



TranSystems

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March 1, 2023

Megan Wepfer
Public Works Director
City of Madeira Beach
300 Municipal Drive
Madeira Beach, FL 33708

RE: Proposal for Professional Surveying, Engineering, Permitting & Bidding Services
AREA 6 – Municipal Drive, 155th Avenue, 154th Avenue, 153rd Avenue, 1st Street East,
2nd Street East

Dear Megan:

Thank you for the opportunity to present our proposal to perform Professional Engineering & Surveying Services for the Stormwater, Utility and Roadway Improvements Project of Area 6. The proposed scope of work is to coordinate with Pinellas County Utilities for the reconstruction and replacement of the potable water distribution system and sanitary sewer collection system, replacement of the City's stormwater collection system, replace the curbs and mill and resurface the roadway and coordination of undergrounding the utilities within the project limits. Deuel & Associates proposes to prepare the construction plans and specifications, apply for all needed permitting through the local regulatory agencies, assist the City with advertising the Request for Proposals and conduct the public bid opening.

OUR SERVICES WILL INCLUDE:

I. RIGHT OF WAY & TOPOGRAPHIC SURVEY:

1. Conduct an apparent right-of way survey with topography of Area 6 and provide topography over the stormwater outfall pipes.
2. Locate all above ground utilities and paint marking of buried utilities.

II. CONSTRUCTION PLAN PREPARATION AND SPECIFICATIONS:

Deuel will prepare site construction plans for submittal to the permitting agencies to include:

1. Demolition Plan: The demolition plan will show the extent of structures, pipes, pavement, trees, etc. to be removed.
2. Site Geometry Plan: The geometry plan will show the horizontal dimensions of the proposed roadway alignment and site improvements.
3. Paving, Grading and Drainage Plan: The paving, grading and drainage plan will provide grading for the proposed roadway

alignment and right of way improvements and depict improvements for stormwater drainage.

4. Utility Plan: The utility plan will show the location of any utilities that are required to be relocated or replaced.
5. Maintenance of Traffic Plan Specifications.
6. Site Details: The site details will show specifications of all structures, pavement, walks, curbs. Signs, cross sections, etc. shall be provided to cover all aspects of design and ensure proper construction as intended.
7. Construction Notes and Specifications: The site notes and specifications will cover all aspects of construction, limitations, tolerances, agencies requirements, material criteria, etc.
8. Final Bid Tabulation and Technical Specifications for Bidding Purposes.

III. GEOTECHNICAL INVESTIGATION:

1. Conduct 12 subsurface borings to determine the existing roadway composition.
2. Conduct Ground Penetrating Radar services to determine the location and depth of existing utilities.
3. Perform 15 soft digs to confirm the location, type and material of the utility.

IV. PERMITTING:

Engineer will submit plans to various agencies for concurrent permit review. All or some of the following agencies may be reviewing this Project for permitting:

- Southwest Florida Water Management District (SWFWMD)
- Pinellas County Utilities
- Florida Department of Environmental Protection – Potable Water
- City of Madeira Beach

V. AGENCY MEETINGS AND PROJECT COORDINATION:

1. Coordinate with Pinellas County Utilities for the replacement of the potable water distribution and sanitary sewer collection systems prior to the mill & resurfacing of the roadways. Determine if the current potable water system meets the current National Fire Prevention Association's standards.
2. Coordinate and attend meetings with public Utility owners. Copies of the plans will be provided to the private utility companies for their use.
3. Conduct meetings/coordination with SWFWMD, Pinellas County and the City of Madeira Beach as needed.
4. Coordinate and attend a meeting with the public to discuss the project and obtain resident information regarding ongoing issues.

VI. ASSIST THE CITY WITH ADVERTISING & BID OPENING SERVICES:

1. Assist the City with advertising the project and conduct the public bid opening.

2. Conduct a Pre-Construction Conference with the construction company.
3. Review and respond to Requests for Additional Information during the Bid Process.
4. Assist with coordination with the Bid Committee
5. Assist with the preparation of the Commission Agenda Memo.

VII. REIMBURSABLE EXPENSES:

All express delivery charges, long distance telephone and fax transmissions, all plans requested by Client, Contractor and/or Architect including all submittal sets and all reproducible required by permitting agencies (printing charges) and Aerial photographs obtained from outside sources. These items will be billed to the owner monthly as they are incurred. Any additional expense in this category will need prior written authorization from the Client.

We will provide the above Services for a Total Lump Sum Fee As Described for Each Task:

- I. SURVEY: Fifteen Thousand Five Hundred Dollars (\$15,500.00)
- II. CONSTRUCTION PLAN PREPARATION: Sixty Five Thousand Dollars (\$65,000.00)
- III. GEOTECHNICAL & GPR INVESTIGATION: Twenty Five Thousand Dollars (\$25,000.00)
- IV. PERMITTING: Seventeen Thousand Five Hundred Dollars (\$17,500.00)
- V. AGENCY MEETINGS AND COORDINATION: Ten Thousand Dollars (\$10,000.00)
- ▶ VI. ASSIST THE CITY WITH ADVERTISING & BID OPENING SERVICES: Eight Thousand Five Hundred Dollars (\$8,500.00)

Total Lump Sum Contract: One Hundred Forty One Thousand Five Hundred Dollars (\$141,500.00)

Our services include design of civil plans; permit application submittals, and response to review comments with re-submittals. Any services not specifically mentioned above are not included in this proposal. Any additional survey work requested by the contractor during construction will also be billed at our hourly rates.

HOURLY ITEMS:

- Any item not specifically stated in items I - V will be billed at our previously provided fee schedule.

TO BE PROVIDED BY CLIENT:

- All applicable permit fees, impact fees, and letter of ownership (from title

company or attorney).

- Documentation of ownership and/or authorization for permitting.

If this proposal is acceptable, please provide a purchase order as authorization to proceed.
Should you have any questions do not hesitate to call me at (727) 822-4151.

A handwritten signature in black ink, appearing to read "Albert Carrier".

Albert Carrier, P.E., PSM
Vice President | Project Management