



Memorandum

Memorandum No: 25-073

TO: Honorable Mayor and Members of the Fort Lauderdale City Commission

FROM: Rickelle Williams, City Manager *RW*

DATE: June 4, 2025

SUBJECT: Emergency Purchase – Strongback Repair to Bridge 865773 Located on West Lake Drive at the Lucille River, about 150 Feet South of Lucille Drive

This memorandum is being issued to inform you of the emergency purchase of construction services required to address urgent repairs to Bridge #865773, located on West Lake Drive at Lucille River, approximately 150 feet south of Lucille Drive.

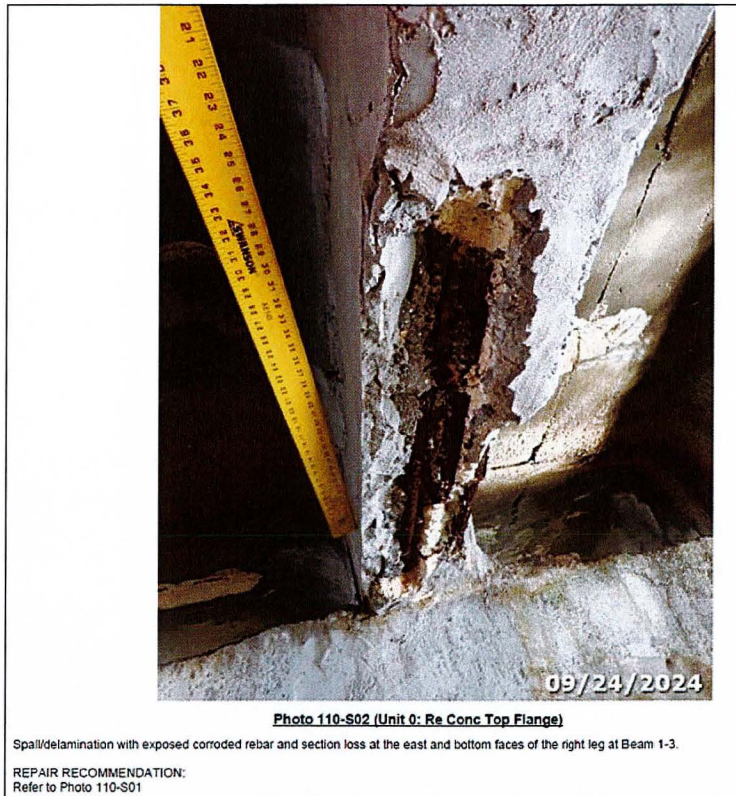
On May 16, 2025, Engineer Control Systems, the City's bridge repair contractor, alerted Public Works staff of a critical issue concerning the scheduled repair of Bridge #865773. The contractor raised concerns about the compromised structural integrity of the twin tees, which poses a risk of collapse during the removal of unsound concrete in the concrete beams supporting the vehicular deck.

To address this issue, the strongback repair method will be implemented. This technique has been successfully used in similar situations. The method involves installing a steel beam on the vehicular deck directly above the damaged twin tees, which will be connected to the tees below using vertical steel rods. This approach will create a transformed section that provides temporary structural support during the repair process while ensuring the safety of both the construction crew working beneath the bridge and the civilians who use the bridge daily.

As part of this traffic maintenance plan, the bridge will be partially closed, with only one lane at a time open in each direction. The estimated cost to complete the repair project is \$100,950.00. The work is scheduled to commence on June 16, 2025, and will continue through August 29, 2025, allowing ample time to complete the necessary repairs.

I appreciate the support of the City Commission in the completion of this emergency purchase and associated work. If you require any additional information, please contact Talal Abi-Karam, Acting Director Public Works at TAbi-Karam@fortlauderdale.gov or call 954-828-5299.

Photos



**FLORIDA DEPARTMENT OF TRANSPORTATION
BRIDGE MANAGEMENT SYSTEM
Inspection/CIDR Report with PDF attachment(s)
(INTERIM INSPECTION REPORT)**

Structure ID: 865773
DISTRICT: D4 - Ft. Lauderdale

Inspection

INSPECTION DATE: 9/24/2024 NURS



c: D'Wayne M. Spence, Interim City Attorney
David R. Soloman, City Clerk
Patrick Reilly, City Auditor
City Manager's Office
Department Directors