

C7 AA A RESOLUTION OF THE MAYOR AND CITY COMMISSION OF THE CITY OF MIAMI BEACH, FLORIDA, AUTHORIZING THE CITY MANAGER TO NEGOTIATE AND EXECUTE AN AMENDMENT TO THAT CERTAIN CONTRACT (THE "CONTRACT") DATED JUNE 2, 2023 BY AND BETWEEN THE CITY AND STRUCTURAL PRESERVATION SYSTEMS, LLC, PURSUANT TO INVITATION TO BID NO. 2023-042-DF, FOR REPAIRS TO BRIDGE NO. 876719 ON 77TH STREET (THE "77TH STREET BRIDGE") OVER THE TATUM WATERWAY; SAID AMENDMENT APPROVES ADDITIONAL CONSTRUCTION SERVICES IN THE AMOUNT OF \$71,235.29 TO IMPLEMENT A TEMPORARY, ENGINEERED, SHORING SYSTEM IN KEY POINTS NEEDED TO PROVIDE STABILITY TO THE 77TH STREET BRIDGE DURING ITS REHABILITATION, UTILIZING THE REMAINING CONTRACT BALANCE IN THE AMOUNT OF \$65,059.43, THEREBY INCREASING THE CONTRACT PRICE BY\$6,175.86 TO A TOTAL PROJECT COST OF \$665,059.36.

Applicable Area:



COMMISSION MEMORANDUM

TO: Honorable Mayor and Members of the City Commission

FROM: Eric Carpenter, City Manager

DATE: June 25, 2025

TITLE: A RESOLUTION OF THE MAYOR AND CITY COMMISSION OF THE CITY OF MIAMI BEACH, FLORIDA, AUTHORIZING THE CITY MANAGER TO NEGOTIATE AND EXECUTE AN AMENDMENT TO THAT CERTAIN CONTRACT (THE "CONTRACT") DATED JUNE 2, 2023 BY AND BETWEEN THE CITY AND STRUCTURAL PRESERVATION SYSTEMS, LLC, PURSUANT TO INVITATION TO BID NO. 2023-042-DF, FOR REPAIRS TO BRIDGE NO. 876719 ON 77TH STREET (THE "77TH STREET BRIDGE") OVER THE TATUM WATERWAY; SAID AMENDMENT APPROVES ADDITIONAL CONSTRUCTION SERVICES IN THE AMOUNT OF \$71,235.29 TO IMPLEMENT A TEMPORARY, ENGINEERED, SHORING SYSTEM IN KEY POINTS NEEDED TO PROVIDE STABILITY TO THE 77TH STREET BRIDGE DURING ITS REHABILITATION, UTILIZING THE REMAINING CONTRACT BALANCE IN THE AMOUNT OF \$65,059.43, THEREBY INCREASING THE CONTRACT PRICE BY \$6,175.86 TO A TOTAL PROJECT COST OF \$665,059.36.

RECOMMENDATION

The Administration recommends approval of the increase to the contract award between the City and Structural Preservation Systems, LLC ("SPS") in the amount of \$6,175.86, for repairs to the 77th Street Bridge over Tatum Waterway, to implement a temporary, engineered, shoring system in key points, needed to provide stability to the 77th Street Bridge, during its rehabilitation, for a total project cost of \$665,059.36.

BACKGROUND/HISTORY

The 77th Street Bridge, located in the Biscayne Point neighborhood, between Hawthorne Avenue and Tatum Waterway Drive, serves as a critical path for residents and emergency services. Based on consistent evaluations by the Florida Department of Transportation ("FDOT") in 2022 and 2024, the 77th Street Bridge has been receiving an average sufficiency rating of 62, below FDOT's recommended minimum threshold of 70. This rating indicates a borderline condition - not yet critical, but in need of attention. It acts as a decision point to begin planning repairs or more frequent monitoring to prevent further deterioration.

Pursuant to Invitation to Bid ("ITB") No. 2023-042-DF, Structural Preservation Systems, LLC (SPS), was awarded a contract to perform substructure, superstructure, concrete repairs, pile jacket installations, and other restorative work to the 77th Street Bridge. The project began in June, 2024, and was completed in March, 2025.

ANALYSIS

During the restorative work, SPS encountered newly unidentified, severely deteriorated concrete elements on key structural pillars, including beams, bent caps, and pilings. These conditions were not visible or foreseeable when the bid was presented, exceeding the approved contract award in the amount of \$658,883.50.

To safely proceed with the bridge's repairs, SPS implemented a temporary engineered shoring system in key points (DU-14/15/16, DU-6/9/17, and PC-20). These efforts involved the coordination of a third-party structural engineer, additional field crews, specialty equipment, and an extended labor schedule. The conditions and additional work were documented through daily Construction Engineering Inspection ("CEI") reports, time and material ("T&M") tracking, and communications between the City, CEI consultant ("CGA"), and the contractor. The total cost of the shoring work amounted to \$71,235.29. There is a remaining balance in the amount of \$65,059.43, exceeding the contract award by \$6,175.86. The Administration finds these costs fair and reasonable.

The Administration is requesting approval of the additional \$6,175.86 to the contract award in the amount of \$658,883.50 for a total project cost of \$665,059.36, to cover the shoring system needed to safely complete the 77th Street Bridge repairs.

FISCAL IMPACT STATEMENT

Account Code: 302-0815-069357-29-410-522-00-00-00-22920 \$6,175.86.

CONCLUSION

The Administration recommends approval of the increase to the contract award between the City and Structural Preservation Systems, LLC ("SPS") in the amount of \$6,175.86, for repairs to the 77th Street Bridge over Tatum Waterway, to implement a temporary, engineered, shoring system in key points, needed to provide stability to the 77th Street Bridge, during its rehabilitation, for a total project cost of \$665,059.36.

Applicable Area

North Beach

Is this a "Residents Right to Know" item, pursuant to City Code Section 2-17?

Yes

Is this item related to a G.O. Bond Project?

No

Department

Public Works

Sponsor

Co-Sponsor

Condensed Title

Execute Amendment 1 to SPS Agreement, 77th Street Bridge over Tatum Waterway. PW

Previous Action (For City Clerk Use Only)

Resolution: _____

A RESOLUTION OF THE MAYOR AND CITY COMMISSION OF THE CITY OF MIAMI BEACH, FLORIDA, AUTHORIZING THE CITY MANAGER TO NEGOTIATE AND EXECUTE AN AMENDMENT TO THAT CERTAIN CONTRACT (THE "CONTRACT") DATED JUNE 2, 2023 BY AND BETWEEN THE CITY AND STRUCTURAL PRESERVATION SYSTEMS, LLC, PURSUANT TO INVITATION TO BID NO. 2023-042-DF, FOR REPAIRS TO BRIDGE NO. 876719 ON 77TH STREET (THE "77TH STREET BRIDGE") OVER THE TATUM WATERWAY; SAID AMENDMENT APPROVES ADDITIONAL CONSTRUCTION SERVICES IN THE AMOUNT OF \$71,235.29 TO IMPLEMENT A TEMPORARY, ENGINEERED, SHORING SYSTEM IN KEY POINTS NEEDED TO PROVIDE STABILITY TO THE 77TH STREET BRIDGE DURING ITS REHABILITATION, UTILIZING THE REMAINING CONTRACT BALANCE IN THE AMOUNT OF \$65,059.43, THEREBY INCREASING THE CONTRACT PRICE BY \$6,175.86 TO A TOTAL PROJECT COST OF \$665,059.36.

WHEREAS, bridge no. 876719 on 77th Street (the "77th Street Bridge"), located in the Biscayne Point neighborhood between Hawthorne Avenue and Tatum Waterway Drive, serves as a critical path for residents and emergency services; and

WHEREAS, based on consistent evaluations by the Florida Department of Transportation ("FDOT") in 2022 and 2024, the 77th Street Bridge has been receiving an average sufficiency rating of 62, below FDOT's recommended minimum threshold of 70; and

WHEREAS, this average sufficiency rating of 62 indicates a borderline condition – not yet critical, but in need of attention – and acts as a decision point to begin planning repairs or more frequent monitoring to prevent further deterioration; and

WHEREAS, pursuant to Invitation to Bid No. 2023-042-DF, Structural Preservation Systems, LLC ("SPS") was awarded a contract to perform substructure and superstructure work to the 77th Street Bridge, including concrete repairs, pile jacket installations and other restorative work (the "Project"); and

WHEREAS, the awarded contract amount to SPS totaled \$658,883.50, including a 10% contingency of \$59,898.50; and

WHEREAS, the Project began in June 2024; and

WHEREAS, during the restorative work, SPS encountered previously unidentified, severely deteriorated, concrete elements on key structural pillars including beams, bent caps and pilings; and

WHEREAS, these deteriorated concrete elements were not visible or foreseeable when the bid was presented; and

WHEREAS, to safely proceed with the Project, SPS implemented a temporary engineered shoring system (the "Shoring System") in key points (DU-14/15/16, DU-6/9/17 and PC-20); and

WHEREAS, the Shoring System involved the coordination of a third-party structural engineer, additional field crews, specialty equipment and an extended labor schedule; and

WHEREAS, the conditions and additional work were documented through daily Construction Engineering Inspection ("CEI") reports, T&M (time and materials) tracking and communications between the City, a CEI consultant and SPS; and

WHEREAS, there is a remaining Project balance in the amount of \$65,059.43, including a remaining contingency fund for the Project in the amount of \$59,898.50, but the total cost of the Shoring System amounts to \$71,235.29; and

WHEREAS, the Administration finds the cost for the Shoring System fair and reasonable; and

WHEREAS, the Administration is requesting approval of an additional \$6,175.86 to be added to the existing contract award in the amount of \$658,883.50, for a total project cost of \$665,059.36, to cover the excess cost for the Shoring System after application of the remaining contingency fund.

NOW, THEREFORE BE IT DULY RESOLVED BY THE MAYOR AND CITY COMMISSION OF THE CITY OF MIAMI BEACH, FLORIDA, that the Mayor and City Commission hereby authorize the City Manager to negotiate and execute an amendment to that certain Contract (the "Contract") dated June 2, 2023 by and between the City and Structural Preservation Systems, LLC, pursuant to Invitation to Bid No. 2023-042-DF, for repairs to bridge no. 876719 on 77th Street (the "77th Street Bridge") over the Tatum Waterway; said amendment approves additional construction services in the amount of \$71,235.29 to implement a temporary, engineered, shoring system in key points needed to provide stability to the 77th Street Bridge during its rehabilitation, utilizing the remaining Contract balance in the amount of \$65,059.43, thereby increasing the contract price by \$6,175.86 to a total project cost of \$665,059.36.

PASSED and ADOPTED this ____ day of _____ 2025.

Steven Meiner, Mayor

ATTEST:

Rafael E. Granado, City Clerk

APPROVED AS TO
FORM & LANGUAGE
& FOR EXECUTION

City Attorney

6/16/2025
Date