


COUNCIL COMMUNICATION

	Number:	25-052	Meeting:	February 10, 2025
	Agenda Item:	9	Roll Call:	25-0170
	Submitted by:	Jonathan A. Gano, P.E., Public Works Director and Steven L. Naber, P.E., City Engineer		

AGENDA HEADING:

Approving Supplemental Agreement No. 3 to the Professional Services Agreement (PSA) with Barr Engineering Company for professional services for George Flagg Parkway and Fleur Drive Floodgate Closure, not to exceed \$227,500.

SYNOPSIS:

Recommend approval of Supplemental Agreement No. 3 to the PSA with Barr Engineering Company (Ward Swanson, President, 4300 Market Pointe Drive, Suite 200, Minneapolis, Minnesota 55435) for an additional amount not to exceed \$227,500, based on hourly rates and reimbursable costs, to provide construction engineering services for George Flagg Parkway and Fleur Drive Floodgate Closure.

FISCAL IMPACT:

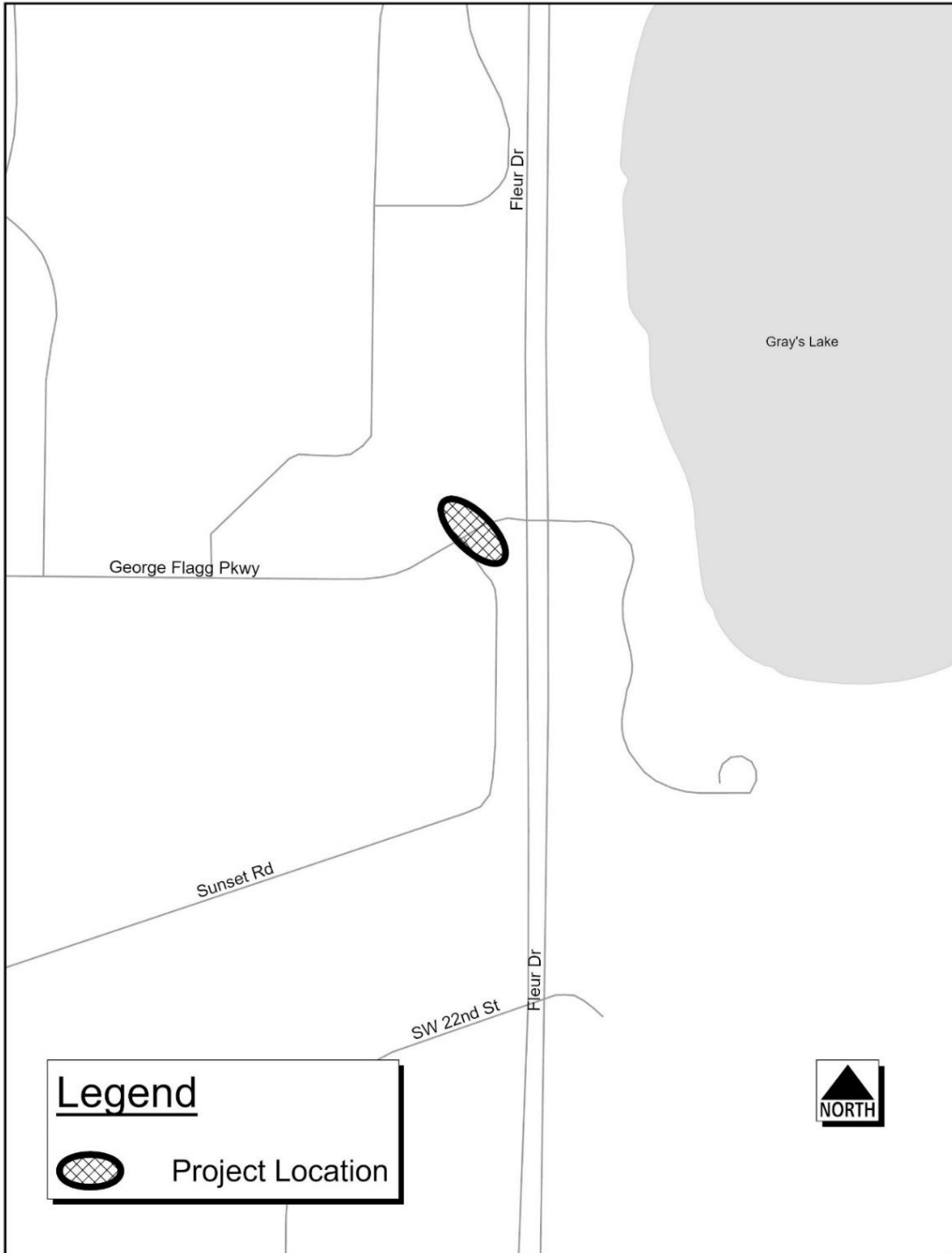
Amount: \$227,500

Funding Source: Fiscal Year (FY) 2024-2025 Capital Improvement Program (CIP), Page 95, George Flagg Parkway Levee Replacement Study, SM137, Storm Water Utility Fund

ADDITIONAL INFORMATION:

- This project provides for the replacement of the panel-type levee closure across George Flagg Parkway, just west of Fleur Drive, that is used for flood protection purposes within the Raccoon River floodway.
- The existing floodgate closure was originally installed in 1996. It is the largest panel closure in the levee system and one of the oldest. The existing closure is difficult and very labor intensive to install, typically taking five (5) to seven (7) hours to assemble. There is an increased risk that the levee closure may not be installed in time to prevent flooding during rapidly rising river conditions. This levee closure protects approximately 150 acres of property including the Des Moines Water Works Administration Building and multiple commercial properties. A new closure structure will reduce the time to install the closure and improve flood fighting capabilities.

- The project includes replacing the panel closure with a new fabricated steel roller flood gate closure, similar to what is installed at Ding Darling Park on Saylor Road near Guthrie Avenue.
- To assist City staff with the design of the George Flagg Parkway and Fleur Drive Floodgate Closure, a Request for Proposals (RFP) for professional services was issued and posted on the City's website. A selection committee of Engineering Department staff reviewed and rated the two (2) proposals received in response to the RFP. Barr Engineering Company was selected to provide services for this project based upon the selection criteria in the RFP and their thorough project approach, understanding, and related project experience.
- On August 22, 2022, by Roll Call No. 22-1310, the City Council approved a PSA with Barr Engineering Company for design services for George Flagg Parkway and Fleur Drive Floodgate Closure, not to exceed \$348,700.
- Supplemental Agreement No. 1 to the Agreement for Professional Services with Barr Engineering Company for an additional amount not to exceed \$22,200, based on hourly labor rates and reimbursable costs, was approved by City Engineer on October 30, 2023, to provide additional design services for George Flagg Parkway and Fleur Drive Floodgate Closure. Supplemental Agreement No. 1 included design of an additional 35 feet of floodwall replacement to the southeast of the floodgate closure structure to replace the existing compromised floodwall and performing traffic studies and development of exhibits for recommended lane closures, roadway width adjustments, and slip lane removal.
- Supplemental Agreement No. 2 to the Agreement for Professional Services with Barr Engineering Company for an additional amount not to exceed \$21,000, based on hourly labor rates and reimbursable costs, was approved by City Engineer on February 9, 2024, to provide additional design services for George Flagg Parkway and Fleur Drive Floodgate Closure. Upon completion of the additional design services completed as part of Supplemental Agreement No. 1, it was discovered there would be an increased flood elevation which would cause additional and unanticipated stress on the floodwall foundations. To avoid a pile foundation system, the Consultant performed a refined bearing capacity analysis accounting for soil layers below the top clay layer to produce a higher allowable bearing capacity, revised the seepage analysis including a stepwise analysis of the cutoff depth following increased seepage pressures resulting from the increased flood elevations, and assembled additional drawings, details, and specifications detailing aesthetic elements of the floodwall including a form liner, concrete coloration, precast concrete pedestal and wall caps, and a closer cover plate.
- City staff have negotiated Supplemental Agreement No. 3 to the PSA with Barr Engineering Company to provide construction administration and construction observation for George Flagg Parkway and Fleur Drive Floodgate Closure Project.
- This project was bid on November 5, 2024, and awarded for construction by the City Council on December 9, 2024. The project is anticipated to be completed by winter 2025.



PREVIOUS COUNCIL ACTION(S):

Date: December 9, 2024

Roll Call Number: [24-1672](#) and [24-1673](#)

Action: On George Flagg Parkway and Fleur Drive Floodgate Closure: Resolution approving plans, specifications, form of contract documents, engineer's estimate, receive and file bids, and designating the lowest responsive, responsible bidder as WRH, Inc. (James G. Rich, President), \$2,084,416. ([Council Communication No. 24-487](#)) Moved by Mandelbaum to adopt. Second by Voss. Motion Carried 7-0.

(A) Approval of contract and bond. Moved by Mandelbaum to adopt. Second by Voss. Motion Carried 7-0.

Date: August 22, 2022

Roll Call Number: [22-1310](#)

Action: Approving PSA with Barr Engineering Company for professional services for George Flagg Parkway and Fleur Drive Floodgate Closure, not to exceed \$348,700. ([Council Communication No. 22-383](#)) Moved by Gatto to adopt. Second by Boesen. Motion Carried 7-0.

BOARD/COMMISSION ACTION(S): NONE

ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:

City staff does not anticipate any future Council actions on this PSA at this time; however, unanticipated changes to this PSA will require a Supplemental Agreement, which may require Council action.

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