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3 The Director of DAS respectfully requests authorization to execute a fee increase up to  
4 \$154,000 for an amendment to the professional services agreement with W.F. Baird &  
5 Associates, Ltd. for design services for capital project WP0706011, South Shore  
6 Breakwater Repair, resulting in a Not to Exceed (NTE) contract value up to  
7 \$1,185,696.09, by recommending adoption of the following:

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9 **A RESOLUTION**

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11 WHEREAS, the existing South Shore rubble mound breakwater is about 1,200  
12 feet off the shoreline of Lake Michigan, and parallels the shoreline for approximately  
13 2.25 miles; and

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

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

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

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

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

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

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

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

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WHEREAS, an appropriation of \$2.4 million is included in the 2023 Capital Improvements Budget, to begin the repair of the breakwater as the minimum needed to protect the shoreline from additional damage; and

WHEREAS, an initial contract valued under \$100,000 was executed with W.F. Baird & Associates, Ltd. (Baird) to begin the field data collection, with the understanding 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

WHEREAS, the fee increase is to conduct an overwater geotechnical investigation, which 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 Southshore Breakwater, as included in the original scope of work; and

WHEREAS, this third fee increase is to the existing Baird contract that will provide technical support during tendering, and construction observation services during repair of the breakwater needed to protect the shoreline from additional damage; and

WHEREAS, the Committee on Finance, at its meeting of June 15, 2023, recommended adoption of File No. 23-614 (vote 6-0); now, therefore,

BE IT RESOLVED, pursuant to Section 59.21(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', Ltd., Professional Services Agreement in an amount up to \$154,000, for Capital Project WP0706011, South Shore Breakwater Repair, resulting in a not-to-exceed contract value up to \$1,185,696.09.

srb  
06/15/2023  
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