



Financial Management Department
Purchasing Division
1112 Manatee Ave W Suite 803
Bradenton, FL 34205
Phone: (941) 749-3074
www.mymanatee.org

August 27, 2014

To: All Interested Bidders

Subject: Invitation for Bids (IFB) #14-2565DS
Scour Remediation Project 10th Street Bridge over Snead Island Cutoff

Addendum #1

Bidders are hereby notified that this Addendum shall be acknowledged on the Bid Form and made a part of the above named bidding and contract documents. Bids submitted without acknowledgement of the Addendum will be considered incomplete.

The following items are issued to add to, modify, and clarify the bid and contract documents. These items shall have the same force and effect as the original bidding and contract documents and cost involved shall be included in the bid prices. Bids to be submitted on the specified bid date shall confirm to the additions and revisions listed herein.

1. The Engineer's construction estimate for this project is \$221,995.
2. Minimum Qualifications Of Bidders (IFB Article C.02, page C-1), Add the following:
 - a. Marine Contractor, having the stated qualifications, is an acceptable certification for this project.
 - b. Within the past five (5) years bidder shall have completed bridge scour countermeasure installation projects with a minimum value of \$200,000.
3. Is staging at boat ramp allowed?
Response: The boat ramp is privately owned, it is the responsibility of the contractor to contact the owner for access. The County will not specify the staging area for the contractor. Reference Section 0700 General Conditions, Article 5.2.
4. Is work allowed from the bridge?
Response: No. Reference Revised Plan Sheet 3, General Note 13.
5. Is a boat phasing plan required?
Response: Contractor must provide a successful Maintenance of Traffic Plan with as many phases as necessary to ensure boat traffic can move through the project area.

6. Is there a detail for cutting around piles?

Response:

- a. The block grout must not adhere to pile.
- b. For Articulating Block Mat, see section 1.4 and 2.4.1 of the TSP for Option A, Articulating Block Mat.
- c. For Articulating Concrete Block, please see Sections 1.4, 2.4, and 3.13 of the TSP for Option B, Articulating Concrete Block.
- d. Per Plan Sheet 6, the grout shall be a minimum of 6 inches thick. Note that this is intended to be a vertical dimension. The horizontal space to be grouted between the mat or block should be minimized to 6 inches. This may require field sewing of mats or use of partial (sawcut) blocks. If blocks are used, the remaining cable ends should extend into the grout seal as much as possible to improve seal connection to the blocks.

7. What is the video equipment?

Response: The video requirement is for a surface deployable camera for the inspector to review the work being performed underwater. Diver mounted camera equipment is acceptable. Reference IFB Special Conditions (page SP-8).

8. Is there specific turbidity monitoring requirements?

Response: Turbidity monitoring requirements are referenced on revised Plan Sheet 10, Item J. Water Quality Monitoring.

9. Location of the submerged fiber optics? Elevation of power lines?

Response: Contractor shall coordinate with the Utility owners for all pertinent information necessary to construct the project. Reference Plan Sheet 3 for contact information and IFB Utility Coordination (page SP-10).

Bids shall be received at Manatee County Purchasing, 1112 Manatee Avenue West, Suite 803, Bradenton, Florida 34205, until **September 8, 2014 at 3:00 P.M.**

Sincerely,


Melissa M. Wendel, CPPO
Purchasing Official

/dcr

Attachment: Revised Plan Sheet 3
Revised Plan Sheet 10

I. SITE DESCRIPTION

A. CONSTRUCTION ACTIVITY

PRIMARY CONSTRUCTION ACTIVITIES INCLUDE INSTALLATION OF SCOUR COUNTERMEASURES AT THREE PIERS.

PROJECT LIMITS:

THE PROJECT LIMITS INCLUDE BENTS 3-5 OF THE BRIDGE. APPROXIMATELY 30' WEST OF BENT 3 TO 30' EAST OF BENT 5. APPROXIMATELY 60' NORTH AND SOUTH OF EACH SIDE OF BRIDGE.

PROJECT DESCRIPTION:

THE PURPOSES OF THIS PROJECT IS TO MAINTAIN THE BRIDGE AND PROTECT IT AGAINST SCOUR.

B. MAJOR SOIL DISTURBING ACTIVITIES:

INSTALLATION OF SCOUR COUNTERMEASURES AND ABUTMENT RUBBLE RIPRAP ARE LIKELY TO DISTURB FINE BOTTOM SEDIMENTS.

C. TOTAL PROJECT AREA:

0.41 ACRES (INCLUDES LIMITS OF TURBIDITY BARRIER).

TOTAL AREA TO BE DISTURBED:

0.16 ACRES (INCLUDES SCOUR COUNTERMEASURE AND TOE IN AREA).

D. RUNOFF DATA

N/A

SOIL DATA

PREDOMINATELY LOOSE TO MEDIUM DENSE FINE SAND FOLLOWED BY A MEDIUM DENSE TO DENSE CALCAREOUS CLAYEY SAND LAYER.

E. DRAINAGE AREA

N/A

F. RECEIVING WATERS

SNEAD ISLAND CUTOFF/MANATEE RIVER/TERRA CEIA BAY.

G. WETLANDS AREAS

THERE ARE MANGROVES ADJACENT TO THE PROJECT LIMITS. THESE, OR SOILS WITHIN THE LIMITS OF THEIR CANOPY, SHALL NOT BE DISTURBED.

II. CONTROLS

A. SEQUENCE OF MAJOR ACTIVITIES

1. INSTALL AND TURBIDITY BARRIER AS SHOWN ON THE EROSION CONTROL PLAN AND CONSTRUCTION DRAWING PRIOR TO START OF CONSTRUCTION ACTIVITIES.
2. WHEN CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED, REMOVE EROSION PROTECTION DEVICES AND CONSTRUCTION ENTRANCE AS REQUIRED.

B. EROSION AND SEDIMENT (E & S) CONTROLS CONSTRUCTION ACTIVITIES

PRIOR TO THE PLACEMENT OF THE SCOUR COUNTERMEASURE, THE CONTRACTOR SHALL REVIEW THE SITE SPECIFIC EROSION CONTROL PLAN. THE CONTRACTOR SHALL PROVIDE FLOATING TURBIDITY BARRIERS SPECIFIED IN THE PLANS AND ACCORDING TO STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL (JUNE 2007). THE CONSTRUCTION AND PLACEMENT OF TURBIDITY BARRIER SHALL BE PHASED TO AVOID BLOCKING OF THE NAVIGATION CHANNEL. THE CONTRACTOR MAY ALSO BE REQUIRED TO MODIFY THE PLAN OR MATERIALS TO ADAPT TO SEASONAL VARIATIONS OR SITE CONDITIONS. CONTRACTOR WILL COMPLY WITH E&S PLAN. ANY MODIFICATIONS TO THIS PLAN MUST BE SIGNED BY A PROFESSIONAL ENGINEER REPRESENTING THE CONTRACTOR. CONTRACTOR SHALL REMOVE ALL SEDIMENT THAT HAS MIGRATED OFF-SITE. THE CONSTRUCTION ENGINEER IS RESPONSIBLE FOR DETERMINING IF ADDITIONAL CONTROLS ARE NEEDED AND DEPLOYMENT SCHEDULES FOR THE IMPLEMENTATION OF ALL EROSION CONTROL DEVICES.

C. STABILIZATION PRACTICES:

DURING CONSTRUCTION THE CONTRACTOR WILL PROVIDE STABILIZATION FOR AREAS WHICH HAVE BEEN CLEARED AND NOT REWORKED WITHIN FOURTEEN (14) CALENDAR DAYS. THE CONTRACTOR MAY UTILIZE TEMPORARY SEEDING OR TEMPORARY SODDING IN ACCORDANCE WITH SECTION 570 OF THE "FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" 2010.

- TEMPORARY SODDING OR SEEDING
- PERMANENT SODDING OR SEEDING
- BUFFER ZONES
- PRESERVATION OF NATURAL RESOURCES

D. STRUCTURAL PRACTICES:

- SAND BAGGING
- SILT FENCES
- HAY BALES
- BERMS
- DIVERSION, INTERCEPTOR, OR PERIMETER DITCHES
- PIPE SLOPE DRAINS
- FLUMES
- ROCK BEDDING AT CONSTRUCTION EXIT
- TIMBER BEDDING AT CONSTRUCTION EXIT
- DITCH LINER
- SEDIMENT TRAPS
- SEDIMENT BASINS
- STORM INLET SEDIMENT TRAP
- STONE OUTLET STRUCTURES
- CURBS AND GUTTERS
- STORM SEWERS
- VELOCITY CONTROL DEVICES
- TURBIDITY BARRIER
- RIP RAP (SCOUR COUNTERMEASURE)
- "GEO-HAY" OR EQUIVALENT SYNTHETIC INLET PROTECTION

E. DESCRIPTION OF STORM WATER MANAGEMENT:

NO STORM WATER MANAGEMENT FEATURES ARE INCLUDED.

F. WASTE DISPOSAL:

THE CONTRACTOR SHALL PROVIDE LITTER CONTROL AND COLLECTION WITHIN THE PROJECT BOUNDARIES DURING CONSTRUCTION ACTIVITIES. ANY CHEMICAL CONTAINERS SHALL BE DISPOSED OF BY THE CONTRACTOR ACCORDING TO EPA'S STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER. NO SOLID MATERIALS INCLUDING BUILDING AND CONSTRUCTION MATERIALS SHALL BE DISCHARGED TO WETLANDS OR BURIED ON SITE. ALL WASTE MATERIAL WILL BE COLLECTED AND STORED IN DUMPSTERS PER LOCAL SOLID WASTE REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE EMPTIED A MINIMUM OF TWICE A WEEK OR MORE OFTEN IF NECESSARY, AND THE TRASH WILL BE HAULED TO THE APPROPRIATE COUNTY FOR DUMPING.

THE CONTRACTOR SHALL PROVIDE A DEBRIS SURVEY TO MAP ALL DEBRIS IN THE VICINITY OF THE SCOUR PROTECTION AREA THAT WILL AFFECT CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT THE DEBRIS SURVEY WITH A DEBRIS REMOVAL PLAN TO THE ENGINEER FOR APPROVAL BEFORE CONSTRUCTION BEGINS. REMOVE ALL DEBRIS (IF ENCOUNTERED) IN THE DEBRIS SURVEY FROM THE BOTTOM OF THE WATER BODY WITHIN THE LIMITS OF THE SCOUR COUNTERMEASURE INSTALLATION AND AS DIRECTED BY THE ENGINEER. THE DEBRIS SHALL BE DISPOSED OF OFF SITE IN AREAS PROVIDED BY THE CONTRACTOR IN A MANNER SATISFACTORY TO THE ENGINEER. DEBRIS THAT MAY REQUIRE REMOVAL INCLUDE BUT ARE NOT LIMITED TO BURIED OR PARTIALLY BURIED CRAB TRAPS, METAL, PILING, CONCRETE, SIGNS, SIGN POSTS, PILE JACKETS, TREES AND OTHER MISCELLANEOUS DEBRIS. THE CONTRACTOR SHALL CERTIFY THAT ALL AREAS HAVE BEEN CLEARED OF DEBRIS BEFORE BEGINNING CONSTRUCTION OF THE SCOUR PROTECTION, AS APPROVED BY THE ENGINEER. THE CERTIFICATION SHALL BE IN A NOTARIZED LETTER ON THE CONTRACTOR'S LETTERHEAD. THE COST OF DEBRIS SURVEY SHALL BE INCLUDED IN THE BID PRICE FOR MOBILIZATION.

G. OFFSITE VEHICLE TRACKING:

IF CONTRACTORS ACTIVITIES ARE PRONE TO SEDIMENT TRACKING, OR IF REQUIRED BY PERMITTING AGENCIES, STABILIZED CONSTRUCTION ENTRANCES SHALL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. THE PAVED STREETS WILL BE CLEANED AS DIRECTED BY THE CONSTRUCTION INSPECTOR AND ENGINEER TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM OR TO THE SITE WILL BE COVERED WITH A TARPULIN AT ALL TIMES.

H. SANITARY WASTE:

THE CONTRACTOR WILL PROVIDE APPROPRIATE PORTABLE SANITARY DEVICES. THE CONTRACTOR SHALL REMOVE SANITARY WASTE IN ACCORDANCE WITH "FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 2010" SECTION 7-6, AND STATE AND LOCAL REGULATIONS.

I. HAZARDOUS WASTE:

ALL HAZARDOUS WASTE MATERIALS, IF ENCOUNTERED, WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATIONS. THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THESE PRACTICES ARE FOLLOWED.

J. WATER QUALITY MONITORING (MIXING ZONES):

WATER QUALITY MONITORING SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE PERMITS.

THE STATE WATER QUALITY STANDARD FOR CONSTRUCTION ACTIVITIES PROHIBIT A TURBIDITY INCREASE OF GREATER THAN 29 NTU'S ABOVE AMBIENT CONDITIONS AT THE COMPLIANCE LOCATION OF THE MIXING ZONES. TO MAINTAIN THIS STANDARD TURBIDITY MONITORING SHALL OCCUR DURING ALL IN-WATER CONSTRUCTION ACTIVITIES.

DOUBLE ROWS OF TURBIDITY CURTAINS WILL BE INSTALLED AROUND THE POINT OF THE TURBIDITY GENERATION AND WILL DEFINE THE EDGE OF THE MIXING ZONE. THE MIXING ZONE WILL BE CONFINED TO A SPECIFIC WORK AREA AND WILL MOVE ALONG THE LENGTH OF THE BRIDGE WITH THE PROGRESS OF THE CONSTRUCTION. THIS WILL REDUCE THE AREA NEEDED FOR A MIXING ZONE AND REDUCE THE POTENTIAL FOR IMPACTS TO WILDLIFE SUCH AS THE MANATEE. IN NO CASE WILL THE MIXING ZONE EXCEED A 500 FEET RADIUS AROUND THE WORK ZONE.

TURBIDITY MONITORING AND REPORTING WILL BE CONDUCTED IN ACCORDANCE WITH THE FOLLOWING PROCEDURES:

FREQUENCY: EVERY FOUR HOURS DURING CONSTRUCTION

SAMPLING DEPTHS: ALL STATIONS SHALL BE SAMPLED AT 2 FEET ABOVE THE BOTTOM, MID-DEPTH AND AT THE SURFACE OR AS DIRECTED BY PERMITTING AGENCIES. IF WATER LESS THAN 3 FEET DEEP, ONLY MID DEPTH SAMPLES ARE REQUIRED.

BACKGROUND SAMPLING LOCATION: APPROXIMATELY 100 FEET UP-CURRENT OF THE EDGE OF THE MIXING ZONE.

COMPLIANCE SAMPLING LOCATION: IMMEDIATELY DOWN-CURRENT OF THE EDGE OF THE MIXING ZONE WITHIN ANY VISIBLE PLUME OR AS DIRECTED BY PERMITTING AGENCIES.

METHOD: ALL SAMPLES SHALL BE COLLECTED WITH A KEMMERER, VAN DORN, OR SIMILAR SAMPLER WHICH IS DESIGNED TO COLLECT IN SITU WATER SAMPLES.

REPORTING: ALL MONITORING DATA SHALL BE SUBMITTED WITHIN ONE WEEK OF ANALYSIS WITH DOCUMENTS CONTAINING THE FOLLOWING INFORMATION:

1. PERMIT NUMBER
2. DATES OF SAMPLING AND ANALYSIS
3. LOCATION OF SAMPLE (I.E., STATION AND WATER COLUMN LOCATION)
4. A STATEMENT DESCRIBING THE METHODS USED IN COLLECTION, HANDLING, STORAGE, AND ANALYSIS OF THE SAMPLES
5. A MAP INDICATING THE SAMPLING LOCATIONS
6. A STATEMENT BY THE INDIVIDUAL RESPONSIBLE FOR IMPLEMENTATION OF THE SAMPLING PROGRAM CONCERNING THE AUTHENTICITY, PRECISION, LIMITS OF DETECTION AND ACCURACY OF DATA.

MONITORING REPORTS SHALL INCLUDE INFORMATION ON THE GENERAL ANTECEDENT WEATHER CONDITIONS.

IF MONITORING REVEALS VIOLATIONS OF THE STATE WATER QUALITY STANDARD FOR TURBIDITY, CONSTRUCTION ACTIVITIES SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL CORRECTIVE MEASURES HAVE BEEN TAKEN AND TURBIDITY HAS RETURNED TO ACCEPTABLE LEVELS. ANY SUCH OCCURRENCE SHALL ALSO BE IMMEDIATELY REPORTED TO THE REGULATORY AGENCIES.

IN THE EVENT THAT STATE WATER QUALITY STANDARDS ARE EXCEEDED, THE CONTRACTOR SHALL IMPLEMENT A CONTINGENCY PLAN WHICH COMPLIES WITH THE PROJECT FDEP ERP AND NPDES REQUIREMENTS AT NO ADDITIONAL COST.

NO.	DESCRIPTION	BY	DATE
1	REVISED NOTE	JRB	8-27-14

MANATEE COUNTY

SCOUR REMEDIATION PROJECT



JAMES R. BERNARD, P.E. DATE
LIC. NO.: 55499

DESIGNED	JRB
DRAWN	JGH
Q.C.	
APPROVED	

STORM WATER POLLUTION PREVENTION PLAN (1)

PROJECT NO:	00193008.22
DATE:	6-30-2014
SHEET NO:	10