

***PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY
BOARD OF DIRECTORS MEETING
April 3, 2024***

**ROUTINE STATUS REPORTS
ITEM 4**

Regional Integrated Loop System Phase 2B Pipeline Project

Project Status Report

Project: Regional Integrated Loop System Phase 2B Pipeline Project

Date: April 3, 2024

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

Project Description

The Regional Integrated Loop System Phase 2B Pipeline is approximately 13-miles of 42-inch diameter pipe beginning near the western end of the existing Phase 2 Regional Interconnect and 36-inch diameter Charlotte County Regional Transmission Main (CCTM), near the intersection of Harbor Boulevard and Veterans Boulevard in Charlotte County. As currently envisioned, based on the recently completed Phase 2B/2C Feasibility and Routing Study, the Phase 2B Pipeline will extend generally west and south, crossing the Myakka River terminating at or in the vicinity of the Charlotte County Utilities Gulf Cove Booster Station. The Phase 2B Pipeline Project will be delivered (designed, permitted, and constructed) via Progressive Design-Build (PDB). The project includes metering facilities, telemetry, and other appurtenances appropriate to make the Phase 2B Project fully functional for transfer and delivery of finished water and support a future connection with the Regional Integrated Loop Phase 2C Interconnect. As pointed out at the April 2022 Board Meeting, Phase 2B/2C implementation will be subdivided into two separate projects. is anticipated to begin in 2029.

Current Status

On December 6, 2023, the Board approved the Revised Interlocal Agreement with Charlotte County to set the “Charlotte Cap” for contributions to the Phase 2B Pipeline at \$55,945,000 based upon the 60% Design cost estimate. The revision also included provisions for the Authority’s Design-Builder of the Phase 2B Project to construct a parallel Charlotte County water main at a cost not to exceed \$5,045,110.89. In addition, the Board approved the contract amendment with Woodruff & Sons to complete design and construction of the Phase 2B Project for a Guaranteed Maximum Price of \$70,668,982.87.

- On January 29, 2024, the Phase 2B Project Preconstruction Meeting was held and subsequently the Notice-to-Proceed was issued to Woodruff & Sons on February 6, 2024. Clearing of the first 8000 feet of Segment 1 – Hillsborough Blvd Right-of-Way began on February 12, 2024, followed with the installation of silt fencing. On February 26, 2024, the first deliveries of 42-Inch Lap Weld Steel Pipe were received from American Spiral Weld Pipe Company and were offloaded and strung out along the project location starting near the Serris Meter Station.

- On March 4, 2024, Woodruff & Sons began dewatering efforts on Segment 1 near the Serris Meter Station in preparation for pipe installation. On March 8, the first stick of pipe was installed and as of March 20, Woodruff has installed approximately 500-lf of 42-inch steel pipe along Hillsborough Blvd. Voluntary easement acquisition and condemnation is ongoing for other portions of the Project.

Regional Integrated Loop System Phase 2B Project Schedule Overview

The Project will be subdivided into 2 Phases. The schedule includes:

- Phase 1 – Includes - Contract for Progressive Design Build Services - scope and fee. Scope includes 60% design, property and permitting and GMP for Phase 2 Services. Scope/fee and Phase 1 Services are due September 20, 2022, for consideration at the October 5th, Board Meeting.
- Early Procurement Package – approved at the April 5, 2023, Board meeting for owner direct purchase of long lead items steel piping, fittings, and HDPE piping in the amount not-to-exceed \$20 million.
- Phase 2 – final scope and fee/GMP. Final scope and Phase 2 GMP includes final design, construction, permitting, property acquisition, testing, and final completion. Phase 2 GMP will be added to the Contract by Addendum and is brought to the Board for consideration in December 2023.
- Phase 2B Pipeline Project substantial completion is scheduled for March 1, 2026.

Regional Integrated Loop System Phase 2B Phase 2 Construction Overview

- Woodruff subdivided Phase 2 Construction of the Project into three Segments, based upon permitting, easements and Southwest Florida Water Management District Third Party Review approval (30% design) to facilitate the Project schedule. Woodruff plans to begin construction in Segment 1 followed by Segment 2 and Segment 3.
 - Segment 1 (6.8-miles) – from the terminus of the Phase 2A Pipeline at the Serris Meter Station extending west along the south ROW of Hillsborough Blvd to the intersection of Hillsborough Blvd and S Cranberry Blvd.
 - Segment 2 (3.4-miles) – S Cranberry Blvd extending southward and under US 41 then extending west along the southern ROW of Chancellor Blvd to Cambell Street.
 - Segment 3 (2.8 miles) – From the extent of Chancellor Blvd west onto District property turning southward then under the Myakka River back on to District Property southward toward the South Gulf Cove Booster Station.

History of Project Development

Phase 2B Feasibility and Routing Study

On December 2, 2020, the Board approved the Contract for Professional Services with Kimley Horn Associates, Inc. (KM) for the ‘Regional Integrated Loop System Phase 2B and Phase 2C Feasibility and Routing Study’, in the amount of \$399,960. Kimley Horn was issued the Notice-to-Proceed on January 6, 2021.

- At the April 6, 2022, Board Meeting, KH presented the recommended route for the Phase 2B Interconnect Pipeline. The Authority stated that going forward the PH2B/2C project would proceed as two separate Projects, the PH2B Interconnect Pipeline and the PH2C Interconnect Pipeline. The PH2B Pipeline will use a Progressive Design Build Delivery approach for design and construction of the project. Final construction completion for the Phase 2B Pipeline Project is anticipated to be March 1, 2026. The PH2C Pipeline Project has been deferred until 2029 based upon projected water demands from Regional Customers/Members per the Authority’s Capital Improvements Project (CIP) and Capital Needs Assessments (CNA) planning. The Board approved a Motion for the Recommended PH2B Route, and a Motion for the Interlocal Agreement between Charlotte County and the Authority for the PH2B Project.

Progressive Design-Build Solicitation for Qualifications

On May 24, 2022 - The Authority advertised for Statements of Qualifications (SOQs) for Progressive Design-Build Services for the Regional Integrated Loop Phase 2B and Phase 3C Pipelines. Four firms were shortlisted on June 30, 2022 by the PSEC for the Regional Pipeline Projects. On July 14, 2022, the second PSEC meeting was held for presentations and interviews. Woodruff & Sons, Inc. was recommended for the Phase 2B Regional Integrated Loop System Interconnect Project.

- August 3, 2022 – The Board Approved the PSEC’s recommendation of Woodruff & Sons Inc., Design-Build Team for delivery of the Regional Integrated Loop System Phase 2B Pipeline. Staff began preparation of the Contract Documents on August 5th, 2022.
- On October 5, 2022, the Board approved the Contract with Woodruff and Sons Inc. (Woodruff) for the Phase 2B Pipeline, and Phase 1 Design Services for 60% Design and development of the Guaranteed Maximum Price, in the amount of \$5,067,144.81. Woodruff and Sons, Inc. submitted all insurance requirements for the Phase 2B Contract. The Contract was executed by the Authority and the Notice-to-Proceed for Phase 1 was issued to Woodruff and Sons, Inc., November 10, 2022.

Progressive Design-Build – Phase 1 - 60% Design and GMP Efforts

- In November/December 2022 Woodruff submitted Technical Memorandum No. 1 – Pipe Material and Size and Technical Memorandum No. 2 – Alignment and Easement including 10% Design Plans. Field services for the first 7-miles of the alignment from the termination

of the Phase 2A Pipeline west along Hillsborough Blvd. to US-41. Field work including survey, geotechnical and subsurface utility engineering are underway. Also in December, the Authority and Kimley Horn met (virtual) with Charlotte County Utilities staff & Jones Edmunds to discuss the Charlotte County Hydraulic Model for the Phase 2B Pipeline being developed. And on December 21, 2022 – Tech. Memo 2 PH 2B Pipeline - Alignment & Easement Requirements and updated 10% Design Drawings.

- In January 2023 – The Authority, and Woodruff and Sons met with Charlotte County and the City of North Port to discuss the PH 2B pipeline along Hillsborough Blvd and Chancellor Blvd. Woodruff also submitted their Order of Magnitude for Owner Direct Purchase of pipe, gaskets, fittings, and line valves for the first 7-miles of the Project. Additionally, a Project meeting was held with Charlotte County Utilities & Jones Edmunds to discuss Hydraulic Modeling. Based on the meeting flow projections to the Charlotte County Gulf Cove Pumping Station (south end of PH 2B) were determined to be within acceptable limits and a 42-diameter Phase 2B pipeline could convey flows to Gulf Cove including up-to 7-interconnects to the Charlotte County water distribution system along the alignment of the Phase 2B primarily along Hillsborough Blvd.
- In February 2023, Woodruff submitted 30% Design Drawings for the first 7-miles of the alignment. Woodruff anticipates completing the draft Basis of Design Report (30%) design in early April 2023. Woodruff submitted Technical Memorandums (TM), TM3 Hydraulic Modeling, TM4 Water and significant Roadway Crossings, TM5 Pipeline and Corrosion Control and TM6 Gulf Cove Booster Pump Station. Additionally, a 30% Design and ROM Meeting was held with Woodruff staff to discuss the 30% design drawings and ROM development in preparation for a scheduled Owner Direct Purchase (ODP) meeting with Charlotte County.
- In early March 2023 – The Authority met with Charlotte County regarding the Owner Direct Purchase, the Not-to-Exceed amount for the ODP, and discussions on the 30% ROM Projections, project status (30% design), project schedule and development of the design drawings. It was noted that the ODP of pipeline material will save about \$1.25 million in taxes, based upon vendor estimates of 56,000 lf. of 42-inch steel pipe, isolation valves, and adjacent pipe, adjacent valves, and appurtenances. Woodruff explained that based on the current schedule, construction is anticipated to start in October-November 2023, therefore the ODP pipe material must be ordered in late April due to a 6-month+/- lead time. Additionally, Pre-Application meetings were held with both the Army Corps of Engineering on March 3, 2023, and with the Florida Department of Environmental Protection on March 8, 2023. On March 28, 2023, The Project group met with the Sarasota County Parks and Land Management Departments to discuss the pipeline crossing the Myakka Islands Point Preserve.
- April 5, 2023 – The Authority Board approved Owner Direct Purchase for Phase 2B project long lead items with a total estimated cost of materials, including steel pipe (raw materials and finished products), yard piping, line valves, flow meter and pipeline materials suitable for subaqueous installation under the Myakka River, for an amount not-to-exceed \$20 Million.

Woodruff and Sons will solicit bids for these items while meeting the Authority's owner direct purchase policy requirements.

- April 10, 2023 – W&S/KH submitted the 30% Basis of Design Report and 30% Design Drawing for segments 1 and 2 (east-west alignment drawings) to the Authority for review. Segment 3 (north-south) 30% design drawings are pending completion of field work. The SWFWMD 30% Design Package will be forwarded to the District in June for Third Party Review in accordance with the Cooperative Funding Agreement.
- In April 2023, Woodruff and Sons, Inc. submitted the 30% Basis of Design Report and 30% Design Drawings updates to the Authority for review. On June 16, 2023, the 30% design package (BODR & Design Drawings) was forwarded to the District Project Manager for Third Party Review in accordance with the Cooperative Funding Agreement. On September 15, 2023, the draft 60% Design Package and GMP was submitted to the Authority and Charlotte County. The following Monday, SWFWMD received the draft 60% package.
- May 2, 2023 – An Operations meeting was held with W&S and the Authority to discuss the 30% design of the PH2B pipeline. Items discussed included connection of the 2B to the existing 2A pipeline, 2B meter assembly, horizontal directional drill (HDD) crossing of the Myakka River, termination of the 2B pipeline at the Charlotte County Gulf Cove Booster Pump Station and cathodic protection of the 2B pipeline (steel).
- May 10, 2023 – A meeting was held with the City of North Port, Authority and W&S to discuss a potential emergency interconnect with the 2B at the City Hillsborough Booster Pump Station located in Charlotte County (south side of Hillsborough Blvd.). The City currently has an emergency interconnect off an existing Charlotte County 12" WM at this location. The City suggested that an additional 2B interconnect at this location may reduce Charlotte County distribution line pressure fluctuations when the existing emergency interconnect is used. The Authority will follow up with Charlotte County Utilities.
- May 19, 2023 – A meeting was held with Charlotte County Utilities to discuss the Phase 2B alignment along Hillsborough Blvd. and Charlotte County's plans to construct a future 8-inch diameter CCU water pipeline along Hillsborough Blvd.
- June 16, 2023 – Woodruff & Sons submitted a Rough Order of Magnitude (ROM) 30% design cost comparison for the Phase 2B north-south (segment 3) from Chancellor Blvd. to the Charlotte County Gulf Cove Booster Pump Station approximately 3-miles in length. The alternative A alignment includes Phase 2B installation on District and Sarasota County property and was estimated to be \$ 14,336,600. Alternative B includes installation in Campbell Street and private property and was estimated to be \$19,878,000. Both alternatives include a horizontal directional drill (HDD) across the Myakka River.
- June 16, 2023 – The 30% Design Package was submitted to the SWFWMD Phase 2B Project Manager for the District's Third Party Review (TPR) in accordance with the CFI Agreement 23CF0004096 (Q355).

- June 20, 2023 – Mike Coates (Executive Director) and Doug Manson (Authority Attorney) met with officials from the Florida Forest Services in Tallahassee to discuss installation of the north/south segment of the Phase 2B pipeline in SWFWMD/State Forest Services, Lands. A follow up meeting is anticipated to be held in early July.
- July 7, 2023 – The Authority met with the SWFWMD and Florida Forest Services representatives (virtual meeting) to discuss the installation of the Phase 2B Pipeline in State property. The Florida Forest Service and SWFWMD are amicable to the installation of the Phase 2B pipeline within the District property north of the Myakka River. South of the Myakka River the Forest Service and SWFWMD prefer the Phase 2B pipeline to be installed on private property. The Authority will work with Woodruff & Sons to determine the alignment for the horizontal directional drill subaqueous crossing of the Myakka River.
- July 12, 2023 – A meeting has been scheduled with Sarasota County to discuss installation of the Phase 2B pipeline in Sarasota County property on the north side of the Myakka River. Attendees will include Sarasota County Parks and Utilities Departments, Woodruff & Sons and the Authority.
- July 14, 2023 – A 60% Guaranteed Maximum Price (GMP) Kick Off meeting will be held with Woodruff & Sons, SWFWMD and the Authority. During this period regularly scheduled bi-weekly progress meetings were held as well as preparation meetings for discussions with regulatory agencies, workshops, and submittal review meetings with Woodruff and Sons.
- August 14, 2023 – The Design-Build Team prepared a pre-60% GMP and shared the submittal at a coordination meeting with Charlotte County Utilities. During this meeting, the approach of the County's parallel 8-inch diameter water main and the coordination of both projects was discussed.
- September 15, 2023 – The Design-Build team submitted the draft Guaranteed Maximum Price (GMP) and the draft 60% plans. The Authority shared the draft GMP with Charlotte County Utilities and is preparing to share the GMP with their Board on October 10, 2023.
- October 10, 2023 – The Authority presented the draft GMP to the Charlotte Board during a Quarterly Meeting. The Board voted to begin revisions to the Interlocal Agreement to cover the additional costs for the Phase 2B project and utility improvements parallel to the water transmission main.
- In November 2023, the Design-Build Team completed the 60% design package and the GMP. The Authority coordinated with Charlotte County to amend the Interlocal Agreement to cover the GMP costs.

- On December 6, 2023, the Board approved the contract amendment with Woodruff & Sons Inc. for Phase 2 Services to complete design and construction of the Regional Integrated Loop Phase 2B Project for a Guaranteed Maximum Price not to exceed \$70,668,982.87. Charlotte County executed the amendment on December 12, 2023.
- On January 19, 2024, the FDEP Public Water System Permit was approved for Segment 1 of the Phase 2B Project on Hillsborough Blvd.
- On January 23, 2024, the third-party review conducted by Black & Veatch was approved at the SWFWMD Board Meeting. Also on this date, the FWC Gopher Tortoise Relocation Permit and the Charlotte County ROW Use Permit were both approved for Segment 1.

Progressive Design Build - Phase 2 – Final Design and Construction Efforts

- The Phase 2B Preconstruction Meeting was held virtually on January 29th and Notice-to-Proceed was issued to Woodruff & Sons on February 6, 2024. Clearing of the first 8000 feet of Segment 1, Charlotte County Hillsborough Blvd ROW began on February 12, 2024, and followed with the installation of silt fencing along the same extent.

