OPERATION, MAINTENANCE, AND REHABILITATION PLAN

LITTLE LAKE SHORELINE PROTECTION / DEDICATED DREDGING PROJECT

BA-37

NOVEMBER 2009
OPERATION, MAINTENANCE, AND REHABILITATION PLAN

LITTLE LAKE SHORELINE PROTECTION / DEDICATED DREDGING PROJECT
BA-37

November 2009

Prepared by:
State of Louisiana
Office of Coastal Protection and Restoration
# Table of Contents

History of Revisions  iii
Section 1.  Project Location, Description, Purpose  1
Section 2.  Construction Completion  2
Section 3.  Project Permits  2
Section 4.  Items Requiring Operation, Maintenance, and Rehabilitation  2
Section 5.  Operation and Maintenance Budget  4
Section 6.  Operation of Structures  4
Section 7.  Responsibilities – Maintenance and Rehabilitation  4
Signature Sheet  6

Attachment I.  Cooperative Agreement
Attachment II.  Grant (O&M)
Attachment III.  Project Features
Attachment IV.  Project Completion Report
Attachment V.  As-built Drawings
Attachment VI.  Project Permits & Permit Amendments
Attachment VII.  Operation, Maintenance, and Rehabilitation Budget
Attachment VIII.  Operation of Structures
Attachment IX.  Annual Inspections
History of Revisions
OPERATION, MAINTENANCE, AND REHABILITATION PLAN

LITTLE LAKE SHORELINE PROTECTION / DEDICATED DREDGING PROJECT

(BA-37)

The Louisiana Department of Natural Resources (LDNR) and the United States Department of Commerce / National Oceanic and Atmospheric Administration (NOAA) / National Marine Fisheries Service (NMFS) agree to carry out the terms of this Operation, Maintenance, Repair, and Rehabilitation Plan (hereinafter referred to as the “Plan”) of the accepted, completed project features in accordance with the U.S. Department of Commerce NOAA Cooperative Agreement (Financial Assistance Award) No. NA17FZ2533 with LDNR awarded August 6, 2002 with amendments effective July 1, 2004 and February 1, 2005 (Attachment I). A cost sharing agreement in the form of a grant between LDNR and NOAA specifies the arrangement between the parties to execute and fund long-term project activities, i.e. operations and maintenance and monitoring (Attachment II).

Construction of the Little Lake Shoreline Protection / Dedicated Dredging Project (BA-37) is authorized by Section 303(a) of Title III Public Law 101-646, the Coastal Wetlands Planning, Protection, and Restoration Act (CWPPRA) enacted on November 29, 1990 as amended. All above referenced grants and agreements between the LDNR and NOAA are in accordance with section 303 (f) of the CWPPRA, as amended. The Little Lake Shoreline Protection / Dedicated Dredging Project (BA-37) was approved on the eleventh (11th) Priority Project List.

The project features covered by this plan are inclusive of and are identified as the Little Lake Shoreline Protection / Dedicated Dredging Project (BA-37). The intention of the provisions of this Plan is to maintain this project in a condition that will generally provide the anticipated benefits upon which the project was based. There are no requirements that this project function to any standard beyond the economic life, except that it is not left as a hazard to navigation or a detriment to the environment.

The property associated with the Little Lake Shoreline Protection / Dedicated Dredging Project (BA-37) is owned by Clovelly Lands, a subsidiary of General Agricultural Services, Ltd.

1. PROJECT LOCATION, DESCRIPTION, AND PURPOSE

The Little Lake Shoreline Protection / Dedicated Dredging Project (BA-37) is located within the central portion of the Barataria hydrologic basin in Lafourche Parish, Louisiana along the southwest shoreline of Little Lake. The project area is generally bounded by the East and West Forks of Bayou L’Ours and the southern shoreline of Little Lake from Plum Point westward to Breton Canal.

The project consisted of constructing 25,976 feet of shoreline protection rock dike in open water along the Little Lake shoreline and using dredged material from Little Lake to create/nourish 920 acres of marsh along the Little Lake shoreline.
The project area is characterized by open water areas and fragmented intermediate marsh with a high rate of marsh loss due to shoreline erosion, subsidence, and channel construction. The purpose of the project is to reduce erosion along the Little Lake shoreline, create new marsh in the open water areas, and maintain and nourish the existing, deteriorated marsh.

The project has a twenty (20) year economic life, which began on March 30, 2007 (Final Acceptance). The principal project features include:

- 25,976 linear feet of rock dike shoreline protection
- 920 acres marsh creation/nourishment

2. CONSTRUCTION COMPLETION

The Little Lake Shoreline Protection / Dedicated Dredging Project (BA-37) completion report is included in Attachment IV of this Plan. Within this completion report is a summary of information and significant events including: project personnel, final as-built project features and benefited acres, construction cost and CWPPRA project estimates, construction oversight cost, construction activities and change orders, pipeline and utility crossing owner information, and other significant milestone dates and comments.

The project “As-Built” construction drawings updated with all field changes and modifications that occurred during construction are included in Attachment V.

3. PROJECT PERMITS

Project permit applications were completed and submitted to appropriate agencies, and permits were received prior to construction. These permits and permit amendments are included in Attachment VI.

4. ITEMS REQUIRING OPERATION, MAINTENANCE, AND REHABILITATION

The following completed, structural components jointly accepted by LDNR and NMFS will require operation, maintenance, repair, and/or rehabilitation throughout the twenty (20) year life of the project.

SHORELINE PROTECTION

Rock Dike
A rock dike was constructed along the shoreline of Little Lake consisting of 24 segments with fish dips (access) between each segment. The total length of the shoreline protection dike is 25,976 linear feet (Sta. 10+00 to Sta. 26+976). The first two lifts of dike consisted of 145,528 tons of LADOTD Class 250-lbs rock constructed to an elevation of +2.5 feet NAVD88 with a 3.5-ft crest width and 4 to 1 front slope and 2 to 1 back slope on a geotextile fabric base. A third lift consisting of 29,762 tons of USACE...
Class R650 rock was placed on segments 10 through 24. Segments 6 and 7 and a portion of Segment 4 were also capped. The section used for the third lift varied as follows.

- Segments 10 – 20: Elev +3.5 feet NAVD88, 2-ft crest width, 2 to 1 slopes
- Segments 21 – 22: Elev +4.0 feet NAVD88, 2-ft crest width, 2 to 1 slopes
- Segments 23 – 24: Elev +4.0 feet NAVD88, 3.5-ft crest width, 4 to 1 front, 2 to 1 back slope

For actual constructed elevations and sections, see the As-Built drawings.

**Fish Dips**
Between each segment an opening was left for fish access. It should be noted that the fish dip between Segments 18 and 19 was not constructed in order to prevent erosion of the marsh creation containment located immediately behind it. At the fish dips, a 2-ft thick layer of rock was placed flush with the existing bottom.

**Warning Signs**
Warning signs were installed lake-side of each fish dip. The warning signs consist of a 4-ft square aluminum sign bolted to a 40-ft treated timber pile with galvanized bolts. Top of pile was set at Elev +12.0 feet NAVD88. Two warning signs were also installed at the west end of Segment 1, one lake-side and one protected side. A total of 25 permanent warning signs were installed.

**Settlement Plates**
A settlement plate was installed in each dike segment (24) and consisted of a galvanized, 3-inch diameter, Schedule 40, steel pipe welded to a 4-ft square galvanized steel base plate. For station, coordinates, and elevation of each settlement plate see the As-Built drawings.

**Access & Flotation Channels**
One access channel was dredged to provide access from the lake to the shoreline, and flotation channels were required along the entire length of the rock dike to accommodate equipment and barges. The 8,295-ft long access channel was excavated to a bottom elevation of Elev -5.0 feet NAVD88 with a bottom width of 60 feet and was backfilled after completion of work. The flotation channels were also excavated to Elev -5.0 feet NAVD88 with a bottom width of approximately 80 feet. The dredged material was placed either as permanent marsh fill or backfilled after completion. In the event a maintenance lift of rock is required, access and flotation channels would have to be re-dredged to provide access.

**MARSH CREATION**

**Fill Area**
Material was hydraulically dredged from the bottom of Little Lake and pumped to the project fill area to create/nourish 920 acres of marsh. See As-Built drawings for location of fill area and borrow area. Target elevation for the fill material was +2.1 feet (± 0.3
feet) NAVD88 at 28 days. For actual fill area elevations including pre-construction, initial placement, as-built, and 9 month post-construction fill elevations see the As-Built drawings. Currently, no funds have been provided in the O&M Budget for nourishment of the marsh creation area. Fill area surveys have been included in the O&M Budget.

**Borrow Area**

While the borrow area will not be inspected, the following information is included for completeness. The proposed borrow area comprised approximately 1,300 acres located in south Little Lake just north of the project fill area. The lake bottom elevation within the borrow area was approximately Elev -5.0 to -6.0 feet NAVD88. The proposed cut depth was to Elev -15.0 feet NAVD88. An area of approximately 290 acres within the proposed borrow area was dredged. For actual post-dredging contours see the As-Built drawings. Approximately 3.8 million cubic yards of material were dredged from the borrow area based on pre and post dredging surveys.

5. **OPERATION AND MAINTENANCE BUDGET**

The cost associated with the Operations, Maintenance, and Rehabilitation of the features outlined in Section 4 of this plan for the twenty (20) year project life is included and summarized in Attachment VII.

6. **OPERATION OF STRUCTURES**

No operation is required for this project. (Attachment VIII intentionally blank)

7. **RESPONSIBILITIES – MAINTENANCE AND REHABILITATION**

A. **LDNR will:**

1. In accordance with the Grant Application No. XXXX outlined in Attachment II, assume all responsibilities for maintenance and rehabilitation of the accepted, completed project features identified in Section 4.

2. Conduct joint site inspections with NMFS of the project site at least annually and after major storm events if determined to be necessary by LDNR and NMFS. LDNR will submit to NMFS, a report detailing the condition of the project features and recommendations for any corrective action. If LDNR recommends that corrective actions are needed, the report will include the entire estimated cost for engineering and design, supervision and inspection, construction, contingencies, and the urgency of such action. Annual inspection reports may be compiled under attachment IX - Annual Inspections.

3. Perform or have performed any corrective actions needed, if such corrective actions have been approved by LDNR, NMFS, and the
CWPPRA Task Force. NMFS will participate with LDNR, or its appointed representative, in the engineering and design phases of the corrective actions for the project. Oversight of engineering and construction of the corrective actions for the project will be the responsibility of LDNR or its appointed representative. At least thirty (30) calendar days prior to the date of formal request for construction bids, LDNR or its appointed representative shall provide NMFS with final copies of all project corrective action designs and specifications for review and concurrence by NMFS. LDNR or its appointed representative shall approve the final designs and specifications prior to proceeding with bid solicitations on all project corrective action construction contracts in coordination with NMFS. Any plan and/or specification change both before and after award of construction contracts shall be approved by LDNR in coordination with NMFS.

4. NMFS and LDNR representatives shall meet as necessary during the period of construction for corrective actions and shall make such recommendations as they deem necessary.

5. Provide the non-Federal contribution towards operation and maintenance activities as specified in the Cooperative Agreement between LDNR and NMFS.

B. NMFS will:

1. Conduct joint site inspections with LDNR of the project site at least annually and after major storm events if determined to be necessary by LDNR and NMFS.

2. Request funding and authorization from the CWPPRA Task Force for any corrective actions that are deemed necessary by LDNR and NMFS.

3. Provide guidance for the development of plans and implementation of the project, review final copies of any maintenance and rehabilitation project designs and specifications, and provide review and approval of all planning and construction details prior to formal request for construction bids or any corrective actions for the project.

4. Provide the Federal contribution towards operations and maintenance activities as specified in the Cooperative Agreement between LDNR and NMFS.
The undersigned parties, acting on behalf of their respective agencies, agree to operate, maintain, and rehabilitate the Little Lake Shoreline Protection / Dedicated Dredging Project (BA-37) according to this document, referenced Cooperative Agreement, plans, and all applicable permits and laws.

UNITED STATES DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL MARINE FISHERIES SERVICE

By: [Signature] Date: 8/14/08
Title: CWPRA Program Manager

LOUISIANA DEPARTMENT OF NATURAL RESOURCES

By: [Signature] Date: 10/27/08
Title: AED DIRECTOR
ATTACHMENT I

LITTLE LAKE SHORELINE PROTECTION / DEDICATED DREDGE PROJECT
(BA-37)

COOPERATIVE AGREEMENT
January 12, 2005

Emmanuel E. Atsalinos, Grants Officer
U.S. Department of Commerce, NOAA
Grants Management Division
1325 East-West Highway
SSMC2 - OFA621 - Room 9344
Silver Spring, Maryland 20910-3283

RE: NOAA Award No. NA17FZ2533
Amendment No. 2
"Little Lake Shoreline Protection and Dedicated Dredging near Round Lake Project (GP-37)"

Dear Mr. Atsalinos:

Enclosed is one signed original of the above referenced grant amendment as requested in your letter dated December 22, 2004.

We appreciate the assistance of the Grants Management Division in obtaining approval of this amendment.

If you should have any questions or need additional information, please contact Julia Raiford at 225-342-4566.

To avoid delays in processing time, please return correspondence and documents to the attention of Karen Y. Lewis.

Sincerely,

Karen Y. Lewis
Contracts & Grants Administrator

cc: Greg Grandy, CRD
Mary White, CRD
Marjorie McClinton, Fiscal Officer

CONTRACTS AND GRANTS DIVISION
P. O. BOX 94396 • BATON ROUGE, LA 70804-9396 • 617 N. THIRD STREET • 12TH FLOOR • BATON ROUGE, LA 70802
PHONE (225) 342-4513 • FAX (225) 342-8700 • WEB http://www.dnr.state.la.us
AMENDMENT TO
FINANCIAL ASSISTANCE AWARD

RECIPIENT NAME
Louisiana Dept. of Natural Resources

STREET ADDRESS
Po Box 94396

CITY, STATE, ZIP CODE
Baton Rouge, LA 70804

CFDA NO. AND PROJECT TITLE
11.463 CWPPR Act (PL 101-646) Little Lake Shoreline Protection and Dedicated Dredging Near Round Lake Project (BA-37)

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<th>COSTS ARE REVISED AS FOLLOWS:</th>
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<th>DEDUCT</th>
<th>TOTAL ESTIMATED COST</th>
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<td>$2,501,465</td>
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<td>$32,868,938</td>
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RE: N(S) FOR AMENDMENT
1. To provide additional funding for the project entitled, "Coastal Wetlands Planning, Protection, and Restoration Act (PL 101-646) Little Lake Shoreline Protection and Dedicated Dredging Near Round Lake Project (BA-37)", per the recipient's application 11/03/04, and email dated 11/24/04, which are incorporated by reference.

2. Note that with the execution of this amendment, the interim SF-269's are no longer required. The final SF-269 is required within 90 days of the grant expiration.

This Amendment approved by the Grants Officer is issued in triplicate and constitutes an obligation of federal funding. By signing the three documents, the Recipient agrees to comply with the Amendment provisions checked below and attached, as well as previous provisions incorporated into the Award. Upon acceptance by the Recipient, two signed Amendment documents shall be returned to the Grants Officer and the third document shall be retained by the Recipient. If not signed and returned without modification by the Recipient within 30 days of receipt, the Grants Officer may unilaterally terminate this Amendment.

☐ Special Award Conditions (Attachment B)
☐ Line Item Budget (Attachment A)
☐ Other(s)

SIGNATURE OF DEPARTMENT OF COMMERCE GRANTS OFFICER

DATE: DEC 22 2004

TYPED NAME, TYPED TITLE, AND SIGNATURE OF AUTHORIZED RECIPIENT OFFICIAL

DATE: 1/11/05
BUDGET INFORMATION — Construction Programs

NOTE: Certain Federal Assistance programs require additional computations to arrive at the Federal share of project costs eligible for participation. If such is the case you will be notified.

<table>
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<tr>
<th>COST CLASSIFICATION</th>
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<th>b. Costs not Allowable for Participation</th>
<th>c. Total Allowable Costs (Column a-b)</th>
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<tr>
<td>2. Land, structures, right-of-ways, appraisals, etc.</td>
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<td>$0.00</td>
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<td>3. Relocation expenses and payments</td>
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<td>4. Architectural and engineering fees</td>
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<td>5. Other architectural and engineering fees</td>
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<tr>
<td>6. Project inspection fees (Supervision &amp; Inspection)</td>
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<td>7. Site work</td>
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<td>8. Demolition and removal</td>
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<td>9. Construction</td>
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<td>10. Equipment</td>
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<td>11. Miscellaneous</td>
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<td>13. Contingencies (sum of lines 1 - 11)</td>
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<td>14. SUBTOTAL</td>
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<td>$0.00</td>
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<td>15. Project (program) income</td>
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<td>16. TOTAL PROJECT COSTS (subtract #15 from #14)</td>
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FEDERAL FUNDING

17. Federal assistance requested, calculate as follows: Enter eligible costs from line 16c Multiply X 85.00%  

| STATE | $375,220 |
| FEDERAL | $2,126,245 |

(Consult Federal agency for Federal percentage share). Enter the resulting Federal share.
NOAA ADMINISTRATIVE
SPECIAL AWARD CONDITIONS

(Rcvice) 3. Since this award requires the Recipient to provide $5,080,581 (15%) in project-related matching costs from non-Federal sources, the Recipient must maintain in its official accounting records an accounting for $32,866,938.
Mr. James R. Hanchey  
Deputy Secretary  
Louisiana Dept. of Natural Resources  
Po Box 94396  
Baton Rouge LA 70804  

Reference: NOAA Award No. NA17FZ2533  
Amendment No. 2  
Federal Share $2,126,245  

Dear Mr. Hanchey:

Enclosed for your review and approval are two originals of the above referenced NOAA award. If you concur, please sign each of the originals and return the one original marked “Grants Copy” to the address above within 30 days of receipt.

Copies of the applicable OMB Circulars and Department of Commerce regulations, which have been incorporated into this award by reference, are available from the NOAA website at http://www.ofa.noaa.gov/ - grants/. NOAA contact information.

NOAA Grants Specialist: janet.a.johnson@noaa.gov at 301-713-0923 ext 173  
Federal Program Officer: erik.zobrist@noaa.gov at 301-713-0174 ext 199

If you have any grants management questions concerning this award, please contact the NOAA Grants Management Specialist, and for technical questions, please contact the Federal Program Officer as listed above.

Sincerely,

Emmanuel E. Atsalinos  
Grants Officer

Enclosures  
CC: ERIK ZOBRI ST, F/HC3
September 22, 2004

Emmanuel E. Atsalinos, Grants Officer
U.S. Department of Commerce, NOAA
Grants Management Division
1325 East-West Highway
SSMC2 - OFA 621 - Room 9344
Silver Spring, Maryland 20910-3283

RE: NOAA Award No. NA17FZ2533
    Amendment No. 1
    "Little Lake CWPPRA Project-Shoreline Protection and Dedicated Dredging Near Round Lake Project (BA-37)"

Dear Mr. Atsalinos:

Enclosed is one signed original of the above referenced grant amendment as requested in your letter dated September 8, 2004.

We appreciate the assistance of the Grants Management Division in obtaining approval of this amendment.

If you should have any questions or need additional information, please contact Julia Raiford at 225-342-4566.

To avoid delays in processing time, please return correspondence and documents to the attention of Karen Y. Lewis.

Sincerely,

Julia Raiford for
Karen Y. Lewis
Contracts & Grants Administrator

cc: Greg Grandy, CED
    Mary White, CRD
    Marjorie McClinton, Fiscal Officer
AMENDMENT TO
FINANCIAL ASSISTANCE AWARD

RECIPIENT NAME
Louisiana Dept. of Natural Resources

STREET ADDRESS
Po Box 94396

CITY, STATE, ZIP CODE
Baton Rouge, LA 70804

CFDA NO. AND PROJECT TITLE
11.463 Little Lake CWPPRA Project - Shoreline Protection and Dedicated Dredging Near Round Lake Project (BA-37)

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REASON(S) FOR AMENDMENT
1. To provide additional funding for the project entitled, "Little Lake CWPPRA Act (PL 101-646) - Shoreline Protection and Dedicated Dredging Near Round Lake Project (BA-37)", per the recipient's application 04/21/04 and email dated 07/12/04, which are incorporated by reference.
2. To revise NOAA Administrative Special and Standard Award Conditions.

This Amendment approved by the Grants Officer is issued in triplicate and constitutes an obligation of federal funding. By signing the three documents, the Recipient agrees to comply with the Amendment provisions checked below and attached, as well as previous provisions incorporated into the Award. Upon acceptance by the Recipient, two signed Amendment documents shall be returned to the Grants Officer and the third document shall be retained by the Recipient. If not signed and returned without modification by the Recipient within 30 days of receipt, the Grants Officer may unilaterally terminate this Amendment.

☐ Special Award Conditions (Attachment B)
☐ Line Item Budget (Attachment A)
☐ Other(s)

SIGNATURE OF DEPARTMENT OF COMMERCE GRANTS OFFICER

DATE SEP - 8 2004

TYPE NAME, TITLE, AND SIGNATURE OF AUTHORIZED RECIPIENT OFFICIAL

SCOTT A. ANGELLE  SECRETARY, LDNR

DATE 9-22-2004
# DEPARTMENT OF COMMERCE

**FINANCIAL ASSISTANCE STANDARD TERMS AND CONDITIONS**

<table>
<thead>
<tr>
<th>Section</th>
<th>Topic</th>
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<tbody>
<tr>
<td>PREFACE</td>
<td>..................................................................................................</td>
<td>1</td>
</tr>
<tr>
<td>A.</td>
<td><strong>FINANCIAL REQUIREMENTS</strong></td>
<td>1</td>
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<tr>
<td></td>
<td>.01 Financial Reports</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>.02 Award Payments</td>
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<tr>
<td></td>
<td>.03 Federal and Non-Federal Sharing</td>
<td>2</td>
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<tr>
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<td>.04 Budget Changes and Transfer of Funds Among Categories</td>
<td>2</td>
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<tr>
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<td>.05 Indirect Costs</td>
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<td>.06 Incurring Costs or Obligating Federal Funds Beyond the Expiration Date</td>
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<td>.01 Performance (Technical) Reports</td>
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<td>.03 Programmatic Changes</td>
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<td>.04 Other Federal Awards with Similar Programmatic Activities</td>
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<td>.05 Non-Compliance with Award Provisions</td>
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<td>.06 Prohibition Against Assignment by Recipient</td>
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<td>.07 Disclaimer Provisions</td>
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<td>C.</td>
<td><strong>NON-DISCRIMINATION REQUIREMENTS</strong></td>
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<td>D.</td>
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<td>.02 Audit Resolution Process</td>
<td>8</td>
</tr>
<tr>
<td>E.</td>
<td><strong>DEBTS</strong></td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>.01 Payment of Debts Owed the Federal Government</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>.02 Late Payment Charges</td>
<td>10</td>
</tr>
<tr>
<td>F.</td>
<td><strong>NAME CHECK</strong></td>
<td>10</td>
</tr>
</tbody>
</table>
THE RECEIPT AND ANY SUBRECIPIENTS MUST, IN ADDITION TO THE ASSURANCES MADE AS PART OF THE APPLICATION, COMPLY AND REQUIRE EACH OF ITS CONTRACTORS AND SUBCONTRACTORS EMPLOYED IN THE COMPLETION OF THE PROJECT TO COMPLY WITH ALL APPLICABLE STATUTES, REGULATIONS, EXECUTIVE ORDERS (EOs), OFFICE OF MANAGEMENT AND BUDGET (OMB) CIRCULARS, TERMS AND CONDITIONS, AND APPROVED APPLICATIONS.

THIS AWARD IS SUBJECT TO THE LAWS AND REGULATIONS OF THE UNITED STATES. ANY INCONSISTENCY OR CONFLICT IN TERMS AND CONDITIONS SPECIFIED IN THE AWARD WILL BE RESOLVED ACCORDING TO THE FOLLOWING ORDER OF PRECEDENCE: PUBLIC LAWS, REGULATIONS, APPLICABLE NOTICES PUBLISHED IN THE FEDERAL REGISTER, EOs, OMB CIRCULARS, DEPARTMENT OF COMMERCE (DoC) FINANCIAL ASSISTANCE STANDARD TERMS AND CONDITIONS, AGENCY STANDARD AWARD CONDITIONS (IF ANY), AND SPECIAL AWARD CONDITIONS. SPECIAL AWARD CONDITIONS MAY TAKE PRECEDENCE OVER DoC STANDARD TERMS AND CONDITIONS, ON A CASE-BY-CASE BASIS, WHEN ALLOWED BY THE DoC STANDARD TERM AND CONDITION.

SOME OF THE DoC TERMS AND CONDITIONS HEREIN CONTAIN, BY REFERENCE OR SUBSTANCE, A SUMMARY OF THE PERTINENT STATUTES, OR REGULATIONS PUBLISHED IN THE FEDERAL REGISTER OR CODE OF FEDERAL REGULATIONS (CFR), EOs, OMB CIRCULARS OR THE ASSURANCES (FORMS SF-424B, 424D). TO THE EXTENT THAT IT IS A SUMMARY, SUCH PROVISION IS NOT IN DEROGATION OF, OR AN AMENDMENT TO, ANY SUCH STATUTE, REGULATION, EO, OR OMB CIRCULAR.

A. FINANCIAL REQUIREMENTS

.01 Financial Reports

   a. The recipient shall submit a "Financial Status Report" (SF-269) on a semi-annual basis for the periods ending March 31 and September 30, or any portion thereof, unless otherwise specified in a special award condition. Reports are due no later than 30 days following the end of each reporting period. A final SF-269 shall be submitted within 90 days after the expiration date of the award.

   b. Unless otherwise authorized by a special award condition, all financial reports shall be submitted in triplicate (one original and two copies) to the Grants Officer.

.02 Award Payments

   a. The advance method of payment shall be authorized unless otherwise specified in a special award condition. The Grants Officer determines the appropriate method of payment. Payments will be made through electronic funds transfers directly to the recipient’s bank account and in accordance with the requirements of the Debt Collection Improvement Act of 1996. The DoC Award Number must be included on all payment-related correspondence, information, and forms.

   b. When the "Request for Advance or Reimbursement" (SF-270) is used to request...
transfer request. This is the accumulated amount of Federal funding obligated to
date by the Grants Officer along with any non-Federal share. The same criteria
applies to the cumulative amount of transfer of funds among projects, functions,
joint ventures, consortia, activities, and annual costs when budgeted separately
within an award. Transfers will not be permitted if such transfers would cause any
Federal appropriation, or part thereof, to be used for purposes other than those
intended. This transfer authority does not authorize the recipient to create new
budget categories within an approved budget unless the Grants Officer has
provided prior approval.

c. The recipient is not authorized at any time to transfer amounts budgeted for direct
costs to the indirect costs line item or vice versa, without written prior approval of
the Grants Officer.

.05 Indirect Costs

a. Indirect costs will not be allowable charges against the award unless specifically
included as a line item in the approved budget incorporated into the award. (The
term “indirect cost” has been replaced with the term “facilities and administrative
costs” under OMB Circular A-21, “Cost Principles for Educational Institutions.”)

b. Excess indirect costs may not be used to offset unallowable direct costs.

c. If the recipient has not previously established an indirect cost rate with a Federal
agency, the negotiation and approval of a rate is subject to the procedures in the
applicable cost principles and the following subparagraphs:

1. For those organizations for which DoC is cognizant or has oversight, DoC or
its designee either will negotiate a fixed rate for the recipient or, in some
instances, will limit its review to evaluating the procedures described in the
recipient's cost allocation methodology plan. Indirect cost rates and cost
allocation methodology reviews are subject to future audits to determine actual
indirect costs. Within 90 days of the award start date, the recipient shall
submit to the address listed below documentation (indirect cost proposal, cost
allocation plan, etc.) necessary to perform the review. The recipient shall
provide the Grants Officer with a copy of the transmittal letter.

   Office of Executive Assistance Management
   Department of Commerce
   14th Street and Constitution Avenue, N.W., Room H-6022
   Washington, DC 20230

2. When an oversight or cognizant Federal agency other than DoC has
responsibility for establishing an indirect cost rate, the recipient shall submit to
that oversight or cognizant Federal agency within 90 days of the award start date
the documentation (indirect cost proposal, cost allocation plan, etc.) necessary
to establish such rates. The recipient shall provide the Grants Officer with a
copy of the transmittal letter to the cognizant Federal agency.
portions of FICA/FUTA taxes determined to belong to the Federal Government, including refunds received after the award end date.

B. PROGRAMMATIC REQUIREMENTS

.01 Performance (Technical) Reports

a. The recipient shall submit performance (technical) reports in triplicate (one original and two copies) to the Federal Program Officer in the same frequency as the Financial Status Report (SF-269) unless otherwise authorized by the Grants Officer.

b. Unless otherwise specified in the award provisions, performance (technical) reports shall contain brief information as prescribed in the applicable uniform administrative requirements incorporated into the award.

.02 Unsatisfactory Performance

Failure to perform the work in accordance with the terms of the award and maintain at least a satisfactory performance rating or equivalent evaluation may result in designation of the recipient as high risk and assignment of special award conditions or other further action as specified in the standard term and condition entitled "Non-Compliance With Award Provisions."

.03 Programmatic Changes

a. The recipient shall not make any programmatic changes to the award without prior written approval by the Grants Officer.

b. Any requests by the recipient for programmatic changes must be submitted to the Grants Officer who shall make the final determination and notify the recipient in writing.

.04 Other Federal Awards with Similar Programmatic Activities

The recipient shall immediately provide written notification to the Federal Program Officer and the Grants Officer in the event that, subsequent to receipt of the DoC award, other financial assistance is received to support or fund any portion of the scope of work incorporated into the DoC award. DoC will not pay for costs that are funded by other sources.
c. Section 504 of the Rehabilitation Act of 1973, as amended (29 USC § 794) and DoC implementing regulations published at 15 CFR Part 8b prohibiting discrimination on the basis of handicap under any program or activity receiving or benefiting from Federal assistance;

d. The Age Discrimination Act of 1975, as amended (42 USC §§ 6101 et seq.) and DoC implementing regulations published at 15 CFR Part 20 prohibiting discrimination on the basis of age in programs or activities receiving Federal financial assistance;

e. The Americans with Disabilities Act of 1990 (42 USC §§ 12101 et seq.) prohibiting discrimination on the basis of disability under programs, activities, and services provided or made available by state and local governments or instrumentalities or agencies thereto, as well as public or private entities that provide public transportation;

f. Any other applicable non-discrimination law(s).

.02 Other Provisions

Parts II and III of EO 11246 (30 FR 12319, 1965) as amended by EO 11375 (32 FR 14303, 1967) and 12086 (43 FR 46501, 1978) require Federally assisted construction contracts to include the nondiscrimination provisions of §§ 202 and 203 of that EO and Department of Labor regulations implementing EO 11246 (41 CFR § 60-1.4(b), 1991).

D. AUDITS

Under the Inspector General Act of 1978, as amended, 5 USC App. 3, § 1 et seq., an audit of the award may be conducted at any time. The Inspector General of the DoC, or any of his or her duly authorized representatives, shall have access to any pertinent books, documents, papers and records of the recipient, whether written, printed, recorded, produced or reproduced by any electronic, mechanical, magnetic or other process or medium, in order to make audits, inspections, excerpts, transcripts or other examinations as authorized by law. When the OIG requires a program audit on a DoC award, the OIG will usually make the arrangements to audit the award, whether the audit is performed by OIG personnel, an independent accountant under contract with DoC, or any other Federal, state or local audit entity.
1. Unless the Inspector General determines otherwise, the recipient has 30 days from the date of the transmittal of the draft audit report to submit written comments and documentary evidence.

2. The recipient has 30 days from the date of the transmittal of the final audit report to submit written comments and documentary evidence. There will be no extension of this deadline.

3. The DoC shall review the documentary evidence submitted by the recipient and shall notify the recipient of the results in an Audit Resolution Determination Letter. The recipient has 30 days from the date of receipt of the Audit Resolution Determination Letter to submit a written appeal. There will be no extension of this deadline. The appeal is the last opportunity for the recipient to submit written comments and documentary evidence that dispute the validity of the audit resolution determination. In addition, an appeal does not preclude the recipient's obligation to pay a debt that may be established, nor does the appeal preclude the accrual of interest on a debt.

4. The DoC shall review the recipient's appeal and notify the recipient of the results in an Appeal Determination Letter. After the opportunity to appeal has expired or after the appeal determination has been rendered, DoC will not accept any further documentary evidence from the recipient. No other administrative appeals are available in DoC.

5. An appeal of the Audit Resolution Determination does not prevent the establishment of the audit-related debt nor does it prevent the accrual of interest on the debt. If the Audit Resolution Determination is overruled or modified on appeal, appropriate corrective action will be taken retroactively. An appeal will stay the offset of funds owed by the auditee against funds due to the auditee.

E. DEBTS

.01 Payment of Debts Owed the Federal Government

Any debts determined to be owed the Federal Government shall be paid promptly by the recipient. In accordance with 15 CFR § 21.4, a debt will be considered delinquent if it is not paid within 15 days of the due date, or if there is no due date, within 30 days of the billing date. Failure to pay a debt by the due date, or if there is no due date, within 30 days of the billing date, shall result in the imposition of late payment charges as noted below. In addition, failure to pay the debt or establish a repayment agreement by the due date, or if there is no due date, within 30 days of the billing date, will also result in the referral of the debt for collection action and may result in DoC taking further action as specified in the standard term and condition entitled "Non-Compliance With Award Provisions." Funds for payment of a debt must not come from other Federally sponsored programs. Verification that other Federal funds have not been used will be made, e.g., during on-site visits and audits.
of and/or implementation of the award; and/or

c. Make appropriate provisions or revisions with respect to the method of payment
and/or financial reporting requirements.

G. GOVERNMENTWIDE DEBARMENT AND SUSPENSION (NONPROCUREMENT)

The recipient shall comply with the provisions of EO 12549, "Debarment and Suspension"
and DoC's implementing regulations published at 15 CFR Part 26, Subpart A through E,
"Governmentwide Debarment and Suspension (Nonprocurement)," which generally
prohibit entities that have been debarred, suspended, or voluntarily excluded from
participating in Federal nonprocurement transactions either through primary or lower tier
covered transactions.

H. DRUG-FREE WORKPLACE

The recipient shall comply with the provisions of Public Law 100-690, Title V, Subtitle D,
"Drug-Free Workplace Act of 1988," and DoC implementing regulations published at 15
CFR Part 26, Subpart F, "Governmentwide Requirements for Drug-Free Workplace
(Grants)," which require that the recipient take steps to provide a drug-free workplace.

I. LOBBYING RESTRICTIONS

.01 Statutory Provisions

The recipient shall comply with the provisions of Section 319 of Public Law 101-121, which added Section 1352 to Chapter 13 of Title 31 of the United States Code,
and DoC implementing regulations published at 15 CFR Part 28, "New Restrictions
on Lobbying." These provisions generally prohibit the use of Federal funds for
lobbying the Executive or Legislative Branches of the Federal government in
connection with the award, and require the disclosure of the use of non-Federal funds
for lobbying.

.02 Disclosure of Lobbying Activities

The recipient receiving in excess of $100,000 in Federal funding shall submit a
completed Form SF-LLL, "Disclosure of Lobbying Activities," regarding the use of
non-Federal funds for lobbying. The Form SF-LLL shall be submitted within 30
days following the end of the calendar quarter in which there occurs any event that
requires disclosure or that materially affects the accuracy of the information
contained in any disclosure form previously filed. The recipient must submit the
Forms SF-LLL, including those received from subrecipients, contractors, and
subcontractors, to the Grants Officer.

J. CODES OF CONDUCT AND SUBAWARD, CONTRACT, AND SUBCONTRACT
PROVISIONS

.01 Code of Conduct for Recipients
a. The recipient shall include the following notice in each request for applications or bids:

Applicants/bidders for a lower tier covered transaction (except for goods and services under the $100,000 simplified acquisition threshold and where the lower tier recipient will have no critical influence on or substantive control over the award) are subject to 15 CFR Part 26, Subparts A through E, "Governmentwide Debarment and Suspension (Nonprocurement). In addition, applicants/bidders for a lower tier covered transaction for a subaward, contract, or subcontract greater than $100,000 of Federal funds at any tier are subject to 15 CFR Part 28, "New Restrictions on Lobbying." Applicants/bidders should familiarize themselves with these provisions, including the certification requirements. Therefore, applications for a lower tier covered transaction must include a Form CD-512, "Certifications Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Covered Transactions and Lobbying," completed without modification.

b. The recipient shall include a statement in all lower tier covered transactions (subawards, contracts, and subcontracts), that the award is subject to EO 12549, "Debarment and Suspension" and DoC implementing regulations published at 15 CFR Part 26, Subparts A through E, "Governmentwide Debarment and Suspension (Nonprocurement)."

c. The recipient shall include a statement in all lower tier covered transactions (subawards, contracts, and subcontracts) exceeding $100,000 in Federal funds, that the subaward, contract, or subcontract is subject to Section 319 of Public Law 101-121, which added Section 1352, regarding lobbying restrictions, to Chapter 13 of Title 31 of the United States Code as implemented at 15 CFR Part 28, "New Restrictions on Lobbying." The recipient shall further require the subrecipient, contractor, or subcontractor to submit a completed "Disclosure of Lobbying Activities" (Form SF-LLL) regarding the use of non-Federal funds for lobbying. The Form SF-LLL shall be submitted within 15 days following the end of the calendar quarter in which there occurs any event that requires disclosure or that materially affects the accuracy of the information contained in any disclosure form previously filed. The Form SF-LLL shall be submitted from tier to tier until received by the recipient. The recipient must submit all disclosure forms received, including those that report lobbying activity on its own behalf, to the Grants Officer within 30 days following the end of the calendar quarter.

.05 Minority Owned Business Enterprise

DoC encourages recipients to utilize minority and women-owned firms and enterprises in contracts under financial assistance awards. The Minority Business Development Agency will assist recipients in matching qualified minority owned enterprises with contract opportunities. For further information contact:
d. Copeland “Anti-Kickback” Act (18 U.S.C. § 874 and 40 U.S.C. § 276c), prohibits a person or organization engaged in a Federally supported project from enticing an employee working on the project from giving up a part of his compensation under an employment contract.

.02 Foreign Travel

a. The recipient shall comply with the provisions of the Fly America Act (49 USC § 40118). The implementing regulations of the Fly America Act are found at 41 CFR §§ 301-10.131 through 301-10.143.

b. The Fly America Act requires that Federal travelers and others performing U.S. Government-financed foreign air travel must use U.S. flag air carriers, to the extent that service by such carriers is available. Foreign air carriers may be used only in specific instances, such as when a U.S. flag air carrier is unavailable, or use of U.S. flag air carrier service will not accomplish the agency's mission.

c. Use of foreign air carriers may also be used only if bilateral agreements permit such travel pursuant to 49 USC § 40118(b). DoC is not aware of any bilateral agreements which meet these requirements. Therefore, it is the responsibility of the recipient to provide the Grants Officer with a copy of the applicable bilateral agreement if use of a foreign carrier under a bilateral agreement is anticipated.

d. If a foreign air carrier is anticipated to be used for any part of foreign travel, the recipient must receive prior approval from the Grants Officer. When requesting such approval, the recipient must provide a justification in accordance with guidance provided by 41 CFR § 301-10.142, which requires the recipient to provide the Grants Officer with the following: name; dates of travel; origin and destination of travel; detailed itinerary of travel, name of the air carrier and flight number for each leg of the trip; and a statement explaining why the recipient meets one of the exceptions to the regulations. If the use of a foreign air carrier is pursuant to a bilateral agreement, the recipient must provide the Grants Officer with a copy of the agreement. The Grants Officer shall make the final determination and notify the recipient in writing. Failure to adhere to the provisions of the Fly America Act will result in the recipient not being reimbursed for any transportation costs for which the recipient improperly used a foreign air carrier.

.03 American-Made Equipment and Products.

Recipients are hereby notified that they are encouraged, to the greatest extent practicable, to purchase American-made equipment and products with funding provided under this award.

.04 Intellectual Property Rights

a. Inventions.
Counsel (HCHB Room 4613, Washington, DC 20230, telephone: 202-482-8097) and the appropriate DoC program office.

(b) Electing. Within two years of reporting the invention to DoC, the recipient will notify DoC Patent Counsel of its decision whether or not it wishes to own the invention.

(c) Filing. Within one year of notifying DoC that it wishes to own the invention, the recipient will file a patent application (either a provisional or non-provisional) and promptly send a copy of the application to DoC Patent Counsel. Any foreign or international application must usually be filed within 10 months of the first filed application in the United States. The recipient will ensure that any U.S. application contains the required statement of Government support. The recipient will also promptly send the required confirmatory Government license to DoC Patent Counsel who shall record that license in the Patent and Trademark Office. If the recipient decides to discontinue the prosecution of any patent application or not pay a maintenance fee or defend a reexamination, it shall notify DoC Patent Counsel of that fact in sufficient time (but not less than 30 days) for the Government to respond to any outstanding requirement or letter from a patent office. However, if the recipient is filing a continuing application, it needs only to notify DoC Patent Counsel of this and provide a copy of the continuing application with the appropriate confirmatory license. Upon issuance of any application, the recipient will promptly provide a copy of the patent to DoC Patent Counsel.

(d) The recipient should send any request for an extension of time to DoC Patent Counsel in advance of the expiration of the time period.


Pursuant to EO 12889, DoC is required to notify the owner of any valid patent covering technology whenever the DoC or its financial assistance recipients, without making a patent search, knows (or has demonstrable reasonable grounds to know) that technology covered by a valid United States patent has been or will be used without a license from the owner. To ensure proper notification, if the recipient uses or has used patented technology under this award without a license or permission from the owner, the recipient must notify the DoC Patent Counsel at the following address, with a copy to the Grants Officer:

Department of Commerce  
Office of Chief Counsel for Technology, Patent Counsel  
14th Street and Constitution Avenue, N.W. Room H-4613  
Washington, D.C. 20230

c. Data, Databases, and Software.
d. DoC regulations, 15 CFR Part 27, require that recipients maintain appropriate policies and procedures for the protection of human subjects. In the event it becomes evident that human subjects may be involved in this project, the recipient shall submit appropriate documentation to the Federal Program Officer for approval by the appropriate DoC officials. This documentation may include:

1. Documentation establishing approval of the project by an institutional review board (IRB) approved for Federal-wide use under Department of Health and Human Services guidelines, see 15 CFR § 27.103;

2. Documentation to support an exemption for the project under 15 CFR § 27.101(b);

3. Documentation to support deferral for an exemption or IRB review under 15 CFR § 27.118;

4. Documentation of IRB approval of any modification to a prior approved protocol or to an informed consent form.

e. No work involving human subjects may be undertaken, conducted, or costs incurred and/or charged for human subjects research, until the appropriate documentation is approved in writing by the Grants Officer. Notwithstanding this prohibition, work may be initiated or costs incurred and/or charged to the project for protocol or instrument development related to human subjects research.

.07 Federal Employee Expenses.

Federal agencies are generally barred from accepting funds from a recipient to pay transportation, travel, or other expenses for any Federal employee unless specifically approved in the terms of the award. Use of award funds (Federal or non-Federal) or the recipient’s provision of in-kind goods or services, for the purposes of transportation, travel, or any other expenses for any Federal employee may raise appropriation augmentation issues. In addition, DoC policy prohibits the acceptance of gifts, including travel payments for Federal employees, from recipients or applicants regardless of the source.


Pursuant to EO 13202, “Preservation of Open Competition and Government Neutrality Towards Government Contractors' Labor Relations on Federal and Federally Funded Construction Projects,” unless the project is exempted under section 5(c) of the order, bid specifications, project agreements, or other controlling documents for construction contracts awarded by recipients of grants or cooperative agreements, or those of any construction manager acting on their behalf, shall not:

a) include any requirement or prohibition on bidders, offerors, contractors, or
## BUDGET INFORMATION

### Construction Programs

**NOTE:** Certain Federal Assistance programs require additional computations to arrive at the Federal share of project costs eligible for participation. If such is the case you will be notified.

<table>
<thead>
<tr>
<th>COST CLASSIFICATION</th>
<th>a. Total Cost</th>
<th>b. Costs not Allowable for Participation</th>
<th>c. Total Allowable Costs (Column a-b)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Administrative and legal expenses</td>
<td>$400,000.00</td>
<td>$0.00</td>
<td>$400,000.00</td>
</tr>
<tr>
<td>2. Land, structures, right-of-ways, appraisals, etc.</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>3. Relocation expenses and payments</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>4. Architectural and engineering fees</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>5. Other architectural and engineering fees</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
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<tr>
<td>6. Project inspection fees (Supervision &amp; Inspection)</td>
<td>$561,000.00</td>
<td>$0.00</td>
<td>$561,000.00</td>
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<tr>
<td>7. Site work</td>
<td>$0.00</td>
<td>$0.00</td>
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</tr>
<tr>
<td>8. Demolition and removal</td>
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<td>$0.00</td>
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<tr>
<td>9. Construction</td>
<td>$26,731,952.00</td>
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<td>$26,731,952.00</td>
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<tr>
<td>10. Equipment</td>
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<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>11. Miscellaneous</td>
<td>$0.00</td>
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</tr>
<tr>
<td>12. SUBTOTAL</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
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<tr>
<td>13. Contingencies (sum of lines 1 - 11)</td>
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<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>14. SUBTOTAL</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>15. Project (program) income</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>16. TOTAL PROJECT COSTS (subtract #15 from #14)</td>
<td>$27,692,952.00</td>
<td>$0.00</td>
<td>$27,692,952.00</td>
</tr>
</tbody>
</table>

### FEDERAL FUNDING

17. Federal assistance requested, calculate as follows:

   Enter eligible costs from line 16c  Multiply X 84.7%

   (Consult Federal agency for Federal percentage share).

   Enter the resulting Federal share.

   - **STATE** $4,228,920
   - **FEDERAL** $23,464,032

Standard Form 4240
NOAA ADMINISTRATIVE
SPECIAL AWARD CONDITIONS

(Revise) 3. Since this award requires the Recipient to provide $4,705,361 (16%) in project-related matching costs from non-Federal sources, the Recipient must maintain in its official accounting records an accounting for $30,367,473.

(Revise) 7. The substantial involvement by the Federal government will be as follows:

The NMFS will provide guidance on the applicant’s development of plans, and implementation of the restoration project. The NMFS will review and approve all planning and construction details for the project. During post restoration, NMFS will be involved in the monitoring of the success of the project. Semi-annual budget meetings will be conducted by NMFS. Semi-annual reviews of the state’s progress against the goals and objectives of the cooperative agreement will be made by NMFs.
A. Financial Reports

1. All financial reports shall be submitted to the Grants Officer at the following address:

   NOAA Grants Management Division  
   1325 East West Highway, Room 9344 (OFA621)  
   Silver Spring, MD 20910-3283  
   301-713-0947 (fax – accepted for SF-272s)

2. Financial Status Report (SF-269) - (final report only)

   a. A final comprehensive Financial Status Report shall be submitted to the Grants Officer in triplicate (one original and two copies) within 90 days after award expiration. The report shall cover the entire project period from the start date through the end date of the original award or approved extended end date of the award and must include the cumulative total of indirect costs charged to the award.

   b. The recipient may use the SF-269A (short form) if no program income was generated during the award period.

3. Federal Cash Transaction Report (SF-272) - (due semi-annually)

   a. An original or signed facsimile copy of the SF-272 shall be submitted to the Grants Officer on a semi-annual basis. If the recipient is reporting on more than one NOAA grant and/or agreement, then the SF-272A must also be provided as instructed on the form.

   b. Interim semi-annual Federal Cash Transaction Reports are due no later than 30 days after the semi-annual reporting periods ending March 31 and September 30 for the entire project period of the award.

   c. A final Federal Cash Transaction Report is due within 90 days after award expiration. The report shall cover the last semi-annual reporting period ending on September 30 or March 31, or a portion thereof, based on the end date or approved extended end date of the award.

B. Performance/Progress Reports

   a. Submission: All performance/progress reports shall be submitted directly to the Federal Program Officer identified in the transmittal letter of the award. The reports may be required in hard copy (no more than an original and two copies) or accepted electronically in accordance with the Federal Program Officer's preference.

   b. Frequency: Performance reports are due on a semi-annual basis, unless otherwise specified in an award condition, no later than 30 days following the end of each six (6) month period from the start date of the original award. The last semi-annual performance report, which
NOAA Administrative Standard Award Conditions

may cover less than a six month period, will be the final report, unless otherwise specified in an award condition, and is due within 90 days after the award expiration.

C. Award Payments

1. Award payments will be made through electronic funds transfers using the U.S. Department of the Treasury's Automated Standard Application for Payments (ASAP) system. Please refer to the NOAA website at: http://www.ofa.noaa.gov/-grants/ for additional information.

D. Budget and Program Revisions for Non-Construction Awards

1. Creation of a new direct cost line item category within an approved budget for costs allowable under the applicable cost principles will not require prior approval from the Grants Officer unless the new direct cost category exceeds 10% of the total Federal share of the award and/or if the cumulative budget transfer threshold of DOC Financial Assistance Standard Term and Condition A.04.b will be exceeded with the creation of the new line item.

2. Requests for prior approval of any budget revisions that transfer funds among line item cost categories shall be submitted on the SF-424A (or other OMB approved budget form) showing the total budget for the award along with a detailed budget narrative explaining the funds transferred. The revised budget request shall be submitted to the Federal Program Officer who will in turn forward the request, along with a Program Officer recommendation, to the Grants Officer who will make the final determination in writing.

3. Requests to change and/or add program objectives or tasks that do not involve a transfer of funds between direct cost categories do not constitute a budget revision and therefore do not require submission of the SF-424A. Notwithstanding DOC Financial Assistance Standard Term and Condition B.03, any programmatic changes shall be submitted directly to the Federal Program Officer who will in turn forward the request, along with a Program Officer recommendation, to the Grants Officer who will then make the final determination in writing via a CD-451, Amendment to Financial Assistance Award.

4. The Recipient is prohibited from expending award funds (federal and/or non-federal) or the recipient’s provision of in-kind goods or services, for the purposes of providing transportation, travel, or any other expenses for any Federal employee unless specifically authorized in the award document.

E. Indirect Costs

1. Changes in Indirect Cost Rates

   a. If the rate changes during the award period, the Recipient shall provide a copy of the new negotiated agreement to the Grants Officer showing the effective date of the new rate, as well as provide a list of all awards that will be affected by the new rate.
NOAA Administrative Standard Award Conditions

b. The recipient is limited to the total allocable indirect costs based on a rate approved by their cognizant Federal agency. If the negotiated rate changes during the award period, prior approval shall be required from the Grants Officer for budget transfers from indirect to direct costs, or vice versa, if the change in the amount of total indirect costs on the approved budget exceeds 10% of the approved total indirect cost line item.

c. If the Recipient has waived any portion of the approved indirect cost rate at time of award, no claim shall be made against this award at a later date.

2. Changes in Indirect Costs Not Involving Rate Changes

a. The Recipient may transfer funds between direct costs and indirect costs without prior approval if ALL of the following conditions apply as long as such transfer is noted in the remarks section of the final Financial Status Report (SF-269):

i. If a transfer of funds among direct cost categories would result in a revision to the amount of indirect costs approved in the line item budget but does not exceed the cumulative budget transfer threshold of 10% that would require prior approval;

ii. If the authorized transfer of funds and the adjustment of the amount of indirect costs do not exceed the approved total project costs;

iii. If the indirect cost rate does not change; and

iv. If the adjustment of the amount of indirect costs does not result in a change to the approved scope of work of the award.

3. Expired Indirect Cost Rates

a. If the recipient’s Indirect Cost Rate Agreement negotiated by their cognizant Federal agency expires before the start date of the award, then the recipient may continue to use the last approved negotiated rate as long as the recipient submits a request to renegotiate the agreement with their cognizant Federal agency no more than 90 days after the award start date or approval date by the Grants Officer, which ever is later.

b. A copy of the request to renegotiate the indirect cost rate agreement shall be provided to the Grants Officer with a list of all awards that may be affected by the renegotiation. If the recipient fails to submit required documentation to their cognizant Federal agency to update their negotiated rate agreement, the Grants Officer may amend the award to preclude recovery of any indirect costs under the award until a satisfactory negotiation is reached, or the cognizant agency has notified NOAA of an acceptable arrangement.
NOAA Administrative Standard Award Conditions

A. Program Income

1. Program income earned during the award period shall be retained by the Recipient and shall be added to funds committed to the award and used for the purposes and under the conditions applicable to the use of the award funds.

2. Program income shall be reported on the Financial Status Report long form (SF-269).

G. Extensions

1. Extensions to the Period of Performance/Award Period – Expanded Authority

   a. All recipients of non-construction awards (including grantees covered under 15 CFR Part 24 – e.g., states/local governments) are herein granted authority to initiate a one-time no-cost extension to the award period of up to one year without prior approval as long as the Grants Officer is notified in writing at least 10 days prior to expiration of the award with an explanation of the reason for the extension and none of the following conditions apply:

      i. There are other special award conditions that prohibit the extension.
      ii. The extension requires additional federal funds.
      iii. The extension involves any change in program objectives or scope of the project.

   b. This authority to extend the award period without prior approval may not be exercised merely for the purpose of using unobligated funds. Recipients must maintain compliance with all terms and conditions of the award, including submission of required reports, or this expanded authority may be revoked. (This authority should not be utilized to extend continuing awards that are pending determination by the Grants Officer – see Administrative Extensions below.)

   c. For recipients covered under 15 CFR Part 14 (e.g., educational institutions/non-profits), the written notification to the Grants Officer must clearly state that the award is being extended under the expanded authorities of 15 CFR 14.25(e), provide the new expiration date of the award, and explain the reason for the extension.

   d. For recipients covered under 15 CFR Part 24 (e.g., states/local governments), the written notification to the Grants Officer must clearly state that the award is being extended in accordance with this NOAA Administrative Award Condition, provide the new expiration date of the award, and explain the reason for the extension.

2. Other Extensions to the Period of Performance/Award Period

   a. If the recipient believes it is necessary to obtain a no-cost extension to complete the approved program description and objectives beyond the expanded authority granted above, then the recipient shall submit a written request to the Federal Program Officer who will in turn forward the request, along with a Program Officer recommendation, to the Grants Officer who will then make the final determination in writing. The written request must clearly
NOAA Administrative Standard Award Conditions

justify why the extension is needed and explain what activities are remaining to be accomplished under the award and what funds are still available to support the activity. In addition, the award must be in compliance with all terms and conditions of the award, including submission of all required reports.

b. The request to extend the award period shall be submitted to the Federal Program Officer at least 30 days prior to the expiration of the award to provide the minimum time needed to review the request. The recipient proceeds at their own risk of incurring costs beyond the award expiration if the request is not submitted to NOAA at least 30 days prior to the expiration.

c. Any extension request submitted to NOAA after the expiration of the award shall be denied. Requests for reconsideration of extreme circumstances that resulted in failure to request an extension before the end of the award period must be submitted in writing and will only be considered by the Grants Officer on a case-by-case basis. Awards which are not in compliance with all terms and conditions of the award, including submission of all required reports, will not be reconsidered.

3. Administrative Extensions to the Funding Award and/or Award Period for Continuing Programs

a. If the recipient submits a continuation (or renewal) application for additional funds and time for an existing award prior to its expiration date and the award expires before the Grants Officer makes a written determination to either approve or deny the amendment, then the recipient is herein granted a 90-day no-cost extension to the period of availability of the previously awarded funds.

b. Only if the continuation/renewal amendment is denied by the Grants Officer will a no-cost amendment (Form CD-451) be issued to document this extension of the award period. Any further no-cost extension of the award period shall be requested prior to expiration of this extended end date in accordance with section G.2. above.

c. The continuation/renewal amendment, if approved by the Grants Officer, will begin the day after the last approved award period end date.

d. For multi-year awards that have a funding period incorporated in the special award conditions that ends before the award period expires, the recipient may carry forward unobligated balances into the subsequent funding period without prior approval from the Grants Officer.

4. Extension to the Closeout Period

a. Recipients have 90 days after the award expires to submit all reports required by the terms and conditions of the award and liquidate all obligations incurred. An extension to the closeout period should only be requested to complete the preparation of final reports and make final payments.
NOAA Administrative Standard Award Conditions

b. An extension to the closeout period of up to an additional 60 days may be approved by the Grants Officer if a written request (or email) is submitted to the Grants Officer before the expiration of the 90-day closet out period.

c. Any closeout extension requests submitted to the Grants Officer after the expiration of the award shall be denied. Requests for reconsideration of extreme circumstances that resulted in failure to request a closeout extension before it lapsed must be submitted in writing and will only be considered by the Grants Officer on a case-by-case basis.

d. If the final Financial Status Report (SF-269) and all other required reports are not provided by the expiration of the closeout period or approved extended closeout period, the Grants Officer shall proceed with the enforcement remedies for non-compliance including, but not limited to withholding payments and withholding further award actions as allowed under the applicable administrative rules [15 CFR §14.62 and 15 CFR §24.43].

H. Publications and Acknowledgment of Sponsorship

1. Publication of the results of research projects in the appropriate professional journals is encouraged as an important method of recording and reporting scientific information. The recipient may be required to submit a copy to the Program Office, if requested, when releasing information related to a funded project, shall include a statement that the project or effort undertaken was or is sponsored by NOAA/DOC. The recipient is also responsible for assuring that publication of any materials (including videos and Internet websites) based on or developed under a NOAA financial assistance award, shall contain the following disclaimer:

   This [report/video/website] was prepared by [recipient/author name] under award [number] from the National Oceanic and Atmospheric Administration, U.S. Department of Commerce. The statements, findings, conclusions, and recommendations are those of the author(s) and do not necessarily reflect the views of the National Oceanic and Atmospheric Administration or the Department of Commerce.
April 22, 2004

Erik Zobrist, Ph.D.
U.S. Department of Commerce, NOAA
National Marine Fisheries Service
Restoration Center, F/HC3
1315 East-West Highway, Room 15345
Silver Spring, MD 20910-3282

RE: NOAA, Award No. NA17FZ2533
“Little Lake Shoreline Protection & Dedicated Dredging near Round Lake Project (BA-37)”
Revision to Amendment No. 1

Dear Dr. Zobrist:

Enclosed are the revised SF424 and accompanying forms for a request to amend the Grant No. NA17FZ2533 “Little Lake Shoreline Protection & Dedicated Dredging near Round Lake Project (BA-37)”. The purpose of this amendment is to add Phase II funding for construction to the grant. We will request that unused funds, $1,500,000, from Phase I engineering and design be used in the construction of the project.

Also, the State Single Point of Contact has completed their review of the above referenced amendment application and have forwarded to planning commissions for comment. Attached are the letters indicating the review and comment.

Should you have any additional questions or need any additional information, please contact Julia Raiford of my staff at (225) 342-4566.

Your assistance is appreciated.

Sincerely,

Karen Y. Lewis
Contracts & Grants Administrator

KYL:jr
Enclosure

c: Marjorie McClinton, DNR Accounting
Gregory Grandy, Project Manager, DNR/CED
Mary White, CRD

CONTRACTS AND GRANTS DIVISION
P. O. BOX 94396 • BATON ROUGE, LA 70804-9396 • 617 N. THIRD STREET • 12TH FLOOR • BATON ROUGE, LA 70802
PHONE (225) 342-4513 • FAX (225) 342-8700 • WEB: http://www.dnr.state.la.us

RECEIVED
JUL 07 2005
[Stamp]
22 April 2004

Dr. Erik Zobrist
NMFS Restoration Center, F/HC3
1315 East West Highway
Silver Spring, MD 20910

RE: Little Lake Shoreline Protection and Dedicated Dredging CWPPRA Restoration Project (BA-37) Grant Amendment Number One, NOAA Grant NA17FZ233

Dear Dr. Zobrist,

Enclosed, please find a copy of the grants paperwork required for amendment number one to NOAA Grant NA17FZ233 for the Little Lake Shoreline Protection and Dedicated Dredging CWPPRA Restoration Project (BA-37). This amendment is required to add funding to the grant for Phase II construction of the shoreline protection and marsh creation features of the project. As outlined in the scope and budget sheets, this amendment request will transfer unused funds from the Phase I engineering and design portion of the project in the amount of $1,500,000 to be used in the construction of the project.

If you have any questions, please email me at gregoryg@dnr.state.la.us or phone me at (225) 342-6412. We look forward to the implementation of this project.

Respectfully submitted,

Greg Grandy
March 30, 2004

Mr. James R. Hanchey
Deputy Secretary
LA Department of Natural Resources
P.O. Box 94396
Baton Rouge, LA 70804

RE: SAI Number: LA04 0322 49
   Project: “Little Lake Shoreline Protection and Dedicated Dredging Near Round Lake Project”

Dear Mr. Hanchey:

South Central Planning and Development Commission has no comments regarding the above referenced project.

Sincerely,

Kevin P. Belanger
Chief Administrative Officer

cc: James P. Antoon, Chairman, Louisiana Single Point of Contact
    Karen Y Lewis, LDNR
APPLICATION FOR
FEDERAL ASSISTANCE

1. TYPE OF SUBMISSION:
   [ ] Preapplication
   [ ] Construction
   [ ] Non-construction

2. DATE SUBMITTED

3. DATE RECEIVED BY STATE

4. DATE RECEIVED BY FEDERAL AGENCY

5. APPLICANT INFORMATION

Legal Name: Louisiana Department of Natural Resources

Organizational Unit: Coastal Restoration Division

Address (give city, county, state, and zip code): P.O. Box 94356 East Baton Rouge Parish, Baton Rouge, LA 70894

Name and telephone number of the person to be contacted on matters involving this application: Karen Lewis (225) 342-4512

6. EMPLOYER IDENTIFICATION NUMBER (EIN):
   71-0830459

DUNS:
   83927367

7. TYPE OF APPLICANT (circle appropriate letter in box):
   A State
   B County
   C Municipal
   D Township
   E Interstate
   F Intrastate
   G Special District
   H Independent School District
   I State Controlled Institution of Higher Learning
   J Private University
   K Indian Tribe
   L Individual
   M Profit Organization
   N Other (Specify)

8. TYPE OF APPLICATION:
   [ ] New
   [ ] Continuation
   [X] Revision

   If Revision, enter appropriate letter(s) in boxes:
   A Increase Award
   B Decrease Award
   D Decrease Duration
   Other (Specify):

   C 3% OF FEDERAL DOMESTIC DISTANCE NUMBER:

   TITLE: Coastal Wetlands, Planning, Protection, and Restoration Act (PL 101-646)

9. NAME OF FEDERAL AGENCY
   Department of Commerce
   NOAA, National Marine Fisheries Service

10. DESCRIPTIVE TITLE OF APPLICANT'S PROJECT

   Coastal Wetlands
   Planning, Protection, and Restoration Act (PL 101-646)
   Shoreline Protection and Dedicated Dredging Near Round Lake Project (BA-37)

11. AREAS AFFECTED BY PROJECT (cities, counties, states, etc.):
    Little Lake in Lafourche Parish, Louisiana

12. PROPOSED PROJECT:
    Start Date: 09/01/07
    Ending Date: 06/01/08

13. CONGRESSIONAL DISTRICTS OF:
    a. Applicant District
    b. Project Third District (Lafourche Parish)

14. ESTIMATED FUNDING:

   a. Federal
      Phase I $2,198,080.00
      Phase II $23,464,032.00

   b. Applicant
      Phase I $476,441.00
      Phase II $4,228,920.00

   c. State
      $0.00

   d. Local
      $0.00

   e. Other
      $0.00

   f. Program Income
      $0.00

   TC $30,367,473.00

15. IS APPLICATION SUBJECT TO REVIEW BY STATE EXECUTIVE ORDER 13372 PROCESS?

   a. YES
      This PREAPPLICATION APPLICATION WAS MADE AVAILABLE TO THE
      STATE EXECUTIVE ORDER 13372 PROCESS FOR REVIEW ON:
      DATE

   b. NO
      PROGRAM IS NOT COVERED BY E.O. 13372
      OR PROGRAM HAS NOT BEEN SELECTED BY STATE FOR REVIEW

16. IS THE APPLICANT DELINQUENT ON ANY FEDERAL DEBT?
   Yes [X] No

17. TO THE BEST OF MY KNOWLEDGE AND BELIEF, ALL DATA IN THIS APPLICATION/PREAPPLICATION ARE TRUE AND CORRECT. THE DOCUMENT HAS BEEN Duly AUTHORIZED BY THE GOVERNING BODY OF THE APPLICANT AND THE APPLICANT WILL COMPLY WITH THE ATTACHED ASSURANCES IF THE ASSISTANCE IS AWARDED.

   A. Typed name of Authorized Representative
   Scott A. Angelette

   B. Title
   Secretary, DNR

   C. Telephone number
   (225) 342-4503

   D. Signature of Authorized Representative

   4/21/04
BUDGET INFORMATION—Construction Programs

NOTE: Certain Federal Assistance programs require additional computations to arrive at the Federal share of project costs eligible for participation. If such is the case, you will be notified.

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<thead>
<tr>
<th>COST CLASSIFICATION</th>
<th>a. Total Cost</th>
<th>b. Costs not Allowable for Participation</th>
<th>c. Total Allowable Costs (Column a-b)</th>
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<td>$0.00</td>
<td>$400,000.00</td>
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<td>2. Land, structures, right-of-ways, appraisals, etc.</td>
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<td>3. Relocation expenses and payments</td>
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<td>4. Architectural and engineering fees</td>
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<td>5. Other architectural and engineering fees</td>
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<td>6. Project inspection fees (Supervision &amp; Inspection)</td>
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<td>7. Site work</td>
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<td>8. Demolition and removal</td>
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<td>$0.00</td>
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<td>9. Construction</td>
<td>$26,731,952.00</td>
<td>$0.00</td>
<td>$26,731,952.00</td>
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<td>10. Equipment</td>
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<td>11. Miscellaneous</td>
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<td>12. SUBTOTAL</td>
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<td>$0.00</td>
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<tr>
<td>13. Contingencies (sum of lines 1 - 11)</td>
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<td>$0.00</td>
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<td>14. SUBTOTAL</td>
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<td>15. Project (program) income</td>
<td>$0.00</td>
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<td>16. TOTAL PROJECT COSTS (subtract #15 from #14)</td>
<td>$27,692,952.00</td>
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<td>$27,692,952.00</td>
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FEDERAL FUNDING

17. Federal assistance requested, calculate as follows: Enter eligible costs from line 16c Multiply X 84.73%

   (Consult Federal agency for Federal percentage share). Enter the resulting Federal share.

   STATE | $4,228,920
   FEDERAL | $23,464,032

Standard Form 424C
### 4aA Category

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<th>Task</th>
<th>State</th>
<th>Federal</th>
<th>Subtotal</th>
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<tbody>
<tr>
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<td>Phase I Land Rights Coordination</td>
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<td>Phase I DNR Admin</td>
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<td>Phase I Monitoring</td>
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<td>Phase I COE PM</td>
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<td>$720,506</td>
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<td>Phase II Project Amount</td>
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<td>Phase II DNR Admin Phase II</td>
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<td>Phase II O &amp; M</td>
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<td>Phase II Project Amount</td>
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<td>Percent</td>
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<td>100.00%</td>
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<tr>
<td>Percent</td>
<td>15.00%</td>
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**DNR Administration** (Phase I only)

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<td>Supplies</td>
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<td>Indirect Charges</td>
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<td><strong>Total</strong></td>
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<td><strong>$1,448,107</strong></td>
<td><strong>$2,185,676</strong></td>
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**Note:** All amounts in the Subtotal column are 125% of Task Force approved figures except Monitoring, O&M and COE: PM, which are 100%

**1 Note:** DNR administration is calculated as the sum of salaries, fringe benefits, indirect charges, equipment, travel and supplies. Fringe is 18.5% of salaries. The indirect charge is 42.87% of salaries and fringe.

**2 Note:** The DNR escrow payment total for the project as authorized would be $1,985,587, this would be associated with the Phase II Construction cost.
SCOPE OF SERVICES

LITTLE LAKE SHORELINE PROTECTION
AND
DEDICATED DREDGING NEAR ROUND LAKE

State Project Number BA-37
Federal Project Number BA-24-1

COOPERATIVE AGREEMENT
BETWEEN
U.S. DEPT. OF COMMERCE
NATIONAL MARINE FISHERIES SERVICE
1335 East West Highway
Silver Spring, Maryland 20910

AND

STATE OF LOUISIANA
DEPARTMENT OF NATURAL RESOURCES
P.O. Box 44027
Capitol Station
Baton Rouge, LA 70804-4027

25 March 2004
(Phase I originally submitted 14 February 2002)
# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROJECT DESCRIPTION</td>
<td>1</td>
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<td>Phase I. Engineering, Design, and Landrights</td>
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<td>Task 4. Real Estate Purchase and Long Term Landrights</td>
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<td>Phase I Deliverables</td>
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<tr>
<td>Phase II Deliverables</td>
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<td>AGREEMENT BUDGET SUMMARY</td>
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<tr>
<td>PROJECT BUDGET SUMMARY</td>
<td>11</td>
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<td>PROJECT MAP</td>
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PROJECT DESCRIPTION

This is a Scope of Services for the implementation of the Little Lake Shoreline Protection and Dedicated Dredging Near Round Lake Project (BA-24-1) by the National Marine Fisheries Service (NMFS) and The Louisiana Department of Natural Resources (LDNR). The project consists of constructing a shoreline protection along approximately four miles of Little Lake and dedicated dredging to create intertidal wetlands along the Little Lake shoreline in Lafourche Parish, Louisiana. This project is funded and authorized in accordance with the provisions of the Coastal Wetlands, Planning, Protection and Restoration Act (CWPPRA), 16 U.S.C.A., Sections 3951-3956.

Location

The project is located along the Little Lake shoreline from John the Fool Bayou to Breton Canal in Lafourche Parish, Coast 2050 Region 2, Barataria Basin. The center of the project area is located at the approximate coordinates 29° 29' 45" N latitude and 90° 20' 15" W longitude.

Project Justification

The Little Lake mapping unit is an area of high wetland loss rates caused by shoreline erosion, subsidence and channel construction. The project is located in an area protecting approximately 3,000 acres of fragile interior marsh located between the Little Lake shoreline and the Bayou L’Ours Ridge. Project area wetlands currently experience two major problems: high shoreline erosion rates (20-40 feet annually) and subsidence that deteriorates interior marshes. Project area marsh is expected to convert to mostly open water over the next 20 years. Continued shoreline erosion and wetland loss may adversely affect large areas of adjacent marsh.

Project Objective

The objective of this project is to prevent erosion along approximately four miles of Little Lake shoreline; create 488 acres of intertidal wetlands along the Little Lake shoreline; nourish maintain and maintain 532 acres intermediate marsh; and reduce land loss rates by 50% over the over the 20 year project life.

Project Features

The project would entail construction of approximately 21,000 feet of shoreline protection along the Little Lake Shoreline from John the Fool Bayou to Breton Canal. The project would also include dedicated dredging from Little Lake create approximately 488 acres of marsh at intertidal elevation and nourish 532 acres of fragmented, subsiding marsh.

Project Benefits

The Little Lake Shoreline Protection and Dedicated Dredging Near Round Lake Project (BA-24-1) is expected to provide benefits to 1,373 acres, and would protect and/or create approximately 713
acres over the course of the 20 year project life.

COST LIMITS

Project tasks are separated into two phases. Phase I is a non-construction phase and includes: engineering and design, landrights, monitoring plan development, baseline monitoring and Project administration. This Agreement describes and funds Phase I and Phase II of this Project. Phase I includes engineering and design, landrights coordination and project administration tasks of this Project, as currently funded and authorized in accordance with the provisions of the Coastal Wetlands, Planning, Protection and Restoration Act (CWPPRA), 16 U.S.C.A., Sections 3951-3956.

The development of a monitoring plan and baseline monitoring are Phase I tasks that are covered by a separate long term Memorandum of Agreement (MOA). Phase II of this project includes real estate purchase (if necessary), Project construction, supervision and inspection, long term monitoring, operations and maintenance, long term landrights, and Project administration tasks of this Project, as currently funded and authorized in accordance with the provisions of the Coastal Wetlands, Planning, Protection and Restoration Act (CWPPRA), 16 U.S.C.A., Sections 3951-3956.

Phase II of this Agreement will fund the real estate purchase (if necessary), construction, and supervision and inspection and project administration tasks of Phase II. Long term monitoring, operations and maintenance, and long term landrights are Phase II tasks that will be covered by a separate long term MOA.

The maximum authorized amount for the Little Lake Shoreline Protection and Dedicated Dredging Near Round Lake Project (BA-24-1), Phases I and II, is $36,173,385. The estimated State/Federal match for this Project would require DNR to contribute a maximum of $5,426,008 (15.00%) State and NMFS to contribute a maximum of $30,747,377 (85.00%) State. The maximum Project amount authorized for Phase I of this Project by the Task Force is $3,200,091. The maximum Project amount authorized for Phase II of this Project is $32,973,294.

The authorized maximum amount under this Agreement, Phase I (non-construction), is $2,674,521. This Agreement requires DNR to contribute a maximum of $476,441 (17.81%) and NMFS to contribute a maximum of $2,198,080 (82.19%). The $525,570 difference between the Phase I maximum Project amount and the Phase I maximum Agreement amount represents;

- $500,000 for administrative oversight by the NMFS
- $1,754 for project funding management by the U.S. Army Corps of Engineers
- $23,816 for monitoring plan development and baseline monitoring by DNR, which will be funded through a separate MOA.

The authorized maximum amount under this Agreement, Phase II (construction), is $27,692,952. This Agreement requires DNR to contribute a maximum of $4,228,920 (15.27%) and NMFS to contribute a maximum of $23,464,032 (84.73%). The $5,280,342 difference between the Phase I maximum Project amount and the Phase I maximum Agreement amount represents;

- $475,950 for administrative oversight by the NMFS
- $23,892 for project funding management by the U.S. Army Corps of Engineers
- $178,455 for long term monitoring by DNR, which will be funded through a separate MOA.
MOA.

- $4,602,045 for operations and maintenance by DNR, which will be funded through a separate MOA.

As presented and authorized by the CWPPRA Task Force, $1,500,000 that was originally budgeted for Phase I engineering and design of this project, that was not spent or obligated as a result of Phase I activities, will be rebudgeted to pay for construction costs in Phase II of this project.

Should the anticipated total Agreement cost exceed the authorized maximum Agreement amount, then DNR and NMFS shall suspend all work on the Project, including the award of contracts. Work shall resume upon approval of the Task Force and, if necessary, execution of an amendment to this Agreement. This Agreement may be terminated upon written consent of both parties.

Should the anticipated total Project cost exceed the authorized maximum Project amount, or should the anticipated total Agreement cost exceed the maximum Agreement amount, then DNR and NMFS shall suspend all work on the Project, including the award of contracts. Work shall resume upon approval of the Task Force and, if necessary, execution of an amendment to this Agreement. This Agreement may be terminated upon written consent of both parties.

**TASKS**

The following tasks, deliverables, and time lines apply to the Little Lake Shoreline Protection and Dedicated Dredging Near Round Lake Project. Project tasks are separated into two phases.

All communications from NMFS concerning the Little Lake Shoreline Protection and Dedicated Dredging Near Round Lake Project shall go through the DNR project manager, except those delegated by the DNR project manager. All communications from DNR concerning the Little Lake Shoreline Protection and Dedicated Dredging Near Round Lake Project shall go through the NMFS Project Manager, except those delegated by the NMFS project manager.

**Phase I. Engineering, Design, and Landrights**

This Project is designed to be completed in two phases. Phase I shall include pre-construction engineering and design, landrights (requirements up to, but not including, the purchase of real estate), monitoring plan development, baseline monitoring, and Project administration. The PL 101-646 has authorized the estimated Phase I cost for this Project. This is the total funding and obligation for NMFS and DNR unless Phase II funding is approved. Any cost in excess of this maximum total Phase I cost is subject to Task Force approval and amendment of this Agreement.

**Task 1. Engineering and Design**

DNR shall provide specific engineering services for this project subject to the cost-sharing provisions of the grant and in accordance with DNR policies and procedures. Specific engineering services to be provided by DNR may include design surveys,
geotechnical investigations, data analysis review, operations and maintenance budget and work review, plan preparation, and specification preparation. DNR shall provide NMFS with copies of all Project designs and specifications for review and comment by NMFS. The following schedule has been set up for review and comment by all team members:

- Project Initiation Meeting
- Presentation of a Feasibility Report (if required)
- Preliminary Design Review (30% completion of Phase I)
- Presentation of Final Plans (95% completion of Phase I).

NMFS review of the scheduled deliverables shall include verifying that all applicable federal requirements and mandates have been fulfilled, and are consistent with the project goals and objectives..

DNR will act as the agent in developing the permit package. NMFS shall be responsible of preparing an Environmental Assessment of the Project as required under the National Environmental Policy Act. NMFS, or their designee, will submit the permit applications and coordinate any interagency regulatory meetings.

Task 2. Land Rights

A. Procedures

DNR or its agent shall follow the CWPPRA Sec. 303e landrights procedures and shall perform preliminary work toward the acquisition of landrights by (1) identifying the affected landowners, (2) coordinating with these landowners during preliminary project design, and (3) presenting the preliminary plan to area landowners and obtaining landowner acceptance of the plan in order to proceed towards Phase II, and (4) DNR will use its best efforts to address oyster issues with respect to this Project.

B. Certification

DNR or its agent shall acquire all landrights, easements, servitudes, rights-of-way and dredged material disposal areas, mutually determined to be necessary for construction and monitoring of the Project through consultation with the NMFS Project Manager, except those landrights which require purchase or provision of monetary compensation, which would have to be acquired subsequent to Phase II authorization by the Task Force.

No title to the property or minerals affected herein are transferred with any easements, servitudes, rights-of-way, and dredged material disposal areas provided by DNR pursuant to this Agreement. Except as required by law, no public rights of
ownership shall be transferred and vested in private parties as a result of the Project. Further, any easements, servitudes, and rights-of-way areas shall provide for reasonable access for mineral exploration and development.

C. Landrights Value

The value of the landrights, easements, servitudes, and rights-of-way acquired by DNR in accordance with this Agreement shall be included in total project cost and shall be credited toward DNR’s share of the total Agreement cost in accordance with the following procedures:

1. The costs associated with securing all landrights, easements, servitudes, and rights-of-way be acquired by DNR or its agent shall be the actual costs, including, but not limited to, expenses associated with securing legal landrights instruments from all sources (legal reviews, recording fees, etc.) associated with Project activities.

Task 3. Monitoring Plan Development

DNR and NMFS will jointly develop and approve a Monitoring Plan for the project, subject to the overall guidelines of the CWPPRA Task Force approved Monitoring Program. The Monitoring Plan development shall be funded through an MOA between NMFS and DNR which is separate from this cost share agreement.

Task 4. Baseline Monitoring

DNR, or its agent, shall implement baseline monitoring of the project area prior to construction in accordance with the Project’s Monitoring Plan. The baseline monitoring shall be funded through an MOA between NMFS and DNR which is separate from this cost share agreement.

Phase II. Construction

Phase II of this Project shall include; real estate purchase (if necessary) and long term landrights, Project construction (including contract management), construction supervision and inspection, long term monitoring, operations and maintenance, and Project administration. The PL 101-646 has authorized the estimated Phase I cost for this Project. This is the total funding and obligation for NMFS and DNR unless Phase II funding is approved. Any cost in excess of this maximum total Phase I cost is subject to Task Force approval and amendment of this Agreement.

Task 1. Project Construction
A. Administration of the construction contract for this Project will be the responsibility of DNR. Any contract changes, both before and after the award of construction contracts, shall be jointly approved by DNR and NMFS. DNR and NMFS shall jointly approve any substantial modifications to the plans and/or specifications (such as changes requiring permit modifications, budget increases, etc.) during construction.

B. Supervision and inspection of the Project construction will be the responsibility of DNR. Supervision and inspection by DNR, or its agent, shall include, but will not be limited to, Project layout, inspection services and quality assurances during construction. DNR will notify NMFS of any minor field changes during construction. DNR will arrange for and conduct final inspection for the completed works of improvement in conjunction with NMFS. If all work has been performed in accordance with the contractual requirements, DNR will accept work from the Contractor and notify NMFS of acceptance. DNR will complete a Construction Completion Report within three months of final inspection.

Task 2. Long Term Monitoring

After DNR has accepted the completion of construction, with the concurrence of NMFS, DNR shall assume long-term monitoring of the project in accordance with the Monitoring Plan that is developed and approved during Phase I of this Project. The post-construction monitoring will be funded through an MOA between NMFS and DNR which is separate from this cost share agreement. DNR, or its agent, shall perform the work, in the manner required by the MOA, necessary needed to accomplish monitoring work during the 20 year period following construction of the project.

Task 3. Operations and Maintenance

The development of an operations and maintenance plan will be the responsibility of DNR. DNR and NMFS will jointly approve the Operations and Maintenance plan subject to the CWPPRA Task Force Standard Operating Procedures. After DNR have accepted the completion of construction, with the concurrence of NMFS, DNR shall assume long-term operations and maintenance of the project in accordance with the Operations and Maintenance Plan. The operations and maintenance will be funded through an MOA between NMFS and DNR which is separate from this cost share agreement.

Task 4. Real Estate Purchase and Long Term Landrights

Any purchase or acquisition of real estate necessary for construction of the Project will occur in Phase II. Real estate purchase or acquisition is not funded or defined in the scope of this Project and would require approval of the CWPPRA Task Force and amendment to this Agreement. Prior to the advertisement of any construction contract, DNR or its agent shall provide certification to NMFS that all necessary landrights have been acquired in accordance
with this Agreement and shall furnish NMFS evidence of landrights acquired for Project construction and monitoring.

DNR, or its agent, shall perform any work necessary for the purchase of real estate interests necessary for Project construction. Additionally, DNR will address any unexpected long term landrights issues associated with Project monitoring in the 20 year period following construction of the Project; such long term landrights shall be funded through an MOA between NMFS and DNR which is separate from this Agreement.

A. Landrights Value

The value of the landrights, easements, servitudes, and rights-of-way acquired by DNR in accordance with this Agreement shall be included in total project costs and shall be credited toward DNR's share of the total Agreement costs in accordance with the following procedures:

1. The costs associated with securing all landrights, easements, servitudes, and rights-of-way be acquired by DNR or its agent shall be the actual costs, including, but not limited to, expenses associated with securing legal landrights instruments from all sources (legal reviews, recording fees, etc.) associated with Project activities.

2. Any costs incurred for relocation of existing development structures will be included in total Project costs and will be accomplished as part of the Project construction phase through this Agreement.

DELIBERABLES

Phase I. Deliverables

1. DNR will provide NMFS with a copy, for review, of the Scope of Services used in the Engineering Firm or Subcontractor Selection process, if required, for this project. Similarly, NMFS will provide DNR with a copy, for review, of the Scope of Services used in contracting work, if required, for this project.

2. DNR will provide NMFS with a Design Study and Feasibility Report (if required) with preliminary surveys, geotechnical data, and diagrams. Upon reviewing these deliverables, should either DNR or NMFS determine that the Project is not feasible within the scope and budget authorized by the Task Force, then both DNR and NMFS shall suspend all work on the Project until an agreement is reached to propose to the Task Force either alternative designs or Project deauthorization. The Design Study and Feasibility Report (if required) is due six (6) months after execution of the grant award by both parties.
3. DNR will provide NMFS with a Preliminary Design (30% Completion of Phase I) with draft plans and report. Upon reviewing these deliverables, should either DNR or NMFS determine that the Project is not feasible within the scope and budget authorized by the Task Force, then both DNR and NMFS shall suspend all work on the Project until an agreement is reached to propose to the Task Force either alternative designs or Project or deauthorization. DNR will host the 30% design review of this project, open to all CWPPRA agencies. The Preliminary Design Report is due eight (8) months after execution of the grant award by both parties.

4. DNR will provide NMFS with a Final Engineering and Design Report (95% Completion of Phase I) with plans and specifications sufficient for project construction. Upon reviewing these deliverables, should either DNR or NMFS determine that the Project is not feasible within the scope and budget authorized by the Task Force, then both DNR and NMFS shall suspend all work on the Project until an agreement is reached to propose to the Task Force either alternative designs or Project or deauthorization. The Final Engineering and Design Report with plans and specifications is due three (3) months after the Preliminary Design review and comment period. The review and comment period shall be no longer than 30 days.

5. DNR will provide NMFS with a final set of plans and specifications ready for public bidding. A final set of Construction Bid Documents are due one (1) month after the Final Engineering Report review and comment period. The review and comment period shall be no longer than 30 days.

6. DNR will provide NMFS with permit drawings and supporting information for the Project. The permits shall be filed by NMFS. The permit applications are due three (3) months after the Preliminary Design Report review and comment period. The review and comment period shall be no longer than 30 days.

7. DNR or its agent will provide NMFS with certification and furnish evidence that all land rights, easements, servitudes, and rights-of-way sufficient to construct, maintain, operate, and monitor the project have been acquired. Rights-of-way documents are due ten (10) months after execution of the grant award by both parties.

8. DNR will provide NMFS with a Monitoring Plan and proposed Monitoring Budget. No monies will be disbursed until DNR and NMFS have agreed upon the proposed plan and budget. The Monitoring Plan is due eight (8) months after the environmental assessment.

9. NMFS will provide DNR with a copy, for review, of the documentation required in accordance with the National Environmental Policy Act (i.e., Environmental Assessment). This documentation is due three (3) months after the Preliminary Design review and comment period.
Phase II Deliverables

1. DNR will oversee the Project construction according to plans and specifications jointly approved by DNR and NMFS. DNR will supervise the public bid process to select the contractor, and will supervise and inspect during construction to ensure compliance with the plans, specifications, permits and regulatory approvals.

2. Except in emergency situations, DNR shall provide copies of all proposed change orders to NMFS for review and concurrence prior to issuance of any such orders to the Contractor. DNR shall provide NMFS with written notification of any minor field changes as soon as practical, and preferably prior to such changes.

3. During the construction period, DNR will submit to NMFS weekly reports which summarize the daily progress of construction, identify any potential or actual problems associated with compliance with the construction contract, and describe any field changes or change orders.

4. DNR will arrange for and conduct final inspection for the completed works of improvement in conjunction with NMFS. DNR will provide NMFS with a certified engineer approval of the final project inspection upon project completion, as well as a Construction Completion Report, including as-built drawings, within three months of final inspection.

5. DNR will provide NMFS with an Operations and Maintenance Plan. The Operations and Maintenance Plan is due one (1) year after final inspection.

6. DNR will submit semi-annual Project status reports to NMFS through completion of construction.

7. After completion of construction, the financial reporting will consist of project Status Reports submitted annually. Monitoring Reports shall be submitted in accordance with the approved monitoring plan. Additionally, an initial inspection and Operations and Maintenance Report will be submitted after year one and.
LITTLE LAKE SHORELINE PROTECTION
AND
DEDICATED DREDGING NEAR ROUND LAKE

Agreement Budget Summary

**Phase I. Non-Construction**

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| DNR Administration, etc. | $94,767 | $437,212 | $531,979 |

**Phase 1 Total**

|             | $476,441 | $2,198,080 | $2,674,521 |

**Phase II. Construction**

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| DNR Administration, etc. | $61,141 | $338,859 | $400,000 |

**Phase 2 Total**

|             | $4,228,920 | $23,464,032 | $27,692,952 |

**Total Phase 1 & Phase 2**

|             | $4,705,361 | $25,662,112 | $30,367,473 |

**Budget Notes**

A. DNR Administration, etc. is calculated as the sum of salaries, fringe, indirect charges, equipment, travel and supplies. Fringe is 18.5% of salary. The indirect charge percentage is 42.87% of salary and fringe.
### Project Budget Summary

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**Total Phase 1 & Phase 2**

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<td>(15.49%)</td>
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**FINANCIAL ASSISTANCE AWARD**

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**AUTHORITY**
16 USC 3951-3956

**CFDA NO. AND PROJECT TITLE**
Coastal Wetlands Planning, Protection, and Restoration Act (PL 101-646) Little Lake Shoreline Protection and Dedicated Dredging Near Round Lake Project (BA-37)

11.463

This Award approved by the Grants Officer is issued in triplicate and constitutes an obligation of Federal funding. By signing the three documents, the Recipient agrees to comply with the Award provisions checked below and attached. Upon acceptance by the Recipient, two signed Award documents shall be returned to the Grants Officer and the third document shall be retained by the Recipient. If not signed and returned without modification by the Recipient within 30 days of receipt, the Grants Officer may unilaterally terminate this Award.

- [X] Department of Commerce Financial Assistance Standard Terms and Conditions
- [X] Special Award Conditions (Attachment B)
- [ ] Line Item Budget (Attachment A)
- [ ] 15 CFR Part 14, Uniform Administrative Requirements for Grants and Agreements with Institutions of Higher Education, Hospitals, Other Non-Profit, and Commercial Organizations
- [X] 15 CFR Part 24, Uniform Administrative Requirements for Grants and Agreements to State and Local Governments
- [x] OMB Circular A-21, Cost Principles for Educational Institutions
- [x] OMB Circular A-87, Cost Principles for State, Local, and Indian Tribal Governments
- [x] OMB Circular A-122, Cost Principles for Nonprofit Organizations
- [ ] 48 CFR Part 31, Contract Cost Principles and Procedures
- [X] OMB Circular A-133, Audits of States, Local Governments, and Non-Profit Organizations
- [ ] Other(s)

**SIGNATURE OF DEPARTMENT OF COMMERCE GRANTS OFFICER**

**NOAA GRANTS OFFICER**

**DATE**

**RECEIVED**

**JUL 07 2005**
### BUDGET INFORMATIC  Non Construction Programs

#### SECTION A - BUDGET SUMMARY

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<th>Catalog of Federal Domestic Assistance Number (b)</th>
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<td>5. TOTALS</td>
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#### SECTION B - BUDGET CATEGORIES

6. Object Class Categories

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<td>$</td>
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</tr>
<tr>
<td>c. Travel</td>
<td>$593</td>
<td>$128</td>
<td>$</td>
<td>$</td>
<td>$721</td>
</tr>
<tr>
<td>d. Equipment</td>
<td>$965</td>
<td>$210</td>
<td>$</td>
<td>$</td>
<td>$1,175</td>
</tr>
<tr>
<td>e. Supplies (Field Supplies &amp; Boat Rental)</td>
<td>$290</td>
<td>$61</td>
<td>$</td>
<td>$</td>
<td>$351</td>
</tr>
<tr>
<td>f. Contractual (Eng., Design, and Landrights)</td>
<td>$1,760,867</td>
<td>$381,675</td>
<td>$</td>
<td>$</td>
<td>$2,142,542</td>
</tr>
<tr>
<td>g. Construction</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>h. Other</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>i. Total Direct Charges (sum of 6a - 6h)</td>
<td>$2,067,443</td>
<td>$448,125</td>
<td>$</td>
<td>$</td>
<td>$2,515,568</td>
</tr>
<tr>
<td>j. Indirect Charges</td>
<td>$130,637</td>
<td>$28,316</td>
<td>$</td>
<td>$</td>
<td>$158,953</td>
</tr>
<tr>
<td>k. TOTALS (sum of 6i and 6j)</td>
<td>$2,198,080</td>
<td>$476,441</td>
<td>$</td>
<td>$</td>
<td>$2,674,521</td>
</tr>
</tbody>
</table>

7. Program Income $ $ $ $ $
NOAA ADMINISTRATIVE
SPECIAL AWARD CONDITIONS

1. The Project Period for this award is 07/01/02 through 6/30/07.

2. The Budget Period for this award is 07/01/02 through 6/30/07.

**Preaward costs for the period of January 1, 2002 through June 30, 2002, in the amount of $500,000 are approved only to the extent of their reasonableness and relationship to the proposed activities of this award. The approved preaward costs are a portion of, not in addition to, the approved total budget.**

3. Since this award requires the Recipient to provide $476,441 (18%) in project-related matching costs from non-Federal sources, the Recipient must maintain in its official accounting records an accounting for $2,674,521.

4. This award number NA17FZ2533, to the Louisiana Department of Natural Resources supports the work described in the Recipient's proposal entitled "Coastal Wetlands Planning, Protection, and Restoration Act (PL 101-646) Little Lake Shoreline Protection and Dedicated Dredging Near Round Lake Project (BA-37) ", dated 12-MAR-2002, and revision dated 18-JUN-2002, which are incorporated into the award by reference. Where the terms of the award and proposal differ, the terms of the award shall prevail.

5. Award payments will be made through electronic funds transfers, using the Department of Treasury's, Automated Standard Application for Payment (ASAP) system, and in accordance with the requirements of the Debt Collection Improvement Act of 1996. The ASAP payment system allows grant and cooperative agreement recipients to withdraw funding directly from an established ASAP account for each award. ASAP is an all-electronic payment and information system developed jointly by the Financial Management Service (FMS) and the Federal Reserve Bank of Richmond. The latter, in its capacity as Treasury's fiscal agent, operates the system. ASAP is a system through which grantee organizations receiving Federal funds can draw from accounts pre-authorized by Federal Agencies. ASAP is also being used to make timely payments to financial agents that are performing financial services for FMS and other Federal Agencies.

The following information is required when making withdraws for this award: (1) ASAP account identification (id) = award number found on the cover sheet of this award; (2) Agency Location Code (ALC) = 13140001; and (3) Region Code = 01. If you are not enrolled as an ASAP Recipient Organization you must complete the enrollment process with your Federal Reserve Bank, Regional Finance Center. Enrollment applications and information can be found at [http://www.fms.treas.gov/asap/handbook.html](http://www.fms.treas.gov/asap/handbook.html). If you...
need a paper copy of the enrollment documentation please contact the Grant Specialist responsible for this award.

Advances taken through the ASAP shall be limited to the minimum amounts necessary to meet immediate disbursement needs. Advanced funds not disbursed in a timely manner must be promptly returned, via an ASAP credit, to the account from which the advanced funding was withdrawn.

Return Payments for Funds Withdrawn through ASAP: Funds that have been withdrawn through ASAP may be returned to ASAP via the Automated Clearing House (ACH) or via FEDWIRE. The ACH or FEDWIRE transaction can only be done by the Recipient's financial institution. Full or partial amounts of payments received by a Payment Requestor/Recipient Organization may be returned to ASAP. All funds returned to the ASAP system will be credited to the ASAP Suspense Account. The Suspense Account allows the Regional Financial Center to monitor returned items and ensure that funds are properly credited to the correct ASAP account. Returned funds that cannot be identified and classified to an ASAP account will be dishonored and returned to the originating depositary financial institution (ODFI).

It is essential that the Payment Requestor/Recipient Organization provide its financial institution with ASAP account information (ALC, Recipient ID and Account ID) to which the return is to be credited. Additional detailed information can be found at http://www.fms/treas.gov/asap/pay-return2.pdf.

6. All financial and progress reports shall be submitted in triplicate (one original and two copies). Financial Reports are to be submitted to the NOAA Grants Officer and Performance (technical) reports to the NOAA Program Officer.

Notwithstanding Department of Commerce Financial Assistance Standard Term and Condition B.01a, the Recipient may submit performance (technical) reports on a different frequency.

All reports will be submitted for the periods shown below.

**SCHEDULE OF REPORTING REQUIREMENTS**

**Financial Reports - (semi-annual)** *

<table>
<thead>
<tr>
<th>Period</th>
<th>Due Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>April 1 - September 30</td>
<td>October 30</td>
</tr>
<tr>
<td>October 1 - March 31</td>
<td>April 30</td>
</tr>
<tr>
<td>Final report due 90 days after award expiration</td>
<td></td>
</tr>
</tbody>
</table>

* (If the award start date begins any time other than April 1 or October 1, then the first report would be a portion of the reporting period in which the award starts.)

[Revised 3/99]
7. The substantial involvement by the Federal government will be as follows:

The NMFS will review and approve all planning and construction details for the project. During post-construction, NMFS will be involved in the monitoring of the success of the project. The NMFS will provide expertise in the financial management and the assessment of potential environmental impacts. Quarterly budget meetings will be conducted by NMFS. Quarterly reviews of the State’s progress against the goals and objectives of the cooperative agreement will be made by NMFS.
Phase I deliverables must be received, reviewed and approved by the Coastal Wetlands Planning, Protection and Restoration Act Program Office (National Marine Fisheries Service) from the State before federal funds can be expended for use in the implementation of Phase II of the project. Phase I deliverables are specified in the cooperative agreement as: 1) federal and state project permits, 2) final engineering and design report, 3) land owner notification, 4) report will include detailed budgetary and cost information for the construction phase of the project. The State must also have completed the environmental permitting of the project with all applicable Federal and State agencies.

2. At the end of Phase I of this agreement, the State and the National Marine Fisheries Service must seek the concurrence of the Coastal Wetlands Planning, Protection, and Restoration Act Task Force before funds can be expended for use in implementation of the construction portion of Phase II of the project.

3. All deliverables from contractors submitted to LDNR shall be simultaneously submitted to NMFS.

4. All scopes of work for contracts and associated field or contract modifications shall be reviewed and approved by NMFS.
NOAA ADMINISTRATIVE STANDARD AWARD CONDITIONS

A. The Recipient shall submit all refund checks to the Department of Commerce (DoC) accounting office identified below. All checks must contain the name of the DoC funding agency, award number, and no more than a two-word description to identify reason for refund. For example - Interest Earned, Program Income, Credit, Excessive Drawdown, etc.

   U.S. Department of Commerce/NOAA
   Finance Division, OFA232
   20020 Century Boulevard
   Caller Service #7025
   Germantown, MD 20874
   301-427-2034

B. Program income earned during the award period shall be retained by the Recipient and shall be added to funds committed to the award and used for the purposes and under the conditions applicable to the use of the award funds.

C. If applicable, the Recipient must request prior approval from NOAA to purchase equipment costing in excess of $5,000 per unit and having a useful life of more than one year. This condition applies to equipment not specifically identified and justified in the Recipient's proposal and approved budget.

D. If applicable, cost sharing is to be calculated on the basis of the total financial award to the Recipient. The Government does not recognize funds made in overmatch subsequent to making an award.

E. Notwithstanding Department of Commerce Financial Assistance Standard Terms and Conditions, Section L.02d., when a recipient uses foreign flagged air carrier(s) for travel, the recipient must submit the certification required by the regulations implementing the Fly America Act (41 CFR Part 301-10) to the Grants Officer in the same frequency as the Financial Status Report (SF-269). This certification may be in any format and may even be the internal travel form used by the recipient which highlights and justifies the use of a foreign flagged air carrier (see 41 CFR 301-10.142).

The certification must include:

(a) Traveler’s name;
(b) Dates traveled;
(c) The origin and the destination of the travel;
(d) A detailed itinerary of the travel, name of the air carrier, and flight number for each leg of the trip; and
(e) A statement explaining why one of the exceptions in § 301-10.135, § 301-10.136, or § 301-10.137 was met, or a copy of your agency’s written approval that foreign air carrier service was deemed a matter of necessity in accordance with § 301-10.138.
ATTACHMENT II

LITTLE LAKE SHORELINE PROTECTION / DEDICATED DREDGE PROJECT
(BA-37)

GRANT (O&M)
<table>
<thead>
<tr>
<th>Category</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recipient Name</td>
<td>Louisiana Department of Natural Resources</td>
</tr>
<tr>
<td>Street Address</td>
<td>PO Box 94390</td>
</tr>
<tr>
<td>City, State, Zip Code</td>
<td>Baton Rouge, LA 70804</td>
</tr>
<tr>
<td>Award Period</td>
<td>10/01/2009-08/31/2014</td>
</tr>
<tr>
<td>Authority</td>
<td>16 U.S.C. 3951 et seq.</td>
</tr>
<tr>
<td>CFDA No. and Project Title</td>
<td>11.463 Coastal Wetlands Planning, Protection, and Restoration Act (PL 101-646)</td>
</tr>
<tr>
<td></td>
<td>Little Lake Shoreline Protection and Dedicated Dredging near Round Lake (BA-37)</td>
</tr>
<tr>
<td>This award offer approved by the Grants Officer constitutes an obligation of Federal funding. By accepting this award offer, the Recipient agrees to comply with the award Terms and Conditions checked below. If this was a paper issued award offer, please send two signed documents to the Grants Officer and retain one set of signed award documents for your files. If this award offer is not accepted without modification within 30 days of receipt, the Grants Officer may unilaterally withdraw this award offer and de-obligate the funds.</td>
<td></td>
</tr>
<tr>
<td>Department of Commerce Financial Assistance Standard Terms and Conditions</td>
<td>Yes</td>
</tr>
<tr>
<td>Government Wide Research Terms and Conditions</td>
<td>No</td>
</tr>
<tr>
<td>Bureau Specific Administrative Standard Award Conditions</td>
<td>Yes</td>
</tr>
<tr>
<td>Award Specific Special Award Conditions</td>
<td>Yes</td>
</tr>
<tr>
<td>Line Item Budget</td>
<td>Yes</td>
</tr>
<tr>
<td>15 CFR Part 14, Uniform Administrative Requirements for Grants and Agreements with Institutions of Higher Education, Hospitals, Other Non-Profit, and Commercial Organizations</td>
<td>No</td>
</tr>
<tr>
<td>15 CFR Part 24, Uniform Administrative Requirements for Grants and Agreements to States and Local Governments</td>
<td>Yes</td>
</tr>
<tr>
<td>OMB Circular A-21, Cost Principles for Educational Institutions</td>
<td>No</td>
</tr>
<tr>
<td>OMB Circular A-87, Cost Principles for State, Local, and Indian Tribal Governments</td>
<td>Yes</td>
</tr>
<tr>
<td>OMB Circular A-122, Cost Principles for Non-Profit Organizations</td>
<td>No</td>
</tr>
<tr>
<td>48 CFR Part 31, Contract Cost Principles and Procedures</td>
<td>No</td>
</tr>
<tr>
<td>OMB Circular A-133, Audits of States, Local Governments, and Non-Profit Organizations</td>
<td>Yes</td>
</tr>
<tr>
<td>Department of Commerce Pre-Award Notification Requirements for Grants and Cooperative Agreements</td>
<td>Yes</td>
</tr>
<tr>
<td>REF: 71 FR 7606 (February 11, 2008)</td>
<td>Yes</td>
</tr>
<tr>
<td>Other(s)</td>
<td>No</td>
</tr>
<tr>
<td>Signature of Department of Commerce Grants Officer</td>
<td>Stacy Tedder</td>
</tr>
<tr>
<td>Title</td>
<td>Grants Officer</td>
</tr>
<tr>
<td>Date</td>
<td>09/17/2009</td>
</tr>
<tr>
<td>Signature of Authorized Recipient Official</td>
<td>D. Walton</td>
</tr>
<tr>
<td>Title</td>
<td>Executive Director</td>
</tr>
<tr>
<td>Date</td>
<td>10/8/2009</td>
</tr>
<tr>
<td>Grant Program Function or Activity (a)</td>
<td>Catalog of Federal Domestic Assistance Number (b)</td>
</tr>
<tr>
<td>--------------------------------------</td>
<td>-----------------------------------------------</td>
</tr>
<tr>
<td>1. Little Lake (MA-37)</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td></td>
</tr>
<tr>
<td>5. Totals</td>
<td></td>
</tr>
</tbody>
</table>
### SECTION B - BUDGET CATEGORIES

#### 6. Object Class Categories

<table>
<thead>
<tr>
<th>(1)</th>
<th>(2)</th>
<th>(3)</th>
<th>(4)</th>
<th>(5)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Little Lake (NA-37)</td>
<td>N/A</td>
<td></td>
<td></td>
<td>$137,356.00</td>
</tr>
</tbody>
</table>

- **a. Personnel**: 116,747.00 - 21,189.00 - $137,356.00
- **b. Fringe Benefits**: 29,192.00 - 5,297.00 - $34,489.00
- **c. Travel**: 2,962.00 - 536.00 - $3,500.00
- **d. Equipment**: 1,097.00 - 199.00 - $1,296.00
- **e. Supplies**: 1,098.00 - 199.00 - $1,297.00
- **f. Contractual**: 209,523.00 - 36,023.00 - $247,546.00
- **g. Construction**: 5,597,598.00 - 1,015,762.00 - $6,613,360.00
- **h. Other**: 
- **i. Total Direct Charges (sum of 6a-6h)**: 5,958,237.00 - 1,091,207.00 - $7,039,444.00
- **j. Indirect Charges**: 43,496.00 - 7,893.00 - $51,389.00
- **k. TOTALS (sum of 6i and 6j)**: 6,001,733.00 - 1,099,100.00 - $7,090,833.00

#### 7. Program Income

$ | $ | $ | $ | $
## SECTION C - NON-FEDERAL RESOURCES

<table>
<thead>
<tr>
<th>Grant Program</th>
<th>Applicant</th>
<th>State</th>
<th>Other Sources</th>
<th>TOTALS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Little Lake (RA-37)</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>9.</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>10.</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>11.</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>12. TOTAL (sum of lines 8-11)</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>$</td>
</tr>
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</table>

## SECTION D - FORECASTED CASH NEEDS

<table>
<thead>
<tr>
<th></th>
<th>Total for 1st Year</th>
<th>1st Quarter</th>
<th>2nd Quarter</th>
<th>3rd Quarter</th>
<th>4th Quarter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Federal</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>Non-Federal</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>TOTAL (sum of lines 13 and 14)</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>$</td>
</tr>
</tbody>
</table>

## SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT

<table>
<thead>
<tr>
<th>Grant Program</th>
<th>FUTURE FUNDING PERIODS (YEARS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Little Lake (RA-37)</td>
<td>(b) First</td>
</tr>
<tr>
<td>16.</td>
<td>$</td>
</tr>
<tr>
<td>17.</td>
<td>$</td>
</tr>
<tr>
<td>18.</td>
<td>$</td>
</tr>
<tr>
<td>19.</td>
<td>$</td>
</tr>
<tr>
<td>20. TOTAL (sum of lines 16 - 19)</td>
<td>$</td>
</tr>
</tbody>
</table>

## SECTION F - OTHER BUDGET INFORMATION

21. Direct Charges: $7,039,444
22. Indirect Charges: $51,388
23. Remarks:

Authorized for Local Reproduction

Standard Form 424A (Rev. 7-97)
Prescribed by OMB (Circular A-102) Page 2
Special Award Conditions

Award Number: NA09NMF4630422
Amendment Number: 0

1) Cooperative Agreement
After this cooperative agreement is formally closed through the Grants Management Division and NOAA Finance, a meeting with the U.S. Army Corps of Engineers, The NOAA Marine Fisheries Service and the recipient will be held to balance the cost shares to the proper 85% / 15% proportion.

Status report (PSR) maintained by the U.S. Army Corps of Engineers must show the proper 85% / 15% proportion. This will require full cooperation and auditing by the three parties. The actual percentage for activities covered by this cooperative agreement is 84.64% Federal and 15.36% Recipient to account for federal costs outside the cooperative agreement funding mechanism.

2) Performance Progress Reports
Interim semi-annual Project Progress Reports are due no later than 30 days after the semi-annual reporting periods ending March 31 and September 30 for the entire project period of the award. A final Project Progress Report is due within 90 days after award expiration. The report shall cover the last semi-annual reporting period ending on September 30 or March 31, or a portion thereof, based on the award expiration.

3) Final Progress Report
The final interim progress report is required and will stand as the final reporting requirement. A comprehensive final report is not required.

4) Sub-contract - Prior Approval
To approve a subcontract with the U.S. Department of Interior, United States Geological Survey, National Wetlands Research Center per the recipient's request dated June 30, 2009.

5) Pre-award Costs - Prior Approval
Pre-award costs for the period July 1, 2009 through September 30, 2009, in the amount of $100,000 are approved only to the extent of their reasonableness and relationship to the proposed activities of this award. The approved pre-award costs are a portion of, not in addition to, the approved budget.

/) New Award SAC
This award number NA09NMF4630422, to Louisiana Department of Natural Resources, supports the work described in the Recipient's proposal entitled Coastal Wetlands Planning, Protection, and Restoration Act (PL 101-646)
Little Lake Shoreline Protection and Dedicated Dredging Near Round Lake (BA-37) dated 08/10/09, which is incorporated into the award by reference. Where the terms of the award and proposal differ, the terms of the award shall prevail.
**APPLICATION FOR FEDERAL ASSISTANCE**

<table>
<thead>
<tr>
<th>1 TYPE OF SUBMISSION: APPLICATION</th>
<th>Preapplication</th>
<th>2. DATE SUBMITTED</th>
<th>Applicant Identifier</th>
</tr>
</thead>
<tbody>
<tr>
<td>[X] Construction</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>[ ] Non-construction</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>[ ] Construction</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>[ ] Non-construction</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

5 APPLICANT INFORMATION

Legal Name: Louisiana Department of Natural Resources  
Organizational Unit: Coastal Engineering Division

Address (give city, country, state, and zip code): P.O. Box 94396 East Baton Rouge Parish, Baton Rouge, LA 70894  
Name and telephone number of the person to be contacted on matters involving this application (give area code): Karen Lewis (225) 342-4513    Kenneth Baldinger (225) 342-7362

6 EMPLOYER IDENTIFICATION NUMBER (EIN):  
72-0805459  
DUNS Number:  
809927587

8 TYPE OF APPLICATION:  
[ ] New  
[ ] Continuation  
[ ] Revision  
If Revision, enter appropriate letter(s) in boxes:
A Increase Award  
B Decrease Award  
C Increase Duration  
D Decrease Duration  
Other (specify):

9 NAME OF FEDERAL AGENCY:  
Department of Commerce  
NOAA, National Marine Fisheries Service

10 CATALOG OF FEDERAL DOMESTIC ASSISTANCE NUMBER:  
L.E. Coastal Wetlands, Planning, Protection, and Restoration Act (PL 101-646)

11 AREAS AFFECTED BY PROJECT (cities, counties, states, etc.):  
Little Lake Shoreline from John Fооl Bayou to Breton Canal in Lafourche Parish, LA

12 PROPOSED PROJECT:  
Start Date 9/1/09  
Ending Date 8/31/14  
a. Applicant Sixth District  
b. Project Third District (Lafourche Parish)

13 ESTIMATED FUNDING:  
<table>
<thead>
<tr>
<th></th>
<th>Phased $</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>a Federal</td>
<td>2 $6,001,733.00</td>
<td></td>
</tr>
<tr>
<td>b Applicant</td>
<td>2 $1,089,100.00</td>
<td></td>
</tr>
<tr>
<td>c State</td>
<td>$0.00</td>
<td></td>
</tr>
<tr>
<td>d Local</td>
<td>$0.00</td>
<td></td>
</tr>
<tr>
<td>e Other</td>
<td>$0.00</td>
<td></td>
</tr>
<tr>
<td>f Program Income</td>
<td>$0.00</td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td>$7,090,833.00</td>
<td></td>
</tr>
</tbody>
</table>

14 CONGRESSIONAL DISTRICTS OF:  

15 IS APPLICATION SUBJECT TO REVIEW BY STATE EXECUTIVE ORDER 12372 PROCESS?  
[ ] YES  
[ ] NO

16. IS THE APPLICANT DELINQUENT ON ANY FEDERAL DEBT?  
[ ] Yes  
[ ] No

17. TO THE BEST OF MY KNOWLEDGE AND BELIEF, ALL DATA IN THIS APPLICATION/PREAPPLICATION ARE TRUE AND CORRECT. THE DOCUMENT HAS BEEN DULONG AUTHORIZED BY THE GOVERNING BODY OF THE APPLICANT AND THE APPLICANT WILL COMPLY WITH THE ATTACHED ASSURANCES IF THE ASSISTANCE IS AWARDED.

18. Authorizing Representative:  
Scott A. Angelic  
Title: Secretary, DNR  
Telephone number: (225) 342-3712  
Date Signed: 

STANDARD FORM 424
SCOPE OF SERVICES
OPERATIONS AND MAINTENANCE

LITTLE LAKE SHORELINE PROTECTION DEDICATED DREDGING PROJECT

State Project Number BA-37
Federal Project Number BA-24-1

COOPERATIVE AGREEMENT
BETWEEN
U.S. DEPARTMENT OF COMMERCE

NATIONAL MARINE FISHERIES SERVICE
1315 East West Highway
Silver Spring, Maryland 20910

AND

STATE OF LOUISIANA

DEPARTMENT OF NATURAL RESOURCES
P.O. Box 94396
Baton Rouge, LA 70804-9396

June 4, 2009
TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROJECT DESCRIPTION</td>
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</tr>
<tr>
<td>Location</td>
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<tr>
<td>Project Justification</td>
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<td>Project Objective</td>
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<td>Project Features</td>
<td>2</td>
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<tr>
<td>Project Benefits</td>
<td>3</td>
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<tr>
<td>COST LIMITS</td>
<td>3</td>
</tr>
<tr>
<td>TASKS</td>
<td>5</td>
</tr>
<tr>
<td>Long Term Phase 2 Operations and Maintenance</td>
<td>5</td>
</tr>
<tr>
<td>Task 1. Vegetative Plantings and Maintenance</td>
<td>6</td>
</tr>
<tr>
<td>Task 2. Inspection</td>
<td>6</td>
</tr>
<tr>
<td>Task 3. Operations and Maintenance</td>
<td>6</td>
</tr>
<tr>
<td>DELIVERABLES.</td>
<td>6</td>
</tr>
<tr>
<td>PROJECT MAP</td>
<td>8</td>
</tr>
</tbody>
</table>
PROJECT DESCRIPTION
This is a Scope of Services for the Phase 2 Operations and Maintenance (O&M) of the Little Lake Shoreline Protection and Dedicated Dredging Near Round Lake Project (BA-37) by the National Marine Fisheries Service (NMFS) and The Louisiana Department of Natural Resources (LDNR). The project consists of Operation and Maintenance of a rock dike and marsh creation along the Little Lake shoreline in Lafourche Parish, Louisiana. This project is funded and authorized in accordance with the provisions of the Coastal Wetlands, Planning, Protection and Restoration Act (CWPPRA), 16 U.S.C.A., Sections 3951-3956.

Location
The project is located within the central portion of the Barataria hydrologic basin in Lafourche Parish along the southwest shoreline of Little Lake. The project area is generally bounded by the East and West Forks of Bayou L’Ours and the southern shoreline of Little Lake from Plum Point westward to Breton Canal. The center of the project area is located at the approximate coordinates 29° 29’ 45" N latitude and 90° 20’ 15" W longitude.

Project Justification
This is a required Long-term Phase 2 Activity of (O&M) of a coastal wetlands restoration project previously engineered, designed and constructed under NOAA Cooperative Agreement NA17FZ2533.

The project area is characterized by open water areas and fragmented intermediate marsh with a high rate of marsh loss due to shoreline erosion, subsidence, and channel construction. The purpose of the project is to reduce erosion along the Little Lake shoreline, create new marsh in the open water areas, and maintain and nourish the existing, deteriorated marsh.

Project Objective
The objective of this project is to do maintenance, surveying, aerial photography and periodic inspections of the project site constructed under Cooperative Agreement NA17FZ2533.

Project Features
The project has a twenty (20) year economic life, which began on March 30, 2007 (Final acceptance). The principal project features include:

- 25,976 linear feet of rock dike shoreline protection
- 920 acres marsh creation/nourishment
Project Benefits
This agreement is to maintain the 25,976 feet of shoreline protection rock dike and a marsh creation area constructed under NOAA Cooperative Agreement NA17FZ2533. The rock dike was constructed in open water along the Little Lake shoreline. Dredged material from Little Lake was used to create/nourish 920 acres of marsh along the Little Lake shoreline.

COST LIMITS
The original Phase 1 work for the project was completed by LDNR through Cooperative Agreement NA17FZ2533 and tasked LDNR for Engineering and Design, Landrights Coordination, LDNR Administrative, and Monitoring.

The Phase II construction work also was conducted under the Cooperative Agreement NA17FZ2533 including Project Construction, Contingency, Supervision and Inspection, LDNR Administrative, and Landrights. That agreement was officially closed July 23, 2008.

The construction of the Little Lake Shoreline Protection/Dedicated Dredging Project began August 1, 2005. Final inspection was March 30, 2007 and plantings were accepted July 17, 2007.

The Long-term Phase 2 activities of the Little Lake Shoreline Protection and Dedicated Dredging Near Round Lake Project (BA-37) includes: Operations and Maintenance, NMFS Administration, and U. S. Army Corps of Engineer (ACOE) Administration of the project.

The fully funded authorized amount for the whole Little Lake Shoreline Protection and Dedicated Dredging Near Round Lake Project (BA-37), Phase II O&M activity, is $7,715,360. This total includes ACOE Administration for $21,964, Lead Agency (NMFS) Oversight for $190,908, and O&M and State Inspection of $7,502,488 over the period of twenty years.

The schedule of annual allowances for these activities is estimated to be:

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>2009</td>
<td>$4,260</td>
<td>$5,541</td>
<td>$1,247</td>
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<td>2010</td>
<td>$938</td>
<td>$55,047</td>
<td>$1,287</td>
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<td>2011</td>
<td>$968</td>
<td>$56,810</td>
<td>$1,328</td>
</tr>
<tr>
<td>2012</td>
<td>$999</td>
<td>$58,620</td>
<td>$1,370</td>
</tr>
<tr>
<td>2013</td>
<td>$1,030</td>
<td>$6,857,006</td>
<td>$156,390</td>
</tr>
<tr>
<td>2014</td>
<td>$1,063</td>
<td>$5,662</td>
<td>$1,459</td>
</tr>
<tr>
<td>2015</td>
<td>$1,097</td>
<td>$5,843</td>
<td>$1,506</td>
</tr>
<tr>
<td>2016</td>
<td>$1,133</td>
<td>$6,030</td>
<td>$1,534</td>
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<tr>
<td>2017</td>
<td>$1,169</td>
<td>$6,223</td>
<td>$1,604</td>
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<tr>
<td>2018</td>
<td>$1,206</td>
<td>$70,822</td>
<td>$1,655</td>
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<tr>
<td>2019</td>
<td>$1,245</td>
<td>$6,628</td>
<td>$1,708</td>
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<tr>
<td>2020</td>
<td>$1,285</td>
<td>$6,648</td>
<td>$1,706</td>
</tr>
<tr>
<td>2021</td>
<td>$1,326</td>
<td>$7,659</td>
<td>$1,839</td>
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<tr>
<td>2022</td>
<td>$1,368</td>
<td>$172,285</td>
<td>$3,600</td>
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<td>2023</td>
<td>$1,412</td>
<td>$82,906</td>
<td>$1,938</td>
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<td>2024</td>
<td>$1,457</td>
<td>$7,759</td>
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<td>2025</td>
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<td>$8,007</td>
<td>$2,064</td>
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<tr>
<td>2026</td>
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<td>$8,263</td>
<td>$2,130</td>
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<tr>
<td>2027</td>
<td>$0.0</td>
<td>$8,528</td>
<td>$2,198</td>
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<tr>
<td>2028</td>
<td>$0.0</td>
<td>$9,800</td>
<td>$2,268</td>
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<tr>
<td>Total</td>
<td>$2,964.00</td>
<td>$1,502,488.00</td>
<td>$190,908.00</td>
</tr>
</tbody>
</table>
The CWPPRA Task Force adopted the policy in 1999 that long-term (20-year) Phase 2 funding for projects authorized after Project Priority List 8 are to be handled under cash flow rules. The rules stipulate that the authorized long-term funds will be obligated by the Task Force Banker in 3 year rolling increments. Further NOAA grants policy has held that Cooperative Agreements will be active for no longer than 5 years.

In accordance with these policies this application is being submitted for a Multi-year Cooperative Agreement for the first five years of O&M activities. It will be initially funded with the first three years allowance and supplemented with the succeeding two years of funding at an appropriate interval. Subsequent activities after the first five years will require re-application for new Multi-year Cooperative Agreements at approximately five year intervals.

The fully funded estimate for the first 5 years of the project (FY2008-2012) is $7,260,659 including Corps Admin and Fed S&A Inspection (NMFS Long-term Administration). By law, the State and the Federal government share the costs 15% and 85% respectively. Refer to the attached spreadsheet showing the Cooperative Agreement cost share breakdown for the state and federal entities.

This first five year portion of O&M requires LDNR to contribute a maximum of $1,089,100 within this Cooperative Agreement. The federal parties will contribute a maximum of $6,171,559 as the federal share of the activities. The 85% federal project cost share includes:

- $161,622 for administrative oversight by the NMFS
- $8,204 for project funding management by the ACOE
- $6,001,733 for O&M related activities

NMFS will obligate $6,001,733 to reimburse LDNR for 84.64% of its certified work in kind costs. (Refer to blue shaded portion of the spreadsheet). NMFS will obtain these funds as MIPRs from the Task Force banker in a manner consistent with the authorized cash flow schedule. As the O&M MIPRs are augmented, NOAA Fisheries will obligate the augmented funds to the Cooperative Agreement up to $6,001,733 for this Cooperative Agreement. It is anticipated that the augmenting funds will be obtained twice over the five year period of the grant. Annual contributions of the two parties to the Cooperative Agreement over the five years will be:

<table>
<thead>
<tr>
<th>FY</th>
<th>LDNR Contribution</th>
<th>NMFS Contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008</td>
<td>$8,829</td>
<td>$44,512</td>
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<tr>
<td>2009</td>
<td>8,591</td>
<td>46,456</td>
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<tr>
<td>2010</td>
<td>8,866</td>
<td>47,944</td>
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<tr>
<td>Subtotal Initial</td>
<td>26,286</td>
<td>138,912</td>
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<tr>
<td>2011</td>
<td>9,150</td>
<td>49,479</td>
</tr>
<tr>
<td>2012</td>
<td>1,053,664</td>
<td>5,813,342</td>
</tr>
<tr>
<td>5 Year total</td>
<td>$1,089,100</td>
<td>$6,001,733</td>
</tr>
</tbody>
</table>
Should the anticipated total Agreement cost appear to exceed the authorized maximum Agreement budget, then LDNR and NMFS shall suspend all work on the Project, including the award of contracts. Work shall resume upon approval of the CWPPRA Task Force and, if necessary, execution of an amendment to this Agreement. This Agreement may be terminated upon written consent of both parties.

Future Phase 2 O&M activity may include revisions to the current 20 year estimated budget. Changes in the total authorization will be reflected in future Cooperative Agreement applications or amendments to this Cooperative Agreement.

All communications from NMFS concerning the Little Lake Shoreline Protection and Dedicated Dredging Near Round Lake Project (BA-37) shall go through the LDNR project manager, except those delegated by the LDNR project manager. All communications from LDNR concerning the Little Lake Shoreline Protection and Dedicated Dredging Near Round Lake Project (BA-37) shall go through the NMFS project manager, except those delegated by the NMFS project manager.

**LONG TERM PHASE II - OPERATIONS AND MAINTENANCE**

Long Term Phase II - Operations and Maintenance includes: maintenance, periodic inspections, surveying, and aerial photography.

The O&M Plan will be the responsibility of LDNR. LDNR and NMFS will jointly approve the O&M Plan subject to the CWPPRA Task Force Standard Operating Procedures. With the concurrence of NMFS, LDNR shall assume long-term O&M of the project in accordance with the O&M Plan. The O&M will be funded through a series of Cooperative Agreements between NMFS and LDNR of which this application is for the first of four.

All communications from NMFS concerning the Little Lake Shoreline Protection/ Dedicated Dredging Project (BA-37) shall go through the LDNR project manager, except those delegated by the LDNR project manager. All communications from LDNR concerning the Little Lake Shoreline Protection/ Dedicated Dredging Project (BA-37) shall go through the NMFS project manager, except those delegated by the NMFS project manager.

**TASKS**

The following tasks, deliverables, and time lines apply to the Little Lake Shoreline Protection /Dedicated Dredging (BA-37) Project.

Activities to be included are joint project inspection trips to be conducted annually and after major storm events if determined to be necessary by LDNR and NMFS. LDNR will submit to NMFS, a report detailing the condition of the project features and recommendations for any corrective action. In addition, surveys will be conducted as indicated in the O&M plan. Aerial photography may be
acquired during the life of this grant under the joint agreement of LDNR and NMFS.

Task 1. Inspections

LDNR shall assume long-term inspection of the project in accordance with the O&M Plan that is developed and approved during Phase I of this project.

Task 2. Maintenance

A. LDNR shall coordinate with NMFS on the plans and specifications of the project. LDNR and NMFS shall review and approve the final plans and specifications before requesting bids. Any contract changes, both before and after the award of contracts, shall be jointly approved by LDNR and NMFS. LDNR and NMFS shall jointly approve any substantial modifications to the plans and/or specifications (such as changes requiring permit modifications, budget increases, etc.) during the work.

B. Supervision and inspection of the project work will be the responsibility of LDNR. Supervision and inspection by LDNR, or its agent, shall include, but will not be limited to, project layout, inspection services and quality assurances during the work. LDNR will notify NMFS of any minor field changes during vegetative planting and maintenance. LDNR will arrange for and conduct final inspection for the completed works of improvement in conjunction with NMFS. If all work has been performed in accordance with the contractual requirements, LDNR will accept work from the Contractor and notify NMFS of acceptance. LDNR will complete a Completion Report within three months of final inspection.

Task 3. Operations and Maintenance

The Operations and Maintenance (O&M) Plan dated August 2008 was prepared by LDNR. LDNR and NMFS jointly approved the O&M Plan subject to the CWPPRA Task Force Standard Operating Procedures. With the concurrence of NMFS, LDNR assumed long-term operations and maintenance of the project in accordance with the Operations and Maintenance Plan. The operations and maintenance will be funded through a series of Cooperative Agreements between NMFS and LDNR of which this application is for the first of 4.

DELIVERABLES

1. LDNR will perform surveys of the marsh creation area and rock dike settlement plates according to the O&M plan jointly approved by LDNR and NMFS.
2. LDNR will prepare plans and specifications for maintenance of the rock dike according to the O&M plan jointly approved by LDNR and NMFS. LDNR will supervise the public bid process to select the contractor, and will supervise and inspect during the work to ensure compliance with the plans, specifications, permits and regulatory approvals.

3. Except in emergency situations, LDNR shall provide copies of all proposed change orders to NMFS for review and concurrence prior to issuance of any such orders to the Contractor. LDNR shall provide NMFS with written notification of any minor field changes as soon as practical, and preferably prior to such changes.

4. LDNR will arrange for and conduct final inspection for the completed works of improvement in conjunction with NMFS. LDNR will provide NMFS with a Maintenance Completion Report within three (3) months of final inspection.

5. LDNR will submit semi-annual Project status reports to NMFS through completion of the Cooperative Agreement.

6. The financial reporting will consist of project Status Reports submitted semiannually.

7. LDNR will provide electronic or hard copies of all project reports and elevation and bathymetric surveys conducted under this Cooperative Agreement within three (3) months of completion.

General Reporting

8. LDNR will submit semi-annual Project progress and financial reports to NMFS during the life of all cooperative agreements corresponding to the required reporting periods.

9. Reports for O&M may be required (e.g., annual site inspection reports and final report) may be required to meet the O&M Plan. These will be specified in subsequent agreements in addition to semi-annual progress and financial reports.
<table>
<thead>
<tr>
<th>424A Category</th>
<th>Task</th>
<th>State</th>
<th>Federal</th>
<th>Subtotal</th>
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<tbody>
<tr>
<td>Phase II</td>
<td>NMFS Admin Phase II</td>
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<td>$161,622</td>
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<td>CEPE PM</td>
<td>$6,204</td>
<td>$6,204</td>
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<tr>
<td>Phase II</td>
<td>O &amp; M</td>
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<td>$10,049</td>
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<td>Phase II</td>
<td>Project Amount</td>
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<td>$6,171,559</td>
<td>$7,260,659</td>
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<tr>
<td>Percent</td>
<td></td>
<td>15.000%</td>
<td>85.000%</td>
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</table>

**DNR Administration *1 - Long-term Phase 2**

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<th>State</th>
<th>Federal</th>
<th>Subtotal</th>
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<tbody>
<tr>
<td>Personnel</td>
<td>$21,189</td>
<td>$116,797</td>
<td>$137,686</td>
</tr>
<tr>
<td>fringe Benefits *1</td>
<td>$5,297</td>
<td>$20,192</td>
<td>$25,489</td>
</tr>
<tr>
<td>Travel</td>
<td>$538</td>
<td>$2,902</td>
<td>$3,440</td>
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<tr>
<td>Equipment</td>
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<td>$1,039</td>
<td>$1,238</td>
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<tr>
<td>Supplies</td>
<td>$199</td>
<td>$1,039</td>
<td>$1,238</td>
</tr>
<tr>
<td>Indirect Charges *1</td>
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<td>$43,460</td>
<td>$51,353</td>
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<tr>
<td>Total</td>
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<td>$194,812</td>
<td>$220,127</td>
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*1 Note: DNR administration is calculated as the sum of salaries, fringe benefits, indirect charges, equipment, travel and supplies. fringe is 25.0% of salaries. the indirect charge is 10.0% of salaries and fringe.
## BUDGET INFORMATIC  Non Construction Programs

### SECTION A - BUDGET SUMMARY

<table>
<thead>
<tr>
<th>Grant Program Function or Activity (a)</th>
<th>Catalog of Federal Domestic Assistance Number (b)</th>
<th>Estimated Unobligated Funds</th>
<th>New or Revised Budget</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>Federal (c)</td>
<td>Non - Federal (d)</td>
</tr>
<tr>
<td>Little Lake (BA-37)</td>
<td>$</td>
<td>$</td>
<td>$$</td>
</tr>
<tr>
<td></td>
<td>$</td>
<td>$</td>
<td>$$</td>
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<tr>
<td>5. TOTALS</td>
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### SECTION B - BUDGET CATEGORIES

<table>
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<tr>
<th>6. Object Class Categories</th>
<th>GRANT PROGRAM, FUNCTION OR ACTIVITY</th>
<th>(1) Federal</th>
<th>(2) State</th>
<th>(3)</th>
<th>(4)</th>
<th>Total (5)</th>
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<tbody>
<tr>
<td>a. Personnel (Salaries)</td>
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<td>$116,767</td>
<td>$21,189</td>
<td>$</td>
<td>$</td>
<td>$137,956</td>
</tr>
<tr>
<td>b. Fringe Benefits</td>
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<td>$29,192</td>
<td>$5,297</td>
<td>$</td>
<td>$</td>
<td>$34,489</td>
</tr>
<tr>
<td>c. Travel</td>
<td></td>
<td>$2,962</td>
<td>$538</td>
<td>$</td>
<td>$</td>
<td>$3,500</td>
</tr>
<tr>
<td>d. Equipment</td>
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<td>$1,097</td>
<td>$199</td>
<td>$</td>
<td>$</td>
<td>$1,296</td>
</tr>
<tr>
<td>e. Supplies (Field Supplies &amp; Boat Rental)</td>
<td>$1,098</td>
<td>$199</td>
<td>$</td>
<td>$</td>
<td>$1,297</td>
<td></td>
</tr>
<tr>
<td>f. Contractual (Surveying, Maintenance, Aerial Photo)</td>
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<td>$38,023</td>
<td>$</td>
<td>$</td>
<td>$247,546</td>
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</tr>
<tr>
<td>g. Construction</td>
<td></td>
<td>$5,597,548</td>
<td>$1,015,812</td>
<td>$</td>
<td>$</td>
<td>$6,613,360</td>
</tr>
<tr>
<td>h. Other (Supervision and Inspection)</td>
<td>$ -0-</td>
<td>$ -0-</td>
<td>$</td>
<td>$</td>
<td>$ -0-</td>
<td></td>
</tr>
<tr>
<td>i. Total Direct Charges (sum of 6a - 6h)</td>
<td>$5,958,187</td>
<td>$1,081,257</td>
<td>$</td>
<td>$</td>
<td>$7,039,444</td>
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</tr>
<tr>
<td>j. Indirect Charges</td>
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<td>$43,496</td>
<td>$7,893</td>
<td>$</td>
<td>$</td>
<td>$51,389</td>
</tr>
<tr>
<td>k. TOTALS (sum of 6i and 6j)</td>
<td>$6,001,733</td>
<td>$1,089,100</td>
<td>$</td>
<td>$</td>
<td>$7,090,833</td>
<td></td>
</tr>
</tbody>
</table>

7. Program Income

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### BUDGET INFORMAT.  l— Construction Programs

**NOTE:** Certain Federal Assistance programs require additional computations to arrive at the Federal share of project costs eligible for participation. If such is the case you will be notified.

<table>
<thead>
<tr>
<th>COST CLASSIFICATION</th>
<th>a. Total Cost</th>
<th>b. Costs not Allowable for Participation</th>
<th>c. Total Allowable Costs (Column a-b)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Administrative and legal expenses</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>2. Land, structures, right-of-ways, appraisals, etc.</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>3. Relocation expenses and payments</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>4. Architectural and engineering fees</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>5. Other architectural and engineering fees</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>6. Project inspection fees (Supervision &amp; Inspection)</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>7. Site work</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>8. Demolition and removal</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>9. Construction</td>
<td>$6,613,360.00</td>
<td>$0.00</td>
<td>$6,613,360.00</td>
</tr>
<tr>
<td>10. Equipment</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>11. Miscellaneous</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>12. SUBTOTAL</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>13. Contingencies (sum of lines 1 - 11)</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>14. SUBTOTAL</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>15. Project (program) income</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>16. TOTAL PROJECT COSTS (subtract #15 from #14)</td>
<td>$6,613,360.00</td>
<td>$0.00</td>
<td>$6,613,360.00</td>
</tr>
</tbody>
</table>

**FEDERAL FUNDING**

17. Federal assistance requested, calculate as follows: Enter eligible costs from line 16c Multiply X 84.64%

(Consult Federal agency for Federal percentage share). Enter the resulting Federal share.

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>FEDERAL</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>$1,015,812</td>
<td>$5,597,548</td>
</tr>
</tbody>
</table>

Standard Form 424C
LITTLE LAKE SHORELINE PROTECTION AND DEDICATED DREDGING NEAR ROUND LAKE (BA-37)

The Little Lake Shoreline Protection and Dedicated Dredging Near Round Lake (BA-37) Project is a CWPPRA project which is to be constructed by the National Marine Fisheries Service (NMFS) and the Louisiana Department of Natural Resources (LDNR). The project consists of shoreline protection and marsh creation near Little Lake in Lafourche Parish, Louisiana. This project is funded and authorized in accordance with the provisions of the Coastal Wetlands, Planning, Protection and Restoration Act (CWPPRA), 16 U.S.C.A., Sections 3951-3956.

The budget for CWPPRA projects, including the Little Lake Shoreline Protection and Dedicated Dredging Near Round Lake (BA-37) Project, is developed by the CWPPRA Economic and Engineering Workgroups. These workgroups are comprised of representatives of the participating CWPPRA agencies, which include: the Department of the Army (Corps of Engineers), Department of Commerce (NMFS), Department of Interior (Fish and Wildlife Service), Department of Agriculture (Natural Resources Conservation Service), Environmental Protection Agency, and the State of Louisiana (LDNR).

These workgroups review the goals and objectives of the projects, project location, and project type and use similar previous constructed projects to help develop the budgets. There are no existing contracts for providing the services for the projects when submitting the grant. After the grant is approved, the LDNR will begin the engineering of the project by assigning a project engineer who will determine if some or all of the engineering will be subcontracted out.

The Department of Natural Resources assigns one Project Manager who works specifically on NOAA Fisheries CWPPRA Projects. The LDNR Project Manager coordinates the project team members who work on their tasks for the project. The project team members also have supervisors and managers who will occasionally review plans, designs, and reports and participate in meetings. The Little Lake Shoreline Protection and Dedicated Dredging Near Round Lake (BA-37) Project proposed team, estimated work percentages, and estimated expenditures amounts by job title below are for the five year term of the grant. The percentage of time below is a guide to help determine the estimated amount that each team member will charge to the project.

<table>
<thead>
<tr>
<th>JOB TITLE</th>
<th>ESTIMATED % WORK</th>
<th>ESTIMATED AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineer 4</td>
<td>60</td>
<td>$ 82,774</td>
</tr>
<tr>
<td>Engineer 6</td>
<td>10</td>
<td>13,796</td>
</tr>
<tr>
<td>Engineering Technician 5</td>
<td>10</td>
<td>13,796</td>
</tr>
<tr>
<td>Coastal Resources Scientist 3</td>
<td>10</td>
<td>13,796</td>
</tr>
<tr>
<td>Senior Project Manager</td>
<td>5</td>
<td>6,897</td>
</tr>
<tr>
<td>Supervisors and Managers</td>
<td>5</td>
<td>6,897</td>
</tr>
</tbody>
</table>

TOTAL PERSONNEL SALARIES FOR GRANT $ 137,956

The LDNR Project Manager will submit biannual Financial Status Reports on the project through the NOAA grants on-line.
Opportunity Title: Little Lake OWM 2009

Ingr Agency: National Oceanic and Atmospheric Administration

CFOA Number: 11,463

CFDA Description: Habitat Conservation

OPportunity Number: NOAA-NMFS-HCPO-2009-2001711

Competition ID: 

Oppportunity Open Date: 02/12/2009

Oppportunity Close Date: 09/26/2009

Agency Contact: Mr. Gary Baron 301.713.0174 1315 East West Highway, Silver Spring, MD 20910-3282 Gary.Baron@noaa.gov

This opportunity is only open to organizations, applicants who are submitting grant applications on behalf of a company, state, local or tribal government, academia, or other type of organization.

Application Filing Name: Little Lake Shoreline Protection (BA-37)

Mandatory Documents

Move Form to Complete

Move Form to Date

Optional Documents

Disclosure of Lobbying Activities (SF-LIL)

Move Form to Submission List

Move Form to Delete

Mandatory Documents for Submission

Application for Federal Assistance (SF-424)

Project Narrative Attachment Form

Budget Narrative Attachment Form

CD121 Form

Assurances for Non-Construction Programs (SF-422)

Instructions

1. Enter a name for the application in the Application Filing Name field.
   - This application can be completed in its entirety offline; however, you will need to login to the Grants.gov website during the submission process.
   - You can save your application at any time by clicking the "Save" button at the top of your screen.
   - The "Save & Submit" button will not be functional until all required data fields in the application are completed and you clicked on the "Check Package for Errors" button and confirmed all data required data fields are completed.

2. Open and complete all of the documents listed in the "Mandatory Documents" box. Complete the SF-424 form first.
   - It is recommended that the SF-424 form be the first form completed for the application package. Data entered on the SF-424 will populate data fields in other mandatory and optional forms and the user cannot enter data in these fields.
   - The forms listed in the "Mandatory Documents" box and "Optional Documents" may be predefined forms, such as SF-424, forms where a document needs to be attached, such as the Project Narrative or a combination of both. "Mandatory Documents" are required for this application. "Optional Documents" can be used to provide additional support for this application or may be required for specific types of grant activity. Reference the application package instructions for more information regarding "Optional Documents".
   - To open and complete a form, simply click on the form's name to select the item and then click on the "⇒" button. This will remove the document to the appropriate "Documents for Submission" box and the form will be automatically added to your application package. To view the form, scroll down the screen or select the form name and click on the "Open Form" button to begin completing the required data fields. To remove a form/document from the "Documents for Submission" box, click the document name to select it, and then click the "⇒" button. This will return the form/document to the "Mandatory Documents" or "Optional Documents" box.
   - All documents listed in the "Mandatory Documents" box must be moved to the "Mandatory Documents for Submission" box. When you open a required form, the fields which must be completed are highlighted in yellow with a red border. Optional fields and completed fields are displayed in white. If you enter invalid or incomplete information in a field, you will receive an error message.

Click the "Save & Submit" button to submit your application to Grants.gov.
   - Once you have properly completed all required documents and attached any required or optional documentation, save the completed application by clicking the "Save" button.
   - Click on the "Check Package for Errors" button to ensure that you have completed all required data fields. Correct any errors if any are found, save the application package.
   - The "Save & Submit" button will become active; click on the "Save & Submit" button to begin the application submission process.
   - You will be taken to the applicant login page to enter your Grants.gov username and password. Follow all onscreen instructions for submission.
Application for Federal Assistance SF-424

* 1. Type of Submission: Application

* 2. Type of Application: New

* If Revision, select appropriate letter(s): 

* 3. Date Received: Completed by Grants.gov upon submission

4. Applicant Identifier: 

5a. Federal Entity Identifier: 

* 5b. Federal Award Identifier: 

State Use Only:

6. Date Received by State: 

7. State Application Identifier: 

8. APPLICANT INFORMATION:

* a. Legal Name: Louisiana Department of Natural Resources

* b. Employer/Taxpayer Identification Number (EIN/TIN): 72-0805459

* c. Organizational DUNS: 003927387

d. Address:

* Street1: P.O. Box 97396

Street2: 

* City: Baton Rouge

County: 

* State: LA: Louisiana

Province: 

* Country: USA: UNITED STATES

* Zip / Postal Code: 70804

e. Organizational Unit:

Department Name: 

Division Name: 

f. Name and contact information of person to be contacted on matters involving this application:

Prefix: 

* First Name: Karen

Middle Name: 

* Last Name: Lewis

Suffix: 

Title: 

Organizational Affiliation: 

* Telephone Number: 225-342-4566 

Fax Number: 

* Email: julia.raiford@la.gov (AOI Contact)
Application for Federal Assistance SF-424

Version 02

9. Type of Applicant 1: Select Applicant Type:
   A: State Government

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

* Other (specify):

10. Name of Federal Agency:
   National Oceanic and Atmospheric Administration

11. Catalog of Federal Domestic Assistance Number:
   11.463

CFDA Title:
   Habitat Conservation

12. Funding Opportunity Number:
   NOAA-NMFS-HCPO-2009-2001711

* Title:
   Little Lake O&M 2009

13. Competition Identification Number:

Title:

14. Areas Affected by Project (Cities, Counties, States, etc.):
   Little Lake Shoreline from John Fool Bayou to Breton Canal in Lafourche Parish, LA

15. Descriptive Title of Applicant’s Project:
   Coastal Wetlands Planning, Protection, and Restoration Act (PL 101-646)
   Little Lake Shoreline Protection and Dedicated Dredging Near Round Lake (BA-37)

Attach supporting documents as specified in agency instructions.
16. Congressional Districts Of:
   * a. Applicant [LA-06]
   * b. Program/Project [LA-03]

Attach an additional list of Program/Project Congressional Districts if needed.

17. Proposed Project:
   * a. Start Date: [09/01/2009]
   * b. End Date: [08-21-2014]

18. Estimated Funding ($):
   * a. Federal 6,001,733.00
   * b. Applicant 1,089,100.00
   * c. State 0.00
   * d. Local 0.00
   * e. Other 0.00
   * f. Program Income 0.00
   * g. TOTAL 7,090,833.00

19. Is Application Subject to Review By State Under Executive Order 12372 Process?
   - [x] a. This application was made available to the State under the Executive Order 12372 Process for review on [ ]
   - [ ] b. Program is subject to E.O. 12372 but has not been selected by the State for review.
   - [ ] c. Program is not covered by E.O. 12372.

20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes", provide explanation.)
   - [ ] Yes
   - [x] No
   - [ ] Explanation

21. *By signing this application, I certify (1) to the statements contained in the list of certifications** and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)
   - [x] ** I AGREE

   ** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

Authorized Representative:

Prefix: __________________________   * First Name: Scott
Middle Name: _____________________
* Last Name: Angelle
Suffix: __________________________

*Title: Secretary, DNR

*Telephone Number: 225-342-2710   Fax Number: 

*Email: julia.raiford@la.gov (AOR Contact)

* Signature of Authorized Representative: [ilegible]   * Date Signed: [ilegible]
 Applicant Federal Debt Delinquency Explanation

The following field should contain an explanation if the Applicant organization is delinquent on any Federal Debt. Maximum number of characters that can be entered is 4,000. Try and avoid extra spaces and carriage returns to maximize the availability of space.
* Mandatory Project Narrative File Filename: Little Lake O&M Grant SGS 01-15-2009.doc

Add Mandatory Project Narrative File  Delete Mandatory Project Narrative File  View Mandatory Project Narrative File

To add more Project Narrative File attachments, please use the attachment buttons below.

Add Optional Project Narrative File  Delete Optional Project Narrative File  View Optional Project Narrative File
LOBBING

As required by Section 1352, Title 31 of the U.S. Code, and implemented at 15 CFR Part 28, for persons entering into a grant, cooperative agreement or contract over $100,000 or a loan or loan guarantee over $150,000 as defined at 15 CFR Part 28, Sections 28.105 and 28.110, the applicant certifies that to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, 'Disclosure Form to Report Lobbying,' in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure occurring on or before October 23, 1996, and of not less than $1,000 and not more than $110,000 for each such failure occurring after October 23, 1996.

As the duly authorized representative of the applicant, I hereby certify that the applicant will comply with the above applicable certification.

* NAME OF APPLICANT
Louisiana Department of Natural Resources

* AWARD NUMBER

* PROJECT NAME
Little Lake Shoreline Protection (BA-37)

Prefix:  * First Name:
Scott

Middle Name:

* Last Name:
Angelle

* Title:
Secretary, DNR

* DATE:
Completed by Grants.gov upon submission.

Completed by Grants.gov upon submission.
ASSURANCES - NON-CONSTRUCTION PROGRAMS

The burden of reporting for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0040), Washington, DC 20503.

PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.

NOTE: Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the awarding agency. Further, certain Federal awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant:

1. Has the legal authority to apply for Federal assistance and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project cost) to ensure proper planning, management and completion of the project described in this application.

2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the award; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.

3. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.

4. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.

5. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4725-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).

6. Will comply with all Federal statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. §§6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-516), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee-3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and, (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.

7. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal or federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.

8. Will comply, as applicable, with provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.

10. Will comply, if applicable, with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is $10,000 or more.

11. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11968; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of Federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the Clean Air Act of 1970, as amended (42 U.S.C. §§7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).


14. Will comply with P.L. 93-348 regarding the protection of human subjects involved in research, development, and related activities supported by this award of assistance.

15. Will comply with the Laboratory Animal Welfare Act of 1966 (P.L. 89-544, as amended, 7 U.S.C. §§2131 et seq.) pertaining to care, handling, and treatment of warm blooded animals held for research, teaching, or other activities supported by this award of assistance.

16. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.

17. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, “Audits of States, Local Governments, and Non-Profit Organizations.”

18. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.

* SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL

[Signature]

Completed on submission to Grants.gov

* APPLICANT ORGANIZATION

Louisiana Department of Natural Resources

* TITLE

Secretary, DNR

* DATE SUBMITTED

Completed on submission to Grants.gov

Standard Form 424B (Rev. 7-97) Back
### BUDGET INFORMATION - Non-Construction Programs

#### SECTION A - BUDGET SUMMARY

<table>
<thead>
<tr>
<th>Grant Program Function or Activity</th>
<th>Catalog of Federal Domestic Assistance Number</th>
<th>Estimated Unobligated Funds</th>
<th>New or Revised Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(a)</td>
<td>Federal (c)</td>
<td>Federal (e)</td>
</tr>
<tr>
<td>1. Little Lake (BA-37)</td>
<td></td>
<td>$6,001,733.00</td>
<td>$1,089,100.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Non-Federal (d)</td>
<td>Non-Federal (f)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>2.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td></td>
<td></td>
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<tr>
<td>5. Totals</td>
<td></td>
<td>$6,001,733.00</td>
<td>$1,089,100.00</td>
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Standard Form 424A (Rev. 7-97)

Prescribed by OMB (Circular A-102) Page 1
### SECTION B - BUDGET CATEGORIES

<table>
<thead>
<tr>
<th>6. Object Class Categories</th>
<th>GRANT PROGRAM, FUNCTION OR ACTIVITY</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(1)</td>
<td>(2)</td>
</tr>
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<td><strong>Little Lake (RA-37)</strong></td>
<td>$116,767.00</td>
<td>$21,189.00</td>
</tr>
<tr>
<td>a. Personnel</td>
<td>$29,192.00</td>
<td>$5,287.00</td>
</tr>
<tr>
<td>b. Fringe Benefits</td>
<td>$2,962.00</td>
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<tr>
<td>c. Travel</td>
<td>$1,097.00</td>
<td>$199.00</td>
</tr>
<tr>
<td>d. Equipment</td>
<td>$1,098.00</td>
<td>$199.00</td>
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<tr>
<td>e. Supplies</td>
<td>$209,523.00</td>
<td>$38,023.00</td>
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<tr>
<td>f. Contractual</td>
<td>$5,697,548.00</td>
<td>$1,015,812.00</td>
</tr>
<tr>
<td>g. Construction</td>
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<td>$1,081,257.00</td>
</tr>
<tr>
<td>h. Other</td>
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<td>$7,893.00</td>
</tr>
<tr>
<td>i. Total Direct Charges (sum of 6a-6h)</td>
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<td>$1,089,150.00</td>
</tr>
<tr>
<td>j. Indirect Charges</td>
<td>$6,001,683.00</td>
<td>$1,089,150.00</td>
</tr>
</tbody>
</table>

**k. TOTALS (sum of 6i and 6j)**

7. Program Income

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Authorized for Local Reproduction

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Standard Form 424A (Rev. 7-97)
Prescribed by OMB (Circular A-102) Page 1A
SECTION C - NON-FEDERAL RESOURCES

<table>
<thead>
<tr>
<th></th>
<th>(a) Grant Program</th>
<th>(b) Applicant</th>
<th>(c) State</th>
<th>(d) Other Sources</th>
<th>(e) TOTALS</th>
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</thead>
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<tr>
<td>8</td>
<td>Little Lake (BA-37)</td>
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<td>$</td>
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<tr>
<td>9</td>
<td></td>
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<td>10</td>
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<td>12</td>
<td>TOTAL (sum of lines 8-11)</td>
<td>$</td>
<td>$</td>
<td>$</td>
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SECTION D - FORECASTED CASH NEEDS

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<tr>
<th></th>
<th>Total for 1st Year</th>
<th>1st Quarter</th>
<th>2nd Quarter</th>
<th>3rd Quarter</th>
<th>4th Quarter</th>
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<tr>
<td>13</td>
<td>Federal</td>
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<td>$1,500,420.75</td>
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<tr>
<td>14</td>
<td>Non-Federal</td>
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<td>$272,287.50</td>
<td>$272,287.50</td>
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<td>15</td>
<td>TOTAL (sum of lines 13 and 14)</td>
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<td>$1,772,708.25</td>
<td>$1,772,708.25</td>
<td>$1,772,708.25</td>
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SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT

<table>
<thead>
<tr>
<th></th>
<th>(a) Grant Program</th>
<th>FUTURE FUNDING PERIODS (YEARS)</th>
<th>(b) First</th>
<th>(c) Second</th>
<th>(d) Third</th>
<th>(e) Fourth</th>
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<td>Little Lake (BA-37)</td>
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<td>$</td>
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<td>17</td>
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<td>$</td>
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<td>$</td>
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<td>18</td>
<td></td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>$</td>
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<td>$</td>
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<tr>
<td>20</td>
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SECTION F - OTHER BUDGET INFORMATION

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Other Attachment File(s)

* Mandatory Other Attachment Filename: 

Add Mandatory Other Attachment  Delete Mandatory Other Attachment  View Mandatory Other Attachment

To add more "Other Attachment" attachments, please use the attachment buttons below:

Add Optional Other Attachment  Delete Optional Other Attachment  View Optional Other Attachment
ATTACHMENT III

LITTLE LAKE SHORELINE PROTECTION / DEDICATED DREDGE PROJECT
(BA-37)

PROJECT FEATURES
ATTACHMENT IV

LITTLE LAKE SHORELINE PROTECTION / DEDICATED DREDGE PROJECT
(BA-37)

PROJECT COMPLETION REPORT

Note: Due to size of complete report, Appendices from the BA-37 Project Completion Report are not included in this Plan other than Appendix F - Overall Project Plan and As-Built Drawings which can be found in Attachment V of this Plan. For entire Project Completion Report including all appendices, see the stand alone Report.
Little Lake Shoreline Protection & Marsh Creation Project
BA-37

SCI PROJECT NO. 116478

PROJECT COMPLETION REPORT

AUGUST 2007

Prepared for:
Louisiana Department of Natural Resources

Prepared By:
Shaw Coastal, Inc.
197 Elysian Drive
Houma, Louisiana 70363

Shaw Coastal, Inc.
# PROJECT COMPLETION REPORT

## Table of Contents

1. Project Managers/Contracting Officer .................................................. 1
2. Location and Description of Projects as Approved for Construction by Task Force ........................................................................ 1
3. Final, As-Built Features, Boundaries and Resulting Acreage ...................... 1
4. Key Project Cost Elements ..................................................................... 2
5. Items of Work ....................................................................................... 3
6. Construction and Construction Oversight .............................................. 5
7. Major Equipment Used ......................................................................... 5
8. Construction Sequences and Activities .................................................. 6
9. Construction Change Orders and Field Changes .................................... 7
10. Pipeline and Other Utility Crossings ..................................................... 9
11. Safety and Accidents ......................................................................... 9
12. Project Issues and Discussion .............................................................. 10
13. Significant Construction Dates ............................................................ 12

## APPENDICES

A  Progress Schedules  
B  Change Order No. 1 through No. 5 and Field Orders No. 1 through No. 3  
C  Preliminary Meeting & Pre-Construction Conference  
D  Final Inspection & Acceptance  
E  Project Data and Fact Sheet  
F  Overall Project Plan and As-Built Drawings  
G  Survey Methodology  
H  Magnetometer Surveys  
I  Cell Sheets  
J  Permits  
K  DNR Acceptance of Work
L  Clear Lien Certificate
M  Staff Gauge Specifications
N  Shoreline Change 1998 - 2005
O  Report on CD-ROM
PROJECT COMPLETION REPORT

PROJECT NAME:  Little Lake Shoreline Protection / Dedicated Dredging near Round Lake Project

CWPPRA/STATE PROJECT NO.  BA-37

Report Date:  August 2007  By:  Shaw Coastal, Inc.

1. Project Managers/Contracting Officer:
   - DNR Construction Project Manager: Daniel Dearmond, P.E.  Telephone: 985-449-5103
   - DNR Monitoring Manager: Glen Curole  Telephone: 985-447-0995
   - Federal Agency Project Manager: Cheryl Brodnax - NOAA  Telephone: 225-578-7923
   - Construction Administrator/Inspection: Jeffery M. Peña, P.E.  Telephone: 985-868-3434

2. Location and Description of Projects as Approved for Construction by Task Force.

The Little Lake Shoreline Protection / Dedicated Dredging near Round Lake Project (BA-37) is a shoreline protection and marsh creation project located in the central Barataria Basin in Lafourche Parish, Louisiana. The Little Lake Shoreline Protection project area is located on the southwestern shoreline of Little Lake from Superior Canal to Plume Point. The Little Lake project area is generally bound by the East and West Forks of Bayou L'Ors and the southern shoreline of Little Lake from Plum Point westward to Breton Canal.

The site is accessible only by boat. The nearest boat launch is the Clovelly Farms on Clovelly Canal located in Cut Off, Louisiana.

The purpose of the project is to prevent erosion along approximately four (4) miles of Little Lake shoreline; create 488 acres of intertidal wetlands along the Little Lake shoreline; nourish and maintain 532 acres of intermediate marsh; and reduce the land-loss rates by 50% over the 20-year life of the project. The project consists of constructing a shoreline protection rock dike in open water along the shoreline of Little Lake and using dredged material from Little Lake to create/nourish intertidal marsh along the Little Lake shoreline. The project is sponsored by the United States Department of Commerce / National Ocean and Atmospheric Administration (NOAA) National Marine Fisheries Services (NMFS) and the Louisiana Department of Natural Resources (LDNR) under the Coastal Wetlands Planning, Protection, and Restoration Act (CWPPRA).

(Refer to Appendix E for fact sheet and project site map.)

3. Final, As-Built Features, Boundaries and Resulting Acreage (use attachments if necessary).

The project was constructed as described above. For additional information see attached Appendix F, Pre and Post Construction Plan View and Appendix G, As-Built Drawings.

This project created and nourished approximately 920 acres of marsh platform. Approximately 25,976 feet of rock dike was constructed of 175,290 tons of 250 pound class rock and Corp of Engineers R650 class.
4. **Key Project Cost Elements**

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<th>CWPPRA Project Report Estimates Data</th>
<th>Cost Incurred as of May 6, 2007*</th>
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**Most recent estimate from CWPPRA Project estimates Report produced by USACE. See Appendix E, CWPPRA Project Status Report.**

*Does not include Federal Sponsor administrative costs.*
## Schedule of Items

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<th>Item No.</th>
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<th>Unit</th>
<th>Estimated Unit Price</th>
<th>Estimated Amount</th>
<th>Bid Quan.</th>
<th>Bid Unit Price</th>
<th>Bid Amount</th>
<th>As-Built Quantity</th>
<th>As-Build Amount</th>
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**DNR Estimated Amount:** $24,353,541.72  **Original Base Bid Amount:** $15,797,357.15  **As-Built Amt.:** $16,503,071.80
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<th>Estimated Amount</th>
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6. **Construction and Construction Oversight**

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<th>Pine Bluff Sand and Gravel Company</th>
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<td>Subcontractor – Survey</td>
<td>T. Baker Smith, Inc.</td>
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<tr>
<td>Subcontractor – Excavation of Access and Flotation Channels</td>
<td>Manson Gulf, LLC</td>
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<tr>
<td>Subcontractor – Containment Levees &amp; Internal Training Dikes</td>
<td>Wilco Marsh Buggies, Inc.</td>
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<tr>
<td>Original Construction Contract</td>
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<td>Change Orders</td>
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<td>Final Construction Contract</td>
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**Construction Oversight Contractor:** Shaw Coastal, Inc.

**Construction Oversight Amount:** $477,978.00

7. **Major Equipment Used**

- Large Open Skiff – Pine Bluff Sand and Gravel Company (PBSG)
- 18' Skiff – PBSG
- "Marion" 24” Cutterhead Dredge – PBSG
- 2 – 61-B Cranes – PBSG
- IT-28 CAT Loader – PBSG
- 518 CAT Skidder – PBSG
- Booster No. 9 – PBSG
- 2 – Derrick barges – PBSG
- 2 – CAT Marsh Excavators – PBSG
- Fuel Barge – PBSG
- Idler Barge – PBSG
- 6 – Motor Vessels – PBSG
- 8 – S Barges – PBSG
- Crewboat for Rock Dike Construction – PBSG
- Office Barge for Rock Dike Construction – PBSG
- Ramp Barge for Rock Dike Construction – PBSG
- 4600 Manitowoc Dragline – PBSG
- 375-L Trackhoe – PBSG
- Scully Boat for Rock Dike Construction – PBSG
- 16’ Skiff – TBS
Trimble 5700 GPS Total Station – T. Baker Smith (TBS)
15' Air Boat – TBS
22' Survey Vessel – TBS
15' Work Boat – TBS
16' Airboat – TBS
20' Work Boat – TBS
22' Work Boat – Wilco Marsh Buggies, Inc. (Wilco)
16' Airboat – Wilco
2 – CAT Marsh Excavators, 330 LR – Wilco
Link Belt 100 Marsh Excavator – Wilco
“Terrebonne Bayou” 4600 Mantiowoc Crane Barge – Manson Gulf, LLC (Manson)

8. Construction Sequences and Activities

- August 5, 2005: Sub-Contractor, T. Baker Smith (TBS) commenced surveying of the project area.
- August 27, 2005 – October 2, 2005: Hurricane Katrina and Hurricane Rita caused high winds and rough seas; no work was conducted.
- November 26, 2005: Sub-Contractor, Wilco Marsh Buggies Inc. (Wilco) mobilized at the project site and commenced construction on the levees.
- December 12, 2005: Sub-Contractor, Manson Gulf, LLC (Manson), mobilized the “Terrebonne Bayou” at the project site and commenced dredging of the No. 3 Access Channel.
- December 23, 2005 – December 27, 2005: Holiday Break; no work was conducted at the project site during this time period.
- January 29, 2006: Sub-Contractor, Manson, ceased dredging and removed the “Terrebonne Bayou” from the project site.
- February 16, 2006: Contractor’s hydraulic dredge “Marion” arrived at the project staging area.
- February 22, 2006: Sub-Contractor, Wilco completed work on the levees.
- February 28, 2006: Contractor mobilized “Marion” at the project site borrow area.
- March 7, 2006: “Marion” commenced dredging operations at 5:50 am.
- March 8, 2006: Sub-Contractor, Wilco removed their equipment from the project site.
- March 15, 2006: Contractor mobilized equipment at the project area for construction of the rock dike.
• March 16, 2006: Contractor began placing the geotextile fabric for construction of the rock dike.
• March 21, 2006: Contractor commenced construction of the rock dike.
• June 30, 2006: The “Marion” completed the dredging and disposal operations for the marsh creation.
• July 17, 2006: Dredge “Marion” left the project site.
• August 14, 2006: Final 28 day surveys completed for remaining cells.
• October 11, 2006: Contractor mobilized Dredge “Alroar” at the project site.
• October 16, 2006: Dredge “Alroar” commenced dredging of the Flotation Channel.
• December 12, 2006: Begin Third Lift Rock Dike.
• December 15, 2006: Dredge “Alroar” commenced backfill of the Flotation Channel.
• February 9, 2007: “Alroar” commenced backfill of the Access Channel.
• February 11, 2007: Construction of the rock dike was completed.
• February 12, 2007: The Contractor CAT 345 continued the backfill of the Flotation Channel.
• February 24, 2007: The “Alroar” completed backfill of the Access Channel.
• February 25, 2007: The “Alroar” completed backfill of the Flotation Channel.
• March 21, 2007: Contractor completed demobilization from the project site.
• March 30, 2007: Final Site Inspection.


Change Order No. 1 (October 25, 2005):
Increase the total Construction Cost from $17,899,156.40 to $17,935,156.40 with an increase in project construction time from 500 days to 545 days. The 45 day increase is directly related to the delays caused by Hurricane Katrina and Rita.

<table>
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<tr>
<th>ITEM NO.</th>
<th>ITEM</th>
<th>UNIT</th>
<th>ORIGINAL QUANTITY</th>
<th>UNIT COST</th>
<th>ORIGINAL BID AMOUNT</th>
<th>ADDITIONAL QUANTITY</th>
<th>ADDITIONAL AMOUNT</th>
<th>BID ITEM TOTAL $ AMOUNT</th>
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TOTAL: $36,000.00

Change Order No. 2 (November 21, 2005):
Increase the total Construction Cost from $17,935,156.40 to $18,042,256.40 with no increase in project construction time.
### Change Order No. 3 (September 18, 2006):
Increase the total Construction Cost from $18,042,256.40 to $18,817,784.30 with no increase in project construction time.

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>ITEM</th>
<th>UNIT</th>
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<th>UNIT COST</th>
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<th>ADDITIONAL QUANTITY</th>
<th>ADDITIONAL AMOUNT</th>
<th>BID ITEM TOTAL $ AMOUNT</th>
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<tbody>
<tr>
<td>3</td>
<td>Primary Earthen Boundary Containment Levee</td>
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<td>8,123</td>
<td>$34.00</td>
<td>$276,182.00</td>
<td>3,150</td>
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### Change Order No. 4 (October 30, 2006):
Increase the total Construction Cost from $18,817,784.30 to $20,302,784.30 with an increase in construction time from 545 days to 635 days (90 additional days).

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<th>ADDITIONAL AMOUNT</th>
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<tr>
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### Change Order No. 5 (Balancing Change Order) (May 2, 2007):
Decrease the total Contract Value by $591,103.75 from $20,302,784.30 to $19,711,680.55.

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<th>ITEM NO.</th>
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<th>TOTAL QUANTITY</th>
<th>UNIT COST</th>
<th>TOTAL $ AMOUNT</th>
<th>UNEARNED QUANTITY</th>
<th>$ AMOUNT</th>
<th>BID ITEM TOTAL $ AMOUNT</th>
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<td>SY</td>
<td>118,693</td>
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<td>$28.50</td>
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<td><strong>$591,103.75</strong></td>
<td><strong>$7,971,547.25</strong></td>
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Field Order No. 1 (January 25, 2006):

This field order provides for revised rock quantities, cross-sections and alignment. The rock quantity for the revised cross-sections and alignment will be evaluated per linear foot after a portion of the rock dike is constructed and then a change order will be initiated for the quantity, if it exceeds the current contract amount. The Contractor submitted a revised alignment based on his surveys and the alignment was reviewed and accepted.

Field Order No. 2 (January 26, 2006):

This field order provides for a relocation of containment dike “P EBCL 13” to the northern extent of dike “P EBCL 12”. The new location of the containment dike will extend northward along the marsh as directed by the Engineer and/or project representative. Containment dike “P EBCL 13” cannot be constructed in the original location due to access and permitting issues. It is being relocated as described above to further protect the no fill zone on the southeastern part of the project.

Field Order No. 3 (June 7, 2006):

This field order pertains to the clarification of payment methods and increments for the cells. The payment for specific edge cells to be between 0.9’ and 2.4’. The following are the specific edge:

EC-1 through EC-47, EC-49 through EC-57, EC-64 through EC-66, EC-73, EC-74

IC-1 through IC-4, IC-7 through IC-10

These will be the only cells which will be paid for material below 1.8’. All other cells will be paid per specifications. Payment on one-tenth intervals will be allowed for all cells within the project area within the allowable range of 1.8’ to 2.4’ and 0.9’ to 2.4’ for the edge cells listed above.

10. Pipeline and Other Utility Crossings.

<table>
<thead>
<tr>
<th>#</th>
<th>Structure</th>
<th>Owner</th>
<th>Rep. To Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Pipeline</td>
<td>British Petroleum</td>
<td>Jerry Erceg (504) 393-6285</td>
</tr>
<tr>
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<td></td>
<td></td>
<td>Alt.: Al Davis (504) 393-6282</td>
</tr>
<tr>
<td>2.</td>
<td>Pipeline</td>
<td>Tennessee Gas Pipeline Company</td>
<td>Mike Bryan (985) 879-3516 (Ext 2023)</td>
</tr>
<tr>
<td>3.</td>
<td>Land</td>
<td>General Agriculture Services, LTD.</td>
<td>Harold Werner (504) 522-7496</td>
</tr>
<tr>
<td>4.</td>
<td>Land</td>
<td>Landowner Representative (Randy Moertle &amp; Associates, Inc.)</td>
<td>Randy Moertle (985) 532-6388</td>
</tr>
</tbody>
</table>

11. Safety and Accidents.

The Contractor, Pine Bluff Sand and Gravel Company (PBSG), submitted an Accident Prevention Program that included the following topics:

- Safety Organization
• Safety Orientation – given to all employees as they arrive at the jobsite
• Safety Training & Motivation – including weekly safety meetings attended by all job personnel
• Employee Protective Equipment
• Fire Prevention and Protection
• Housekeeping and Sanitation
• First Aid and Medical Treatment – including availability of First Aid kits and at least two members of the job supervisory staff or key personnel on each shift will be qualified in First Aid and CPR
• Accident Investigation and Reporting
• Specific Job Hazards
• Maintaining a Drug-Free Workplace
• Safety Policy – PBSG ensures compliance with all safety and accident control requirements of the Code of Federal Regulations, Title 29, OSHA

There were no accidents reported during the Little Lake Shoreline Protection / Dedicated Dredging near Round Lake Project.

12. Project Issues and Discussion

1. Issue: Unconfined marsh creation

**Discussion:** In most unconfined marsh creation areas of the project, marsh creation could not be constructed as per plans with the 500’ sloping to natural ground elevation due to concerns with neighboring land owners and state water bottoms being impacted. In utilizing unconfined marsh creation in the early stages of the project dredge material flowed out of the project area and caused large movements in floating marsh. These issues were resolved by almost full containment of the project area.

2. Issue: Shoreline Erosion

**Discussion:** From the date of original design surveys (2002-2003) and the effects of three hurricanes during construction, the shoreline experienced erosion ranging from 50’ to 500’ in certain areas. This caused the realignment of the rock dike to accommodate the changes (reference Appendix N).

3. Issue: Internal Training Dikes

**Discussion:** Contractor was unclear regarding the definition and use of internal training dikes during this project.

Dikes used for containment such as the 3,165’ for the no fill area should have their own quantity/bid item defined as containment. Training dikes, if not considered incidental, should have its own bid item.

4. Issue: Lump Sum Items

**Discussion:** True lump sum items should avoid having associated quantities. One example is the access channels have defined length and volume on the plans. If any additional quantity is required contractor
will have a claim for pro rated quantities. Items defined as lump sum can be depicted on plans while allowing contractors to estimate quantities they will require.

5. Contractor requested an additional 63 days be added to the Contract Time for the additional hydraulic dredge work approved in Change Order No. 3. SCI and LDNR declined the request for additional time since the dredging operations were completed in August 1, 2006 and the Contract end date was December 31, 2006. The dredging was completed approximately 5 months prior to the end of the contract time, therefore SCI and LDNR decided the additional dredge material did not influence the Contract Time.

6. **Issue: 3rd Lift Rock Dike Cross Section**

   **Discussion:** After completion of segment 23 and 24 with the 3rd lift cross section as shown on Change Order No. 4 typical section, the side slopes were revised to 2:1 and the crown width was reduced to 2' from 3.50'. Additionally the elevation was reduced from 4.0' to 3.5' for segments 10 through 20.

7. **Issue: Borrow Area Surveys**

   **Discussion:** Borrow area surveys should be conducted prior to excavation on pay by fill dredge projects. Although not needed for payment they will be essential for calculating cut to fill ratios.

8. Contractor requested permission to fill in the no fill zone in the northwest section of the marsh creation area. While marsh fill was being pumped to the northwest segment of the marsh fill the fill began to undermine the internal training dikes around the no fill zone. The internal dikes around the no fill zone could not withstand the pressure of the fill material. The contractor was allowed to fill in the previous no fill zone in the northwest segment of the project area and was paid for the fill in this area under Change Order No. 3.

9. **Issue: Final Cut to Fill Dredging Ratio**

   **Discussion:** Utilizing the as-built in place fill volume within the marsh creation area the cut to fill ratio was 1.10 to 1.00. Utilizing the nine month post construction surveys the cut to fill ratio is 1.65 to 1.00. The low as-built cut to fill ratio is in part due to the short time frame (28 days) for the as-built survey and the lack of dewatering due to the construction methods (no weir boxes, additional containment dikes constructed due to marsh blow outs). The volumes used in the ratio calculations are as follows:

   - Cut Volume: 3,818,213 cy
   - As-built fill volumes: 3,463,089 cy
   - Nine month fill volume: 2,307,462 cy
13. Significant Construction Dates: To be filled out by DNR Construction Project Manager or Contracting Officer for construction for Agency responsible for construction.

<table>
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<tr>
<th>ACTION</th>
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<tr>
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<td>Construction Contract</td>
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<td>Notice to Proceed</td>
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<td>Mobilization</td>
<td>August 4, 2005</td>
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<td>Construction Completion</td>
<td>March 21, 2007</td>
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<td>Final Acceptance</td>
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If different bids are taken, repeat this table to individually reflect each bid and attach tables.

Other significant Project Dates

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<td>Project Implementation closeout**</td>
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<tr>
<td>Start of Preconstruction Monitoring***</td>
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<tr>
<td>Preconstruction Aerial Photography Acquisition***</td>
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<tr>
<td>Monitoring Plan Completion***</td>
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</table>

** Final implementation closeout is made by either the DNR Project Manager or the Federal Agency Contracting Officer depending on which organization had lead role for construction of project.

*** To be completed by DNR Project Manager.
ATTACHMENT V

LITTLE LAKE SHORELINE PROTECTION / DEDICATED DREDGE PROJECT
(BA-37)

AS-BUILT DRAWINGS

Note: Due to size of the file, Appendices from the BA-37 As-Built Drawing are not included in this Plan. The As-Built Drawings can be found on the Document Referencing System as a separate file.
ATTACHMENT VI

LITTLE LAKE SHORELINE PROTECTION / DEDICATED DREDGE PROJECT
(BA-37)

PROJECT PERMITS
&
PERMIT AMENDMENTS
Mr. Richard Hartman  
Chief, Baton Rouge Office  
National Marine Fisheries Service  
Habitat Conservation Division  
c/o Louisiana State University  
Baton Rouge, LA 70803-7535

RE: C200030250, Coastal Zone Consistency Modification  
National Marine Fisheries Service  
Direct Federal Action  
Little Lake Shoreline and Marsh Creation CWPPRA Project BA-37; modification to allow  
material to flow into a ponded area for maximum marsh creation, Lafourche Parish,  
Louisiana

Dear Mr. Hartman:

The above referenced modification has been reviewed for consistency with the approved Louisiana  
Coastal Resource Program (LCRP) as required by Section 307 of the Coastal Zone Management Act  
of 1972, as amended. The project modification, as proposed in the application, is consistent with  
the LCRP.

If you have any questions concerning this determination please contact Brian Marcks of the  
Consistency Section at (225)342-7939 or 1-800-267-4019.

Sincerely,

Jim Rives  
Acting Administrator

JR/JH/bgm  
cc: Venise Ortego, LDWF  
Jess Curole, Lafourche Parish  
Kirk Kilgen, CMD/FC  
Ron Ventola, NOD-COE  
Gregory Grandy, CRD
Mr. Richard Hartman  
Chief, Baton Rouge Office  
National Marine Fisheries Service  
Habitat Conservation Division  
c/o Louisiana State University  
Baton Rouge, LA 70803-7535

RE: C20030250, Coastal Zone Consistency Modification  
National Marine Fisheries Service  
Direct Federal Action  
Little Lake Shoreline and Marsh Creation CWPPRA Project BA-37; modification to add up to  
7,854 ft. of levee containment, Lafourche Parish, Louisiana

Dear Mr. Hartman:

The above referenced modification has been reviewed for consistency with the approved Louisiana Coastal Resource Program (LCRP) as required by Section 307 of the Coastal Zone Management Act of 1972, as amended. The project modification, as proposed in the application, is consistent with the LCRP.

If you have any questions concerning this determination please contact Brian Markes of the Consistency Section at (225)342-7939 or 1-800-267-4019.

Sincerely,

David W. Frugé  
Administrator

DWF/bgm

cc: Fred Dunham, LDWF  
Jess Curole, Lafourche Parish  
Kirk Kilgen, CMD/FC  
Ron Ventola, NOD-COE  
Gregory Grandy, CR.D
DEPARTMENT OF THE ARMY
NEW ORLEANS DISTRICT, CORPS OF ENGINEERS
P.O. BOX 60267
NEW ORLEANS, LOUISIANA 70160-0267
April 21, 2005

REPLY TO
ATTENTION OF:
Operations Division
Central Evaluation Section

SUBJECT: MVN-2004-0058-CR

National Marine Fisheries Service
Attn: Richard Hartman
South Stadium Road
Military Science Room
Baton Rouge, Louisiana 70803-7535

Gentlemen:

Revised drawings attached in twenty-four sheets, furnished with your application dated February 24, 2005, covering modification of the dredged material containment plan and adjustment of the volumetric and physical dimensions of specific elements of the Little Lake Shoreline Protection and Marsh Creation Project (BA-37), near Lafitte, Louisiana, within Lafourche Parish, are approved and will be included in your plans for the work authorized by the Secretary of the Army in permit dated January 5, 2004. These drawings supersede drawings attached to your original permit.

The conditions to which the work is made subject, remain in full force and effect.

If the structure or work authorized is not completed on or before the date herein specified, this authorization, if not previously revoked or specifically further extended, will cease and become null and void.

A copy of this permit approval letter must be conspicuously displayed at the project site. Also, you must keep a copy of this signed letter, with attached drawings, at the project site until the work is completed.

BY AUTHORITY OF THE SECRETARY OF THE ARMY:

[Signature]
Ronald J. Ventola
Chief, Regulatory Branch

for
Peter J. Rowan
Colonel, U.S. Army
District Engineer

RECEIVED
JUN 16 2005
CCO
VICTORY MAP

LITTLE LAKE SHORELINE PROTECTION AND MARSH CREATION

COASTAL ENGINEERING DIVISION

LOUISIANA DEPARTMENT OF NATURAL RESOURCES

INDEX TO SHEETS

Sheet 1 of 24

VICTORY MAP

TYPICAL DETAILS
24
SHEET NO. DESCRIPTION
22
MARSH CREATION CROSS SECTION
21-22
ROCK Dike PHASE VIEW
18-20
ROCK Dike PHASE VIEW
12-17
TYPICAL Dike SECTIONS
11
TYPICAL BAYOU AREA SECTIONS
10
TYPICAL Dike SECTIONS
9
TYPICAL BAYOU AREA SECTIONS
8
TYPICAL Dike SECTIONS
7
TYPICAL BAYOU AREA SECTIONS
6
TYPICAL Dike SECTIONS
5
TYPICAL ACCESS CHANNEL SECTIONS
4
TYPICAL ACCESS CHANNEL SECTIONS
3
TYPICAL ACCESS CHANNEL SECTIONS
2
TYPICAL ACCESS CHANNEL SECTIONS
1
TYPICAL ACCESS CHANNEL SECTIONS
LEGEND

TEMPORARY SOIL
ACCESS CHANNEL

SECTION A-A'

VERTICAL GRAPHIC SCALE

HORIZONTAL GRAPHIC SCALE

NOTES:

1. ACCESS CHANNEL SIDE SLOPS WERE PROVIDED BY

2. SOIL PAINTED THE TEMPORARY STRUCTURE AREA

3. DISTANCE BETWEEN THE TEMPORARY STRUCTURE AND SOUTH SHORELINE CONSTRUCTION

4. Bank Stabilization Elevation:

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Cross Sections
Rock Dike
Little Lake Shoreline Protection
AND MARSH CREATION

Coastal Engineering Division
Louisiana Department of Natural Resources

Legend:
- Existing bottom
- Erosion channel
- Temporary spoil
- Permanent spoil
- Rock dike EL = 2.3'
COASTAL ENGINEERING DIVISION
LOUISIANA DEPARTMENT OF NATURAL RESOURCES

EXISTING BOTTOM
FLUATION CHANNEL
TEMPORARY SPOT
PERMANENT SPOT
ROCK MTC EL-2.5

LEGEND

STA 3173+31

STA 290+00

STA 279+13.18

HORIZONTAL GRAPHIC SCALE

VERTICAL GRAPHIC SCALE
NOT TO SCALE

PERMANENT WARNING SIGN DETAIL

IMPERIAL AND PERMANENT

IMPERIAL AND TEMPORARY WARNING SIGNS SHALL BE INSTALLED AT LOCATIONS SHOWN ON SHEET 7.

NOTES:
1. BLACK LETTERS AND SYMBOLS SHALL BE OF WHITE COLOR. THE LETTERING FIELD WILL BE A REFLECTIVE MATERIAL OF AN ALUMINUM BACKGROUND. THE LETTERING WILL BE A REFLECTIVE MATERIAL OF WHITE COLOR. THE SYMBOLS SHALL BE BLACK.

2. THE SYMBOLS AND LETTERING SHALL BE OF WHITE COLOR. THE LETTERING FIELD WILL BE A REFLECTIVE MATERIAL OF AN ALUMINUM BACKGROUND. THE LETTERING WILL BE A REFLECTIVE MATERIAL OF WHITE COLOR. THE SYMBOLS SHALL BE BLACK.

3. PERMANENT AND TEMPORARY WARNING SIGNS SHALL BE INSTALLED AT LOCATIONS SHOWN ON SHEET 7.

4. CONFORMED TO SD 03-104 OF APR 2004 (4/1/04) WHICH CAN BE OBTAINED FROM THE COASTAL ENGINEERING DIVISION.

5. IMPERIAL WARNING SIGNS WILL BE IN ACCORDANCE WITH 4.9.104 OF SD 03-104 OF APR 2004 (4/1/04)

6. PERMANENT AND TEMPORARY WARNING SIGNS SHALL BE INSTALLED AT LOCATIONS SHOWN ON SHEET 7.

IMPERIAL WARNING SIGN DETAIL

NOT TO SCALE
April 21, 2005

National Marine Fisheries Service
Louisiana State University
Baton Rouge, LA 70803

Attention: Richard Hartman

RE: Water Quality Certification BB 031006-01 /AI 117430 /CER 20030001
Corps of Engineers Permit CR-20-040-0058
Coastal Management Permit C20030250
Tangipahoa Parish

Dear Mr. Hartman,

The Department has received an application for the revision of your Corps of Engineers permit for the Little Lake Shoreline Protection and Marsh Creation Project. The project's goal is to restore some of the natural and man made marsh loss in the Barataria Basin. The location of the project is 9.5 miles Northeast of Gallino, Louisiana.

The requirements for Water Quality Certification have been met in accordance with LAC 33:IX.1507.A-E. Based on the information provided in your application, we have determined that the placement of the fill material will not violate the water quality standards of Louisiana provided for under LAC 33:IX.Chapter 11. Therefore, the Department has no objection to this project.

Sincerely,

Thomas R. Griggs
Engineer Manager
Registrations and Certifications Section

TRG/bb

c: Corps of Engineers, New Orleans, LA
Coastal Management Division-C20030250
Mr. Richard Hartman  
Chief, Baton Rouge Office  
National Marine Fisheries Service  
Habitat Conservation Division  
c/o Louisiana State University  
Baton Rouge, LA 70803-7535

RE: C20030250, Coastal Zone Consistency Modification  
National Marine Fisheries Service  
Direct Federal Action  
Little Lake Shoreline and Marsh Creation CWPPRA Project BA-37; modification involving realignment of access channels and other minor changes, Lafourche Parish, Louisiana

Dear Mr. Hartman:

The above referenced modification has been reviewed for consistency with the approved Louisiana Coastal Resource Program (LCRP) as required by Section 307 of the Coastal Zone Management Act of 1972, as amended. The modification, as proposed in the application, is consistent with the LCRP.

If you have any questions concerning this determination please contact Brian Marcks of the Consistency Section at (225)342-7939 or 1-800-267-4019.

Sincerely,

[Signature]

David W. Frugé  
Administrator

cc: Fred Dunham, LDWF  
Jess Curole, Lafourche Parish  
Kirk Kilgen, CMD/FC  
Ron Ventola, NOD-COE  
Gregory Grandy, CRD
November 12, 2004

Mr. Richard Hartman
Habitat Conservation Division
NOAA Fisheries
c/o Louisiana State University
Baton Rouge, LA 70803

Re: C20030250 Revised, Little Lake Shoreline Protection and Marsh Creation Project (BA-37)

Dear Mr. Hartman:

The professional staff of the Office of Wildlife reviewed your application/request for the above referenced action.

We have no objections.

The Department of Wildlife and Fisheries seeks to work with you in a facilitative manner on this and future such endeavors. Please call my staff should you need further assistance.

Sincerely,

W. Parke Moore III
Assistant Secretary

fod
The following ordinance was presented by Harrison Cheramie, Jr., who moved its adoption, and was seconded by Irvin Melancon, Jr.

ORDINANCE NO. 2

AN ORDINANCE ESTABLISHING THE RULES AND REGULATIONS TO BE FOLLOWED BY ANY INDIVIDUAL, PARTNERSHIP, AGENCY, FIRM OR CORPORATION FOR THE CONSTRUCTION OF ANY STRUCTURE, PERMANENT OR TEMPORARY, OR THE PERFORMANCE OF ANY WORK AFFECTING THE DITCHES, CANALS, BAYOUS, LAKES, STREAMS, RIVERS, AND ALL OTHER BODIES OF WATER WHICH ARE EFFECTED BY THE EBB AND FLOW OF TIDE SITUATED IN THE TENTH WARD OF LAFOURCHE PARISH, LOUISIANA.

BE IT ORDAINED, by the Board of Commissioners of the Greater Lafourche Port Commission:

Section 1. That it shall be unlawful for any individual, partnership, agency, firm or corporation to construct any type of structure, above or below water level, within the canals, bayous, lakes, streams, rivers and all other bodies of water which are effected by the ebb and flow of tide situated in the Tenth Ward of Lafourche Parish, Louisiana, without first securing a "Letter of No Objection" from the Greater Lafourche Port Commission.

Section 2. That it shall be unlawful for any individual, partnership, agency, firm or corporation to conduct seismic operations, geophysical explorations of any kind or character, or logging operations of any kind or character, within the canals, bayous, lakes, streams, rivers and all other bodies of water which are effected by the ebb and flow of tide situated in the Tenth Ward of Lafourche Parish, Louisiana, without first securing a "Letter of No Objection" from the Greater Lafourche Port Commission.

Section 3. An applicant for a "Letter of No Objection" must make application in writing to the Commission office. The application must state the name and address of applicant, his status, and detailed plans or plats, along with specifications of the work proposed to be done. After review by the Board of Commissioners, the applicant shall be given written notice of the acceptance or rejection of his request.

Section 4. The work shall be performed strictly in accordance with the plans and specifications submitted.

Section 5. The applicant shall erect suitable barricades and place suitable lights and warning devices around and in front of this work, whenever it is necessary to protect the traveling public or navigation.

Section 6. That if the display of lights and signals on any work hereby authorized is not otherwise provided for by law, such lights and signals as may be prescribed by the Greater Lafourche Port Commission shall be installed and maintained by and at the expense of the owner.

Section 7. If, in the judgement of the Greater Lafourche Port Commission, the said permittee does not at all times exercise due caution in the handling of oil, gas or other pollutive, noxious, or lethal substances to prevent conditions deleterious to health or seafood, or hazardous to navigation, or dangerous to persons or property engaged in commerce or otherwise on said waters, or fails on demand to remove promptly any structure or structures or parts thereof, no longer used for the purpose for which they are constructed, this "Letter of No Objection" may be revoked and all operations authorized by it may be terminated.

Section 8. That all crossings in all water bottoms are properly back-filled and the fill leveled off and finished to the grade that existed prior to the pipeline construction.
Section 9. Upon completion of the structure, the applicant shall remove from the premises all material left from the construction, all scaffolding, forms, extra excavation, etc., and is to thoroughly clean up and leave the premises in good condition as determined by the Board of Commissioners.

Section 10. That should it become necessary in the future to alter the dimensions or alignments or to construct or deepen, relocate and/or widen the bayous, streams, waters, and existing or proposed channels obstructed by the improvements or permanent fixtures of the applicant, then the applicant, agents and/or assigns, shall promptly make such changes on request of this Commission and shall bear the entire cost of whatever alterations may be necessary for any future improvements for commerce and navigation in the entire port area.

Section 11. This authorization is wholly unconnected and unconcerned with the ownership of or rights in the underlying soil and creates no property rights.

Section 12. Under no condition will the Greater Lafourche Port Commission be responsible for any trespass upon adjacent, or any other property, or any injury thereto, and the applicant shall indemnify the Greater Lafourche Port Commission or any claim for damages made against the Commission arising through the applicants operations.

Section 13. That if any clause, sentence or paragraph or portion of this ordinance shall for any reason, be declared illegal or constitutional, such declaration shall not affect the validity of any other section, sentence, paragraph or portion of this ordinance, which shall remain in full force and effect.

Section 14. That all ordinances, or parts of ordinances in conflict or inconsistent herewith be, and the same are hereby repeated.

This ordinance having been submitted in writing, having been read and adopted by sections at a public meeting of said Commission was then submitted to an official vote as a whole, the vote thereon being as follows:

YEAS: Nolty Theriot, Tomcy Doucet, Irvin Melancon, Jr., Harrison Cheramie, Jr., Adam Gisclair, Jr., and Anson Toups

NAYS: None

ABSENT: Andrew Martin and Loyman Terrebonne

VACANT: One
DEPARTMENT OF THE ARMY  
NEW ORLEANS DISTRICT, CORPS OF ENGINEERS  
P.O. BOX 60267  
NEW ORLEANS, LOUISIANA 70160-0267  

REPLY TO  
ATTENTION OF:  
Operations Division  
Central Evaluation Section  

JAN 5 2004  

SUBJECT: CR-20-040-0058  

National Marine Fisheries Service  
South Stadium Road, Military Science Room  
Baton Rouge, Louisiana 70803-7535  

Gentlemen:  

Enclosed is a permit dated this date, subject as above, authorizing work under the Department of the Army permit program.  

You are again reminded that any work not in accordance with the approved plans is subject to removal regardless of the expense and the inconvenience that such removal may involve and regardless of the date when the discrepancy is discovered.  

Your attention is directed to all the terms and conditions of the approval. In order to have the work approved in accordance with the issued permit, all terms and conditions of the permit and plans shown on the drawings attached thereto must be rigidly adhered to.  

It is necessary that you notify the District Engineer, Attention: Central Evaluation Section, in writing, prior to commencement of work and also upon its completion. The notification must include the permittee's name, as shown on the permit, and the permit number. Please note the expiration date on the permit. Should the project not be completed by that date, you may request a permit time extension. Such requests must be received before, but no sooner than six months before, the permit expiration date and must show the work completed and the reason the project was not finished within the time period granted by the permit.  

A copy of Page 1 of the permit (ENG Form 1721) must be conspicuously displayed at the project site. Also, you must keep a copy of the signed permit at the project site until the work is completed.  

Sincerely,  

[Signature]  
Martin S. Mayer  
Chief, Central Evaluation Section  

Enclosures
DEPARTMENT OF THE ARMY PERMIT

Permittee: National Marine Fisheries Service

Permit No. CR-20-040-0058

Issuing Office: New Orleans District

NOTE: The term "you" and its derivatives, as used in this permit, means the permittee or any future transferee. The term "this office" refers to the appropriate district or division office of the Corps of Engineers having jurisdiction over the permitted activity or the appropriate official of that office acting under the authority of the commanding officer.

You are authorized to perform work in accordance with the terms and conditions specified below.

PROJECT DESCRIPTION: Dredge and deposit earthen material to construct a containment dike and for marsh creation, install and maintain a rock dike, and perform vegetation plantings to implement the Little Lake Shoreline Protection and Marsh Creation Project (BA-37), in accordance with the drawings attached in 23 sheets, dated September 23, 2003.

PROJECT LOCATION: Along the southwest shoreline of Little Lake, near Galliano, Louisiana, in Lafourche Parish.

Permit Conditions:

General Conditions:

1. The time limit for completing the work authorized ends on JANUARY 31, 2009. If you find that you need more time to complete the authorized activity, submit your request for a time extension to this office for consideration at least 1 month before the above date is reached.

2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.

3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and State coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.
4. If you sell the property associated with this permit, you must obtain the signature of the new owner in the space provided and forward a copy of the permit to this office to validate the transfer of this authorization.

5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit. For your convenience, a copy of the certification is attached if it contains such conditions.

6. You must allow representatives from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

Special Conditions: Page (s) 4

Further Information:

1. Congressional Authorities: You have been authorized to undertake the activity described above pursuant to:

   (X) Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403).
   (X) Section 404 of the Clean Water Act (33 U.S.C. 1344).

   Limits of this authorization.
   a. This permit does not obviate the need to obtain other Federal, State, or local authorizations required by law.
   b. This permit does not grant any property rights or exclusive privileges.
   c. This permit does not authorize any injury to the property or rights of others.
   d. This permit does not authorize interference with any existing or proposed Federal project.

3. Limits of Federal Liability. In issuing this permit, the Federal Government does not assume any liability for the following:

   a. Damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes.
   b. Damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest.
   c. Damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit.
   d. Design or construction deficiencies associated with the permitted work.
e. Damage claims associated with any future modification, suspension, or revocation of this permit.

4. Reliance on Applicant's Data: The determination of this office that issuance of this permit is not contrary to the public interest was made in reliance on the information you provided.

5. Reevaluation of Permit Decision. This office may reevaluate its decision on this permit at any time the circumstances warrant. Circumstances that could require a reevaluation include, but are not limited to, the following:

a. You fail to comply with the terms and conditions of this permit.

b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate (See 4 above).

c. Significant new information surfaces which this office did not consider in reaching the original public interest decision.

Such a reevaluation may result in a determination that it is appropriate to use the suspension, modification, and revocation procedures contained in 33 CFR 325.7 or enforcement procedures such as those contained in 33 CFR 326.4 and 326.5. The referenced enforcement procedures provide for the issuance of an administrative order requiring you to comply with the terms and conditions of your permit and for the initiation of legal action where appropriate. You will be required to pay for any corrective measures ordered by this office, and if you fail to comply with such directive, this office may in certain situations (such as those specified in 33 CFR 209.170) accomplish the corrective measures by contract or otherwise and bill you for the cost.

6. Extensions. General condition 1 establishes a time limit for the completion of the activity authorized by this permit. Unless there are circumstances requiring either a prompt completion of the authorized activity or a reevaluation of the public interest decision, the Corps will normally give favorable consideration to a request for an extension of this time limit.

Your signature below, as permittee, indicates that you accept and agree to comply with the terms and conditions of this permit.

\[Signature\] \hspace{2cm} \[Date\]

(PERMITTEE) \hspace{2cm} (DATE)

This permit becomes effective when the Federal official, designated to act for the Secretary of the Army, has signed below.

\[Signature\] \hspace{2cm} \[Date\]

Martin S. Mayer, Chief, Central Evaluation Section

for Peter J. Rowan, District Engineer

When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. To validate the transfer of this permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.

\[Signature\] \hspace{2cm} \[Date\]

(TRANSFEREE) \hspace{2cm} (DATE)
7. The maximum depth of dredging shall not exceed –8-foot N.G.V.D. (no allowable over-cut).

8. The applicant shall notify the New Orleans District, Regulatory Branch (CEMVN-OD-SC) in writing prior to commencement of any dredging activities authorized herein.

9. All pilings, pipes, and associated structures associated with dike construction shall be removed from the site.

10. If the proposed project, or future maintenance work, involves the use of floating construction equipment (barge mounted cranes, barge mounted pile driving equipment, floating dredge equipment, dredge discharge pipelines, etc.), in the waterway, you are advised to notify the Eighth Coast Guard District so that a Notice to Mariners, if required, may be prepared. Notification, with a copy of your permit approval and drawings, should be mailed to the Commander (m), Eighth Coast Guard District, ATTN: Vessel Traffic Management Branch, 501 Magazine Street, New Orleans, Louisiana 70130-3396, about 1 month before you plan to start work. Telephone inquiries can be directed to (504) 589-4686.

11. The permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

12. The permittee shall install and maintain, at the permittee’s expense, any safety lights and signals prescribed by the U.S. Coast Guard, through regulations or otherwise, on the authorized facilities.

13. Your use of the permitted activity must not interfere with the public’s right to free navigation on all navigable waters of the United States.

14. Structures and fill will not be placed on state-owned water bottoms without the approval of the Louisiana Division of Administration, State Land Office. The permittee will be responsible for contacting the State Land Office to ascertain if any structures or fill will be placed on state-owned water bottoms.

15. Maintenance dredging, including dredging for material to maintain project features authorized herein, is approved for a period of ten (10) years from the date of permit issuance. Maintenance operations shall not exceed specifications shown in the permit drawings.

16. The permittee is made aware that any deviation from the permitted project design may require prior review and approval by the District Engineer.
NOTES:
1. Spoil within the temporary stockpile area shall be back-filled into channel prior to project completion leaving the lake bottom within ±0.5' of the pre-construction elevations.
2. See sheet 4 for typical section A-A'.
3. No dredging allowed outside of the borrow area, floatation, and access channel.
4. No portion of any equipment or vessel shall contact the water bottom during transit to and from project site.
5. See sheets 11-16 for locations of temporary spoil.

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL RESTORATION DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

STATE PROJECT NUMBER: BA-37
FEDERAL PROJECT NUMBER: BA-37

DATE: 9/23/03

SHEET 3 OF 23
NOTES
1. ACCESS CHANNEL SIDE SLOPES WERE PROVIDED BY GEOTECHNICAL CONSULTANTS.
2. SPOIL WITHIN THE TEMPORARY STOCKPILE AREA SHALL BE BACK FILLED IN CHANNEL PRIOR TO PROJECT COMPLETION LEAVING THE LAKE BOTTOM WITHIN ±0.5' OF PRE CONSTRUCTION ELEVATIONS.

LEGEND
- ACCESS CHANNEL
- TEMPORARY SPOIL

APPLICATION BY:
National Marine Fisheries Service
South Stadium Road, Military Science Room 266
Baton Rouge, LA 70803-7535

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL RESTORATION DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

LITTLE LAKE SHORELINE PROTECTION AND MARSH CREATION

TYPICAL ACCESS CHANNEL SECTION

STATE PROJECT NUMBER: PM-37
FEDERAL PROJECT NUMBER: DA-17
DATE: 3/31/03

DRAWN BY: KRISTI CANTU
DESIGNED BY: CLARK ALLEN, P.E.
APPROVED BY: CHRIS KNOTTS, P.E.
NOTES
1. FISH DIP SCOUR ROCK SHALL BE INSTALLED FLUSH WITH EXISTING BOTTOM.
2. SEE SHEET 7 FOR SECTION AA-AA' AND BB-BB'.
3. TEMPORARY NAVIGATION SIGNS SHALL BE PLACED 10' LAKeward OF TEMPORARY SPOIL.
SECTION AA- AA'
ROCK DIKE

SECTION BB- BB'
FISH DIP

NOTES
1. FLOATATION SIDE SLOPES WERE GIVEN BY CEGTECHNICAL CONSULTANTS. FLOATATION WILL BE DREDGED AS A BOX CUT.
2. THE SPOIL FROM MAINTENANCE DREDGING SHALL BE PLACED ADJACENT TO THE CHANNEL.
3. SPOIL WITHIN THE TEMPORARY STOCKPILE AREA SHALL BE BACK FILLED IN CHANNEL PRIOR TO PROJECT COMPLETION LEAVING THE LAKE BOTTOM WITHIN ±0.5' OF PRE CONSTRUCTION ELEVATIONS.

APPLICATION BY:
National Marine Fisheries Service
South Stadium Road, Military Science Room 268
Baton Rouge, LA 70803-7535

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL RESTORATION DIVISION
517 North 3rd Street
Baton Rouge, Louisiana 70802

LITTLE LAKE SHORELINE PROTECTION AND MARSH CREATION
STATE PROJECT NUMBER: BA-37

TYPICAL ROCK DIKE SECTIONS
FEDERAL PROJECT NUMBER: BA-37
DATE: 9/23/03

DRAWN BY: KRISTI CANTU
DESIGNED BY: CLARK ALLEN, P.E.
APPROVED BY: CHRIS KNITZ, P.E.

LEGEND
\[\begin{array}{ccc}
\text{FLOATATION CHANNEL} & \text{ROCK DIKE} & \text{GEOTEXILE} \\
\end{array}\]
SECTION B–B'
SEMI-CONFINED MARSH CREATION

SECTION C–C'
CONFINED MARSH CREATION

SECTION D–D'
UNCONFINED MARSH CREATION

SUMMARY OF AVERAGE MARSH ELEVATION

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NOTES
1. DISCHARGE SHALL BE DIRECTED TO RETAIN AS MUCH MATERIAL AS POSSIBLE.
2. NO DISCHARGE POINT SHALL BE WITHIN 500' OF PROJECT BOUNDARY OR ANY BAYOU DEPICTED TO REMAIN INTERTIDAL WITHOUT PRIOR APPROVAL OF THE ENGINEER.
3. APPROXIMATELY 50,000 VEGETATIVE CONTAINERS OF SMOOTH CORDGRASS WILL BE PLANTED WITHIN THE MARSH CREATION AREA. PLANTS WILL BE NURSERY GROWN AND WILL BE MULTI-STEM. VOLUME OF PLANTINGS WITH CONTAINER SOIL IS ESTIMATED TO BE 500 CYS.

LEGEND
- EARTHEEN CONTAINMENT DIKE
- CONTAINMENT DIKE
- BORROW
- FILL AREA

APPLICATION BY:
National Marine Fisheries Service
South Stadium Road, Office Building 266
Baton Rouge, LA 70803-7535

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL RESTORATION DIVISION
617 North 3rd Street
Baton Rouge, Louisiana 70802

LITTLE LAKE SHORELINE PROTECTION AND MARSH CREATION

STATE PROJECT NUMBER: 94-17
FEDERAL PROJECT NUMBER: M-17

DREY 1/2 23
NOTE:
1. APPROXIMATELY 50,000 CONTAINERS OF SMOOTH CORDGRASS WILL BE PLANTED WITHIN THE MARSH CREATION AREA.
2. PLANTS WILL BE NURSERY GROWN AND WILL BE MULTI-STEM.
3. VOLUME OF PLANTINGS WITH CONTAINER SOIL IS ESTIMATED TO BE 600 CY.
4. CONTAINMENT DIKES WILL BE CONSTRUCTED ONLY IN OPEN WATER ALONG PROJECT BOUNDARY. INTERNAL TRAINING DIKES ARE ALLOWED PROVIDED THEY ARE NO HIGHER THAN 2.4' NAVD BB.
5. THE CONTAINMENT DIKES SHALL HAVE A 20' TIE-IN TO EXISTING MARSH AS SHOWN ABOVE.

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL RESTORATION DIVISION
417 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

DATE: 6/23/03
STATE PROJECT NUMBER: BA-37
FEDERAL PROJECT NUMBER: BA-37

DESIGNED BY: CLARK ALLEN, P. E.
APPROVED BY: CHRIS KNOTT, P. E.

DRAWN BY: KRISTI CANTU

LEGEND
EARthen CONTAINMENT DIKE
CONTAINMENT DIKE BORROW
FILL AREA
NOTES:
1. SPACING OF FISH DIPS VARY BETWEEN A MAXIMUM OF 1945' AND A MINIMUM OF 740'.
2. TEMPORARY SPOIL LAKE SIDE OF ROCK DIKE SHALL BE BACK FILLED PRIOR TO COMPLETION OF PROJECT.
3. TIE TO ROCK DIKE WILL BE INSTALLED BY ENDYMON POLYPIPE COMPANY (CEP PERMIT NO. EC-20-020-1632). THE ROCK IS PROPOSED TO BE CONSTRUCTED IN OCTOBER 2003 TO AN ELEVATION OF +2.0' NAVD 88 ALONG THE BANK OF SUPERIOR CANAL.
4. PERMANENT WARNING SIGNS WILL BE LOCATED LAKeward OF ROCK TOE AT EVERY FISH DIP AS SHOWN ON SHEET 6.
5. NO DREDGING ALLOWED WITHIN 50' OF ANY PIPELINE.
6. NO DREDGING OR SPOIL DISPOSAL ALLOWED WITHIN 10' OF ANY EXISTING VEGETATION.
7. THE ALIGNMENT SHOWN IS BASED ON THE CENTERLINE OF THE STRUCTURE BEING PLACED AT AN ELEVATION OF -2.0' NAVD 88. THE ALIGNMENT MAY CHANGE BASED ON THE PRE CONSTRUCTION SURVEY.

APPLICATION BY:
National Marine Fisheries Service
South Stadium Road, Metairie, Louisiana 70003

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL RESTORATION DIVISION
617 North 3rd Street
Baton Rouge, Louisiana 70802

DESIGNED BY: CLARK ALLEN, P. E.
APPROVED BY: CHRIS KNIGHTS, P. E.

LITTLE LAKE SHORELINE PROTECTION AND MARSH CREATION
STATE PROJECT NUMBER: BA-37
FEDERAL PROJECT NUMBER: BA-37

PROJECT PLAN VIEW
DATE: 9/23/03

SHEET 11 OF 23
NOTES
1. SPACING OF FISH DIPS VARY BETWEEN A MAXIMUM OF 1455' AND A MINIMUM OF 740'.
2. TEMPORARY SPOIL LAKE SIDE OF ROCK DIKE SHALL BE BACK FILLED PRIOR TO COMPLETION OF PROJECT.
3. PERMANENT WARNING SIGNS WILL BE LOCATED LAKeward OF ROCK TOE AT EVERY FISH DIP AS SHOWN ON SHEET 6.
4. NO DREDGING ALLOWED WITHIN 50' OF ANY PIPELINE.
5. NO DREDGING OR SPOIL DISPOSAL ALLOWED WITHIN 10' OF ANY EXISTING VEGETATION.
6. THE ALIGNMENT SHOWN IS BASED ON THE CENTERLINE OF THE STRUCTURE BEING PLACED AT AN ELEVATION OF -2.0' NAVD 88. THE ALIGNMENT MAY CHANGE BASED ON THE PRE-CONSTRUCTION SURVEY.
NOTES
1. SPACING OF FISH DIPS VARY BETWEEN A MAXIMUM OF 1495' AND A MINIMUM OF 740'.
2. TEMPORARY SPOIL LAKE SIDE OF ROCK DIKE SHALL BE BACK FILLED PRIOR TO COMPLETION OF PROJECT.
3. PERMANENT WARNING SIGNS WILL BE LOCATED LAKEWARD OF ROCK TOE AT EVERY FISH DIP AS SHOWN ON SHEET 6.
4. NO DREDGING ALLOWED WITHIN 50' OF ANY PIPELINE.
5. NO DREDGING OR SPOIL DISPOSAL ALLOWED WITHIN 10' OF ANY EXISTING VEGETATION.
6. THE ALIGNMENT SHOWN IS BASED ON THE CENTERLINE OF THE STRUCTURE BEING PLACED AT AN ELEVATION OF -2.0 NAVD 88. THE ALIGNMENT MAY CHANGE BASED ON THE PRE CONSTRUCTION SURVEY.

MATCH LINE
STA 200+00

MATCH LINE
STA 170+00

MATCH LINE
STA 230+00

MATCH LINE
STA 240+00

APPLICATION BY:
National Marine Fisheries Service
South Stadium Road, Military Science Bldg 266
Baton Rouge, LA 70803-7335

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL RESTORATION DIVISION
617 North 3rd Street
Baton Rouge, Louisiana 70802

LITTLE LAKE SHORELINE PROTECTION AND MARSH CREATION

DESIGNED BY: CLARK ALLEN, P.E.
APPROVED BY: CURIS KNIGHT, P.E.

PROJECT PLAN VIEW

STATE PROJECT NUMBER: LA 39

M FRIDAY 9/23/83
THURSDAY 9/22/83
NOTES:
1. Spacing of fish dips vary between a maximum of 1495'
   and a minimum of 740'.
2. Temporary spoil lake side of rock dike shall be back
   filled prior to completion of project.
3. Permanent warning signs will be located lake ward of
   rock toe at every fish dip as shown on sheet 6.
4. No dredging or spoil disposal allowed within 10' of any
   existing vegetation.
5. The alignment shown is based on the centerline of the
   structure being placed at an elevation of -2.0' NAVD 88.
   The alignment may change based on the pre-construction
   survey.

LEGEND
- DANGER SIGN
- PIPELINES
- TEMPORARY SPOIL
- TGP TENNESSEE GAS PIPELINE
- BP BRITISH PETROLEUM
- SETTLEMENT PLATE

APPLICATION BY:
National Marine Fisheries Service
South Stadium Road, Military Science Building 266
Baton Rouge, LA 70803-7535

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL RESTORATION DIVISION
517 North 3rd Street
Baton Rouge, Louisiana 70802

LITTLE LAKE SHORELINE PROTECTION
AND MARSH CREATION

PROJECT PLAN VIEW

STATE PROJECT NUMBER: PA-17
FEDERAL PROJECT NUMBER: PA-17

DRAWN BY: KRISTI CANTU
DESIGNED BY: CLARK ALLEN, P.E.
APPROVED BY: CHRIS KNOTTS, P.E.

DATE: 9/23/03
DRAWN: 10/15/03
SECTION 5
LOOKING EAST

CONTAINMENT DIKE
MHW = 1.28'
MLW = 0.67'
TARGET EL. OF 2.1' ± 0.3'

BORROW AREA
EXISTING BOTTOM
BORROW AREA

ELEVATION (FT. NAV 88)

SECTION 6
LOOKING EAST

MHW = 1.28'
MLW = 0.67'
TARGET EL. OF 2.1' ± 0.3'

EXISTING BOTTOM

ELEVATION (FT. NAV 88)

SECTION 7
LOOKING EAST

MHW = 1.28'
MLW = 0.67'
TARGET EL. OF 2.1' ± 0.3'

EXISTING BOTTOM

ELEVATION (FT. NAV 88)

SECTION 8
LOOKING EAST

TARGET EL. OF 2.1' ± 0.3'

ELEVATION (FT. NAV 88)

SECTION 9
LOOKING EAST

TARGET EL. OF 2.1' ± 0.3'

ELEVATION (FT. NAV 88)

SECTION 10
LOOKING EAST

TARGET EL. OF 2.1' ± 0.3'

ELEVATION (FT. NAV 88)

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL RESTORATION DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

LITTLE LAKE SHORELINE PROTECTION
AND MARSH CREATION

MARSH CREATION CROSS SECTION

STATE PROJECT NUMBER: BA-37
DATE: 9/23/03
FEDERAL PROJECT NUMBER: BA-37

DRAWN BY: KRISTI CANTU
DESIGNED BY: CLARK ALLEN, P.E.
APPROVED BY: CHRIS KNOTTS, P.E.

SHEET 21 OF 23
NOTES:
1. TWENTY-ONE PERMANENT AND TWENTY-ONE TEMPORARY WARNING SIGNS SHALL BE INSTALLED AT LOCATIONS STATED ON SHEET 6.
3. NEOPRENE WASHERS SHALL BE PLACED BETWEEN THE SIGN AND THE PILING AT ALL POINTS OF CONTACT.
4. HARDWARE FOR TIMBER CONNECTIONS SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH SECTION 811.5 OF LOUISIANA STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, AS PUBLISHED BY THE LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT, LATEST EDITION.
5. TIMBER PILES SHALL CONFORM TO SECTIONS 804 AND 1014 OF THE LOUISIANA STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, AS PUBLISHED BY THE LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT, LATEST EDITION. PILES SHALL BE TREATED WITH A CRESOTETE SOLUTION CONFORMING TO APA P2 TO A MINIMUM RETENTION OF 16 P P C AND CAPPED ACCORDING TO LA DOTD SPECIFICATION 812.06.
6. THE CONTRACTOR HAS THE OPTION OF USING A 30\texttimes 4" SCHEDULE 40 METAL PIPE OR OTHER APPROVED MATERIAL FOR TEMPORARY SIGNS.
7. TIMBER PILES SHALL BE 30 FEET IN LENGTH WITH A NOMINAL 12-INCH DIAMETER BUTT AND 7-INCH MINIMUM DIAMETER AT THE TIP.
8. THE TEMPORARY SIGNS SHALL BE INSTALLED AT NO DIRECT PAY.
9. TEMPORARY WARNING SIGNS SHALL HAVE THE SAME COLORING AND REFLECTIVE TAPE AS PERMANENT SIGNS BUT CONSTRUCTED WITH 3/4" SIGN GRADE PLYWOOD.
10. THE SUPPORTS FOR THE TEMPORARY SIGNS SHALL BE REMOVED TO 5' BELOW MUD LINE OR REMOVED COMPLETELY AFTER PERMANENT SIGNS ARE ACCEPTED.

APPLICATION BY:
Holland Marine Fatales Service
South Stadium Road, Military Science Room 286
Baton Rouge, LA 70803-7535

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL RESTORATION DIVISION
817 North 3rd Street
Baton Rouge, Louisiana 70802

DESIGNED BY: CLARK ALLEN, P.E.
APPROVED BY: CHRIS KNOTTS, P.E.

LITTLE LAKE SHORELINE PROTECTION AND MARSH CREATION
STATE PROJECT NUMBER: BA-37
FEDERAL PROJECT NUMBER: BA-37
DATE: 9/23/03

SIGN DETAILS
SHEET 22 OF 23
SETTLEMENT PLATE NOTES:
1. SETTLEMENT PLATES SHALL BE INSTALLED ALONG THE CENTERLINE OF THE BREAKWATER AS SHOWN ON SHEETS 11-16.
2. THE SETTLEMENT PLATES SHALL BE SURVEYED DAILY BY THE CONTRACTOR AND WITNESSED BY THE DNR INSPECTOR UNTIL THE ROCK IS ACCEPTED.
3. SETTLEMENT PLATES SHALL BE BUILT USING ASTM A36 STEEL AND HOT-DIPPED GALVANIZED AFTER FABRICATION.
MEMORANDUM FOR: John D. Foret, Ph.D.
SEFSC/Estuarine Habitats & Coastal Fisheries Center

FROM: Roy E. Crabtree, Ph.D. Regional Administrator

SUBJECT: Section 7 Consultation Regarding the Little Lake Shoreline Protection/Dedicated Dredging Project Near Round Lake in Louisiana (I/SER/2003/00894)

This is in response to your June 26, 2003 letter and accompanying information requesting section 7 consultation from NOAA Fisheries' Protected Resources Division (PRD), pursuant to the Endangered Species Act of 1973 (ESA). The project involves protecting, nourishing, and creating wetlands in the southwestern area of Little Lake in the Barataria Basin, Lafourche Parish, Louisiana. The project involves dredging and creating a rock dike. The applicant indicated that the project will not likely adversely affect listed species. As discussed below, this consultation concurs with the conclusion that ESA-listed species and critical habitat under NOAA Fisheries' jurisdiction are not likely to be adversely affected by the proposed action. Please refer to consultation number I/SER/2003/00894 in future correspondence on this project.

The project is located approximately one-third of the distance between Lake Salvador and Barataria Pass in the southern half of Barataria Basin. Little Lake is a large estuarine circulation system with brackish water.

Your office provided us with a copy of the report "Environmental Assessment of Little Lake Shoreline Protection/Dedicated Dredging Near Round Lake; CWPPRA Project BA-37," prepared by GOTECH, Inc. The Preferred Alternative involves dredging (bucket or hydraulic) 90 acres of water bottom; constructing a 22,200 foot (43 acre) rock dike in order to prevent erosion along 4 miles of shoreline; creating 551 acres of intertidal wetlands; nourishing and maintaining 406 acres of intermediate marsh by placing 6-12 inches of dredged material on top; dredging 1,300 acres of Little Lake to use as fill using a bucket dredge or hydraulic pipeline dredge; planting smooth cordgrass; constructing retention dikes along selective portions of the perimeter; and reducing land loss rates by 50 percent over the 20-year life of the project. The project will also involve fish gaps in the rock dike to allow for marine organism passage.
ESA-listed species under the purview of NOAA Fisheries which are often found near the project location in the Gulf of Mexico include the green (Chelonia mydas), loggerhead (Caretta caretta), Kemp’s ridley (Lepidochelys kempi), leatherback (Dermochelys coriacea), and hawksbill (Eretmochelys imbricata) sea turtles. The EA describes the project area as not providing suitable forage or habitat for sea turtles. Additionally, dredging activity conducted by bucket or hydraulic dredge has not been shown to adversely affect sea turtles, which are highly mobile and will likely be frightened away from the project area by dredging activity and noise (August 29, 1997, Biological Opinion to the U.S. Army Corps of Engineers, South Atlantic Division). Therefore, sea turtles are not likely to be adversely affected by this project.

The project area is not within green turtle, hawksbill turtle, or leatherback turtle critical habitat and therefore the project will not destroy or adversely modify designated critical habitat for these species.

The threatened Gulf sturgeon is managed jointly by NOAA Fisheries and the U.S. Fish and Wildlife Service. Historically, Gulf sturgeon occurred from the Mississippi River to Tampa Bay; sporadic occurrences have been recorded as far west as the Rio Grande River, and as far east and south as Florida Bay. There are no occurrence records of Gulf sturgeon in Little Lake. If Gulf sturgeon were present during the project, because of their mobility, they should be able to avoid the slow moving dredge equipment when they detect the approaching draghead. Therefore, Gulf sturgeon are not likely to be adversely affected by this project.

Gulf sturgeon critical habitat was designated March 19, 2003 (68 FR 13370). Because the project area is not within designated Gulf sturgeon critical habitat, the project will not destroy or adversely modify designated critical habitat for this species.

The action agency is also reminded that, in addition to its protected species/critical habitat consultation requirements with PRD pursuant to section 7 of the ESA, prior to proceeding with the proposed action the action agency must also consult with NOAA Fisheries’ Habitat Conservation Division (HCD) pursuant to the Magnuson-Stevens Fishery Conservation and Management Act’s requirements for essential fish habitat (EFH) consultation (16 U.S.C. 1855 (b)(2) and 50 CFR 600.905-.930, subpart K). The action agency should also understand the ESA and EFH processes; that ESA and EFH consultations are separate, distinct, and guided by different statutes, goals, and time lines for responding to the action agency; and that the action agency will receive separate consultation correspondence on NOAA Fisheries letterhead from HCD regarding their concerns and/or finalizing EFH consultation. Consultation is not complete until EFH and ESA concerns have been addressed. If you have any questions about EFH consultation for this project, please contact Mr. Richard Hartman, HCD, at (225) 389-0508.

Based on your description of the proposed activity and your commitment to protect federally-listed species, we concur with your determination that this project will not likely adversely affect federally-listed species or designated critical habitat under NOAA Fisheries’ purview. We believe that the requirements of section 7 of the ESA have been satisfied and no further consultation is required. However, obligations under section 7 of the Act must be reconsidered if: (1) there is a take; (2) new information reveals impacts of the identified action that may affect listed species or critical habitat in a manner not previously considered; (3) this action is subsequently modified in a
manner which was not considered in this assessment; or (4) a new species is listed or critical
habitat designated that may be affected by the identified action.

If you have any questions about this ESA consultation, please contact Ms. Jennifer Jacukiewicz,
natural resource specialist, at the number listed above or by e-mail at
Jennifer.Jacukiewicz@noaa.gov.

cc: F/PR3
    F/SER44 - R. Hartman

File: 514-22f.1 (LA)

o:\section7\informal\00894 little lake dredge shoreline protection.wpd
State of Louisiana

DEPARTMENT OF NATURAL RESOURCES

November 26, 2003

Mr. Richard Hartman
Chief, Baton Rouge Office
National Marine Fisheries Service
Habitat Conservation Division
c/o Louisiana State University
Baton Rouge, LA 70803-7535

RE: C20030250, Coastal Zone Consistency
    National Marine Fisheries Service
    Direct Federal Action
    Little Lake Shoreline and Marsh Creation CWPPRA Project BA-37
    Lafourche Parish, Louisiana

Dear Mr. Hartman:

The above referenced project has been reviewed for consistency with the approved Louisiana Coastal Resource Program (LCRP) as required by Section 307 of the Coastal Zone Management Act of 1972, as amended. The project, as proposed in the application, is consistent with the LCRP.

If you have any questions concerning this determination please contact Brian Marcks of the Consistency Section at (225)342-7939 or 1-800-267-4019.

Sincerely,

[Signature]
David W. Frugé
Administrator

DWF/bgm
cc: Fred Dunham, LDWF
    Jess Curole, Lafourche Parish
    Kirk Kilgen, CMD/FC
    Ron Ventola, NOD-COE
    Gregory Grandy, CRD

COASTAL MANAGEMENT DIVISION  P.O. BOX 44487  BATON ROUGE, LOUISIANA 70804-4487
TELEPHONE (225) 342-7591  FAX (225) 342-9439
AN EQUAL OPPORTUNITY EMPLOYER
ATTACHMENT VII

LITTLE LAKE SHORELINE PROTECTION / DEDICATED DREDGE PROJECT
(BA-37)

OPERATION, MAINTENANCE, AND REHABILITATION BUDGET
ATTACHMENT VII

OPERATION AND MAINTENANCE BUDGET

BA-37 LITTLE LAKE SHORELINE PROTECTION & DEDICATED DREDGING

FEDERAL SPONSOR: National Marine Fisheries Service

PROJECT FEATURES

- 26,000 linear feet of rock dike shoreline protection
- 25 warning signs
- 920 acres marsh creation/nourishment

OPERATION AND MAINTENANCE / REHABILITATION ASSUMPTIONS

The operation, rehabilitation budget for the Little Lake Shoreline Protection & Dedicated Dredging Project (BA-37) was based on the following assumption:

Years 1 through 20 - Perform annual project inspections.

Years 1, 2, 3, 4, 5, 10, and 15 - Perform survey of the marsh creation area and rock dike settlement plates.

Year 5 - Assume 1.5 foot lift of rock rip-rap will be required along entire length of rock dike with estimated quantity of 45,000 tons.

Year 14 - Replace warning signs.

OPERATION AND MAINTENANCE CONSIDERATIONS

(Based on a 20 year project life; costs include inflation)

A. ANNUAL INSPECTIONS: $132,653
   (1-day field trip including federal participant, boat, equipment, and report)

B. ANNUAL COST OF OPERATIONS: $0
   (No operations required for this project)

C. PREVENTATIVE MAINTENANCE $0

D. COSTS FOR SURVEYS AT YEARS 1-5, 10, & 15 (2008-12, 2017, & 2022): $398,335

   1. Survey Marsh Creation Area & Rock Dike Settlement Plates $ 45,000
(2007 price level)

2. DNR Administration  $ 2,000
                             $ 47,000

(Begin in 2008 with annual inflation rate of 3.2%)

Year 1 ($42,000 x 1.0320)   $48,504
Year 2 ($42,000 x 1.0650)   $50,055
Year 3 ($42,000 x 1.0991)   $51,658
Year 4 ($42,000 x 1.1343)   $53,312
Year 5 ($42,000 x 1.1706)   $55,019
Year 10 ($42,000 x 1.3702)  $64,399
Year 15 ($42,000 x 1.6040)  $75,388

E. COSTS FOR MAINTENANCE PROJECT AT YEAR 5 (2012)

Construction:

1. Mobilization/Demobilization  $ 200,000
   (200,000)

2. Access & Flotation  $1,000,000
   (1,000,000)

3. Recap rock dike
   (45,000 tons @ $65/ton)
   $2,925,000

Construction Total:  $4,125,000

Contingency (25%)  
   $1,031,250
   $5,156,250

Total construction cost (2007 price level)  $2,354,800
+ inflation (1.1706)(5 years @ 3.2%)

4. LDNR Administration  $ 193,140
   (4% Const x 1.1706)

5. Engineering Consultant Design, Survey and Inspection:  $ 577,560
Basic Services: $384,410  
((Constr. Costs + Cont.) x 6.37% x 1.1706)

Surveying: $14,050  
(3 days @ $2,000/day x 1.1706)

Construction Inspection: $136,960  
(1800 hrs @ 65$/hr x 1.1706)

Construction Administration: $28,090  
(200 hrs @ $120/hr x 1.1706)

As-built Survey: $14,050  
(3 days @ $2,000/day x 1.1706)

6. NMFS Administration $156,390  
(3% (Constr. + E&D) x 1.1706)

TOTAL COST FOR MAINTENANCE AT YEAR 5 (2012) $6,962,890

F. COSTS FOR MAINTENANCE PROJECT AT YEAR 14 (2021)

Construction:

1. Mobilization/Demobilization $20,000
   ($20,000)

2. Warning Signs $50,000
   (25 @ $2,000/EA)

Construction Total: $70,000

Contingency (25%) $17,500
$87,500

Total construction cost (2007 price level) $135,990
+ inflation (1.5542)(14 years @ 3.2%)

5. LDNR Administration $4,350
   (4% Const x 1.5542)

Basic Services: $11,760
((Constr. Costs + Cont.) x 8.65% x 1.5542)

Construction Inspection: $6,060
(60 hrs @ 65$/hr x 1.5542)

Construction Administration: $3,730
(20 hrs @ $120/hr. x 1.5542)

As-built Survey: $3,110
(1 day @ $2,000/day x 1.5542)

7. NMFS Administration $3,620
(3% (Constr. + E&D) x 1.5542)

<table>
<thead>
<tr>
<th>TOTAL COST FOR MAINTENANCE AT YEAR 14 (2021)</th>
<th>$168,620</th>
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</thead>
</table>

G. ANNUAL NMFS ADMINISTRATION COSTS: $30,898

**OPERATION, MAINTENANCE AND REHABILITATION (O&M) BUDGET SUMMARY – BA-37 LITTLE LAKE**

Total Estimated O&M Budget: $7,693,396
CWPPRA Approved O&M Budget: $4,605,045
**Year 5 Maintenance- Rock Quantity Assumptions/Calculations**

**Rock Dike:** Assume a 1.5’ lift on all segments 1 through 24 or approximately 26,000 linear feet of rock dike. Use the third construction lift for estimating as it was appx. 1.5’ lift totaling 30,000 tons over 17,300 linear feet. Use Tons per LF from third lift to estimate rock quantity required.

\[
26,000 \text{ LF} \times 30,000 \text{ Tons} \div 17,300 \text{ LF} =
\]

Rock Quantity: \textbf{45,000 tons}
**Annual Inspections**: Beginning in 2008 (Year 1 after Construction) including inflation

<table>
<thead>
<tr>
<th>Year</th>
<th>Base Cost</th>
<th>Inflation Factor</th>
<th>Final Cost</th>
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<tbody>
<tr>
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<td>$3,880</td>
<td>1.2467</td>
<td>$4,837</td>
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<tr>
<td>2009</td>
<td>$3,880</td>
<td>1.2866</td>
<td>$4,992</td>
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<td>2010</td>
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<td>2027</td>
<td>$3,880</td>
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<td>$8,800</td>
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**Annual Inspections** $132,653
**Annual NMFS Admin Costs**: (Beginning in 2008 including inflation)

*Excludes Years 5 and 14 as Admin is included in the Maintenance Projects.

<table>
<thead>
<tr>
<th>Year</th>
<th>Annual NMFS Admin Costs</th>
<th>Annual Inflation Rate</th>
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<td>1</td>
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<td>3</td>
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<td>7</td>
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<tr>
<td>20</td>
<td>($1,000 x 2.2682)</td>
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*Annual Admin Costs obtained from NMFS, Inflation Rate from Little Lake O&M Cost spreadsheet for NMFS PPL11 projects @ 2001 price level*

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<th>Year</th>
<th>Annual NMFS Admin Costs</th>
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<td>1</td>
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**Annual NMFS Admin Costs** $30,898
**Project Name:** Little Lake Shoreline Protection and Dedicated Dredging  
**Project Number:** BA-37  
**O&M Budget:** $7,693,396

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**Projected Grand Total: $7,693,396.00**

**Projected - Running Total:**

**Remaining Budget:**

**Actual Expenditures:**

**Actuals - Running Total:**

**Remaining Budget:**

**Notes:**
1. Includes survey of Rock Dike Settlement Plates
2. Includes LDNR Admin Costs

OMI BA37 O&M Timeline.xls 6/26/2008 11:03 AM
ATTACHMENT VIII

LITTLE LAKE SHORELINE PROTECTION / DEDICATED DREDGE PROJECT
(BA-37)

OPERATION OF STRUCTURES
ATTACHMENT IX

LITTLE LAKE SHORELINE PROTECTION / DEDICATED DREDGE PROJECT
(BA-37)

ANNUAL INSPECTIONS

The purpose of the annual inspections is to inspect and evaluate the condition of all project features to determine if structures are operating correctly and identify any deficiencies that may require maintenance. An annual inspection report outlining these field observations will be drafted by LDNR. This report shall include the type of structure and description, date and time of inspection, personnel present for inspection, weather conditions, water levels at the time of inspection, general condition of and any observed damages to structures.

In the case of severe storms and tidal events, additional inspections may be required during the annual inspection period to assess potential damage from such weather events.