



Stantec Consulting Services Inc.

901 Ponce de Leon Blvd, Suite 900, Coral Gables FL 33134

July 18, 2019

City of Key West
3140 Flagler Ave
Key West, FL 33040

Attention: Karen Olson
Deputy Director, Port and Marine Services

Reference: Trumbo Pier Final Design

Dear Ms. Olson,

We are pleased to present this proposal of professional engineering services for your consideration.

We understand that the City would like to move forward with the final design of a new floating dock at Trumbo Pier at the Key West Bight Ferry Terminal. Environmental permits were obtained based on 30% design plans as per previous authorization from the City and therefore it is not a part of this proposal.

Scope of Project:

The proposed improvements consist of a new floating dock, approximately 170 feet in length, with new finger piers. The floating dock facility will be like those completed at Tarpon Pier, Sailfish Pier, and Dolphin Pier at the City Marina. Pier material will be aluminum framing with Ipe decking with an ADA compliant ramp. New utility lines will be provided including HDPE piping for water, sewer and fire protection, G-Cable and all electrical pedestals will be provided; new electrical equipment, utility connections, and sanitary pump-out. All new piles will be epoxy coated tubular steel. It is anticipated that a new electrical service point may be required based on recent improvements and modification to the existing upland electrical equipment.

The City shall provide submerged lands ownership/easement documentation. No lighting or landscaping is included in our scope.

Scope of Services:

Design Phase:

Engineering design of floating dock system including, structural, electrical, domestic/fire water and sanitary sewer. The floating dock system will be designed for 120 mph wind/wave loads fully occupied, and 150 mph partially occupied. We will provide preparation of construction documents, specifications and construction cost estimates. Our scope includes soil parameters and lateral capacities of piles to be used in design of the new pier structure. Project Contractor will be required to secure all local building permits.

Bid Phase:

Prepare bid package including general and supplemental conditions (to be provided by City in electronic format), standard specifications, and bid form. Attend pre-bid meeting with potential contractors, answer



July 18, 2019
Karen Olson
Deputy Director, Port and Marine
Services Page 2 of 2

bidder questions, prepare addendums if necessary, and review of submitted bids. These services will be provided only to the extent requested by the City.

Construction Phase:

Prepare Construction set (4 Signed and Sealed and pdf), attend preconstruction meeting, answer Contractor's RFIs, attend weekly meeting via phone conference (if needed), develop and maintain submittal register, review shop drawings, periodic site observation visits (bi-monthly at a minimum (site visits will be performed by Terramar Environmental Services, Inc, see enclosed proposal); for each visit we will prepare a written observation report with photos), review construction progress, final inspection and project certification. Our scope also includes closing all environmental permits. These services will be provided only to the extent requested by the City.

Terms and Conditions:

All terms and conditions shall be per our Agreement for General Engineering Services (dated October 13, 2017). Permit fees are not included and can be paid by Stantec and reimbursed if required.

| | |
|--|-----------------|
| Design Phase (Lump Sum) | \$46,842 |
| Bid Phase (Hourly not to exceed) | \$10,794 |
| Construction Phase (Hourly not to exceed) | \$22,584 |
| Reimbursable and Additional Services (Allowance) | \$4,500 |
| Total: | \$84,270 |

We are ready to begin working on this assignment upon your authorization to proceed. If acceptable to you, we will accept a signed copy of this proposal or a purchase order as your written authorization to proceed with the assignment.

Thank you,
Stantec Consulting Services Inc.

Sean Compel, P.E., LEED AP
Senior Associate
Tel: 305-445-2900
sean.compel@stantec.com

FEE WORKSHEET**DATE:** 15-Jul-19**PROJECT:** Trumbo Pier at Garrison Bight**Design Services:**

| Task | Prin. | Prjt Mngr | Prjt Engr | Sr. Tech. | El | Clerical |
|--|---------|-----------|-----------|-----------|---------|-----------------|
| Field review -site conditions | | 8 | | | | 2 |
| Coordination with survey & geotech. | | | | | | |
| Horizontal & vertical layout of pier/piles Civil | | 4 | 4 | 6 | 6 | |
| Electrical Service point Coordination | | 6 | 4 | | | |
| Electrical Design & plans | 2 | 6 | 15 | 24 | 4 | |
| Plan view/sections/details - electrical | 2 | 6 | 8 | 8 | 4 | |
| Water & Sewer plans | 2 | 2 | 8 | 10 | | |
| Plan view/sections/details - water & sewer | 2 | 2 | 8 | 8 | | |
| Fire Protection Design plans | 2 | 2 | 12 | 10 | | |
| Plan view/sections/details - Fire Protection | 2 | 2 | 15 | 10 | | |
| Structural design of steel piles | 2 | 2 | 6 | 2 | 8 | |
| Plan view/sections/details - pier/piles | 2 | 2 | 6 | 6 | 8 | |
| Specifications | 2 | 6 | 12 | | | 12 |
| Cost Estimates | 2 | 6 | 6 | 4 | 8 | |
| | | | | | | |
| Sub-Total Hours | 20 | 54 | 104 | 88 | 38 | 14 |
| Billing Rate | 212 | 175 | 165 | 125 | 110 | 58 |
| Labor Cost | \$4,240 | \$9,450 | \$17,160 | \$11,000 | \$4,180 | \$812 |
| Labor Sub-Total | | | | | | \$46,842 |
| | | | | | | |
| Survey Sub-consultant (Fl. Keys Land Surveying) | | | | | | \$0 |
| Geotechnical Sub-consultant (Nutting) | | | | | | \$0 |
| Environmental Sub-consultant (Terramar) | | | | | | \$0 |
| Design Phase Sub-Total | | | | | | \$46,842 |

Bid Phase Services (Hourly not to Exceed):

| Task | Prin. | Prjt Mngr | Prjt Engr | Sr. Tech. | El | Clerical |
|--|-------|-----------|-----------|-----------|-------|-----------------|
| Prepare Bid package (front end & bid form) | | 12 | 12 | | | 5 |
| Attend Prebid meeting | | 8 | | | | |
| Answer bidder questions | | 8 | 6 | | | 2 |
| Prepare addendums | | 8 | | | 4 | 2 |
| Review of bids submitted | 1 | 2 | | | | |
| | | | | | | |
| Sub-Total Hours | 1 | 38 | 18 | 0 | 4 | 9 |
| Billing Rate | 212 | 175 | 165 | 125 | 110 | 58 |
| Labor Cost | \$212 | \$6,650 | \$2,970 | \$0 | \$440 | \$522 |
| Bid Phase Sub-Total | | | | | | \$10,794 |

Construction Phase Services (Hourly not ot Exceed):

| Task | Prin. | Prjt Mngr | Prjt Engr | Sr. Tech. | El | Clerical |
|--|---------|-----------|-----------|-----------|-----|-----------------|
| Attend Preconstruction meeting | | 8 | | | | |
| Attend via phone weekly meetings (If needed) | | 8 | | | | |
| Answer contractor RFIs | 2 | 10 | 10 | | | 4 |
| Review shop drawings / submittal register | 2 | 16 | 16 | | | |
| Final Inspection & certification | 4 | 8 | | | | 2 |
| Sub-Total Hours | 8 | 50 | 26 | 0 | 0 | 6 |
| Billing Rate | 212 | 175 | 165 | 125 | 110 | 58 |
| Labor Cost | \$1,696 | \$8,750 | \$4,290 | \$0 | \$0 | \$348 |
| Construction Phase Sub-Total | | | | | | \$15,084 |
| Environmental Sub-consultant (Terramar) | | | | | | \$7,500 |
| Construction Phase Total | | | | | | \$22,584 |

Reimbursables and Additional Service (Allowance) \$4,500

Grand Total \$84,720



Terramar Environmental Services, Inc.
1241 Crane Boulevard
Sugarloaf Key, Florida 33042
(305) 393-4200 terramar.env@gmail.com

June 20, 2019

Carlos M Herdocia, P.E.. LEED AP
Project Manager
Stantec
901 Ponce de Leon Blvd., Suite 900
Coral Gables, Florida 33134

Dear Mr. Herdocia:

Please accept this proposal for assistance in environmental compliance and construction inspection for the City of Key West, Trumbo Floating Pier Project. The proposed scope of services includes the following:

- Assist the City and Contractor in implementing the project in compliance with environmental permits.
- Conduct regular site inspections to verify that the project is being completed in compliance with environmental permits.
- Conduct regular site inspections to verify that the project is constructed to project design and specifications.
- Assist Stantec and the City with any construction related issues that may occur throughout the course of construction.
- Assist the City with close-out of environmental permits (FDEP & USACE). Complete required forms and submittals and verify close-out of permits.

The following budget was prepared based on our expectation of the amount of effort required to complete the project.

| Item | Activity | Unit Rate | Units | Total Cost |
|--------------------------------|-----------------------|-----------|-------|------------|
| Senior Environmental Scientist | See Scope of Services | \$125.00 | 60 | \$7,500.00 |
| TOTAL | | | 60 | \$7,500.00 |

Thank you for the opportunity to submit a proposal for this project, and we look forward to working with you on this project.

Sincerely,

Philip A. Frank

Philip A. Frank
Vice President