



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

GENERAL NOTES

1. PROJECT LOCATION:
BRIDGE NUMBER 130007, LOCATED IN MANATEE COUNTY, CARRIES 10TH STREET WEST OVER SNEAD ISLAND CUTOFF SEPARATING THE MANATEE RIVER TO THE SOUTH AND TERRA CEIA BAY TO THE NORTH.
 2. THE CONTRACTOR SHALL FIELD VERIFY ANY AND ALL EXISTING CONDITIONS PRIOR TO COMMENCING CONSTRUCTION, AND SHALL NOTIFY THE ENGINEER PROMPTLY OF ANY DISCREPANCIES.
 3. THE CONSTRUCTION LENGTHS INDICATED IN THESE PLANS ARE APPROXIMATE. ACTUAL LIMITS MAY BE SET IN THE FIELD AS DIRECTED BY THE ENGINEER.
 4. LOCATIONS, ELEVATIONS AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME THESE DRAWINGS WERE PREPARED, BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT SIZE, LOCATION, DEPTH, HEIGHT, ELEVATION, DIMENSION, AND EXTENT OF ALL UNDERGROUND AND OVERHEAD FACILITIES AND OTHER FEATURES AFFECTING HIS WORK PRIOR TO PROCEEDING WITH ANY CONSTRUCTION ACTIVITY THAT MAY AFFECT SUCH FACILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED BY FAILURE TO COMPLY WITH THESE INSTRUCTIONS.
 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE COORDINATION OF CONSTRUCTION SCHEDULING BETWEEN THE CONTRACTOR AND ALL UTILITY AGENCIES.
- NOTE: THIS INCLUDES MEETING WITH UTILITY AGENCIES PRIOR TO THE PRE- CONSTRUCTION CONFERENCE TO ADJUST THEIR SCHEDULES TO COINCIDE WITH THE CONTRACTORS CONSTRUCTION SCHEDULE.
6. EXCEPT WHERE THE PLANS AND SPECIFICATIONS PROVIDE THAT SUCH WORK SHALL BE PERFORMED UNDER THE CONTRACT FOR THIS PROJECT, ALL UTILITIES INTERFERING WITH CONSTRUCTION SHALL BE REMOVED, RELOCATED OR ADJUSTED BY THEIR OWNERS, AT THEIR EXPENSE. THE CONTRACTOR SHALL ARRANGE HIS SCHEDULE TO ALLOW UTILITY OWNERS TIME FOR THE NECESSARY RELOCATION AND ADJUSTMENT OF UTILITIES AND RELATED STRUCTURES. THE FOLLOWING UTILITIES MAY HAVE LINES AND FACILITIES WITHIN THE PROJECT AREA.
- | | |
|---------------------------------|--------------------------------------|
| 1) BRIGHTHOUSE NETWORKS MANATEE | 941.345.1348 EXT 21348 (TOM WRIGHT) |
| 2) CITY OF PALMETTO | 941.723.4580 EXT 2110 (ALLEN TUSING) |
| 3) FLORIDA POWER & LIGHT | 800.868.9554 (TRACY STERN) |
| 4) VERIZON OF FLORIDA INC. | 813.627.8343 (DAVID WYNNIS) |
7. ABOVE GROUND AND/OR UNDERGROUND UTILITIES MAY BE IN THE AREA OF THIS PROJECT - PROCEED WITH CAUTION - THE CONTRACTOR SHALL CALL SUNSHINE STATE ONE CALL (1-800-432-4770) AND THE UTILITY OWNERS IN ADVANCE OF BEGINNING WORK, IN ACCORDANCE WITH CHAPTER 556, FLORIDA STATUTES, UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY. ALL UTILITY OWNERS MAY NOT BE A MEMBER, REQUIRING DIRECT CONTACT. THE CONTRACTOR SHALL FURTHER COORDINATE WITH UTILITY OWNERS TO RESOLVE CONFLICTS THAT MAY ARISE IN THE FIELD DURING CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY UTILITIES DAMAGED AS A RESULT OF THE CONTRACTOR'S FAILURE TO CALL "SUNSHINE STATE ONE CALL" AND THE UTILITY OWNERS.
 8. SEPARATE PAYMENT SHALL BE MADE ONLY FOR THE ITEMS OF WORK LISTED AND IDENTIFIED BY APPROPRIATE PAY ITEM ON THE BID FORM. THE COST OF ANY RELATED WORK NOT SPECIFICALLY IDENTIFIED, BUT WHICH IS REQUIRED FOR SATISFACTORY COMPLETION OF THE WORK, SHALL BE CONSIDERED TO BE INCLUDED IN THE CONTRACT PRICE FOR THE APPROPRIATE BID ITEM.
 9. PAY ITEM 101-1 INCLUDES PAYMENT TO FURNISH, OPERATE AND MAINTAIN BOATS FOR THE ENGINEER AND COUNTY REPRESENTATIVES.
 10. PAY ITEM 104-11 INCLUDES PAYMENT FOR PLACING AND RELOCATING TURBIDITY BARRIER, AS WELL AS, ALL EROSION CONTROL.
 11. THE CONTRACTOR SHALL CONTACT THE UNITED STATES COAST GUARD, TAMPA OFFICE AT (813) 228-2189 AND REQUEST A NOTICE TO MARINERS BE PUBLISHED PRIOR TO PLACEMENT OF FLOATING EQUIPMENT IN THE CHANNEL. CLOSING OF THE MAIN CHANNEL SHALL NOT BE PERMITTED UNLESS APPROVAL IS GIVEN BY THE UNITED STATES COAST GUARD AND THE ENGINEER.

12. PRE-CONSTRUCTION PRECAUTIONS TO PREVENT DAMAGE TO THE BRIDGE. EQUIPMENT OR MATERIALS SHALL NOT BE TIED TO, OR PLACED UPON ANY PART OF THE EXISTING BRIDGE WITHOUT PRIOR APPROVAL OF THE ENGINEER.
13. LANE CLOSURES OR OTHER IMPACTS TO PEDESTRIAN OR VEHICULAR TRAFFIC ACTIVITY ARE NOT PERMITTED.
14. DUE TO PROTECTED WETLANDS AND MINIMAL COUNTY RIGHT OF WAY AT BRIDGE LOCATION, CONSTRUCTION ACCESS IS LIMITED. DELIVERY OF MATERIAL AND EQUIPMENT TO THIS LOCATION WILL REQUIRE THE USE OF WATER BORNE CRAFT AND AN OFF-SITE STAGING AREA PROVIDED BY THE CONTRACTOR. NO WORK OR ACCESS SHALL BE ALLOWED FROM THE ROADWAY OR BRIDGE. NO ADDITIONAL COMPENSATION WILL BE PAID FOR SPECIAL DELIVERY REQUIREMENTS OR THE OFF-SITE STAGING AREA.
15. THE CONTRACTOR SHALL COMPLY WITH COAST GUARD REGULATIONS TO PROTECT AND MAINTAIN ALL BOAT TRAFFIC. CONTRACTOR SHALL INITIALLY NOTIFY PROPERTY OWNERS AND MARINA USERS LOCATED ALONG SNEAD ISLAND CUTOFF 14 DAYS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL ALSO NOTIFY OWNERS REGARDING ACTIVITIES THAT MAY AFFECT BOAT ACCESS AT LEAST 24 HOURS PRIOR TO ONSET OF ACTIVITY. A SCHEDULE OF ACTIVITIES SHALL BE INCLUDED WITH NOTIFICATION.
16. ALL MATERIALS NOT CLAIMED BY THE COUNTY SHALL BECOME PROPERTY OF THE CONTRACTOR, AND SHALL BE DISPOSED OF BY THE CONTRACTOR IN AREAS PROVIDED BY THE CONTRACTOR. THIS WORK SHALL BE INCLUDED IN AND PAID FOR UNDER PAY ITEM 530-78.
17. UNSUITABLE MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OFF SITE, AT A SUITABLE SITE PROVIDED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL PERMITS AND PERMITTING FEES REQUIRED FOR THE TRANSPORT AND DISPOSAL OF UNSUITABLE MATERIAL.
18. OVERALL CLEAN-UP SHALL BE ACCOMPLISHED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER. ANY AND ALL EXPENSES INCURRED FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR MOBILIZATION.
19. THE CONTRACTOR SHALL ENDEAVOR TO PROTECT PRIVATE PROPERTY. ANY PRIVATELY OWNED FEATURES LOCATED ON PRIVATE PROPERTY AND OUTSIDE THE DESIGNATED AREA OF CONSTRUCTION WHICH ARE DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE REPAIRED IN A TIMELY MANNER AT THE EXPENSE OF THE CONTRACTOR. PAYMENT SHALL NOT BE MADE FOR THIS WORK.
20. BANKS SHALL BE PROTECTED FROM EROSION OR COLLAPSE DURING CONSTRUCTION. ALL BANKS AND WATERWAYS SHALL BE RESTORED TO THEIR PRE-CONSTRUCTION CONFIGURATION AND PROTECTED FROM EROSION.
21. ANY DAMAGE TO STATE, COUNTY, OR LOCAL ROADS CAUSED BY THE CONTRACTOR'S HAULING OR EXCAVATION EQUIPMENT SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER. PAYMENT SHALL NOT BE MADE FOR THIS WORK.
22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE STAKE-OUT OF THE PROJECT, I.E., LINE, GRADE, SLOPE, UTILITY RELOCATIONS OR ANY OTHER STAKE-OUT THAT MAY BE REQUIRED TO COMPLETE THE PROJECT IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. ANY AND ALL EXPENSES INCURRED FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR OTHER ITEMS. NO ADDITIONAL PAYMENT SHALL BE MADE FOR THIS WORK.
23. THE CONTRACTOR SHALL HAVE A FOREMAN, OR RESPONSIBLE PARTY, ON SITE AT ALL TIMES WHEN WORK IS BEING PERFORMED. ALL WORKERS ON THE JOB SITE WILL BE COURTEOUS TO THE PUBLIC AT ALL TIMES, AND SHALL REFER ANY QUESTIONS OR CONCERNS TO THE CONTRACTOR'S FOREMAN OR THE COUNTY INSPECTOR. THE FOREMAN SHALL SPEAK AND UNDERSTAND ENGLISH AND SHALL BE AVAILABLE AT ALL TIMES FOR TIMELY RESOLUTION OF PROJECT-RELATED ISSUES.

24. ANY U.S.C. AND G.S. MONUMENT WITHIN LIMITS OF CONSTRUCTION TO BE CONSTRUCTED: IF IN DANGER OF DAMAGE, THE CONTRACTOR SHOULD NOTIFY:

DIRECTOR, CHARTING AND GEODETIC SERVICES
6001 EXECUTIVE BLVD
ATTN C172
ROCKVILLE, MARYLAND 20852
PHONE: (301) 443-8319
25. AT LEAST 21 DAYS PRIOR TO THE COMMENCEMENT OF ANY DEWATERING ACTIVITY, THE CONTRACTOR SHALL SUBMIT A DEWATERING PLAN TO THE ENGINEER AND TO THE SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT. THE DEWATERING PLAN SHALL INCLUDE DESCRIPTIONS AND GRAPHICS AS NEED TO IDENTIFY THE LOCATION OF THE DEWATERING SITES AND THE SEDIMENT SUMP, EXPECTED DURATION OF THE DEWATERING PERIOD, METHODS TO RETAIN OR DETAIN DISCHARGE, METHODS OF ISOLATING THE DEWATERING AREAS, FLOW PATH AND POINTS OF DISCHARGE OF THE WATER. THIS PLAN SHALL INCLUDE DESIGN COMPUTATIONS, LAYOUT, TYPE, AND SPACING OF DEWATERING DEVICES, NUMBER AND SIZE OF PUMPS AND OTHER EQUIPMENT, WITH A DESCRIPTION OF THE INSTALLATION AND OPERATING PROCEDURES. WELLPOINT PUMP DISCHARGE SHALL BE CONTROLLED TO PREVENT EROSION, UNDERMINING, AND ALL OTHER DAMAGE, AND BE PIPED TO APPROVED LOCATIONS.
26. THE CONTRACTOR SHALL CONTACT ROBERT BROWN AT THE COUNTY'S NATURAL RESOURCES DIVISION AT (941) 742-5980, EXT. 1870 PRIOR TO ANY WORK THAT MAY IMPACT WETLANDS OR SURFACE WATERS OUTSIDE THE LIMITS OF CONSTRUCTION SHOWN BY THE PLANS.
27. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH ALL PROJECT RELATED PERMITS. REFER TO STORM WATER POLLUTION PREVENTION PLAN SHEETS AND CONTRACT DOCUMENTS FOR MORE DETAILS.
28. RECORD DRAWINGS SHALL BE PREPARED BY THE CONTRACTOR. PAYMENT FOR RECORD DRAWINGS WILL BE INCLUDED IN PAY ITEM 101-1, MOBILIZATION.
29. SURVEY PREPARED BY:

HYATT SURVEY SERVICES
11007 8TH AVENUE EAST
BRADENTON, FL 34212
PHONE #: (941) 748-4693
LICENSED BUSINESS NO. 7203

SIGNED AND SEALED BY RUSSELL P. HYATT, P.S.M. NO. 55303
30. DESCRIPTION OF SURVEY: TOPOGRAPHIC/BATHYMETRIC SURVEY OF THE CHANNEL LYING BENEATH THE SNEAD ISLAND BRIDGE (10TH STREET WEST) LOCATED IN PALMETTO, FL. ALL SURVEY DATA WAS COLLECTED IN ACCORDANCE WITH THE TECHNICAL REQUIREMENTS AS PROVIDED BY THE GOVERNMENT OF MANATEE COUNTY. THE FIELDWORK FOR THIS SURVEY WAS CONDUCTED FROM JUNE 11 THROUGH JUNE 14, 2010. THE DATA WAS ANALYZED AND PROCESSED ON JUNE 16, 2010
31. THE SCOPE OF WORK FOR THE SURVEY REQUIRED THAT THE HORIZONTAL DATUM BE THE NORTH AMERICAN DATUM (NAD) OF 1983/1990 OR 2007 ADJUSTMENT, STATE PLANE COORDINATES, FLORIDA WEST ZONE. THE VERTICAL DATUM REQUIRED IS THE NATIONAL GEODETIC VERTICAL DATUM (NGVD) OF 1929.

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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 PREFORMED 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.

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

MANATEE COUNTY

SCOUR REMEDIATION
PROJECT



380 Park Place Blvd., Suite 300, Clearwater, Florida, 33759
www.cardnotbe.com - 727.531.3505
Certificate of Authorization No. 3843

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