



September 29, 2022

Mr. Dean Mealy
Town of Palm Beach
951 Old Okeechobee Road
Suite A
West Palm Beach, FL 33401

RE: *Water Supply Feasibility Study – Post Study Support Services Proposal*

Dear Dean,

Kimley-Horn and Associates, Inc. ("Kimley-Horn" or "CONSULTANT") is pleased to submit this proposal to The Town of Palm Beach ("TOWN" or "CLIENT") for providing professional engineering services for continuing support related to the Water Supply Feasibility Study for the Town of Palm Beach. Our project understanding, scope of services, and fee follows.

Project Understanding

The Town of Palm Beach recently explored options for providing residents and business owners of the Town potable water upon expiration of the current Retail Water Service and Franchise Agreement with the City of West Palm Beach. Multiple options were explored and ultimately results and data were provided to the Town to assist in the decision-making process. The Town has requested that Kimley-Horn provide additional support services to continue assisting the Town as they work through the decision-making process.

Scope of Services

Kimley-Horn will provide additional professional engineering services that consist of the following items:

- Update of the Lake Worth Beach Water Supply Alternative for the supply of only membrane treated water. The update of this alternative will consist of the following:
 - Meet with Lake Worth Beach utility department staff to discuss concepts of providing the Town with only membrane treated water.
 - Draft a narrative of describing a feasible concept for Lake Worth Beach to supply only membrane treated water to the Town.
 - Prepare a conceptual drawing representing the concept for Lake Worth Beach to supply only membrane treated water to the Town.
 - Prepare an opinion of probable construction cost for the improvement required for Lake Worth Beach to supply only membrane treated water to the Town.
 - Follow-up meeting with the City of Lake Worth Beach and Town of Palm Beach to discuss the approach and conceptual drawing. Included in this item is updating the narrative and conceptual plan per the feedback from the meeting.

- Further the review of the concept of installing a transmission watermain within the Intracoastal Waterway (ICW) to serve the Town from Lake Worth Beach. The additional items that will be completed for the review include the following:
 - Meet with FDOT to determine requirements and limitations for installing the watermain via horizontal direction drill (HDD) under the Southern Blvd Bridge, the Flagler Bridge, and the Royal Poinciana Bridge.
 - Meet with an HDD contractor to discuss approach and constructability of installing watermain with entry/exit points within the ICW.
 - Review available record drawings at each of the FDOT Bridge crossings to gain an understanding of existing utility crossings and bridge infrastructure that will need to be considered.
 - Review available right-of-way and assess easement needs in the upland areas at each of the existing ICW watermain crossings within the Town for isolation valves and connections to the existing distribution system.
 - Draft a narrative summarizing the approach for the installation and the findings from the meetings and records review.
 - Update the conceptual drawing for the watermain installation within the ICW that represents the approach at each bridge and the known utility crossings.
 - Update the conceptual opinion of probable construction cost for the watermain installation along the ICW.
- Prepare material for the October grant meeting with SFWMD, West Palm Beach and Palm Beach which will consist of the following:
 - Prepare a narrative for that describes the concept of constructing a membrane plant on the City of West Palm Beach water treatment plant property.
 - Prepare a conceptual plan that depicts a membrane plant on the City of West Palm Beach water treatment plant property.
 - Coordinate a meeting with the City of West Palm Beach and Town of Palm Beach, in advance of the meeting with the SFWMD, to discuss the approach and conceptual drawing. Included in this item is updating the narrative and conceptual plan per the feedback from the meeting.
- Attend November Town Council Meeting and present a summary on the findings of the items listed above. We will prepare a PowerPoint presentation for the meeting.
- Prepare for, attend, and present at two community meetings. The purpose of these meetings is to provide the community with information related to the study and answer questions. We will prepare a PowerPoint presentation for each of the meetings. It is our understanding that the Town will advertise the meetings through their normal communication channels and will provide the meeting facility.

Additional Services

Any services not specifically provided for in the above scope, as well as any changes in the scope you request, will be considered additional services. These services will be performed based on proposals approved by the Town prior to the performance of those requested additional services.

Information Provided by the Town

We shall be entitled to rely upon the accuracy of information provided by others in the performance of professional services.

Schedule

We will provide our services as expeditiously as practical to meet a mutually agreed upon schedule.

Fee and Billing

Kimley-Horn will perform the scope of services described in the statement of work for the lump sum fee of \$99,600. Labor fees are based upon our contract with the Town as referenced below. All permitting, application, and similar project fees will be paid directly by the Town. Fees will be invoiced monthly based upon the percentage of services performed as of the invoice date.

Closure

In addition to the matters set forth herein, our Agreement shall include and be subject to, and only to, the terms and conditions in the Professional Services Agreement between the Town of Palm Beach and Kimley-Horn and Associates, Inc, which are incorporated by reference. As used in the Agreement, the term "CONSULTANT" shall refer to Kimley-Horn and Associates, Inc., and the term "TOWN" or "CLIENT" shall refer to The Town of Palm Beach.

We appreciate the opportunity to propose these services to you.

Very truly yours,

KIMLEY-HORN AND ASSOCIATES, INC.



By: Kevin Schanen, P.E.
Sr. Vice President

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ESTIMATE FOR ENGINEERING SERVICES

PROJECT:		Water Supply Feasibility Study - Support Services							SHEET 1 of 1				
CLIENT:		Town of Palm Beach							FILE NO.				
ESTIMATOR:		JRL/KMS							DATE: 09/28/22				
									ALLOCA 0.0000				
DESCRIPTION:		DIRECT LABOR (MAN-HOURS)											
See Scope of Services		Principal	Chief Engineer	Project Manager	Senior Reg. Prof	Eng. Prof.	Eng. Int.	Analyst	Admin/Clerical	Senior Designer	SUB	EXP	LINE TOTAL
Post Study Support Services													
Review Lake Worth Beach - all membrane treated water													\$0
Meeting with Lake Worth Beach Utility Dept Staff		3.0	3.0				3.0		1.0			\$44	\$2,268
Narrartive for approach of all membrane treatment option		6.0	3.0				12.0		4.0				\$4,541
Prepare Conceptual Drawing		6.0	3.0				12.0						\$4,181
Prepare Opinion of Probabele Construction Cost		4.0	4.0				12.0		1.0				\$3,959
Follow-up meeting with Lake Worth Beach		3.0	3.0										\$1,750
													\$0
Review Watermain installation within ICW													\$0
Meeting with FDOT			3.0				3.0		1.0			\$26	\$1,355
Meeting with HDD contractor to discuss approach		3.0					3.0						\$1,279
Review record drawings at FDOT Bridges to gain an understanding of existing utility crossings		2.0	4.0				8.0						\$2,761
Review available ROW to assess easement needs at the five watermain crossings		2.0	4.0				8.0						\$2,761
Update Narrative for the approach for the watermain installation		8.0	4.0				12.0		4.0				\$5,423
Update Conceptual Drawing		6.0	4.0				12.0						\$4,466
Update Opinion of Probable Construction Cost		6.0	4.0				12.0		1.0				\$4,556
													\$0
Prepare Material SFWMD Grant Meeting													\$0
Prepare Narrative for WPB Membrane Plant		6.0	3.0				12.0		4.0			\$24	\$4,566
Prepare Conceptual Plan for Membrane Treatment at WPB Plant		4.0	3.0				12.0						\$3,584
Follow Up Meeting with Lake Worth Beach		3.0	3.0										\$1,750
													\$0
November Council Meeting - Prep and Presentation													\$0
Council Prep		8.0	16.0				24.0		8.0			\$3	\$10,742
Council Presentation		12.0	6.0				6.0						\$6,058
Public Workshop 1 - Prep and Presentation													\$0
Workshop Prep		8.0	16.0				24.0		8.0			\$3	\$10,742
Workshop Presentation		12.0	6.0				6.0						\$6,058
Public Workshop 2 - Prep and Presentation													\$0
Workshop Prep		8.0	16.0				24.0		8.0			\$3	\$10,742
Workshop Presentation		12.0	6.0				6.0						\$6,058
													\$0
													\$0
TOTAL HOURS		122.0	114.0	0.0	0.0	0.0	211.0	0.0	40.0	0.0	0	\$102.14	\$99,600
LABOR (\$/HOUR)		\$298.33	\$285.00	\$201.30	\$195.00	\$160.00	\$128.00	\$111.21	\$90.09	\$157.43	1.00	1.0	
ALLOCATION		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	0.00	
TOTALS		\$36,396	\$32,490	\$0	\$0	\$0	\$27,008	\$0	\$3,604	\$0	\$0	\$102	\$99,600