

ATTACHMENT "A" TASK AUTHORIZATION FORM

In accordance with the Continuing Services Agreement between the City of Deltona, Florida, hereinafter referred to as "City", and BESH Halff, Inc. ("Consultant") for Continuing On-Call Water and Wastewater Utility Line Engineering Services per RFQ# PW 2020-09 dated September 30, 2020. The City hereby authorizes Consultant to proceed with the services as set forth in the attached task order proposal as follows:

Consultant Project Number: 044667.004

Consultant: BESH-Halff, Inc.

Scope of Work: Group 2 – 3 – 4 Water Main Replacements

Introduction: The City of Deltona is in the process of conducting water main replacements in certain areas of the City which are currently served by pipes in need of replacement. Some old pipes are asbestos concrete pipes, and others are thin-wall class PVC. Lines constructed of both materials are in need of replacement. Additionally, some areas are served by lines too small to offer fire protection. The City has requested a proposal for the survey, design, permitting and construction administration for replacement of the following areas in Groups 2, 3 and 4, totaling approximately 10,600 LF:

Group 2

1. 4" on Mayflower Ave from Arab to Quail Roost St – 1,200LF
2. 4" on Eagles Nest Ave from Arab to Quail Roost St – 1,041LF
3. 4" on Quail Roost St to Embassy to Deltona Blvd – 774LF

Group 3

1. 4" on Brady Dr from Saxon Blvd to Persian St – 585LF
2. 6" on Persian St from Brady Dr to Waycross Cir – 830LF
3. 4" On Canfield Ter from Persian St to Saxon Blvd – 490LF
4. 4" on Moreno Ter from Persian St to Saxon Blvd – 383LF

Group 4

1. 6" on Clearfield from Providence to West Page – 843LF
2. 8" on N Page from Providence to Saxon Blvd – 1,369LF
3. 4" on Fieldstone Ave from N Page to Findlay St – 888LF
4. 6" & 4" on Findlay from Agatha to Bloomfield Ave – 1,449LF
5. 6" on Ferguson from Findlay to Providence Blvd – 725LF

Task 100 Route Survey

Prepare a Record Survey for the replacement of water lines in the City of Deltona, Florida. Record Survey will consist of Streets and Avenues being defined as Group 2, Group 3 and Group 4 per City of Deltona GIS mapping. There will be a total of twelve (12) streets included within the three (3) group areas and the total linear footage is outlined above. (APPROXIMATE LENGTH = 10,577 LINEAR FEET) It is understood that adequate topographic coverage will be collected approximately 5 to 10 feet beyond the route corridor. The survey will include spot elevations to determine 1-foot contour intervals. The survey will also include establishing all of the public rights of way along the stated roadways. All surface improvements will be located within the right of way including evidence of utilities flagged or marked by others, above ground utilities, driveways, sidewalks, mailboxes, fences and trees. Invert elevations on existing sewer manholes and storm structures will be measured and shown on the survey.

Task 200 Underground Utility Locating Services

BESH Halff will contract with Precise Locating Services to locate all existing underground utilities within the rights-of-way described above.

Task 300 Utility Engineering Design

BESH Halff shall prepare final engineering drawings for the proposed water mains along the routes described above. Utility lines shall be designed to meet all FDEP, City of Deltona, and Volusia County design requirements, making connections to existing utilities as possible along the route, and providing for reconnection of all existing water services.

Task 400 Utility Permitting

BESH Halff shall prepare the required permit applications and make submittal to the Volusia County Department of Health as necessary to properly permit the water main replacements. BESH shall also prepare the required Volusia County R/W-Utility Permit applications for water main connections in the Saxon and Providence Boulevard Rights-of-Way, and make submittal to the County. It is anticipated that there will be five (5) Volusia County Utility Permits needed at the 5 connection points located within Volusia County rights-of-way. It is also anticipated that there will be three separate DOH permit applications required, one for each Group, as they are not contiguous. The City of Deltona will pay the DOH and Volusia County permit fees for the above permits.

Task 500 Construction Specifications/Bid Documents and Bid Services

Services to include preparation of written construction specifications. BESH Halff, shall coordinate with all qualified bidders during the bid process and prepare final bid evaluations with recommendations to client. City of Deltona shall prepare all "Front-End/Contract Documents", and shall also prepare final contract documents between Owner and Contractor.

Task 600 Project Administration

The scope of services shall include administrative services necessary to coordinate all aspects of the project through the planning, design and permitting phase. These services shall include project scheduling with all regulatory agencies and public utility companies during the design and permitting phase of the project.

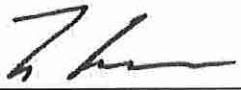
Estimated Fees:

Tasks	Total Cost
1- Route Survey	\$ 56,240.00
2- Underground Utility Locates	23,900.00
3- Utility Engineering Design	20,800.00
4- Utility Permitting	12,600.00
5- Construction Specifications	6,240.00
6- Project Administration	3,600.00
<u>Reimbursable Expenses and Other Direct Costs</u>	<u>\$ 2,500.00</u>
	\$125,880.00

Consultant's Project Manager: Robert A. Ern, Jr., P.E.


City's Designated Project Leader: _____

CONSULTANT

Accepted By: 
Robert A. Ern, Jr., P.E., Vice-President

August 4, 2021
Date

CITY

Reviewed and Accepted By: 
Public Works Director

8-4-21
Date

If more than \$5,000:

Reviewed and Accepted By: _____
City Manager
Date

Deputy City Manager
Date

cc: As applicable,

Fee Estimate Breakdown

[illegible]