

Amendment 1 to Agreement RFQ 2024039 Integrated Water Master Plan

Scope of Services for Wabasso Bridge Reuse Main Visual Assessment

IRCDUS Project ID: 31.24.509

June 12, 2025

Indian River County, Florida (COUNTY) is implementing an Integrated Water Master Plan (IWMP) to prioritize programmatic and capital investments. HDR Engineering, Inc. (CONSULTANT) has been selected to collaborate with the COUNTY in development of the IWMP. The IWMP will align with the framework outlined in the US Environmental Protection Agency's (USEPA) June 2012 Integrated Municipal Stormwater and Wastewater Planning Approach Framework codified within the Federal Clean Water Act in 2019. The goal of the IWMP is to develop an adaptable and affordable long-term plan for addressing the COUNTY's drinking water, wastewater, and reuse needs. A Professional Services Agreement for the IWMP was executed September 24, 2024.

The COUNTY will provide additional funds under this Amendment for CONSULTANT to evaluate the condition of two 12-inch diameter reclaimed water mains that are suspended along the Wabasso Causeway Bridge. These two mains provide reclaimed water to customers on the barrier island and are suspended over the Indian River Lagoon, an environmentally sensitive estuary.

The COUNTY has requested that CONSULTANT perform a visual condition assessment of the pipelines along the exposed lengths of the reclaimed mains as an amendment to the IWMP agreement. The visual inspection will be an important step in evaluating the condition of the pipe coating, anchors, and joints. Following the visual inspection, CONSULTANT will develop recommendations for repair, rehabilitation, or replacement of pipe coating, anchors, and joints for interim stabilization of the pipe until a full pipe replacement can occur.

CONSULTANT will utilize a boom truck within FDOT right-of-way to allow CONSULTANT staff to visually observe the pipe. Appropriate maintenance of traffic (MOT) and safety measures will be implemented to complete the work.

Scope of Services

Task 1 Project Management

CONSULTANT will set up, organize, manage, administer, and coordinate CONSULTANT activities for this Project, including:

- Perform project initiation and project closeout tasks.
- Organize, manage, and coordinate staff required to accomplish this scope.
- Monitor scope, schedule, and budget throughout the project.
- Prepare for and submit monthly progress reports, summarizing completed tasks, next steps, information needs, status update of active work with comparison of planned vs. actual schedules, and action items for CONSULTANT and COUNTY staff. Progress reports shall accompany the invoices submitted to the COUNTY each month.
- Develop site-specific safety plan.
- Coordinate SUBCONTRACTOR agreements, safety plans, and quality management plans.
- Manage SUBCONTRACTOR scope, schedule, and budget.

Task 1 Assumptions, Workshops, and Deliverables

Assumptions:

- CONSULTANT will contract directly with SUBCONTRACTOR for rental and operation of heavy equipment and maintenance of traffic (MOT).

Meetings/Workshops:

- Sixteen (16) 1-hour virtual biweekly progress meetings.

Deliverables:

Monthly invoices with progress reports

Task 2 Visual Inspection Work Plan

CONSULTANT will develop a Work Plan which describes the sequence of work to be performed, equipment to be used, project staffing, key contacts, and schedule of bridge segments to be assessed each day. CONSULTANT will incorporate relevant COUNTY standards into the Work Plan. CONSULTANT will maintain a comment log to record COUNTY comments on Work Plan.

Task 2 Assumptions, Workshops, and Deliverables

Assumptions:

- COUNTY to provide information regarding COUNTY standards for site safety, MOT, and other relevant aspects of project.
- Schedule assumes a review period of one (1) week for Draft Work Plan.

Meetings/Workshops:

- One (1) 1-hour virtual Work Plan Review meeting with COUNTY, CONSULTANT, and SUBCONTRACTOR.
- Up to three (3) 1-hour virtual coordination meetings with COUNTY to discuss COUNTY standards, site access, and preparation.

Deliverables:

- Draft and Final Work Plan
- Review Comment Log

Task 3 Visual Inspection Permitting

CONSULTANT will apply for the following permits/authorizations:

- FDOT General Use Permit
- FDOT District 4 Lane Closure Submittal Form

CONSULTANT will coordinate with FDOT to confirm that proposed work within FDOT right-of-way is compliant with FDOT standards.

Task 3 Assumptions, Workshops, and Deliverables

Assumptions:

- Schedule assumes 60 days for approval of General Use Permit application. CONSULTANT will not be held responsible for any cost or schedule impacts due to FDOT review delays.
- Schedule assumes 14 days for approval of Lane Closure Submittal Form. CONSULTANT will not be held responsible for cost or schedule impacts due to FDOT review delays.
- Permit fees to be reimbursed by COUNTY.

Meetings/Workshops:

- Up to three (3) 1-hour virtual coordination meetings with COUNTY and/or FDOT to discuss permit application requirements and comments.

Deliverables:

- General Use Permit Application

- Lane Closure Submittal Form

Task 4 Visual Inspection

From a boom truck on the bridge, CONSULTANT will perform a visual inspection of the 12-inch diameter reuse water mains along the lengths of Bridges 2 and 4 of the Wabasso Bridge. CONSULTANT will observe the condition of pipe coating, joints, anchors, and other appurtenances. CONSULTANT will record observations and photos of the mains and will indicate the bridge, main, and location along the main to which the observations and photos refer. CONSULTANT will also take up to four (4) discrete wall thickness measurements up to 1.5 feet each in length along Bridge 4 to support assessment of pipe classification. CONSULTANT will send an email to COUNTY each day following field work to provide an update on progress, noteworthy observations, and next-day's plan.

Field work will be performed in two (2) 1-week mobilizations. SUBCONTRACTOR will be responsible for truck rental, operation, and MOT throughout the duration of the inspection.

Task 4 Assumptions, Workshops, and Deliverables

Assumptions:

- CONSULTANT will inspect reuse mains along Bridges 2 and 4. Scope does not include inspection of reuse water mains along Bridges 1 and 3.
- Two (2) mobilizations and demobilizations are assumed.
- Work will be performed within FDOT District 4's allowed daytime hours for lane closures:
 - Monday through Friday from 9:00 AM to 4:00 PM

Meetings/Workshops:

- Ten (10) in-person safety and site coordination meetings (i.e., one each morning while field assessment is being performed).

Deliverables:

- Daily email updates including inspection length each day, noteworthy findings, and anticipated next-day's plan.

Task 5 Visual Inspection Report

CONSULTANT will compile observations into a Draft Visual Inspection Report. Report will highlight components of the mains (e.g., anchors, coating, joints) in need of rehabilitation as well as areas of concern along the lengths of the mains. Observations will be incorporated into an appendix.

CONSULTANT will facilitate one (1) 2-hour virtual meeting to discuss the findings of the visual inspection, review the Draft Report contents, and discuss recommended adjustments or considerations regarding path forward for pipeline component repair, rehabilitation, and/or replacement. CONSULTANT will develop meeting materials including presentation, agenda, and meeting notes.

Task 5 Assumptions, Workshops, and Deliverables

Assumptions:

- Schedule assumes a review period of one (1) week for Draft Visual Inspection and Condition Assessment Preparatory Report.

Meetings/Workshops:

- One (1) 2-hour virtual Visual Inspection Results Discussion Meeting

Deliverables:

- Draft and Final Visual Inspection Report
- Visual Inspection Results Discussion Meeting presentation, agenda, and notes

Schedule

Table 1 shows the anticipated project schedule measured from date of Notice to Proceed (NTP).

Table 1: Project Schedule.

Task Name	Start (days from NTP)	Duration (days)
Phase I – Visual Inspection		
1 - Project Management	NTP	130
2 - Work Plan	NTP	30
3 - Permitting	30	60
4 - Visual Inspection	90	10
5 - Visual Inspection & Condition Assessment Report	100	30

Assumptions

- CONSULTANT will perform visual inspection on pipes to the degree that pipes are observable from the truck bucket. CONSULTANT will note any areas of the pipe that could not be observed.
- COUNTY deliverable review period is assumed to be one (1) week per draft deliverable.
- Schedule and budget assume no major weather delays.

Compensation

For Tasks 1 through 5, the COUNTY shall compensate the CONSULTANT for time and materials not to exceed \$293,128.

Professional services will be invoiced monthly by total hours billed. A progress report summarizing work completed by task will be submitted with each invoice. See Exhibit A for fee breakdown.

Project Team

CONSULTANT's key team members include the following:

- Principal-in-Charge – David O'Connor
- Project Manager – Carlee Fullenkamp
- Pipeline Rehabilitation Specialist – Sonia Oton
- Pipeline Condition Assessment Specialist – Susan Donnally
- Pipe Inspector – Rodger Insignares
- Pipe Support Inspector – Charles Compton

SUBCONTRACTOR:

- Truck Operation/MOT - Webber Infra
- Non-Destructive Wall Thickness Testing – Rock Solid Group
- Quality Assurance / Quality Control – Freese & Nichols

EXHIBIT A

Indian River County Utilities

Wabasso 12" Reclaim Main Condition Assessment

Estimated Level of Effort and Fee

TASKS		LEVEL OF EFFORT										FEE			
No.	Description	Principal	Project Manager	Pipeline Rehab Specialist	Pipeline CA Specialist / QC	Pipeline Inspector	Pipe Support Inspector	Project Engineer	Accountant	Project Coordinator	Total Labor	Labor	Subcontractor	Direct Costs	Total
	Billing Rates	\$380	\$170	\$360	\$380	\$160	\$150	\$150	\$140	\$120					
1	Project Management	12	40	12					20	20	104	\$20,880			\$20,880
2	Work Plan	8	30	20	4	10	10	30			112	\$24,460			\$24,460
3	Permitting	8	40	20							68	\$17,040		\$400	\$17,440
4	Visual Inspection	8	20	40		100	100				268	\$51,840	\$88,000	\$45,840	\$185,680
5	Visual Inspection & Condition Assessment Prep Report	8	20	40	8	20	20	40			156	\$36,080	\$8,588		\$44,668
TOTAL, hours		44	150	132	12	130	130	70	20	20	708				
TOTAL, dollars		\$16,720	\$25,500	\$47,520	\$4,560	\$20,800	\$19,500	\$10,500	\$2,800	\$2,400	\$150,300	\$150,300	\$96,588	\$46,240	\$293,128
												Total			\$293,128