

WORK ORDER No. 10 FOR PROFESSIONAL SERVICES

TO: H. W. Lochner, Inc.
8750 NW 36th Street, Suite 360
Doral, Florida 33178
(305) 503-9873

DATE: March 11, 2020

The City of Doral authorizes the firm of H.W. Lochner, Inc. to provide professional engineering services to update the City of Doral 20-year Water Use Plan. The work should be performed in accordance with the contract provisions contained in the Continuing Professional Services Agreement between H.W. Lochner, Inc. and the City of Doral dated February 2, 2018, and the attached Proposal submitted by your firm for the above referenced project.

SCOPE OF SERVICES AND SCEHDULE:

The scope of the project will be as described in the attached proposal from H.W. Lochner, Inc. The schedule requires the work to be performed within 6 months from receipt of the NTP. All limitations of time set forth in this Work Order are of the essence. The performance of services associated with this Work Order will be executed on a time and materials basis with a not to exceed amount \$22,955.00

You are required by the Continuing Service Agreement to begin work subsequent to the execution of this Work Order, or as directed otherwise. If you fail to begin work subsequent to the execution of this Work Order, the City of Doral will be entitled to disqualify the Proposal and revoke the award.

Work Order incorporates the terms and conditions set forth in the Continuing Services Agreement dated February 2, 2018 between the parties as though fully set forth herein. In the event that any terms or conditions of this Work Order conflict with the Continuing Services Agreement, the provisions of this specific Work Order shall prevail and apply.

Work Order is not binding until the City of Doral agrees and approves this Work Order.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the day and date first above written, in three (3) counterparts, each of which shall, without proof or accounting for the other counterpart be deemed an original Contract

CONSULTANT: H.W. Lochner, Inc.

BY: [Signature]
NAME: Edwin F. Mojena, PE
TITLE: Vice President

WITNESSES:

1. [Signature]
2. [Signature]



OWNER: City of Doral
BY: [Signature]
NAME: Albert P. Childress
TITLE: City Manager

AUTHENTICATION:

BY: [Signature]
NAME: Connie Diaz
TITLE: City Clerk

APPROVED AS TO FORM:

BY: [Signature]
NAME: Luis Figueredo
TITLE: City Attorney

LOCHNER

H.W. Lochner, Inc.
8750 NW 36th Street
Suite 360
Miami, FL 33178

T 305.503.9873
F 305.503.9882

hwlochner.com

August 14, 2019

Eugene Collings-Bonfill, P.E., P.S.M., CFM, PMP
Chief of Engineering
City of Doral
8401 NW 53 Terrace
Doral, FL 33166
T (305) 593-6740 Ext. 6017
M (786) 570-6957
F (305) 593-6617
eugene.collings@cityofdoral.com

RE: PROPOSAL – 20-Year Water Use Plan Update

Dear Mr. Collings-Bonfill:

H.W. Lochner, Inc. (LOCHNER) is pleased to respond to your request for proposal on the above referenced project. This work effort will be performed by our sub-consultant Hazen & Sawyer.

1. PROJECT BACKGROUND

The City of Doral has requested LOCHNER to provide planning and engineering services to update the 20-Year Water Use Plan.

2. SCOPE OF WORK FOR ENGINEERING SERVICES:

The prime scope of work consist of management, report coordination and meeting attendance. The scope of work for the Water Use Plan update is detailed in the sub-consultant's proposal.

3. CONTRACT SUM

For the services performed under paragraph 2, the Client will pay the Engineer time and materials fee in amount not to exceed **(\$22,995.00)** payable as follows. Any additional services will be negotiated as needed.

4. PAYMENTS

Subsequent progress payments of the above fees shall apply and invoice monthly in proportion to the services performed.

LOCHNER

Should the client wish us to provide and/or negotiate with third parties, any of the aforementioned services or any other additional work not included in this proposal under the Scope of Work, we will provide it on a Time Charge plus Expenses basis, computed as the sum the following:

- Salary Costs times a multiplier of 3.00
- Non-Salary expenses times a multiplier of 1.05

Salary costs is defined as salary and wages paid for time expend on the project plus the cost of Engineer's statutory and customary benefits, such as, insurance, sick leave, holidays, vacations, medical and retirement benefits, etc.

Non-Salary expenses include such typical expenses as cost of: transportation and subsistence; toll telephone calls and telegraph; computer time and programming costs; subcontract services such as: surveys, subsurface investigation and testing by commercial laboratories.

5. CLIENT RESPONSIBILITIES

Provide access to and make all provisions for the Engineer to enter upon public and private lands as required for the Engineer to perform his work under this proposal.

Place at the disposal of the Engineer all available information pertinent to the project upon which the Engineer can rely, including previous reports and any other data related to the design and construction of the project.

Designate a person to act as the Client's representative with respect to the work to be performed, such person to have complete authority to transmit instructions, receive information, interpret and define the Client's policies and decisions with respect to the work covered by this proposal.

6. SCHEDULE & DELIVERIES

The Engineer has neither jurisdiction nor control over the regulatory agencies and their plans review process, therefore the Engineer shall not be liable for the delays created by said agencies.

Engineering services will be completed within six months from receipt of the Notice-to-Proceed and requested data.

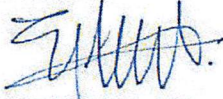
7. ACCEPTANCE

The return of an executed copy of this proposal would constitute our authorization to proceed.

LOCHNER

Very truly yours,

LOCHNER



Edwin Mojena, PE
Vice President

ACCEPTED BY: _____ DATE: _____

August 13, 2019

Manuel A. Sauleda, P.E.
Senior Associate / Senior Project Manager
LOCHNER
8750 NW 36th Street, Suite 360
Doral, FL 33178

City of Doral
2020 Water Supply Plan Update

As requested, Hazen and Sawyer, P.C. (CONSULTANT) is pleased to offer engineering services for the City of Doral's (City) Water Supply Facilities Work Plan Update (Work Plan).

BACKGROUND

City adopted a 20-Year Water Supply Facilities Work Plan (Work Plan) into its comprehensive plan amendments in April 2015. The purpose of the Work Plan update is to identify and plan in coordination with Miami-Dade Water and Sewer Department (WASD), for the water supply sources and facilities needed to serve existing and new development within the local government's jurisdiction. Chapter 163, Part II, Florida Statutes (FS), requires local governments to prepare and adopt updated Work Plans into their comprehensive plans within 18 months after the South Florida Water Management District (District) approves an update to the Lower East Coast (LEC) regional water supply plan.

The 2018 LEC's Water Supply Plan Update (LEC Update) was approved by the District's Governing Board on November 9, 2018. Therefore, the City must update its Work Plan and Comprehensive Plan. The deadline for incorporation of the updated Work Plan into the Comprehensive Plan is May 9, 2020.

CONSULTANT proposes the scope of work for this project as outlined below.

SCOPE OF SERVICES

Task 1 – Update Water Supply Facilities Work Plan

CONSULTANT shall utilize the format of the previously prepared 2015 Work Plan as the basis for 2019 Work Plan updates. The District issued a ***Technical Assistance Guidance for Water Supply Facilities Work Plan Updates*** in January 2019. CONSULTANT shall update the City's 2015 Water Supply Facilities Work Plan consistent with these guidelines. As outlined in the Guidelines document, the updates shall address the following items:

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Service Area Description and Updates Since 2015 Work Plan

CONSULTANT shall obtain data from the City, as needed, to identify specific updates required to the existing Work Plan. Such information shall include service agreements with neighboring utilities and conservation efforts.

Population Projections and Water Suppliers

CONSULTANT shall incorporate population projections consistent with those prepared by the WASD and the District including the following:

- Update the planning period of the Work Plan to the current year including: a minimum 10-year period consistent with the applicable Regional Water Supply Plan and the City's Comprehensive Plan. The planning horizon will be 2020 through 2040.
- Revise population projections with consideration given to the most current data.
- Provide updated consumptive use permit information for the WASD Water Treatment Plants serving the City.
- Show the City's service area(s) for the jurisdiction using a map.
- Update existing and projected level of service standards/per capita use rate.
- Update the current and future infrastructure needs of the City.
- Revise the status of alternative water supply capital improvements for the City to be consistent with the revised planning period.

*Level w/ 2015
of population*

Water Demand Projections

CONSULTANT shall update the water demand forecast based upon the updated water demand forecast information provided in the WASD 2019 Water Supply Facilities Work Plan as follows:

- Using the populations, planning period, and level of service/per capita use rate developed in the WASD 2019 Work Plan, revise existing water demand projections. The results should be consistent with the applicable Regional Water Supply Plan. The projections should address current and projected needs and sources based on the demands for industrial, agricultural, and potable water use. *All uses,*
- CONSULTANT shall process the above data and develop graphics forecasting the finished water demand in 5-year increments through the planning period.
- CONSULTANT shall utilize raw water demand information summarized in the WASD 2019 Water Supply Facilities Work Plan to determine if a water supply shortfall (a.k.a., "demand-not-met") is predicted over the planning horizon.

revise

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Water Supply, Treatment Capacities and Future Projects

CONSULTANT shall utilize the updated information summarized in the WASD 2019 Water Supply Facilities Work Plan (as determined in the previous subtasks) to identify their impacts to existing facilities and the improvements necessary to accommodate them including:

- Describe existing and future water sources for the City to meet the demand over the planning period. It is noted that in areas having limited fresh water availability, alternative sources may be necessary.
- Describe existing and future water treatment facilities and capacities to meet the demand over the planning period.
- Describe new commitments for water conservation and reclaimed water programs, if applicable.
- Provide updated water service area descriptions.
- Update water supply projects (alternative and traditional) to be consistent with the Work Plan's planning period (e.g. delete completed projects and add projects planned for the updated planning period).
- Revise the 5-Year Schedule of Capital Improvements to include the water supply projects deemed necessary within the five-year planning period.
- Sector Plans are not applicable to City's Work Plan. The Work Plan shall be updated to indicate that Sector Plans are not applicable.

Relevant Regional Water Supply Issues

CONSULTANT shall briefly present the regional water supply planning issues that impact the City and the WASD. The Work Plan shall identify how these issues are being addressed. Regional water supply planning issues shall be consistent with the Regional Water Supply Plan.

Summary Table

As required by the District, CONSULTANT shall develop a summary table in the Work Plan identifying where various items of the Work Plan are located within the local government's comprehensive plan.

Task 1 Deliverables

CONSULTANT shall provide the following to City:

1. Updated Work Plan - Draft: CONSULTANT shall prepare and electronically issue a PDF version of the draft updated work plan.
2. Meeting: CONSULTANT shall participate in one review meeting with City to receive and discuss City's review comments for the draft submittal.
3. Updated Work Plan - Final: Comments received from City will be incorporated into the final version of the updated Work Plan. CONSULTANT shall prepare and electronically issue a

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PDF version and Microsoft Word version of the Final Updated Work Plan. Up to three hard copies of the Work Plan will be submitted upon request.

Task 2 – Comprehensive Plan Recommendations

CONSULTANT shall perform the following duties regarding recommendations for adoption to the Comprehensive Plan:

- **CONSULTANT shall review the Comprehensive Plan Goals, Objectives and Policies related to water supply and provide suggested revisions to the Comprehensive Plan based upon the updated Work Plan for the following elements:**
 - **Implementation of the Work Plan**
 - **Concurrency for water supply availability**
 - **Water conservation programs**
 - **Alternative water supply projects**
 - **Reclaimed water programs**
 - **Level of service standards**
 - **Population projections**
 - **Water supply/source needs and demands**
 - **Capital improvement element**
 - **Intergovernmental coordination with the District, water suppliers, and other local governments. Identify any joint planning areas and joint infrastructure service areas related to water supply**
- **CONSULTANT shall recommend revisions to the Comprehensive Plan related to the data and analysis for availability of water supply sources, water treatment facilities, and water services for the revised planning periods.**
- **City will be responsible for incorporating the suggested revisions into the Comprehensive Plan document.**
- **There are three potential options available to local governments for adopting an original Work Plan into City's Comprehensive Plan:**
 1. **Option 1: Incorporate the Work Plan as a sub-element (option recommended by the Department of Economic Opportunity (DEO) and SFWMD);**
 2. **Option 2: Incorporate by reference in a policy; or**
 3. **Option 3: Include as goals, objectives and policies throughout the comprehensive plan.**
- **City will provide information on the option to be utilized. CONSULTANT shall indicate in the Work Plan the option selected by City.**

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Task 2 Deliverables

CONSULTANT shall provide the following for City:

- Comprehensive Plan Suggested Revisions - Draft: CONSULTANT shall review the Comprehensive Plan Goals, Objectives and Policies related to water supply and provide a memorandum with suggested revisions based upon the Updated Work Plan
- Meeting: CONSULTANT shall participate in one review meeting with City to receive and discuss City's review comments for the draft submittal.
- Comprehensive Plan Suggested Revisions - Final: Comments received from City will be incorporated into the final version of the Comprehensive Plan Goals, Objectives and Policies memorandum. CONSULTANT shall prepare and electronically issue a PDF version and Microsoft Word version of the memorandum. Up to three hard copies of the memorandum will be submitted upon request.

KEY ASSUMPTIONS

1. Previous 2015 Water Supply Plan in its present format will be used to the extent possible.
2. The population and water demand forecasts presented in the Work Plan shall cover up to the year 2040 to be consistent with the SFWMD's LEC Plan.
- WASD. ? 3. Population and water demand projections for the City of Doral service area are being prepared by the WASD. Population and water demand projections shall be provided to CONSULTANT for use in the updated 2019 Water Supply Facilities Plan.
4. CONSULTANT shall initiate work upon receipt of the WASD updated 2019 Water Supply Facilities Plan from the City.
5. The City of Doral does not own or maintain its own water supply system. The City of Doral Water Supply Plan is required to be updated based on the WASD Supply Plan updates.
6. → Incorporation of the recommendations into the Comprehensive Plan will be managed by City staff.

City Responsibilities

1. Upon issuing the notice-to-proceed, City will provide CONSULTANT with a copy of the following in electronic format:
 - Electronic copy of the Miami-Dade Water and Sewer Department 2019 Water Supply facilities Work Plan Update.
 - Information on recent developments regarding its reuse system and water conservation programs.

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COMPENSATION

The engineering services for this project will be performed for a not-to-exceed amount of \$20,880. A fee breakdown is attached.

SCHEDULE

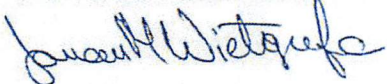
Engineering services will be completed within six months from receipt of the Notice-to-Proceed and requested data.

Services provided by Hazen and Sawyer, D.P.C. shall be limited to those services specifically identified in this work order.

We look forward to your reply. In the meantime, should you have any questions, please contact us.

Very truly yours,

HAZEN AND SAWYER, D.P.C.



Janeen Wietgreffe, P.E.
Associate Vice President

RESOLUTION No. 20-44

A RESOLUTION OF THE MAYOR AND THE CITY COUNCIL OF THE CITY OF DORAL, FLORIDA, AUTHORIZING THE CITY MANAGER TO EXECUTE A WORK ORDER WITH H.W. LOCHNER, INC. TO PROVIDE PROFESSIONAL SERVICES TO UPDATE THE CITY OF DORAL 20-YEAR WATER USE PLAN IN AN AMOUNT NOT TO EXCEED \$22,995.00; AUTHORIZING THE CITY MANAGER TO EXECUTE THE WORK ORDER AND EXPEND BUDGETED FUNDS ON BEHALF OF THE CITY IN FURTHERANCE HEREOF; PROVIDING FOR IMPLEMENTATION; AND PROVIDING FOR AN EFFECTIVE DATE

WHEREAS, On May 20, 2015, the City of Doral adopted a 20-year Water Supply Facilities Work Plan into the Comprehensive Plan amendments.

WHEREAS, the purpose of the 20-year Water Use Plan update is to identify and plan in coordination with Miami-Dade Water and Sewer Department (WASD), for the water supply sources and facilities needed to serve existing and new development within the local government's jurisdiction.

WHEREAS, Chapter 163, Part II, Florida Statutes (FS), requires local governments to prepare and adopt updated Work Plans into their comprehensive plans within 18 months after the South Florida Water Management District (District) approves an update to the Lower East Coast (LEC) regional water supply plan.; and

WHEREAS, H.W. Lochner, Inc., is a prequalified provider of professional engineering services selected in accordance with Consultant Competitive Negotiation Act (CCNA) requirements (RFQ 2017-21) and approved by the City Council (Reso. No. 17-202) in November 2017; and

WHEREAS, staff recommends that the City Council approve and authorize the City Manager to execute the work order with H.W. Lochner, Inc. prepared the attached proposal on a time and material basis with a not to exceed amount of \$22,995.00; and

WHEREAS, funding for this request is available from Fiscal Year 2019-20 in the Planning and Zoning Professional Services Account No. 001.40005.500310.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND CITY COUNCIL OF THE CITY OF DORAL, FLORIDA, AS FOLLOWS:

Section 1. Recitals. The above recitals are confirmed, adopted, and incorporated herein and made part hereof by this reference.

Section 2. Approval. The Work Order between the City of Doral and H.W. Lochner, Inc. for the engineering services for environmental sampling, in an amount not to exceed of \$22,995.00, a copy which is attached as Exhibit "A", is hereby approved.

Section 3. Authorization. The City Manager is authorized to execute the Work Order and expend budgeted funds on behalf of the City in furtherance hereof.

Section 4. Implementation. The City Manager and the City Attorney are hereby authorized to take such further action as may be necessary to implement the purpose and the provisions of this Resolution.

Section 5. Effective Date. This Resolution shall take effect immediately upon adoption.

The foregoing Resolution was offered by Councilmember Mariaca who moved its adoption.

The motion was seconded by Councilmember Cabrera and upon being put to a vote, the vote was as follows:


Mayor Juan Carlos Bermudez	Yes
Vice Mayor Christi Fraga	Yes
Councilwoman Digna Cabral	Yes
Councilman Pete Cabrera	Yes
Councilwoman Claudia Mariaca	Yes

PASSED AND ADOPTED this 11 day of March, 2020.



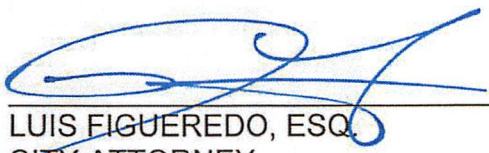
JUAN CARLOS BERMUDEZ, MAYOR

ATTEST:



CONNIE DIAZ, MMC
CITY CLERK

APPROVED AS TO FORM AND LEGAL SUFFICIENCY
FOR THE USE AND RELIANCE OF THE CITY OF DORAL ONLY:



LUIS FIGUEREDO, ESQ.
CITY ATTORNEY