

***PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY
BOARD OF DIRECTORS MEETING
October 1, 2021***

**ROUTINE STATUS REPORTS
ITEM 5**

Regional Integrated Loop System Phase 3C Feasibility & Routing Study

PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY
BOARD OF DIRECTORS MEETING
October 1, 2021

ROUTINE STATUS REPORTS
ITEM 5

Project Status Report

Project: Phase 3C Pipeline Feasibility and Routing Study

Date: October 01, 2021

Prepared by: Richard Anderson, Director of Operations

Project Description

The intent of the Regional Integrated Loop Phase 3C Pipeline Project is to deliver water from the terminus of the Phase 3B Regional Interconnect on Clark Road near Cow Pen Slough to the general vicinity in Sarasota/Manatee Counties of University Parkway Booster Pump Station near Lockwood Ridge Road. This project will interconnect the two largest water supplies in the region improving system reliability, rotational supply options and resource sharing. This is an alternative water supply project which supports SWUCA recovery through conjunctive use of surface and groundwater sources based on management and rotation of supply resources.

The routing and feasibility study is a critical step in evaluating the route options and infrastructure requirements that will enable regional connection with the Manatee County water system. This project is a component of the Authority's regional integrated loop system and is referred to as Phase 3C in the Authority's 5-year CIP/ 20-year CNA. This project will include evaluation of pipeline routes, sizing, new pumping/trim facility needs (and locations) and modifications to existing county and regional facilities needed to support this critical system interconnectivity project. The study will also refine estimated costs for all proposed new facilities and facility improvements.

The Southwest Florida Water Management District is funding this portion of the Phase 3C Project in the amount of \$300,000.

Current status

Work Order No. 1, 'Feasibility and Routing Study for the Regional Integrated Loop Phase 3C Pipeline Project with Wade Trim, Inc was approved by the Authority Board on December 2, 2020 in the amount of \$599,970. Notice-To-Proceed was issued on January 7, 2021 with scheduled completion of Work Order No. 1 on April 6, 2022. The Project is currently on schedule and budget.

PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY
BOARD OF DIRECTORS MEETING
October 1, 2021

Project History Briefing

Project: Phase 3C Pipeline Feasibility and Routing Study

Date: October 01, 2021

Prepared by: Richard Anderson, Director of Operations

The following information summarizes the historical milestones and key events to date of the Feasibility and Routing Study for the Regional Integrated Loop Phase 3C Pipeline Project.

- December 2020 Board approved the Agreement for Professional Services and Work Order No. 1 related to the Feasibility and Routing Study for the Regional Integrated Loop Phase 3C Pipeline Project with Wade Trim, Inc Completion of the is Work Order is April 2022 and has a fee in the amount of \$599,970.

- January 2021 Notice to Proceed and Project Kick-Off Meeting was held on January 7, 2021 at the Lakewood Ranch offices. Wade Trim, Ardurra, SWFWMD, and Authority staff were present or participated virtually.

- February 2021 Wade Trim established a preliminary project schedule and initiated bi-monthly project meetings. A list of requested data was also developed and data transfers between the Authority and Consultant began. A joint Phase 3C/Phase 2B-2C Projects meeting was held on February 23rd to review the Regional Hydraulic Pipeline model to insure both projects shared common information.

- March 2021 Progress Meeting was held on March 4th. Consultant staff beginning analysis on preliminary routes. Wade Trim submitted a formal project schedule on March 15th.

- April 2021 Progress Meetings were held on April 6th and April 20th. Consultant staff continuing analysis on preliminary routes. Stakeholder meetings were held with Sarasota County on April 13th and Manatee County on April 27th. Input from both Members will be included in the route analysis.

PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY
BOARD OF DIRECTORS MEETING
October 1, 2021

- May 2021 Progress Meetings were held on May 4th and May 20th. Consultant staff refining analysis on preliminary routes based on stakeholder input. Additional stakeholder meetings with FPL and Hi Hat Ranch to discuss routing options in process.

- June 2021 Consultant Staff provided a project update the Peace River Board on June 2nd. A stakeholder meeting with Hi Hat Ranch was held on June 10th to discuss potential pipeline routes near the Hi Hat development. Progress Meeting was held on June 15th. Consultant staff continuing analysis on preliminary routes. Consultant staff has coordinated with HDR Engineering to verify the hydraulic model is operating as intended.

- July 2021 Progress Meeting was held on July 13th. Hydraulic modeling results were presented and discussed as well as pipeline route options proposed by Hi Hat Ranch development group. A Route Shortlisting Workshop was scheduled for July 29th.

- August 2021 Progress Meetings were held on August 10th and August 24th. Preliminary site plans for potential pump station locations were provided along with setback and zoning categories for the different parcels. Modeling results with system pressure contours were distributed to the team. Results show it is possible to deliver up to 30 MGD to Manatee County in emergency conditions. Ardurra to look at modeling parameters more closely to identify possible flow errors.

- September 2021 Progress Meeting was held on September 14th. Reviewed draft pumping station site sketches for Hi Hat Ranch and 450 DK, LLC locations. Hydraulic modeling continues by Ardurra. Ardurra staff requested information on Authority meter locations to compare flows. Individual maps of shortlisted routes were distributed to the group for review. Next progress meeting scheduled for September 28.