



October 17, 2018
October 23, 2018 (Revised)
November 28, 2018

Mr. Leighton Walker
Assistant Executive Director – Utilities Special District
City of Riviera Beach
600 W. Blue Heron Boulevard
Riviera Beach, FL. 33404

Dear Mr. Walker,

Re: Continuing Engineering Services Agreement – RFQ No. 947-18-1
City of Riviera Beach Utility Special District
Congress Avenue 10-inch Asbestos Concrete Water Main Replacement
EAC Project No. 18034.WW01-02

Dear Mr. Walker,

EAC Consulting Inc. (EAC) is pleased to submit this revised fee proposal to provide civil engineering and limited construction administration services for the above referenced project as part of our Continuing Engineering Services Agreement with the City of Riviera Beach. We look forward to working with the City of Riviera Beach (City) on this important infrastructure project.

PROJECT LIMITS

The project limits are as follows:

- N. Congress Avenue from W 13th Street to Essex Lane (Refer to Attachment A)

PROJECT UNDERSTANDING

It is our understanding that the City and the Florida Department of Transportation (FDOT) are collaborating on the Congress Avenue Lighting Project. The limits of this Project are along N. Congress Avenue from North of 45th Street to Blue Heron Boulevard.

FDOT Contract Plans (Financial Project ID 436893-1-52-01) have been developed by others (Lighting Consultant) for the implementation of the referenced Lighting Project; however, there is an existing conflict between the proposed lighting foundations and an existing asbestos water main along the east side of N. Congress Avenue between W 13th Street and Essex Lane. Therefore, the scope of this project is to perform engineering design and permitting services to eliminate the existing conflict.

It is also our understanding that Maintenance of Traffic (MOT) plans will be developed and permitted by the selected contractor.

SCOPE OF WORK

The City is requesting EAC Consulting, Inc. to provide services related to Design and Permitting for the relocation/replacement of approximately 1200 LF of 10-inch asbestos concrete (AC) pipe along N. Congress Avenue, from W. 13th Street to Essex Lane. Based on a field visit and a review of the City's GIS maps, it appears that the existing 10-inch AC pipe is located towards the front edge and under the existing sidewalk along the eastern side of the referenced project limits.

Specifically, EAC will develop and deliver the following to the City:

- Watermain relocation Plan and Profiles
- Roadway Restoration Plans for areas affected by the water main installation
- Technical Specifications
- Engineers probable cost of construction

LIST OF SCOPE TASKS

Task 1 – Pre-Design Services

Task 1.1 – Project Kick-Off Meeting, Project Management and Site Visit

Kick-Off Meeting

EAC Consulting, Inc. will coordinate a project kick-off meeting within one (1) week after receiving notice-to-proceed. The purpose of this task is to initiate the project, which includes identifying project protocols, establishing coordination between EAC Consulting, Inc., and City staff. Collection of all available relevant documents and existing data such as as-built drawings from the City. Receive direction on the selected proposed pipe material to be used for the project.

Project Management

EAC will provide Project Management and Administration services that will comprise of contract administration, preparation of invoices, coordination with project staff and the Congress Avenue Lighting Project consultant, monitoring the project's progress and attendance at meetings.

Site Visit

EAC Consulting, Inc. will also conduct a detailed site visit to identify any unique site characteristics that may affect project/construction conditions.

Task 1.2 – Geotechnical Investigations

A geotechnical report, dated September 22, 2017 was provided by the Lighting Consultant.

Deliverables

N/A

Task 1.3 – Topographic Survey

- A topographical survey, including CAD files was provided by the City.
- An electronic DTM (TIN File) was provided by the City

Deliverables

Information provided by the City will be used as a base file to develop construction plans.

Task 1.4 – Utility Coordination

EAC Consulting, Inc. shall contact all existing utility owners, as identified by Sunshine State One Call of Florida (SSOCOF) based on the referenced project limits. EAC will request copies of as-built information related to facilities located within the project's limits. EAC will also notify the utility owners of the proposed design work and request their concerns regarding potential conflicts between the proposed work and their respective utilities.

Deliverables

Information provided by utility contacts will be included in the construction plans.

Task 2 - Design Services

During this phase of the project, EAC will develop 60% and 100% construction documents for permitting and approval by the applicable agencies.

Task 2.1 – 60% Design Milestone

The 60% design milestone submittal shall consist of construction documents that will include proposed water main plan and profile, pavement restoration, general notes, and details.

The purpose of this submittal is to provide the City with a submittal for review and comments prior to submission for permits. EAC will incorporate one set of consolidated comments from the City.

Deliverables

60% Construction Documents

Task 2.2 – 100% Design Milestone

The 100% design milestone submittal shall consist of final construction documents that will include proposed water main plan and profile, pavement restoration, general notes, and details.

The purpose of this submittal is to secure design-related permits from all applicable agencies and incorporate information received into the final construction documents.

Deliverables

100% Construction Documents

Task 3.0 – Permitting and Approvals

EAC shall prepare the required permit packages, including engineering plans and permit applications for submission to the relevant permitting agencies. EAC has estimated reimbursables to include permit fees, however if permit fees exceed reimbursable budget, then EAC will require additional permit fees directly from the City. The permitting agencies for this project are anticipated to include: The City of Riviera Beach, Florida Department of Environmental Protection (FDEP) and Palm Beach County.

Task 4.0 – Limited Construction Administration (10-Weeks)

With the exception of assisting the City with the answering Requests for Information (RFIs) during the Bid and Award phase of the project, no Bid and Award services are included in this proposal.

EAC's services during construction will be limited to a duration of 10-weeks of active construction that commences on the date Notice to Proceed (NTP) is effective for the City's selected contractor. EAC will provide the following services during and after active construction: (1) Shop Drawing Reviews, (2) Responding to RFIs, (3) Opining and providing recommendations on Change Orders, (5) Performing site visits and coordination with City's Inspector, (6) Witnessing pressure testing of proposed watermain, (7) Review of As-builts, and (8) Preparing certification and permit closeout packages.

Deliverables

Applicable Design-related Permits and Approvals

Sheet Name	No. of Sheets
Cover Sheet	1
General Notes	1
Construction Notes	1
Horizontal Control Plans	1
Plan and Profiles @ 500 feet per sheet	3
Roadway Restoration Plans	3
Water Main Detail Sheets	1
Total Sheets Count	11

Schedule of Fees

Tasks	\$
Task 1 – Pre-Design Services	\$3,463.00
Task 2.1 – 60% Design Documents	\$9,198.00
Task 2.2 – 100% Design Documents	\$7,461.00
Task 3.0 – Permitting and Approvals	\$5,180.00
Lump Sum Design Fee	\$25,302.00
Task 4.0 – Limited Construction Administration (CA) Not to Exceed (NTE)	\$7,158.00
Design and Limited Construction Administration Fee	\$32,460.00
Reimbursable (NTE)	\$3,000.00
Grand Total Fee	\$35,460.00

Anticipated Design Schedule

Tasks	Time
Task 1	NTP + 1 week
Task 2.1	Task 1 + 3 weeks
City Review	Task 2.1 + 2 week
Task 2.2	City Review + 2 weeks
Total Duration	8 weeks

Proposal Assumptions and Exclusions

The aforementioned scope of services assumes that:

1. No work is being proposed within Blue Heron Boulevard or Dr. Martin Luther King Jr Boulevard.
2. No land surveying services are included in this proposal, including services related to topographic surveying, land acquisition, eminent domain, temporary or permanent easements, etc. It is assumed that the survey provided by the City will be sufficient to execute the work.
3. It is assumed that any and all permits required by the City will be provided by all relevant departments within the City through the routing of submittals by the Utility Special District.
4. No work associated with any other utilities or underground infrastructure is included in this fee proposal including but not limited to forcemains, sanitary sewers, storm sewers, gas mains, etc.
5. If utility relocations other than the watermain described in this proposal are required, EAC will not be responsible for the engineering design of said relocations or any construction related services for said relocations.
6. Proposed water main will be installed by open cut trench methods. This proposal does not include any trenchless design or subaqueous design services.
7. If necessary, Soil and Groundwater contamination mitigation, remediation services or environmental assessments/services will be dealt with by others.
8. EAC has estimated reimbursables to include permit fees, however if permit fees exceed reimbursable budget, then EAC will require additional permit fees directly from the City.
9. No Bid and Award services are included in this proposal. It is assumed that the City will advertise the project for public bid and will make a contractor selection of their choice. EAC will however assist the City with answering any questions from prospective contractors during the bidding process.
10. The fee for limited construction administrative services was estimated based on a construction duration of 10-weeks. It is our understanding that during the active construction; the City will provide a construction inspector on a full-time basis. If construction activities exceed a 10-week construction duration, then EAC reserves the right to be compensation for the additional time.
11. Utilities shown on the plans will be as identified through Sunshine State One Call of Florida.
12. No public involvement services, community outreach services are included in this scope of services.
13. No drainage, landscaping, hardscaping, sidewalk improvements or signalization design services are included in this proposal.
14. EAC will not be responsible for services related to Joint Participation Agreement (JPA) between the City and any utility entity or any other agency within the project limits.

Please feel free to call me at 305-265-5444 with any questions or concerns.

Sincerely,

EAC Consulting, Inc.



Huntley Higgins, P.E., PMP

Water Services Department Manager

cc: File;
Donna Grace, P.E. – EAC Consulting, Inc.
Mike Adeife, P.E. – EAC Consulting, Inc.

Attachments - Project Location Map – Attachment A

ATTACHMENT - A



PROJECT LIMITS

Industrial Dr S

Seabird Way

Seahawk Cr

W 22nd St

W 20th St

Interstate Park Rd N

Interstate Park Way

W 17th St

W 16th St

Interstate Park Rd W

Interstate Park Rd S

Marsh Harbor Dr

Jake Ln

Forest Ln

W 14th St

Avenue T

W 12th St

Avenue R

Garden Rd

Lucaya Dr

Abaco Ln

Tonga Dr

W 10th St

Avenue U

W 9th St



710

N Congress Ave

Sam Cooper Way

