

**MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
REQUEST FOR PROPOSALS**

**AMENDMENT NO. 1 TO
REQUEST FOR PROPOSALS FOR MARSH HABITAT MONITORING**

This Amendment No. 1 (this “Amendment No. 1”) hereby amends or modifies the Request for Proposals (“RFP”) for Marsh Habitat Monitoring, issued on Wednesday, February 17, 2016. This Amendment No. 1 is not included in the thirty (30) page limit of the RFP. This Amendment No. 1 to the RFP revises the following sections:

Section II. Scope of Work

Marsh restoration sites will occur in three (3) primary areas: St. Louis Bay; Back Bay of Biloxi; and the Pascagoula/Escatawpa estuary. Specific sites within these primary areas will be determined by a planning effort that is currently underway.

This project is estimated to construct three hundred (300) acres of marsh in the coastal zone of Mississippi. Two hundred (200) acres of marsh will be created at Round Island. The remaining one hundred (100) acres will be spread among sites in St Louis Bay, Back Bay Biloxi, and the Lower Pascagoula/Escatawpa estuary.

Monitoring will be applied to all marsh restoration sites for the Project and three (3) reference sites along the Mississippi Coast. The reference sites will occur in natural marsh systems, one identified in each of the three (3) coastal counties. Reference sites will be approximately 100 acres each in size.

The scope of the engagement may include, but is not limited to, the following tasks:

- (A) Prepare final detailed monitoring protocol plans and specifications with QA/QC measures.
- (B) Prior to and following construction at the marsh restoration sites, collect elevation data at both the restoration sites and reference sites using a Real Time Kinematic (RTK/RTN) Global Positioning System (GPS) along cross-sectional transects established at regularly spaced intervals spanning the entire Project site or collect LiDAR, coupled with elevation measurements collected with RTK-GPS or another equivalent method as appropriate. Use a consistent method prior to construction, and bi-annually, in six (6) month intervals, for the duration of the Contract period, including any extension thereof. Data should be acquired at low tide events.
- (C) Prior to and following construction at the marsh restoration sites, collect marsh spatial extent data at both the restoration sites and reference sites using aerial photography or other digital images (near-vertical, geo-referenced, true color and/or color-infrared), and determine marsh area using spatial analysis software or walking the perimeter of the marsh and taking continuous measurements using a differential/RTK/RTN GPS and analyzing data using

spatial analysis software or applying another equivalent method as appropriate. Use a consistent method prior to construction, and bi-annually, in six (6) month intervals, for the duration of the Contract period, including any extension thereof. Data should be acquired at low tide events.

- (D) Prior to and following construction at the marsh restoration sites, establish vegetation monitoring plots at both the restoration sites and reference sites every 25 m along 100 m transects and record plot locations with a GPS and/or marking the plots with corner poles to allow for revisiting overtime. Within the established plots, estimate percent cover of species or non-species (e.g. bare soil; water) to the closest 5%; the name of every species present; and the average height of the dominant three (3) species. Employ 100 m transects at stratified locations throughout the marsh restoration area for a maximum of 50 plots. Equivalent transects can be mapped and plots derived from satellite/aerial imagery. Use a consistent method prior to construction, and bi-annually, in six (6) month intervals, for the duration of the Contract period, including any extension thereof. Data should be acquired at low tide events.
- (E) Provide data in GIS compatible format within sixty (60) days of data collection on the respective sties during the period of performance;
- (F) Provide schedule, budget and Project updates monthly throughout the period of performance of the Contract;
- (G) Provide expert witness testimony related to the Project, if needed;
- (H) Provide services necessary for closeout and audit support, if needed;
- (I) Prepare a final report summarizing data collection results for each site; and
- (J) Perform other tasks identified by MDEQ related to the Project.

Section V(K). Minimum Requirements - Non-resident Contractor:

Non-resident Contractor: If an offeror is a non-resident contractor, offeror shall provide a copy of the offeror's current state bidder/offeror preference law pertaining to that state's treatment of non-resident contractors pursuant to Miss. Code Ann. § 31-7-47 or a statement on letterhead signed by an officer or manager of the offeror stating that no preference laws exist in that state. The state of residency of a contractor shall be the same as the corporate office reported by the offeror to the Mississippi Secretary of State. Any documentation submitted under this Section V(K) is not included in the thirty (30) page limit of the RFP.

[acknowledgment of Amendment No. 1 on the following page must be completed]

By signing this Amendment, Offeror acknowledges receipt of this Amendment No. 1 and that the provisions of said Amendment No. 1 have been noted and that its RFP is being offered in compliance therewith.

Offeror's Name: _____

Signature: _____

By (Print Name): _____

Title: _____

Date: _____