

Lower Cape Fear Water & Sewer Authority  
Regular Board Meeting Minutes  
September 9th, 2024

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Chairman Knight called to order the Authority meeting scheduled on September 9<sup>th</sup>, 2024, at 9:00 a.m. and welcomed everyone present. The meeting was held at the Authority's office located at 1107 New Pointe Boulevard, Suite 17, Leland, North Carolina. Director DeVane gave the invocation.

**Roll Call by Chairman Knight:**

**Present:** Norwood Blanchard, Patrick DeVane, Wayne Edge, Harry Knight, Scott Phillips, Charlie Rivenbark, Bill Saffo, Chris Smith, Bill Sue, Phil Tripp, and Rob Zapple

**Present by Virtual Attendance:** Al Leonard, Jackie Newton, and Frank Williams

**Absent:** None

**Staff:** Tim H. Holloman, Executive Director; Matthew Nichols, General Counsel; Sam Boswell, COG; Tony Boahn P.E., McKim & Creed; Jess Powell P.E., McKim & Creed; and Danielle Hertzog, Financial Administration Assistant

**Guests Present:** Jorgen Holmberg, Computer Warriors; Glenn Walker, Brunswick County Water Resources Manager; David Carson, Brunswick County Water Resources Supervisor; Anthony Colon, Pender County Director of Utilities; Michael Silverman, County Manager for Pender County; Christopher "CJ" Cahoy, Garney Construction; Jason Cook P.E., HDR

**Guests Virtual Attendance:** Larry Froelich, Stepan Company Plant Manager; Heidi Cox, NC DEQ Regional Engineering Supervisor, Division of Water Infrastructure

**PLEDGE OF ALLEGIANCE:** Chairman Knight led the Pledge of Allegiance.

**APPROVAL OF CONSENT AGENDA**

**C1 – Minutes of August 12, 2024, Regular Board Meeting**

**C2 – Kings Bluff Monthly Operations and Maintenance Report**

**C3 – Bladen Bluffs Monthly Operations and Maintenance Reports**

**C4 – Line-Item Adjustment for July 31, 2024**

**C5 – Resolution for Recognition of National Source Water Protection Week Sept. 29 – Oct. 5th, 2024**

**Motion:** Director DeVane **MOVED**; seconded by Director Blanchard, approval of the Consent Agenda Items C1-C5. Upon voting, the **MOTION CARRIED UNANIMOUSLY**.

**NEW BUSINESS**

**NB1- Resolution to Approve Preliminary Design-Build Agreement, Scope of Work and Total Cost for Preconstruction — Project #2 of Phased 10-Mile Parallel Raw Water Line Project**

Executive Director Holloman advised the Design-Build evaluation team to recommend awarding the contract to Garney, Inc. and McKim and Creed. This is the next step in moving forward with design and permitting.

**Motion:** Director Edge **MOVED**; seconded by Director Zapple, to approve the Resolution to Approve Preliminary Design-Build Agreement, Scope of Work, and Total Cost for Preconstruction — Project #2 of Phased 10-Mile Parallel Raw Water Line Project. Upon voting, the **MOTION CARRIED UNANIMOUSLY**.

**NB2- Resolution Awarding Contract for Floor Renovation at the Kings Bluff Pump Station**

Executive Director Holloman advised that the Kings Bluff Pump Station floor has experienced wear and degradation over time, creating the need for significant repairs. The Authority has solicited bids and received proposals for the renovation work, including removing the old flooring, surface preparation, and installing a durable, non-slip industrial floor coating to ensure safety and longevity. Executive Director Holloman stated that we deem the lowest responsible bidder to be \$15,912.50 from Anderson Painting and Power Washing Corporation.

**Motion:** Director Blanchard **MOVED**; seconded by Director DeVane, to approve the Resolution Awarding Contract for Floor Renovation at the Kings Bluff Pump Station. Upon voting, the **MOTION CARRIED UNANIMOUSLY**.

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**ENGINEER’S COMMENTS**

Jess Powell presented the board with an updated recap for the Aerial Backwash Walkway PER; a copy of the presentation will be included in the minutes. Executive Director Holloman advised that the next step is advertising a Design-Build project for the Aerial Backwash Walkway.

**ATTORNEY COMMENTS**

No comments

**EXECUTIVE DIRECTOR REPORT**

**EDR1 – Comments on Customers’ Water Usage and Raw Water Revenue for Fiscal Year to Date Ending August 31, 2024**

Executive Director Holloman reported that during July, Pender County was above projections.

**DIRECTOR’S COMMENTS AND/OR FUTURE AGENDA ITEMS**

No comments.

**PUBLIC COMMENT**

With Garney, Christopher “CJ” Cahoy advised that he could present the difference between design-build and bid-build at an upcoming board meeting.

**ADJOURNMENT**

There being no further business, Chairman Knight adjourned the meeting at 9:46 a.m.

Respectfully Submitted:

  
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Scott Phillips, Secretary

# Engineer's Report



**Board of Directors Meeting**

**September 9, 2024**



**MCKIM & CREED**

# RECAP - Aerial Backwash Walkway PER

## Existing Walkway Structure

- Initially Constructed 1982
- Timber Piles
- Timber Decking and Handrails
- Timber Support Beams and X- Bracing

## Project Objective

- Evaluate various material options for the design and construction of new air backwash equipment building and elevated access walkway.
- Design for safe access for maintenance personnel for the operation of the facilities and minimize maintenance for new structure





# RECAP - Aerial Backwash Walkway PER

## From May Board Meeting

### Pile Options

- Precast Concrete piles
- Steel HP section piles

### Walkway Support Options

- Precast Beam
- Steel Beam

### Walkway Decking Panels Options

- Precast Concrete Slab
- Aluminum Grating
- Steel Grating

**Board asked McKim & Creed to provide cost estimate for options and to include timber option**



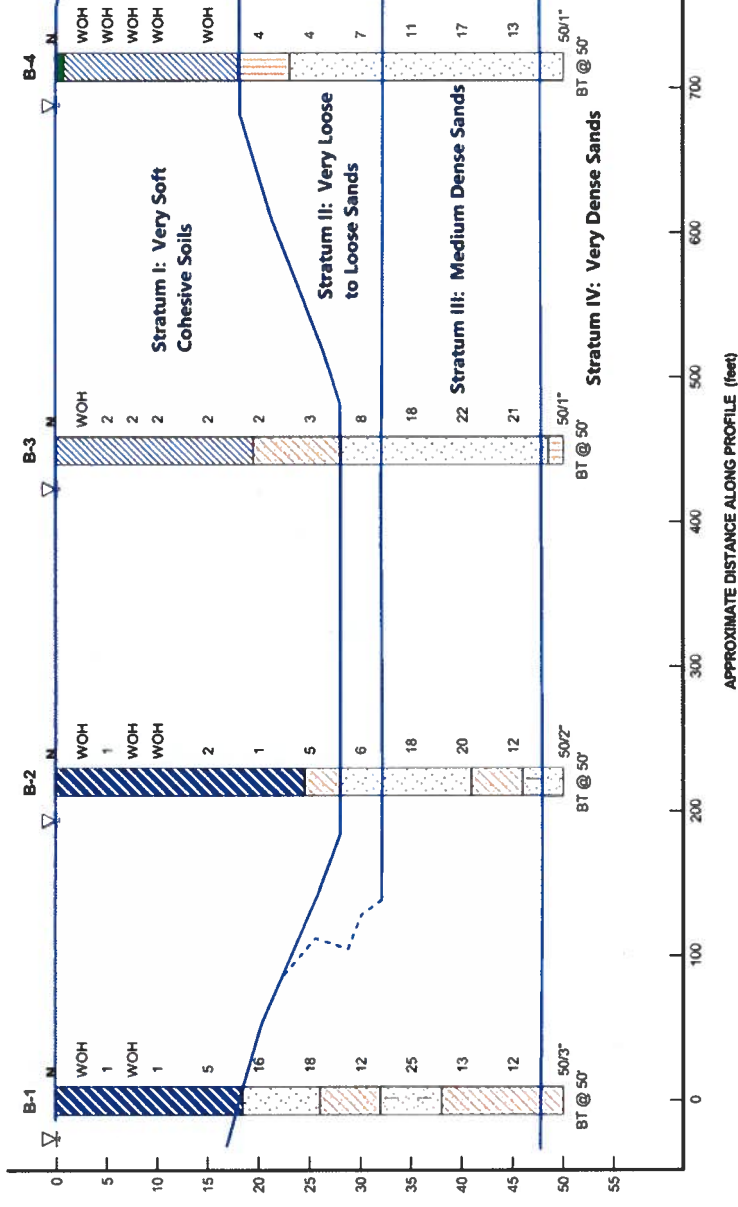
# Challenges

## Geotechnical Findings

- Soils even worse than anticipated
- Drove Pile Depth to 35' below mudline
- Longer Piles = \$\$\$

## Walkway Height

- Design to Florence Elevation (6-7' above existing deck el.)
- Longer Piles = Bigger Equipment = \$\$\$



**Due to cost associated with installing the length and number of piles required, discussions with contractors and precast/steel suppliers has lead to evaluation of longer span options**



# Options

## 1. Full Timber Structure

- 10' Bridge Spans – 180 Piles
- Est. \$2.0M – \$2.3M

## 2. Short Span Precast 12'x12' Pile

- 18' Bridge Spans – 102 Piles
- Est. \$4.2M – \$4.5M

## 3. Short Span Steel 12x53 H-Pile

- 18' Bridge Spans – 102 Piles
- Est. \$3.9M – \$4.2M

## 4. Long Span Precast w/ 24" Dia Pipe Pile

- 50' Bridge Spans – 38 Piles
- Est. \$3.0M – \$3.3M

## 5. Long Span Steel w/ 24" Dia Pipe Pile

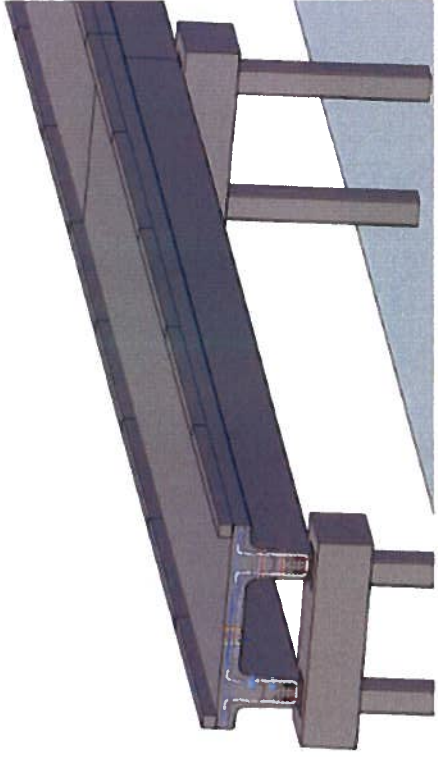
- 100' Bridge Spans – 20 Piles
- Est. \$3.2M – \$3.5M

**Long Span Options cost effective for Precast and Steel Options**

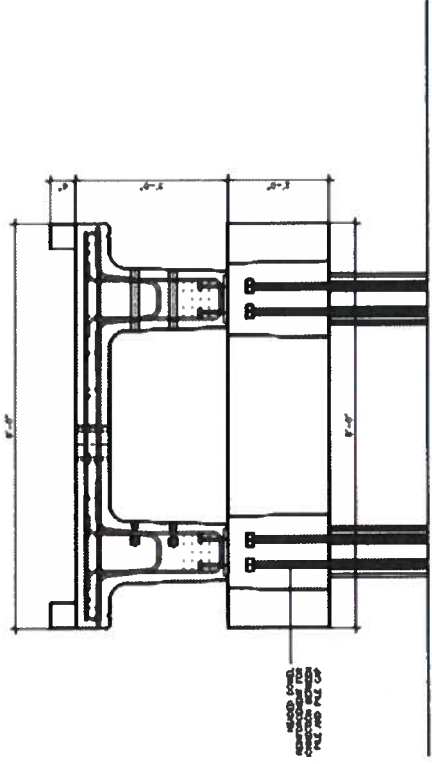


# Aerial Backwash Walkway PER

Precast



Steel







# Questions?

