

EXHIBIT A – SCOPE OF SERVICES

1.0 SCOPE OF SERVICES PURPOSE

The Scope of Services describes the responsibilities of the VENDOR and the Florida Department of Transportation (FDOT or DEPARTMENT) for conducting the test pile program for evaluation by others for use of 30” square concrete piles for the forthcoming US-1 Bridge Replacement Project (FPID 428400-2).

The Vendor must currently be pre-qualified by the DEPARTMENT in accordance with Rule 14-22.003(3)(b), Florida Administrative Code in the following Work Class: Major Bridge.

The Scope of Services defines the test pile installation to be performed consistent with the objectives of the test pile program. The Scope of Services also outlines work activities that will be the responsibility of the VENDOR and / or the DEPARTMENT.

The DEPARTMENT will provide contract administration and management, as well as oversight of all work associated with the test pile installation performed under this Scope of Services.

2.0 PROJECT DESCRIPTION AND OBJECTIVES

The proposed project is located adjacent at the US-1 Jupiter Bridge (No. 930005) over the Loxahatchee River/Intracoastal Waterway. The bridge is scheduled to be replaced beginning in 2021. FDOT is conducting a test pile program to determine the feasibility of using 30 inch square prestressed concrete piles for the new bridge foundation. The test pile program includes installation of one 30 inch square prestressed concrete pile in the Loxahatchee River near at the northeast quadrant of the US-1 Jupiter Bridge. During installation of the test pile, dynamic pile testing will be conducted by the DEPARTMENT’S design consultant (CONSULTANT). Following completion of the test pile testing and final recordation of dynamic testing, the VENDOR will cut the installed test pile two feet below the river mudline and transport excess pile to appropriate location for disposal. Preforming for the test pile installation is required to -42 ft. Jetting or other pre-approved alternatives for preforming the test pile hole to -42 ft will be allowed. VENDOR will be responsible for installation of a turbidity barrier. Refer to attached Exhibit C, Plan Sheets for more information on location of test pile and anticipated pile driving requirements. The VENDOR will be responsible to receive the test pile from the fabricator’s yard located at 16505 SR 60, Vero Beach, Florida 32966 (CDS Manufacturing) and transport to the project site. Test pile driving activities are to take place during daytime hours from a barge. Staging from the adjacent US-1 Jupiter Bridge will not be permitted.

2.1 PROJECT OBJECTIVES

The PROJECT has the following project objectives:

Installation of one 30 inch square prestressed concrete pile as described in the attached Exhibit C, Plan Sheets for the purpose of dynamic pile testing and vibration testing of adjacent structures.

2.2 GOVERNING REGULATIONS

Services performed by the VENDOR must comply with the following Guidelines to perform work for this PROJECT:

- Florida Statutes
- Florida Administrative Codes
- Applicable Federal Regulations, U.S. Codes, and Technical Advisories
- United States Army Corps of Engineers (USACE) and South Florida Water Management District (SFWMD) permit documents incorporated by attachment and/or reference (will be provided by the Department)

- FDOT 2021 Standard Specifications for Road and Bridge Construction January 2021 located at <https://www.fdot.gov/programmanagement/implemented/specbooks/default.shtm>:
 - Division I:
 - Section 1 – Definitions of Terms (as applicable)
 - The term “Engineer” when used in the applicable Standard Specifications for Road and Bridge Construction January 2021 shall refer to the design consultant (CONSULTANT).
 - Section 7 – Legal Requirements and Responsibility to the Public (as applicable)
 - Division II: Sections 100, 101, 103, 104, 105, 107, and 455 (except for references to Section 108)

2.3 SCHEDULE AND ANTICIPATED PROJECT DURATION

Within three (3) calendar days of issuance of the Notice to Proceed (NTP), and prior to the VENDOR beginning work, the VENDOR shall submit a detailed Project activity / event schedule to the DEPARTMENT. The schedule must indicate critical path activities and key project milestones. The Only two open-ended activities (the first and the last) are allowed.

The VENDOR is required to notify the DEPARTMENT’S design consultant (CONSULTANT) within seven (7) calendar days prior to arriving at the project site.

The Vendor shall complete all services required in this contract within twenty-one (21) calendar days of issuance of the NTP. All test pile installation work is to take place during daytime hours

- Pick up test pile from fabricator
- Transport to site
- Set up template and stand up pile
- Performing hole for test pile to -42 ft
- There will be four PDA set checks as follows:
 - Initial pile driving;
 - 24 hour set check;
 - 48 hour set check; and
 - 72 hour set check
- Continue driving pile to approximately -100 ft or until directed by the DEPARTMENT or CONSULTANT (refer to attached Exhibit C, Plan Sheets)
- Cut-off pile 2 ft below mudline
- Transport and dispose of excess pile

2.4 COORDINATION WITH DEPARTMENT AND CONSULTANTS AND ENTITIES

The VENDOR will coordinate work activities with any ongoing and / or planned DEPARTMENT projects that may affect this Project. The VENDOR shall coordinate with the DEPARTMENT and CONSULTANT on picking up the test pile and marking of the existing utilities. DEPARTMENT will coordinate dynamic pile testing and vibration monitoring of adjacent structures. All activities shall be in compliance with Standard Conditions for In-Water Work, Sea Turtle, and Smalltooth Sawfish Construction Conditions.

This contract shall not include additional compensation for any delays. However, at the discretion of the DEPARTMENT, the VENDOR may be granted more time to complete services prior to incurring liquidated damages.

2.5 SERVICES TO BE PERFORMED BY THE DEPARTMENT AND/OR CONSULTANT

The DEPARTMENT and/or CONSULTANT will provide the following services and materials:

- Procurement of the test pile
- Application of required agency permits
- Posting of a protected species observer for manatee, smalltooth sawfish, and sea turtles
- Vibration monitoring
- Dynamic testing, pile inspection, documentation and reporting of the test pile results
- Turbidity Monitoring

3.0 LIQUIDATED DAMAGES

The Vendor acknowledges that failure to complete all services required by this contract within 21 calendar days of issuance of NTP may cause the Department to incur damages that, at present are, and upon the occurrence of the failure to timely complete the services may be, difficult to determine. Moreover, the Parties wish to avoid lengthy and expensive litigation relating to failure to complete the services on time. Therefore, in the event the Vendor fails to complete the authorized services by the completion date designated on the contract document, the Department shall exercise the remedy of liquidated damages against the Vendor, in the amount of \$1,690.00 per day for each calendar day after the designated completion date that the Vendor fails to complete the services. The Parties agree that if the Department allows the Vendor to continue and finish the services, or any part of it, after the expiration of the time allowed, that the Department's action shall in no way act as a waiver on the part of the Department of the liquidated damages due under this contract. Said Liquidated Damages shall be deducted from the Vendor's final invoice not as a penalty, but as liquidated damages.