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The Director of DAS respectfully requests authorization to amend the TBE Commitment to the professional services agreement with W.F. Baird & Associates, Ltd. for design services for capital project WP0706011, South Shore Breakwater Repair, with a Not to Exceed (NTE) contract value up to \$1,031,696.09, 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 of 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

45 WHEREAS, planning for the south Breakwater segment will look at the
46 effectiveness of each alternative in protecting the shoreline from erosion and any
47 potential environmental concerns; and
48

49 WHEREAS, an initial contract valued under \$100,000 was executed with W.F.
50 Baird & Associates (Baird) to begin the field data collection, with the understanding that
51 field data collection on Lake Michigan needs to occur before winter conditions set in on
52 the lake; and
53

54 WHEREAS, executing the initial contract allowed the data collection to occur
55 while authorization from the Milwaukee County Board of Supervisors is requested to
56 execute the remainder of the contract, which exceeds \$300,000; and
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58 WHEREAS, the Targeted Business Enterprise participation has been reduced
59 from 10 percent to 6 percent, with the physical model of the Breakwater being created in
60 Australia; and
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62 WHEREAS, this second fee increase will include the remainder of Baird's scope
63 of services as originally negotiated; and
64

65 WHEREAS, the fee increase is to conduct an overwater geotechnical
66 investigation, and this will characterize existing soil layers to support the design of the
67 north Breakwater upgrade, and allow the consultant to complete the Phase 1 design
68 scope; and
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70 WHEREAS, in addition, the fee increase allows the consultant to resume design
71 for Phase 2 of the work being the south Breakwater as included in the original scope of
72 work; and
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74 WHEREAS, the Committee on Finance, at its meeting of July 21, 2022,
75 recommended adoption of File No. 22-836 (vote 7-0); now, therefore,
76

77 BE IT RESOLVED, that pursuant to Section 59.52(31), Wisconsin State Statutes,
78 and Chapter 56, Milwaukee County Code of General Ordinances, the Milwaukee
79 County Board of Supervisors hereby approves execution of a fee increase to W.F. Baird
80 & Associates' professional services agreement up to \$332,497.09 for Capital Project
81 WP0706011, South Shore Breakwater Repair, resulting in a not-to-exceed contract
82 value up to \$1,031,696.09.
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87 \\Fi01wpchc\comclerk\$\Committees\2022\July\FINANCE\Resolutions\22-836 DAS - Baird Prof Serv Agreement -
88 Southshore Breakwater Repair.docx