

***PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY
BOARD OF DIRECTORS MEETING
March 31, 2021***

**ROUTINE STATUS REPORTS
ITEM 5**

Regional Integrated Loop System Phase 2B & 2C Feasibility and Routing Study

Project Status Report

Project: Regional Integrated Loop System Phase 2B & 2C Pipelines Feasibility and Routing Study

Date: March 31, 2021

Prepared by: Ford Ritz, P.E., Project Engineer

The following information summarizes the project description and current status. (see attached general project area figure).

Project Description

The Regional Integrated Loop System Phase 2B/2C Pipeline(s) Feasibility and Routing Study Project will evaluate the route options to provide a second (southern loop) plant-to-plant connection between the Peace River Facility and the Sarasota County Carlton Water Treatment Facility. The regional interconnect project will consist of large diameter transmission main and may also include storage, chemical trim and repumping stations at strategic locations. The Phase 2B and 2C pipelines are anticipated to be approximately 10- and 14-miles in length respectively.

The project scope includes:

- Development of conceptual routes and feasibility analysis of routes
- Determination of pipe sizes, delivery requirements and interconnection points
- Pumping and storage requirements
- Water quality consideration
- Estimated project costs

As currently envisioned, the Phase 2B pipeline will begin at the terminus of the Phase 2 Interconnect Pipeline at Serris Blvd., about 2-miles east of the intersection of Charlotte, Desoto and Sarasota counties. The Phase 2B then continues west ending near the City of North Port's Myakkahatchee WTP. The Phase 2C Pipeline will begin and the terminus of the Phase 2B pipeline and continue westward before crossing the Myakka River then northward, crossing I-75 and terminating at the Carlton WTF.

Current status

The Board approved the Contract for Professional services with Kimley-Horn Associates for the Phase 2B/2B Feasibility and Routing Study Project on December 2, 2020 and Kimley-Horn was issued the Notice-to-Proceed on January 6, 2021. Project completion is 15-months from the NTP date. Currently, Kimley-Horn is developing routes and the Authority is soliciting feedback from Charlotte County, Sarasota County and North Port. Kimley-Horn is performing hydraulic modeling based upon the Integrated Regional Water Supply Plan 2020 Update.

Project History Briefing

Project: Regional Integrated Loop System Phase 2B & 2C Pipelines Feasibility and Routing Study

Date: March 31, 2021

Prepared by: Ford Ritz, P.E., Project Engineer

The following information summarizes the historical milestones and events of the Regional Integrated Loop System Phase 2B & 2C Pipelines Feasibility and Routing Study

- June 23, 2020 - The Authority advertised for Consultant Statement of Qualifications (SOQs) for professional engineering services for the Feasibility and Routing Study.
- July 9, 2020 – Addendum No. 1 was sent to Consultants expressing interest.
- July 24, 2020 – Six SOQ packages were timely received, including in alphabetical order:
 - AECOM Technical Services
 - Ardurra Group
 - Black & Veatch Corp.
 - Kimley-Horn Associates (KH)
 - Stantec Consulting Services
 - TKW-Consor Consulting Engineers
- August 11, 2020 – The Authority Professional Selection Evaluation Committee Meeting was held and the top three consultants were short listed, including Ardurra Group, Kimley-Horn Associates and Black & Veatch Corp.
- September 2, 2020 – The Professional Selection Evaluation Committee interviewed short listed consultants, and Kimley-Horn was selected
- September 9, 2020 – A Notice of Intended Decision (NOID) to award the Project to Kimley-Horn was posted on the Authority web site.
- September 30, 2020 – The Authority Board Approved the selection of Kimley-Horn and approved the Executive Director to negotiate the Contract scope and fee with Kimley-Horn.
- December 2, 2020 - The Authority Board approved the Contract for Professional Services with Kimley-Horn for the Phase 2B & 2C Feasibility and Routing Study and for the Executive Director to approve Work Order 1 for an amount not to exceed \$399,960.

- January 6, 2021 - The Notice to Proceed (NTP) was issued to Kimley-Horn with a completion time of 15-months from the NTP date. The NTP was issued at the project kickoff meeting.
- January 6, 2021 – The project kickoff meeting was held at the Authority’s Lakewood. It was attended by Authority Staff, SWFWMD and the Kimley-Horn Team. Key discussion items included, the project schedule, data requests, and an overview of the KH project plan.
- January 29, 2021 – The Cooperative Funding Agreement between the Authority and Southwest Florida Water Management District was executed for \$400,000.
- February 4, 2021 - A project status meeting was held. Route alternatives for 2B/2C pipelines were presented by Kimley-Horn and discussed. It was attended by Authority Staff and SWFWMD.
- February 12, 2021 – A coordination meeting was held with Charlotte County Utilities to discuss route alternatives and to solicit feedback from Charlotte and their modeling consultant who is updating the Charlotte County Water Master Plan including their hydraulic model. The meeting was led by KH, and attended by Authority staff, and SWFWMD.
- February 23, 2021 – A joint Phase 2B/2C and Phase 3C Regional Hydraulic Model Overview meeting was held to discuss the Integrated Regional Water Supply Plan 2020 Update modeling effort performed by HDR. The modeling effort discussion was led by HDR and modelers from Kimley-Horn (2B/2C) and Wade Trim (3C) were in attendance as well as Authority staff and SWFWMD. Key discussion items included validation of the PRMRWSA model, key connection points, contracted pressures/demands and coordination with new/updated customer models.
- March 5, 2021 – Workshop 1_Demands and Criteria was held to discuss projected water demands and evaluation criteria. The workshop was led by Kimley-Horn, and included Authority staff, and SWFWMD. Criteria for demands, future customer demands, emergency demands and pipe sizing considerations were discussed.
- March 15, 2021 - A coordination meeting was held with Sarasota County to discuss route alternatives and to solicit feedback. The meeting was attended by Sarasota County staff, KH, SWFWMD and Authority staff.

Peace River Manasota Regional Water Supply Authority Regional Vision for 2035

