

August 21, 2024

SENT VIA E-MAIL ([jcolmenrares@fortlauderdale.gov](mailto:jcolmenrares@fortlauderdale.gov))

**Jose Colmenares**

Project Manager II

City of Fort Lauderdale

Public Works – Engineering

100 N. Andrews Ave., Fort Lauderdale, FL 33301

Re: P11465 17<sup>th</sup> Street Causeway – Large Watermain Replacement  
**Additional Scope**

Dear Mr. Colmenares,

Chen Moore and Associates (CMA) is pleased to submit a Scope of Services to provide professional engineering services for the Design Criteria Package (DCP) for the 17<sup>th</sup> Street Causeway Large Watermain Replacement project. The work includes revising the design of the original DCP package to eliminate the existing 16-inch watermain in 17<sup>th</sup> street and update the information in all existing utilities within the project corridor.

**I. BACKGROUND**

The original scope included preparation of a design criteria package (DCP) for the replacement of approximately 6,400 linear feet of 10-inch and 12-inch watermain located on 17<sup>th</sup> Street Causeway and Cordova Boulevard as depicted below in Figure #1. CMA prepared 30% design plans and specifications describing all major systems, elements, details, components, materials, equipment, and information necessary for a design/build (D/B) contractor to develop and finalize the design and construction of the project. After completion and submittal of the Design Criteria Package, the project was placed on hold by the CITY. This Task Order includes additional scope of work to eliminate an existing 16-inch watermain and update the existing utility information in the project.

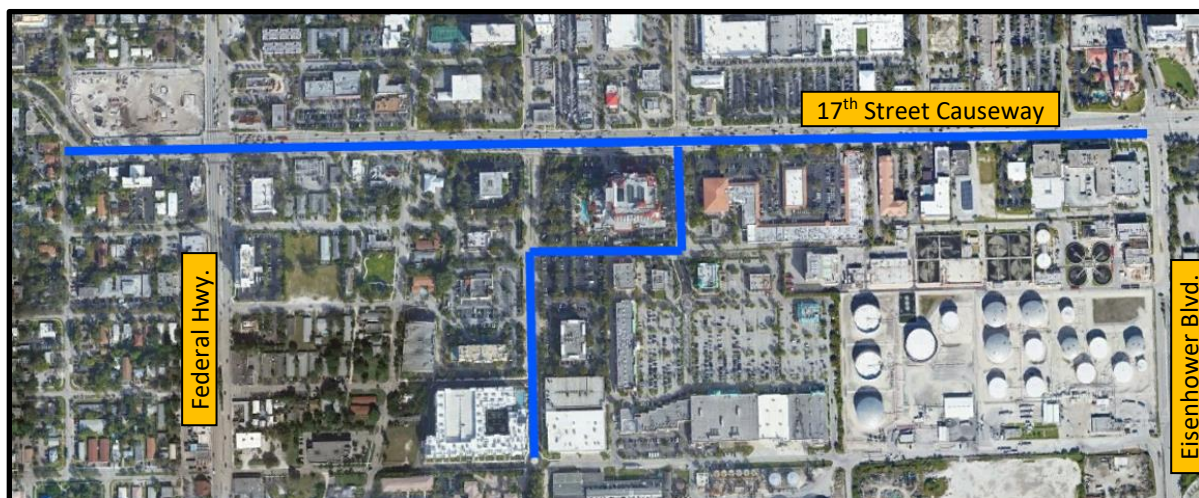


Figure #1: Project

## II. **SCOPE OF SERVICES**

The Scope of Services to be provided by CMA shall be as follows

### **Task #1 – Plan Revisions**

This task will include the following deliverables:

- Update existing plans to eliminate the existing 16-inch watermain on 17<sup>th</sup> Street Causeway
- Relocate water service, hydrant and fire line connections from the existing 16-inch watermain to the new 24-inch watermain.
- Revise plans, as necessary. It is anticipated that the new design will be mostly for an open cut project. Plans will be revised to eliminate the current design which shows installation via horizontal directional drilling (HDD). A crossing via HDD is still anticipated under US-1 (Federal Highway).
- Revise Opinion of Probably Cost as required by the new changes.
- Revise Specifications.
- Update project schedule, project scope and information necessary for the DCP.
- Obtain new Sunshine 811 design information and coordinate with utility owners to update the existing utility information within the project boundaries.
- Incorporate new utility information into the plans.

**Deliverables:** The following deliverables shall be provided under this Task:

- Electronic copy of complete Design Criteria Package
- Meetings with CITY as necessary

## III. **ASSUMPTIONS AND GENERAL REQUIREMENTS**

- a. The CONSULTANT shall be solely responsible for determining the standards the work shall meet. The design shall include, but is not limited to, the plans and specifications, which describe all systems, elements, details, components, materials, equipment, and any other information necessary for construction. The design shall be accurate, coordinated between disciplines, and in all respects, adequate for construction, and shall be in conformity, and compliance with all applicable laws, codes, permits, and regulations.
- b. The CONSULTANT is responsible for the quality control (QC) of their work and of its sub-consultants.
- c. The CONSULTANT shall be responsible for the professional quality, technical accuracy, and coordination of all pre-design services, designs, drawings, specifications, and other services furnished by the CONSULTANT and their sub-consultant(s). It is the CONSULTANT's responsibility to independently and continually QC their plans, specifications, reports, electronic files, progress payment applications, schedules, and all project deliverables.
- d. The CONSULTANT shall coordinate with the CITY, regulatory agencies, and any other government entity having an interest or jurisdiction, which may require permits for this project. The CONSULTANT shall provide an estimate of fees and duration associated with the permitting process. The assumption is that the Design-Build Contractor will be

responsible for obtaining all necessary permits with the completed design. The actual requirements will be defined as part of the Project definition.

- e. It is the CONSULTANT's responsibility to verify existing geometry is acceptable to all permitting agencies.
- f. Permitting is not anticipated. All work to be done within City R/W or easements.
- g. DBF shall submit as-builts which are signed and sealed by a State of Florida Professional Land Surveyor.
- h. Progress meetings is limited to attendance, it is assumed the meeting agenda, back-up and meeting minutes will be prepared by the DBF.
- i. If available, copies of all relevant data, including correspondence, as-builts, design plans or reports in CITY's possession which may be beneficial to the work effort performed by CONSULTANT.

#### IV. **PROJECT SCEHDULE**

Task	Duration	Comments
Task 1 – Plan Revisions	12 weeks	Requires coordination with utility owners

#### V. **FEES**

Services will be provided for the following Not-to-Exceed amounts:

Task	Consultant	Sub Consultant	Total Fee
Task 1 – Plan Revisions	\$39,529.75	\$0.00	\$39,529.75
<b>Grand Total</b>	<b>\$39,529.75</b>	<b>\$0.00</b>	<b>\$39,529.75</b>

Should you have any questions, please do not hesitate to contact me at my office at (954) 730-0707 x 1085, my cell phone at (772) 361-9759 or send me an electronic message at [ddavila@chenmoore.com](mailto:ddavila@chenmoore.com).

Respectfully submitted,



CHEN MOORE AND ASSOCIATES  
Principal Engineer  
Daniel Davila, P.E.

Exhibit A: Fee Breakdown

## Exhibit A

P11465 17TH STREET CAUSEWAY – LARGE WATERMAIN REPLACEMENT										
TASK 1 - PLAN REVISIONS										
	Intern	Sr. Technician	Associate Engineer	Sr. Designer	Project Engineer	Sr. Construction Specialist	Sr Engineer	Project Manager	Sr PM / Principal Eng	<i>Sub-Total</i>
	\$53.00	\$90.00	\$115.00	\$134.00	\$135.00	\$130.00	\$182.50	\$170.00	\$210.00	
Coordination / kick off	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	\$ 609.75
Coordination with Utility Owners, Sunshine call GIS and digitalization					40					\$ 5,400.00
As-built gathering and review			8							\$ 920.00
Update design plans				140	30					\$ 22,810.00
Cost Estimate					10					\$ 1,350.00
Specs							8			\$ 1,460.00
Project schedule, scope for DCP					8					\$ 1,080.00
PM / QC									8	\$ 1,680.00
Meetings					8		8		8	\$ 4,220.00
TOTAL HOURS	0.5	0.5	8.5	140.5	96.5	0.5	16.5	0.5	16.5	
						<b>TOTAL -</b>	<b>TASK 1 - PLAN REVISIONS</b>			\$ 39,529.75
<b>TOTAL FEE</b>										<b>\$ 39,529.75</b>