

RESOLUTION 2025-14

A RESOLUTION BY THE CITY COMMISSION OF THE CITY OF FLAGLER BEACH, TO AWARD A CONTRACT TO MOFFATT & NICHOL (M&N) FOR THE FEE OF \$ \$349,500 TO PROVIDE CONSTRUCTION SUPPORT SERVICES IN THE CAPACITY OF ENGINEER OF RECORD (EOR) OVERSEEING THE CONSTRUCTION OF THE FLAGLER BEACH PIER; PROVIDING FOR CONFLICT AND AN EFFECTIVE DATE.

WHEREAS, the City hired the firm of Moffatt & Nichol to design Project #260 Flagler Beach Pier Construction; and

WHEREAS, City staff solicited a proposal (Exhibit A) from Moffatt & Nichol, to provide construction support services;

NOW THEREFORE BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF FLAGLER BEACH, AS FOLLOWS:

SECTION 1. The City of Flagler Beach City Commission approves the proposal submitted by Moffatt & Nichol in an amount not to exceed \$349,500 (Exhibit A) for construction support services related to Project #260 Flagler Beach Fishing Pier.

SECTION 2. The City Commission authorizes City Staff to issue a Notice to Proceed.

SECTION 3. All resolutions or parts of resolutions in conflict herewith be and the same are hereby repealed.

SECTION 4. This Resolution shall become effective immediately upon passage as provided by law.

PASSED AND ADOPTED THIS 13th DAY OF FEBRUARY, 2025.

CITY OF FLAGLER BEACH, FLORIDA
CITY COMMISSION

ATTEST:

Patti King, Mayor

Penny Overstreet, City Clerk

Attachment
Exhibit A

January 15, 2025

City of Flagler Beach
105 S. 2nd Street
Flagler Beach, Florida 32136

Attn: Dale Martin, City Manager

Subject: Flagler Beach Pier – Construction Support Services

Dear Mr. Martin:

Moffatt & Nichol (M&N) is submitting this proposal to provide construction support services to the City of Flagler Beach (the City) during the Flagler Beach Pier construction project. This work is a continuation of our engineering services provided during the planning, permitting, design and bid phases of this project. Construction support services will be performed in three tasks:

- Task 1: On-Site Construction Observations and Meetings
- Task 2: Engineering Office Support
- Task 3: Geotechnical Engineering Support

M&N will work closely with the City, the City's construction manager (CM), the Contractor, and stakeholders toward the pier construction's technical alignment with the engineering design and construction documents and produce a set of record drawings following construction completion.

Task 1: On-Site Construction Observations and Meetings

Scope:

Moffatt & Nichol will perform regular on-site observations to support the City's construction management team during pre-construction and throughout construction, including:

- Attending up to two (2) in-person pre-construction meetings with the Contractor and stakeholders.
- Attending up to six (6) public meetings and City Commission meetings and presenting, as needed, to keep the public informed on progress.
- Performing site visits and attending in-person meetings. M&N staff will be on site four (4) to eight (8) days per month with greater presence during the start and toward the end of construction.
- Reviewing construction progress based on the approved schedule maintained by the CM and responding to Contractor inquiries while on site.
- Generating daily field reports documenting observations with photographs while on site.
- Preparing a pre-punch list as the project is nearing substantial completion.

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- Preparing a punch list at substantial completion.
- Performing final walk through with the City and CM.

Dependencies/Special Requirements:

- Construction management services and continuous onsite representation are not included and will be provided by the City.
- A temporary workspace for on-site staff will be provided by the City or the Contractor that includes a desk and internet connection.
- Construction inspection and materials testing are not included. M&N staff will be on site to observe construction progress and conformance with the contract documents and to facilitate technical communications, not to perform construction inspection and materials testing tasks.
- Pre-construction and construction activities are anticipated to have durations of two (2) and sixteen (16) months, respectively.

Deliverables:

- Daily field visit reports summarizing observations with photographs.
- Pre-punch list and punch list following substantial completion.

Task 2: Engineering Office Support

Scope:

M&N staff will provide in-office engineering construction support services that include Contractor shop drawing reviews, submittal reviews, responding to Contractor and CM RFIs (requests for additional information) during construction, and participating in virtual meetings with the Contractor and the City's construction management team. Services for this task include:

- Reviewing shop drawings and submittals from the Contractor.
- Responding to Contractor and CM RFIs expeditiously during construction.
- Developing construction sketches, as needed, to clarify the design drawings for the Contractor.
- Reviewing Contractor-provided as-built surveys.
- Performing required design modifications and issuing drawing revisions, accordingly.
- Working with our subconsultant, Tierra, to verify the geotechnical site conditions.
- Issuing record drawings following construction completion that include any design modifications and Contractor-provided redlines/as-built surveys.

Dependencies/Special Requirements:

- Contractor to provide redlines and as-built surveys as they become available.
- As-built surveys provided by the Contractor will be signed and sealed by a licensed FL surveyor.
- Construction management services and continuous onsite Owner representation is not included and will be provided by the City.
- Review and processing of contractor pay applications is not included.
- Environmental permitting compliance support is not included.



Deliverables:

- RFI responses within ten (10) days of receipt.
- Submittals and shop drawing review comments within ten (10) days of receipt.
- Record drawings incorporating revisions and Contractor as-built surveys and redline drawings.

Task 3: Geotechnical Engineering Support

The geotechnical engineering support services will be performed by Tierra as a subconsultant to M&N. Tierra will utilize the Contractor's working platform for access to perform four (4) geotechnical verification borings along the length of the new pier. Once the additional borings have been completed, M&N and Tierra will work together on verifying the initial pile designs.

Scope:

The geotechnical exploration and evaluation to supplement the final design criteria and construction of the new pier will include the following:

- Executing a program of subsurface exploration consisting of four (4) Standard Penetration Test (SPT) borings using a track-mounted drill rig completed from the top of the working platform to be constructed by the Contractor
 - The borings will be performed to a depth of approximately 125 feet below the elevation of the working platform (approximate elevation +25 feet NAVD).
 - The soil sampling will be performed in accordance with the American Society for Testing and Materials (ASTM) test designation D-1586.
 - Typically, SPT resistance N-values will be taken continuously to a depth of ten (10) feet below the sea floor and on intervals of five (5) feet thereafter.
- Visually classifying soil samples in the lab using the Unified Soil Classification System (USCS)
- Identifying soil conditions at each of the boring locations and perform a laboratory testing program.
- Evaluating the design pier foundation piles based on the new SPT boring results and design loads, including performing axial capacity analyses, lateral load analyses, and determining estimated pile tip elevations.
- Preparing an engineering report summarizing the work performed, field data generated, subsurface conditions encountered, and engineering recommendations.

Dependencies/Special Requirements:

- The Contractor's working platform must be capable of supporting the drill equipment, which weighs approximately 27,000 pounds requires a minimum working space of approximately 25 ft by 10 ft.
- The Contractor will provide access for Tierra's equipment onto the working platform, including cranes if needed, and to the boring locations. Costs related to equipment rental or other means necessary to facilitate access to the boring locations for Tierra's drill equipment are not included.

Deliverables:

- Final Geotechnical Report



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Project Schedule

This proposal has a duration of eighteen (18) months from notice to proceed / Contractor selection that includes two (2) months of pre-construction activities and sixteen (16) months of construction.

Fees

Professional engineering fees for the above referenced services will be Lump Sum and are summarized in the table below. M&N will invoice each month on a percent completed basis. This proposal is valid for sixty (60) days from date on proposal cover sheet.

Task	Description	Fees
1	On-site Construction Observation and Meetings	\$183,800
2	Engineering Office Support	\$92,900
	<i>Subtotal</i>	<i>\$276,700</i>
3	Geotechnical Engineering Support	\$72,800
	TOTAL	\$349,500

We appreciate the opportunity to submit this proposal, and we look forward to supporting the City of Flagler Beach during construction of this iconic project. Should you have any questions, please contact Gabriel Perdomo at 813.695.9562 or gperdomo@moffattnichol.com.

Sincerely,

MOFFATT & NICHOL



Michael Herrman, PE

Vice President



Gabriel Perdomo, PE

Senior Project Manager