails (ICON) project coordination and required design changes to the Des Moines Levee Alterations – Phase C project design as a result of the ICON project located at the Scott Avenue Dam.

FISCAL IMPACT:

Amount: \$95,600 - Costs for this Supplemental Agreement will be reimbursed by ICON.

Funding Source: 2021-2022 CIP, Page 101, Flood Mitigation Improvements, SM087, Storm Water Revenue Bonds, Sales Tax Increment Fund, Storm Water Utility Fund-

ADDITIONAL INFORMATION:

- Phase C incorporates the downstream reaches of the DM-I and DM-III levee systems along the Des Moines River from approximately the confluence with Raccoon River to just downstream of SE 14th Street. Phase C construction is estimated to cost \$14,200,000. Construction of the Phase C public improvement project is anticipated to begin in spring 2022 and be completed at the end of 2023.
- On May 7, 2018, by Roll Call No. 18-0752, City Council approved the PSA for Phase C with Barr Engineering Company for a total cost not to exceed \$1,020,800, based on hourly rates, to provide design phase services.
- Supplemental Agreement No. 1 to the PSA with Barr Engineering Company for an additional amount not to exceed \$24,900, based on hourly rates, was approved by the City Engineer on July 3, 2019, to provide SE 9th Street Storm Water Pump Station Seepage Mitigation Design for Des Moines Levee Alterations – Phase C.

- Supplemental Agreement No. 2, for an additional amount not to exceed \$341,354, based on hourly rates, was approved by City Council on March 9, 2020, to provide additional environmental study, design of additional height levee, closed circuit pipe televising, and design sheet reconfiguration services for Des Moines Levee Alterations – Phase C.
- Supplemental Agreement No. 3, for an additional amount not to exceed \$260,800, based on hourly rates, was approved by City Council on January 25, 2021 by Roll Call No. 21-0074, to provide borrow site evaluation, additional coordination and design services for levees related to the SE 9th Street Pump Station and SE 4th and Van Buren Pump Station, tree impact evaluation, additional seepage mitigation design, SE 6th Street levee closure options, potential failure mode analysis and design related to 48-inch watermain crossings, SE 14th Street trail and ramp grading design, interior drainage improvements near Eagle View Loft complex, Jackson Basin Outlet assessment and modifications, and Meredith Bridge access ramp design services for Des Moines Levee Alterations – Phase C.
- Staff negotiated Supplemental Agreement No. 4 to the PSA with Barr Engineering Company for an additional amount not to exceed \$95,600, based on hourly rates and reimbursable costs, to provide additional professional services related to Levee Phase C project and as result of the ICON project including:
 - Project management including meetings and ICON project plan reviews.
 - Coordination and implementation staging between Phase C and ICON projects.
 - Additional geotechnical review to analysis ICON project elements and the impact to Phase C design.
 - Drawing and plan revisions related to the ICON maintenance ramp embankment, rip-rap protection, staging and detours, Gatewell 410 grading and drainage, trails, and access.
 - Updates related to the Design Documentation Report for U.S. Army Corps of Engineers Section 408 review.
 - Environmental services related to changes to Phase C changes with incorporation of ICON project elements.
 - Costs for this Supplemental Agreement will be reimbursed by ICON.



PREVIOUS COUNCIL ACTION(S):

Date: January 25, 2021

Roll Call Number: [21-0074](#)

Action: Approving the following three Supplemental Agreements to the Professional Services Agreements (PSA) related to the Des Moines Levee Alterations – Phase A, B, and C: ([Council Communication No. 21-031](#))

- (C) [Approving](#) Supplemental Agreement No. 3 to the Professional Services Agreement with Barr Engineering Company for additional professional services for Des Moines Levee Alterations – Phase C, not to exceed \$260,800. Moved by Boesen to adopt. Motion Carried 7-0.

BOARD/COMMISSION ACTION(S): NONE

ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:

Supplemental Agreements for Construction Phase Services for Phases B and C shown in the above figure will be presented for future Council consideration. Professional services agreements for Phases D-H shown in the above figure will also be presented for future Council consideration.

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