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A Request from the Director, Department of Administrative Services (DAS), regarding Authorization to Execute a Professional Services Agreement Exceeding \$300,000 for Capital Project WP0706011 -South Shore Breakwater Repairs, by recommending adoption of the following:

A RESOLUTION

WHEREAS, the existing South Shore rubble mound breakwater is about 1,200 feet off the shoreline of Lake Michigan, and parallels the shoreline for approximately 2.25 miles; and

WHEREAS, the South Shore Breakwater (Breakwater) serves as a near-shore structure that protects the shoreline and coastal assets along Cupertino, South Shore, and Bay View Parks; and

WHEREAS, over the years, the existing stones have been displaced due to storm events and ice forces, causing flattening to the Breakwater; and

WHEREAS, age, high water, and wave action have resulted in numerous openings in the Breakwater, and large stones that make up the structure have been moved into the adjacent navigation channel; and

WHEREAS, Capital Project WP0706011 – South Shore Breakwater Repair was approved in the 2021 Adopted Capital Budget in the amount of \$1,066,417, to complete the planning, design, and construction documents for repair of the north and south segments of the Breakwater; and

WHEREAS, significant investments have been made to the Oak Leaf Trail, South Shore Yacht Club, South Shore Boat Launch, and related assets, that rely on the protection of the north section of the Breakwater; and

WHEREAS, the north section of the Breakwater will be rehabilitated to increase the crest of the Breakwater to a consistent height, to protect the infrastructure land side of the Breakwater; and

WHEREAS, planning and design for the repair of the south section of the Breakwater, located off the shoreline of Bay View Park, will look at the most cost-effective alternative between rehabilitating the south section of the Breakwater, or dismantling the south section and constructing a revetment along the shore of Bay View Park; and

WHEREAS, planning for the south Breakwater segment will look at the effectiveness of each alternative in protecting the shoreline from erosion, and any potential environmental concerns; and

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WHEREAS, an initial contract valued under \$100,000 was executed with W.F. Baird & Associates (Baird), to begin the field data collection, with the understanding that field data collection on Lake Michigan needs to occur before winter conditions set in on the lake; and

WHEREAS, executing the initial contract allowed the data collection to occur, while authorization from the Milwaukee County Board of Supervisors is requested to execute the remainder of the contract, which exceeds \$300,000; and

WHEREAS, this second fee increase will include the remainder of Baird's scope of services as originally negotiated, and the fee increase is to conduct an overwater geotechnical investigation; and

WHEREAS, this investigation will characterize existing soil layers to support the design of the north Breakwater upgrade, and allow the consultant to complete the Phase 1 design scope; and

WHEREAS, in addition, the fee increase allows the consultant to resume design for Phase 2 of the work being the south Breakwater, as included in the original scope of work; and

WHEREAS, the Committee on Finance, at its meeting of July 21, 2022, recommended adoption of File No. 22-811 (vote 7-0); now, therefore,

BE IT RESOLVED, pursuant to Section 59.52(31), Wisconsin State Statutes, and Chapter 56, Milwaukee County Code of General Ordinances, the Milwaukee County Board of Supervisors hereby approves execution of a fee increase to W.F. Baird & Associates' Professional Services Agreement up to \$332,497.09, for Capital Project WP0706011, South Shore Breakwater Repair, resulting in a not-to-exceed contract value up to \$1,031,696.09.

srb
07/21/2022
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