

**OPERATION, MAINTENANCE, REPAIR, REPLACEMENT AND REHABILITATION
PLAN**

FOR THE

WEST BELLE PASS HEADLAND RESTORATION PROJECT (TE-23/PTE-27)

The Louisiana Department of Natural Resources (LDNR) and the United States Army Corps of Engineers (USACE) agree to carry out the terms of this Operation, Maintenance, Repair, Replacement and Rehabilitation Plan (hereinafter referred to as the "plan") for the accepted completed project features of the captioned project in accordance with the Cost Sharing Agreement, signed on December 27, 1996, as amended, for this project. The project features covered by this plan are inclusive of and are identified as the West Belle Pass Headland Restoration Project (TE-23/PTE-27). This plan does not address any biological monitoring. LDNR is responsible for biological monitoring of the project. Biological monitoring shall be conducted in accordance with the terms and provisions of the Biological Monitoring Plan, which is a separate agreement.

1. PROJECT DESCRIPTION AND LOCATION

The West Belle Pass Headland Restoration Project is located in Lafourche Parish, Louisiana. The project area is bordered by Timbalier Bay on the west, Bayou Lafourche and West Belle Pass to the east, and the Gulf of Mexico to the south. It is located in the Terrebonne Basin. The purpose of the West Belle Pass Headland Restoration Project was to create approximately 184 acres of wetlands through the deposition of sediments dredged from Bayou Lafourche and Belle Pass into the canals and shallow bays of the project area. To protect the project area, approximately 17,000 linear feet of foreshore rock was placed along the west bank of Belle Pass from BL ST 66+00 (approximately 4200 ft. north of Evans Canal) south to the land end of the west jetty. The project also included a submerged rock weir (2 ft. thick rock lining), approximately 40 ft. wide, at the east end of Evans Canal in line with the foreshore rock protection along the west side of Belle Pass. The project has a twenty-year economic life, which began in July of 1998.

2. AUTHORIZATION

Construction of the project 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. The West Belle Pass Headland Restoration Project was approved on the second Priority Project List.

3. PERTINENT INFORMATION

Wetlands in their natural state are among the most productive areas on earth, and they are central to the culture and development of south Louisiana. The Coastal Wetlands Planning, Protection, and Restoration Act provides a substantial federal commitment to help Louisiana save its coastal wetlands. The wetlands are a fragile environment, which is disappearing at a rate of over 25 square miles of marsh a year in Louisiana, which is 80 percent of the nation's annual coastal wetland loss. The wetlands provide many benefits including commercial and recreational value, wildlife habitat, wintering habitat for millions of the continent's migratory ducks and geese, nursery habitat for one of America's largest fish and shellfish harvests, erosion control, flood protection and acting as storm buffers. Additionally, the wetlands help maintain water quality.

4. PROJECT HISTORY AND PURPOSE

Historically, Bayou Lafourche carried approximately 12% of the Mississippi River flow until it was closed at Donaldsonville, Louisiana in 1904 as a flood protection project. No Mississippi River water was input into Bayou Lafourche until 1955, when pumps were installed at Donaldsonville, maintaining a flow of 260 cu. ft./sec. of River water into Bayou Lafourche. In 1939, jetties were constructed at the mouth of Belle Pass in accordance with the River and Harbor Act of 1935. The River and Harbor Act of 1960 provided for the restoration and extension of the jetties and dredging the channel to a depth of 12 ft. The Greater Lafourche Port Commission obtained a permit from the U.S. Army Corps of Engineers to dredge the channel to a depth of 20 ft. and 300 ft. wide. This work was completed in 1968. Wave action from boat traffic has been eroding the banks of Bayou Lafourche and West Belle Pass. Timbalier Bay was encroaching into the marshes on the west side of Bayou Lafourche and West Belle Pass. Additionally, openings along the banks of Bayou Lafourche and West Belle Pass were causing tidal scour in the interior marshes of the project area. If allowed to continue to erode, West Belle Pass and Timbalier Bay would have joined through the marshes. The purpose of the project was to take action to protect and restore the interior marshes and to reduce the shoreline erosion along the west bank of Bayou Lafourche and West Belle Pass. The specific plan

objectives were:

- 1) Use dedicated dredge materials to create and restore approx. 184 acres of wetlands within the interior of the project area to prevent West Belle Pass and Timbalier Bay from joining.
- 2) Construct closures and control channel cross sections to reduce the rate of tidal exchange to allow the created and existing wetlands to stabilize.
- 3) Reduce the shoreline erosion along the west bank of Bayou Lafourche and West Belle Pass by installing approx. 17,000 linear feet of foreshore rock.

5. CONSTRUCTION HISTORY

The narrative completion report is presented in Appendix A along with the "as built" project plans. A summary of the significant events is provided here. The construction contract was awarded to T. L. James Construction Co. for the amount of \$4,112,711 in January, 1998. Construction commenced in February, 1998 and was completed in July, 1998. The contract was modified resulting in an actual, as constructed, price of \$4,216,739.

6. FUNDING FOR OPERATION, MAINTENANCE, REPAIR, REHABILITATION AND REPLACEMENT WORK, BASED ON THE COST SHARING AGREEMENT

The Louisiana Department of Natural Resources and the United States Army Corps of Engineers entered into a Cost Sharing Agreement for this project on December 27, 1996, as required by Public Law 99-662, as amended. A cost sharing agreement amendment was signed on May 27, 1998. In accordance with the terms and provisions of the Cost Sharing Agreement, as amended, USACE agrees to provide a total contribution equal to the Federal share of the amount outlined in Article XX of the Cost Sharing Agreement, as amended, for the operation and maintenance phase of the project implementation. Likewise, in accordance with the terms and provisions of the Cost Sharing Agreement, as amended, LDNR agrees to provide a total contribution equal to the non-Federal share of the amount outlined in Article XX of the Cost Sharing Agreement, as amended, for the operation and maintenance phase of the project implementation. A copy of the duly executed Cost Sharing Agreement, as amended, is included as Appendix B of this plan.

7. RESPONSIBILITY FOR OPERATION, MAINTENANCE, REPAIR,

REHABILITATION AND REPLACEMENT WORK

LDNR will, in accordance with the Cost Sharing Agreement, as amended, and this document, assume all responsibilities for maintenance and rehabilitation of the accepted completed project features as described herein, except as otherwise noted herein to be the responsibility of USACE.

8. OPERATION PLAN

No project features, as described herein, will require any operation.

9. MAINTENANCE AND REHABILITATION PLAN

The intention of the provisions of this plan is to maintain this project in a condition that will generally provide the anticipated benefits that the project was based on. Work performed will normally be the minimum needed to accomplish this objective. There is no requirement that the project function to any standard beyond its economic life, except that it is not left as a hazard to navigation or a detriment to the environment. The steps to be taken in executing this plan are outlined below.

(a). SURVEILLANCE AND REPORTING

LDNR will perform visual inspections after major storm events, or at least once every four years and additionally as determined necessary by LDNR and USACE. If damage is apparent, LDNR and USACE will assign a team to perform a detailed inspection and report on the findings. The inspection team will normally be comprised of two representatives of LDNR and one representative of USACE. The team will make use of any applicable existing data pertaining to the condition of the project such as data generated by biological monitoring, aerial photography, etc. The team will document the condition of the project features and may employ a survey party to make detailed measurements of the rock dike. LDNR will prepare a report detailing the condition of the project features, based on the team's input, and providing recommendations for corrective action if required. If corrective action is needed, the report will include a scope of work and a cost estimate addressing engineering & design, supervision & inspection, construction and contingencies required to perform the needed repairs.

(b). REPORT AND APPROVAL AND FORMULATION OF THE CORRECTIVE ACTION PLAN

CWPPRA WEST BELLE PASS HEADLAND RESTORATION OMRR&R PLAN

LDNR shall submit the report to USACE for review and approval of the corrective action plan. USACE will review the report and approve the plan or provide comments and suggested changes to LDNR. In the event of unresolved differences between the State and Federal partners, these differences shall be resolved in accordance with Article VII (Disputes) of the Cost Sharing Agreement, as amended.

(c). PREPARATION OF A CONTRACT (PLANS & SPECIFICATIONS) TO PERFORM CORRECTIVE ACTION

Upon approval of a corrective action plan by the USACE, LDNR shall prepare plans and specifications to perform the work. USACE may participate with LDNR in the engineering and design in an advisory capacity or to provide some or all of the work as agreed upon by USACE and LDNR. LDNR shall provide USACE with final plans and specifications for review and approval. Both LDNR and USACE shall approve any plan and/or specification changes both before and after award of construction contracts.

(d). CONSTRUCTION

After approval of the plans and specifications by USACE, the project shall be advertised for bids by LDNR according to LDNR standard practices for competitive bidding. Inspection and monitoring of construction for compliance with the plans and specifications shall be done by LDNR.

10. REGULATORY REQUIREMENTS

All applicable regulatory requirements, laws and permits will be observed and followed.

11. COST ESTIMATE

The current fully funded estimated cost for the maintenance, repair, rehabilitation and/or replacement of the accepted completed project features for the twenty-year project life is \$434,475. Increases or decreases in the estimated cost for the maintenance, repair, rehabilitation and/or replacement of the project features will be incorporated into this plan, by addendum, after such increases or decreases are approved as outlined in Article XX of the Cost Sharing Agreement. The basis of the current cost estimate is summarized in Appendix C.

The undersigned parties, acting on behalf of their respective agencies, agree to operate, maintain, repair, rehabilitate and/or replace the project features of the West Belle Pass Headland Restoration Project (TE-23/PTE-27) according to the plan presented herein, the Cost Sharing Agreement, as amended, and all applicable permits and laws.

THE DEPARTMENT OF THE ARMY

BY: 

Richard P. Wagenaar
Colonel, U.S. Army
District Engineer

DATE: NOV 14 05

WITNESS: 

Fay B. Browning

THE STATE OF LOUISIANA

BY: 

Scott Angelle
Secretary
Louisiana Department
of Natural Resources

DATE: 8-18-05

WITNESS: 

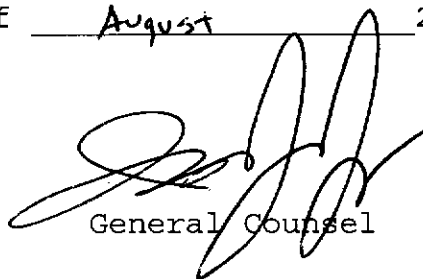
Gilene C. Sanders
Doneli R. Ger

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CERTIFICATE OF AUTHORITY

I, ISAAC JACKSON, JR., do hereby certify that I am the principal legal officer of the Department of Natural Resources for the State of Louisiana, that the Department of Natural Resources for the State of Louisiana is a legally constituted public body with full authority and legal capability to perform the terms of the Operation, Maintenance and Rehabilitation Plan between the Department of the Army and the State of Louisiana in connection with the CWPPRA West Belle Pass Headland Restoration Project, Lafourche Parish, Louisiana, and that the persons who have executed this Plan on behalf of the State have acted within their statutory authority.

IN WITNESS WHEREOF, I have made and executed this certification this 19th day of August 2005.



General Counsel

Appendix A

CWPPRA WEST BELLE PASS HEADLAND RESTORATION PROJECT

Narrative Completion Report
and
As-Built Drawings

CWPPRA WEST BELLE PASS HEADLAND RESTORATION OMRR&R PLAN

CEMVN-CD-LA
 MEMORANDUM THRU Domingo Elizuable (AREA ENGINEER)
 Phil Brouillette (PROJECT ENGINEER) *PFB*

SUBJECT: Narrative Completion Report, Contract DACW29-98-C-0015
 Coastal Wetlands Planning, Protection and Restoration Act,
 West Belle Pass Headland Restoration, Federal Project No. FM-215,
 State Project No. TE-23, Lafourche Parish, Louisiana

A. SIGNIFICANT DATES / NUMBERS

Contract Award: 11 June 1998
 Preconstruction Conference: 10 February 1998
 Acknowledge NTP: 10 February 1998
 Original Completion Date: 18 October 1998
 Revised Completion Date: 20 October 1998
 Commencement Date: 13 August 1998
 Actual Completion Date: 14 June 1998
 Original Contract Amount: \$ 4,834,155.00
 Revised Contract Amount: \$

B. Prime Contractor: T. L. James & Co. Inc. Est. % Work 54.2 %

Sub-Contractors: Wilco March Buggies Inc. & : Est. % Work 8.80%
 C.F. Beam Inc.
 Lahr Bros. Inc. : Est. % Work 37.0 %

C. ITEMS OF WORK

	EST. QUAN/UNIT	UNIT PRICE	EST. AMOUNT
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0001- MOB DE-MOB	LS	600,000.00	600,000.00
0002- RETENTION DIKES CLOSURES CONST.	LS	425,000.00	425,000.00

0003- FORESHORE PROTECTION GULF TO EVANS CANAL

0003AA- ARMOR STONE (First 28,100 tons)	28,100 TONS	28.35	796,635.00
0003AB- ARMOR STONE (All over 28,100 tons)	7,000 TONS	23.10	161,700.00
0003AC- FLOTATION EXCAVATION	16,400 CY	6.30	103,320.00
0003AD- GEOTEXTILE	36,700 SY	3.68	135,056.00

0004 OPTION - FORESHORE PROTECTION (EVAN'S CANAL TO R/L STA. 66+00)

0004AA- ARMOR STONE (First 8800 tons)	8,800 TONS	31.50	277,200.00
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SUBJECT: Narrative Completion Report, Contract DACW29-98-C-0015
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0004AB-ARMOR STONE (All over 2800 tons)	2,200 TONS	23.10	50,820 00
0004AC- FLOTATION EXCAVATION	4,200 CY	4.20	17,640 00
0004AD-GEOTEXTILE	13,800 SY	3.68	50,784 00
0005 - SETTLEMENT PLATES	LUMP SUM	LS	21,000 00
0006--- WETLAND RESTORATION	2.0 MIL CY	0.94	1,880,000.00
0007--- OPTION ADDITIONAL WETLAND RESTORATION	0.5 MIL CY	0.63	315,000 00

D. EQUIPMENT

T. L. James & Co. Inc. (Prime Contractor)

Dredge George D Williams (30") —
 Idle Barge # BT 00172
 2- skiff barges # BT-00199 & BT-00757
 1-supply and water barge # BT-00168
 1-deck barge # BT-00216
 1-spud barge #BT-00223
 1-anchor barges, # BT-00238 & BT-00239
 1-fuel barge, # BT-00773
 1-welding barge # BT-00784
 1-derrick barge # BT-00857
 5- hoist # BT-238, BT-757, BT-239, BT-199, & BT-857
 6-Miller-400 welding machines #'s AW-00614, AW-00711, AW-00745, AW-00752, AW-00753, &
 AW-00773
 1-F-250 Ford truck # 1-000339
 1-F-150 Ford truck # 1-000439
 1-F150 Ford truck # 1-000446
 1-F150 Ford truck # 1-451
 1- derrick light plant # EL-292
 MV Trinity (46' survey boat) 450 hp, w/ Trimble GPS system ,
 Odorn Echotrac 3200 Fathometer & contractor written survey software
 MV J.C.Love, Jr., tender boat
 MV Capt. Bussey, tender boat
 MV Capt. Jelly, tender boat
 MV Southern Nirvana, tender boat
 1-16 5' Alumaweld w/50hp Mercury Outboard Motor
 1-17' survey skiff w/ 40 hp Mercury Outboard Motor
 1-17' lifeboat w/ oars
 1-20'x5' survey skiff w/50 hp Mercury Outboard Motor
 1-20'x5' survey skiff w/75 hp Mercury Outboard Motor

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1-14' Alumaweld w/8 hp Briggs & Stratton Go Devil Engine
 1-GPS Trimble T.S.C.I. (survey Equipment)
 1- D4 Cat Dozer
 1- D5 Cat dozer

Wilco Marsh Buggies INC. (Sub-Contractor)

1- 17.5' air boat w/454 Chevy Engine
 1- 18' aluminum skiff w/90 hp Suzuki Outboard
 1- Linkbelt 3400 w/standard stick marsh buggy
 1- Komatsu 250 w/60' boom marsh buggy
 1- Cat 225 w/ 35' boom marsh buggy

C.F. Bean Corporation (Sub-Contractor)

Bucket Dredge Bean #8: 145' X 39' x 8' Barge Coulon —
 2400 Lima w/120' boom & 6 cy bucket
 Bucket Dredge Bean #3: 130' x 39' x 7' Barge Roby —
 4500 Manitowoc w/120' boom & 6cy bucket

Luhr Bros. Co. Inc

Spud Barge L-1100 w/4600 Manitowoc dragline, 120' boom & 6cy bucket
 Spud Barge L-1101 w/88-B Bucyrus Erie dragline, 110' boom & 5cy bucket
 Spud Barge L-700, Office Barge
 MV Billie Gene, 850 hp tender boat
 MV George B, 450 hp tender boat
 MV Mary B, 450 hp tender boat
 LB 85, 22' cab type skiff w/ 2/ 90 hp Mercury outboard motors
 LB 90, 18' skiff w/ 75 hp Mariner outboard motor
 LB 55, 17' skiff w/ 75 hp Mariner outboard motor
 Fabric Barge L-406 (90' x 20' x 4')

E. ITEMS OF WORK, START / FINISH / PROGRESS / ETC.

Item 0003 Retention dikes / Closures started on February 15, 1998 by sub-contractor Wilco Marsh Buggies. Wilco subbed out the section of retention dike from base line station 115+06.38, East end of Evan's Canal, to approximately 50' from the La. Intrastate Gas 12" P/L at sub base line station 86-01, and closure #1 to the C.F. Bean Corporation. The bucket dredge Bean #8 was mobilized on February 15, 1998 to construct the retention dike and closures on the south side of the Evan's Canal and also closure #1 on the West side of the restoration area. The dredge had to make 3 passes along the canal before the required dike height was reached. The dredge was then moved to the closure #4 entrance point and was allowed to dig flotation, working towards closure #1 and constructed a retention dike at this closure. Wilco Marsh Buggies mobilized a 3400 Linkbelt marsh buggy and a 250 Komatsu marsh buggy on February 20, 1998 to construct closures #2, #3 and the remaining section of retention dike starting at sub baseline station 86-01, dredge Bean 8 stopping point, to the sub baseline 136-3 92, which is the south west corner of the retention area. Completed April 3, 1998. The time elapsed from start to finish was 40 days for this item of work.

SUBJECT: Narrative Completion Report, Contract DACW29-98-C-0015
 Coastal Wetlands Planning, Protection and Restoration Act,
 West Belle Pass Headland Restoration, Federal Project No FM-215,
 State Project No. TE-23, Lafourche Parish, Louisiana

Item 0003 Foreshore Protection (Gulf to Evan's Canal)

Item 0003AA, armor stone (first 28,100 tons) started 28, Feb. 1998 completed 25, Mar. 1998
 Item 0003AB, armor stone (over 28,100 tons) started 25, Mar. 1998; completed 12, April 1998
 Item 0003AC, Location excavation started 23, Feb. 1998; completed 12, April 1998
 Item 0003AD, geotextile started 28, Feb. 1998, completed 11, April 1998
 The sub-contractor, Luhr Bros. Construction Co. Inc. mobilized on 28, Feb. 1998. The spud barge L-1100 w/ 4600 Manitowoc Dragline was used for digging flotation, and the spud barge L-1101 w/ 88B Bucyrus Erie Dragline was used to place armor stone. The bucket dredge Bean #3 which was also used to dig flotation, was mobilized on 04, Mar. 1998 as a sub-sub for Luhr Bros.. Construction was started at closure #5, digging flotation with the L-1100 spud barge from approximately mid point of the closure working north to the Evan's Canal and the dredge Bean #3 started digging flotation at the Evan's Canal working south. The fabric crew started placing the bottom layer geotextile from the jetty tie-in point working north followed by the L-1101 spud barge, which tacked the geotextile in place. The bottom layer was placed a certain distance, which varied from day to day, and the spud barge L-1101 and the fabric crew would set back to the bottom layer starting point and the separator geotextile would be placed in the same fashion. This procedure was used on a daily basis, continually placing geotextile and stone, to the completion of item 0003. The contractor started the Evan's Canal Weir on March 11, 1998 and completed weir the following day. The weir was constructed using the spud barge L-1101 w/ 88-B Bucyrus Erie dragline. The geotextile was placed on the weir using 2 skiffs and laborers positioned on each side of the weir, pulling the geotextile across with ropes. The 88-B dragline then tacked the geotextile and continued to complete weir construction. The time elapsed from start to finish for this item of work was 49 days.

Item 0004 OPTION- Foreshore Protection (Evan's Canal to B/L Sta. 66+00)

Item 0004 was started on March 25, 1998 and completed April 16, 1998 using the same equipment and method of operation as used for item 0003. The time elapsed from start to finish for this item of work was 23 days.

Item 0005 Settlement Plates

Settlement Plates were placed at an interval of 500' within the foreshore protection area and also at each end of closures # 4 & 5 as directed by the contract. Started March 1, 1998 and completed April 9, 1998.

Item 0006 Wetland Restoration

Wetland restoration began on May 12, 1998 using the 30" dredge "George D Williams 11. The required reach from station 235+00 to station 280+00 was dredged to elevation of -27 MLG as directed by the contract specifications. The other areas dredged under this contract were from station 214+20 to station 202+75, station 193+10 to station 151+45 and also from station 92+65 to station 76+85. A total of 1,271,436 cys. (1,231,409 credited) of dredged material was pumped inside the restoration area raising the areas indicated by hatch marks on the contract drawings to an elevation of at least 2.75 MLG. The contractor also pumped 255,000 cys. (228,000 credited) of dredged material onto the beach to restore the area just west of the rock jetties at approximate station 240+00. All dredging was completed on June 13, 1998. Total effective dredging time was 472 hrs. and 50 min.; total non-effective dredging time was 319 hrs. and 10 min. A total dredging time elapsed was 33 days.

hydraulic

SUBJECT: Narrative Completion Report, Contract DACW29-98-C-0015
Coastal Wetlands Planning, Protection and Restoration Act,
West Belle Pass Headland Restoration, Federal Project No. FM-215,
State Project No. TE-23, Lafourche Parish, Louisiana

F. MODIFICATIONS

1. A00001: Change the design and location of the foreshore dikes and closures 4 & 5; allow excavation in the open water areas of the wetland restoration area
2. P00002: Additional wage determinations
3. P00003: Option for increased quantity; line item 0004
4. A00002: Changes made to the subject contract to remove the restriction of the location of the spillboxes.
5. A00003: Modification due to unusually severe weather from 15 February 1998 through 31 March 1998, extended 2 calendar days.

G. CLAIMS

None as of this date. Variations in estimated quantities for wetland restoration are being computed; it appears that the under-run will be more than 15%.

H. SAFETY

The contractor's overall Accident Prevention Plan was satisfactory. There were no lost time accidents on this contract. The contractor held weekly safety meetings and made daily safety checks for all aspects of the job. A total of 28,288 man hours were worked on this contract.

I. MATERIAL SUPPLIERS


Carthage Mills, FX-30/40, geotextile
Arnoco Fabrics and Fibers Company, 1198, geotextile
Tower Rock Stone, STE Genevieve, Missouri, Armor Stone

J. SUGGESTIONS FOR IMPROVEMENTS TO FUTURE PLANS / SPEC'S / D'GS

K. EEO GOALS / MINORITY SUBCONTRACTS / LOCAL HIRE CONTRACTS

The contractor met EEO goals as required.

CP. CEMVN-ED-C
CEMVN-PA
CEMVN-CT
CEMVN-ED-CC
CEMVN-CD-QM


Joseph A. Cormier
Construction Representative

Payment Estimate-Contract Performance
 Contract # DACW29-98-C-0015
 Contractor and Address:
 T.L.James & Co., Inc.
 P.O. Box 20116
 New Orleans, Louisiana 70141-0116

Project: Coastal Wetlands Planning, Protection & Restoration Act
 West Belle Pass Headland Restoration, Federal Project No. FM-215
 State Project No. TE-23
 Lafourche Parish, Louisiana

Period Covered: 17 Jul 98 thru 17 Jul 98

Estimate: 9th Final

Item No.	Description	Estimated Quantity	Unit	Unit Price	Estimated Amount	Quantity This Month	Earnings This Month	Previous Quantity To Date	Quantity To Date	Earnings To Date
1	Mobilization/Demobilization	Lump Sum	LS	\$600,000.00	\$600,000.00	0.0%	\$0.00	100%	100%	\$600,000.00
2	Retention Dikes/Closures Construction	Lump Sum	LS	\$425,000.00	\$425,000.00	0%	\$0.00	100%	100%	\$425,000.00
3	Foreshore Protection Gulf to Evan's Canal	28,100	Tn	\$28.35	\$796,635.00	0	\$0.00	28,100	28,100	\$796,635.00
3AA	Armor Stone (First 28,100 Tons)	7,000	Tn	\$23.10	\$161,700.00	0	\$0.00	12,216	12,216	\$282,189.60
3AB	Armor Stone (All over 28,100 Tons)	16,400	CY	\$0.00	\$0.00	0	\$0.00	0	0	\$0.00
3AC	Earthen Core									
3AD	Foreshore Protection Geotextile	36,700	SY	\$3.68	\$135,056.00	0	\$0.00	53,139	53,139	\$195,551.52
4	OPTION-Foreshore Protection (Evan's Canal to B/L Sta. 66+00)									
4AA	Armor Stone (First 8,800 Tons)	8,800	Tn	\$31.50	\$277,200.00	0	\$0.00	8,800	8,800	\$277,200.00
4AB	Armor Stone (All over 8,800 Tons)	2,200	Tn	\$23.10	\$50,820.00	0	\$0.00	1,239	1,239	\$28,620.90
4AC	Earthen Core	4,200	CY	\$0.00	\$0.00	0	\$0.00	0	0	\$0.00
4AD	Foreshore Protection Geotextile	13,800	SY	\$3.68	\$50,784.00	0	\$0.00	18,271	18,271	\$67,237.28
5	Settlement Plates	Lump Sum	LS	\$21,000.00	\$21,000.00	0%	\$0.00	100%	100%	\$21,000.00
6	Welland Restoration	2,000,000	CY	\$0.94	\$1,880,000.00	0	\$0.00	1,491,856	1,491,856	\$1,402,344.64
7	OPTION-Additional Welland Restoration	500,000	CY	\$0.63	\$315,000.00	0	\$0.00	0	0	\$0.00
8	Lump Sum Adjustment For Revised Foreshore Dike Design And Closure #4 and #5 Including Access To Closure #1 (CIN 01)	Lump Sum	LS	\$120,960.00	\$120,960.00	0%	\$0.00	100%	100%	\$120,960.00
Totals					\$4,834,155.00		\$0.00			\$4,216,738.94

Appendix B

CWPPRA WEST BELLE PASS HEADLAND RESTORATION PROJECT

Cost Sharing Agreement

CWPPRA WEST BELLE PASS HEADLAND RESTORATION OMRR&R PLAN

DNR Agreement No.: 435CW-97-14
Amendment No.: 1

AMENDMENT
TO THE
COST SHARING AGREEMENT

BETWEEN

THE DEPARTMENT OF THE ARMY
AND
THE STATE OF LOUISIANA

FOR CONSTRUCTION OF THE
WEST BELLE PASS HEADLAND RESTORATION PROJECT
LAFOURCHE PARISH, LA

(FEDERAL PROJECT # FM215 /STATE PROJECT # TE-23, PTE-27)

THIS AMENDMENT is entered into this 27th day of May, 1998 by and between the DEPARTMENT OF THE ARMY (hereinafter referred to as the "Government"), acting by and through the District Engineer, U.S. Army Engineer District, New Orleans and the STATE OF LOUISIANA, (hereinafter referred to as the "State"), acting by and through the Secretary of the Louisiana Department of Natural Resources.

WITNESSETH, THAT:

WHEREAS, construction of the West Belle Pass Headland Restoration Project in Lafourche Parish, LA, was authorized by Section 303(a) of Title III, Pub. L. 101-646, the "Coastal Wetlands Planning, Protection and Restoration Act" enacted on November 29, 1990 (hereinafter referred to as "CWPPRA"); and

WHEREAS, the West Belle Pass Headland Restoration Project (hereinafter referred to as the "Project", as defined in Article I.b. of the Agreement) was approved on the 2nd Priority Project List on October 19, 1992; and

WHEREAS, on December 27, 1996, the Government and the State entered into a Cost Sharing Agreement (hereinafter referred to as the "Agreement") for construction of the Project; and

WHEREAS, in accordance with Section 304 of the CWPPRA, the Louisiana Coastal

*07/08/98
Received
m.w.*

Wetlands Conservation Plan was approved by the Secretary of the Army, the Director of the U.S. Fish and Wildlife Service, and the Administrator of the Environmental Protection Agency on November 21, 1997, effective December 1, 1997; and

WHEREAS, Section 303(f) of the CWPPRA specifies that, upon approval of the Louisiana Coastal Wetlands Conservation Plan, the Federal share for this Project will increase from 75 percent to 85 percent. In accordance with the unanimous decision of the Louisiana Coastal Wetlands Conservation and Restoration Task Force, which decision was officially rendered on January 16, 1998, the increased Federal share shall apply and extend solely to those funds expended on or after December 1, 1997, and the Federal share of any and all funds expended prior to December 1, 1997, shall be limited to 75%.

WHEREAS, Section 303(f)(2) of the CWPPRA, provides that in the event that the Secretary of the Army, the Director of the United States Fish and Wildlife Service and the Administrator of the Environmental Protection Agency jointly determine that the State is not taking reasonable steps to implement and administer the Louisiana Coastal Wetlands Conservation Plan, amounts made available by the Government in accordance with Section 306 of the CWPPRA, as amended, for any coastal wetlands restoration project shall revert from 85% to 75% of the cost of the project; provided however, that such reversion to the lower cost share level shall not occur until the Governor of the State of Louisiana has been provided notice of, and opportunity for hearing on, any such determination by the Secretary, the Director and the Administrator, and the State has been given ninety days from such notice or hearing to take corrective action. The decreased Federal share shall apply and extend solely to those funds expended on or after such ninety-day period has elapsed without corrective action having been taken by the State.

NOW, THEREFORE, the Government and the State agree to amend the Agreement as follows:

1. ARTICLE II. - OBLIGATIONS OF THE PARTIES

A. ARTICLE II.c. is deleted in its entirety and the following is substituted therefore:

"c. The Government shall pay 75 percent of the total first costs of the Project through a combination of cash and the provision of all lands, easements, servitudes, rights-of-way, including suitable borrow and dredged or excavated material disposal areas, and accomplishment or assurance of accomplishment of all relocations determined by the Government to be necessary for construction, monitoring, operation and maintenance of the Project, except for those lands, easements,

servitudes, rights-of-way, suitable borrow and dredge or excavated material disposal areas provided pursuant to subparagraph d.2. of this Article and Article III.b. of this Agreement. Provided however, that regarding funds expended by the State or the Government, on or after December 1, 1997, as a part of the total first costs of the Project, the Government shall pay 85 percent of the said total first costs of the Project through a combination of cash and the provision of all lands, easements, servitudes, rights-of-way, including suitable borrow and dredged or excavated material disposal areas, and accomplishment or assurance of accomplishment of all relocations determined by the Government to be necessary for construction, monitoring, operation and maintenance of the Project, except for those lands, easements, servitudes, rights-of-way, suitable borrow and dredge or excavated material disposal areas provided pursuant to subparagraph d.2. of this Article and Article III.b. of this Agreement. "

B. Article II.d. is deleted in its entirety and the following shall be substituted therefore:

"d. The State shall contribute, during the period of construction, 25 percent of the total first costs through a combination of cash payments, lands, easements, servitudes, rights-of way, and work-in-kind, as hereby specified and as further specified in Article III.b. and Article VI. of this Agreement. Provided however, that regarding funds expended by the State or the Government, on or after December 1, 1997, as a part of the total first costs of the Project, the State shall contribute, during the period of construction extending thereafter, 15 percent of the said total first costs through a combination of cash payments, lands, easements, servitudes, rights-of way, and work-in-kind, as hereby specified and as further specified in Article III.b. and Article VI. of this Agreement.

1. As further specified in Article VI hereof, during the period of construction, the State shall provide a cash contribution equal to 5 percent of the total first costs.

2. As further specified in Article III hereof, the State shall, prior to the advertisement of any construction contract, provide all lands, easements, servitudes, rights-of-way, including suitable borrow and dredged or excavated material disposal areas to the Government in, over, under and upon any lands, waterbodies, and/or waterbottoms deemed by the Government to be necessary for the construction, of the Project, which are owned, controlled and/or claimed by the State.

3. If the value of the contributions provided under subparagraphs d.1. and d.2.

of this Article is less than the State's required share, the State shall provide, during the period of construction, additional cash contributions in the amount necessary to make the State's total contribution equal to the State's required share.

4. The State shall implement and perform Project pre-construction and construction monitoring in accordance with the Project Monitoring Plan and may perform other work-in-kind upon approval of the Government. The State shall receive a credit for the value of work-in-kind as approved by the Government subject to Government audit toward the cash contribution required under subparagraph d.3. of this Article. "

C. Article II.e. of this Agreement shall be deleted in its entirety and the following substituted therefore:

"e. It is anticipated that the State will perform all operation, maintenance, repair, replacement, rehabilitation and post-construction monitoring associated with this Project. During the life of the Project, upon receipt of requests from the State, the Government shall, subject to the availability of Government funding and subject to Government audit, reimburse the State 85 percent of the State's actual operation, maintenance, repair, replacement, rehabilitation and monitoring costs, as approved by the Government. In the event the Government performs any operation, maintenance, repair, replacement, rehabilitation, and post-construction monitoring work on the Project, the Government shall receive a credit for such work in the amount equal to the actual reasonable costs incurred which shall be applied against the Government's requirement to pay 85 percent of the operation, maintenance, repair, replacement, rehabilitation, and post-construction monitoring costs."

D. ARTICLE II. g. shall be inserted as follows:

"g. Notwithstanding any other provision of this Agreement to the contrary, in the event that, on or after December 1, 1997, the Secretary of the Army, the Director of the United States Fish and Wildlife Service and the Administrator of the Environmental Protection Agency, jointly determine, pursuant to the provisions of Section 303(f)(2) of the CWPPRA, that the State of Louisiana is not taking reasonable steps to implement and administer the Louisiana Coastal Wetlands Conservation Plan, amounts made available by the Government in accordance with Section 306 of the CWPPRA, as amended, shall revert from 85% to 75% of the costs of the project and the State's share of the costs of the project shall revert from 15% to 25% of the costs of the project; provided however, that such reversion to the

Government's lower cost share level shall not occur until the Governor of the State of Louisiana has been provided notice of, and opportunity for hearing on, any such determination by the Secretary, the Director and the Administrator, and the State has been given ninety days from such notice or hearing to take corrective action. The decreased Federal share shall apply and extend solely to those funds expended on or after such ninety-day period has elapsed without corrective action having been taken by the State."

2. ARTICLE VI - METHOD OF PAYMENT.

A. ARTICLE VI.a. is amended to read in its entirety as follows:

"a. Total project costs are currently estimated to be \$6,734,920.00 and the State's share of total project costs is currently estimated to be \$1,090,172.00 (provided however, that should the State's share of total project costs revert from 15% to 25% in accordance with Article II.g. of this Agreement, the State's share of the currently estimated total project costs shall be revised accordingly) of which not less than 5 percent of total project costs shall be in cash. The dollar amounts set forth in this Article are based upon the Government's best estimates which include projections of costs, price level changes, and anticipated inflation and any anticipated work-in-kind credits. Such cost estimates are subject to adjustments based upon cost actually incurred and, subject to the provisions of Article XX of this Agreement are not to be construed as the total financial responsibilities of the Government and the State."

B. ARTICLE VI.b. is amended to read in its entirety as follows:

"b. The total first costs are currently estimated to be \$6,153,000.00. In order to meet its share of the total first cost, the State shall provide during the period of construction, as specified in Article II.d. of this Agreement, a cash contribution of not less than 5 percent of the total first costs. The State shall provide the State's required cash contribution during the period of construction in accordance with the following provisions:

1. For purposes of budget planning, the Government shall notify the State by January 1st of each year of the estimated funds that will be required from the State to meet the State's share of total first costs for the upcoming fiscal year.

2. No later than 90 calendar days prior to the award of the first construction contract, the Government shall notify the State of the State's share of the total first costs required for the first fiscal year of construction, including the State's share of costs attributable to the Project incurred prior to the initiation of construction. No later than 30 calendar days thereafter, the State shall verify to the satisfaction of the Government that the State has deposited the requisite amount in an escrow or other account acceptable to the Government, with interest accruing to the State.

3. For the second and subsequent fiscal years of Project construction, the Government shall, no later than 60 calendar days prior to the beginning of the fiscal year, notify the State of the State's share of total first costs for that fiscal year. No later than 30 calendar days prior to the beginning of the fiscal year, the State shall make the necessary funds available to the Government through the funding mechanism specified in Article VI.b.2. of this Agreement.

4. As construction of the Project proceeds, the Government shall, on a regular basis each year, adjust the amounts required to be provided under this subparagraph to reflect actual costs to date, including any amounts necessary to liquidate meritorious contract claims and appeals. If at any time the Government determines that additional funds will be needed from the State for construction, the Government shall so notify the State, and the State, no later than 60 calendar days from receipt of such notice, shall make the necessary funds available through the funding mechanism specified in Article VI.b.2. of this Agreement."

3. ARTICLE XX - PROJECT COST LIMITS.

A. ARTICLE XX is amended to read in its entirety as follows:

"a. If at any time the total project costs exceeds \$6,734,920.00, the award of any new contracts for the Project shall be deferred until such time as the Project is re-prioritized by the CWPPRA Task Force and an amendment to this Agreement is approved by the Government and the State. In the event the Project is not re-prioritized by the CWPPRA Task Force and the State, then this Agreement shall be terminated and the Government and the State shall proceed to a final accounting in accordance with Article VI of this Agreement.

b. Notwithstanding any provision of this Agreement, if at any time during

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Amendment No.: 1

the performance of a Project phase the estimate for that phase of the work which exceeds 125 percent of the projected total costs for that phase of the work, no new contracts for the Project shall be awarded until such time as the Government and the State agree to resume work on that or any other phase of the Project. The current estimate for the four phases of the Project implementation are as set below:

1. Engineering and Design Phase - \$615,845.00.
2. Construction Phase (including Real Estate) - \$5,537,150.00 .
3. Monitoring Phase - \$162,925.00.
4. Operations and Maintenance Phase - \$419,000.00.
5. Current Total Project Costs - \$6,734,920.00 .

4. ALL OTHER TERMS AND CONDITIONS OF THE AGREEMENT REMAIN UNCHANGED.

DNR Agreement No.: 435CW-97-14
Amendment No.: 1

IN WITNESS WHEREOF, the parties hereto have executed this Amendment, which shall become effective upon the date it is signed by the District Engineer, U.S. Army Engineer District, New Orleans, retroactive to December 1, 1997.

THE DEPARTMENT OF THE ARMY

BY: William L. Conner
William L. Conner
Colonel, Corps of Engineers
District Engineer

THE STATE OF LOUISIANA

BY: Jack Caldwell
Jack Caldwell, Secretary
Louisiana Department of
Natural Resources

DATE: 27 May 98

DATE May 18, 1998

WITNESS:

Katherine E. Miller

Cheryl C. Parker

Bill Hicks

Rhonda K. Yarbrough

Gay B. Browning

Gracie L. LeDost

APPROVED
Office of the Governor
Office of Contractual Review

Richard M. ...
JUN 24 1998
DIRECTOR

COST SHARING AGREEMENT

BETWEEN

THE DEPARTMENT OF THE ARMY
AND

THE STATE OF LOUISIANA

FOR CONSTRUCTION OF THE

WEST BELLE PASS HEADLAND RESTORATION PROJECT
LAFOURCHE PARISH, LA

THIS AGREEMENT is entered into this 27th day of Dec, 1996 by and between the DEPARTMENT OF THE ARMY (hereinafter referred to as the "Government"), acting by and through the District Engineer, U.S. Army Engineer District, New Orleans and the STATE OF LOUISIANA, (hereinafter referred to as the "State"), acting by and through the Secretary of the Louisiana Department of Natural Resources.

WITNESSETH, THAT:

WHEREAS, construction of the West Belle Pass Headland Restoration Project in Lafourche Parish, LA, (hereinafter referred to as the "Project" and defined in Article I.b. of this Agreement), is authorized by Section 303(a) of Title III, Pub. L. 101-646, the "Coastal Wetlands Planning, Protection and Restoration Act" enacted on November 29, 1990, (hereinafter referred to as the "CWPPRA"); and

WHEREAS, the Project was authorized by the Louisiana Coastal Wetlands Conservation and Restoration Plan of the State of Louisiana in April 1993; and

WHEREAS, the Government and the State desire to enter into a Cost Sharing Agreement for construction, operation, maintenance, repair, replacement, rehabilitation, and monitoring of the Project; and

WHEREAS, Section 303(f) of the CWPPRA specifies the cost-sharing requirements applicable to the Project; and

WHEREAS, Section 303(e) of the CWPPRA states that the Secretary of the Army "shall not fund a coastal wetlands, restoration project unless that Project is subject to such terms and conditions as necessary to ensure that wetlands restored, enhanced, or managed through that

01/24/97
D. [Signature]

project will be administered for the long-term conservation of such lands and waters and dependent fish and wildlife populations;" and

WHEREAS, the Government and the State have the legal authority and capability to perform as hereinafter set forth and intend to cooperate in the cost-sharing and financing of the construction, operation, maintenance, repair, replacement, rehabilitation and monitoring of the Project in accordance with the terms of this Agreement.

NOW, THEREFORE, the Government and the State agree as follows:

ARTICLE I - DEFINITIONS AND GENERAL PROVISIONS

For the purposes of this Agreement:

a. The definitions in Section 302 of the CWPPRA are incorporated herein by reference.

b. The term "Project" shall mean the implementation of the West Belle Pass Headland Restoration Project, located just west of Port Fouchon, Louisiana and bounded by Timbalier Bay on the west, Bayou Lafourche and Belle Pass to the east, and the Gulf of Mexico to the south. The project area is located in Lafourche Parish, LA. The Project consist of depositing hydraulically dredged material from the Bayou Lafourche navigation channel in pipeline canals and shallow bays; placing earthen closures across pipeline canals and earthen dikes across two shallow bays to contain the deposited material; placing rip rap along the west bank of Bayou Lafourche from the Belle Pass jetties to about 4,200 feet north of the Evans Canal; and constructing a rock weir with a boat bay across Evans Canal near its intersection with Bayou Lafourche, as generally described in the CWPPRA Task Force Priority Project List Report, dated November, 1992.

c. The term "total first costs" shall mean all costs incurred by the State and the Government directly related to pre-construction monitoring, construction, and construction monitoring of the Project. Such costs shall include, but not necessarily be limited to: all engineering and design costs incurred after October 19, 1992; all preconstruction engineering and design costs; engineering and design costs during construction; actual construction costs; construction management costs; supervision and administration costs; costs of contract dispute settlements or awards; the value of lands, easements, servitudes, severance fees for dredging State waterbottoms, and rights-of-way, including suitable borrow and dredged or excavated material disposal areas, and the value of utility and facility relocations, as may be required for the construction, operation, and maintenance of the Project; the cost of investigations to identify the existence of hazardous substances as identified in Article XVII.a.; the cost of developing the Project Monitoring Plan, described in subparagraph o. of this Article, the cost of developing the Project Operations and Schedule Manual, as described in subparagraph p. of this Article; the cost

of cultural resource surveys, documentation and coordination; but shall not include the costs for operation, maintenance, repair, replacement, or rehabilitation; nor any increase cost for betterments. The term "total first costs" also includes the amount of work-in-kind credits, verified by Government audits, that will be given to the State for work-in-kind.

d. The term "total project cost" shall mean all cost directly related to implementation of the Project. Such cost shall include total first costs and all costs directly related to operation, maintenance, repair, replacement, and rehabilitation of the Project, including post-construction monitoring and associated supervision and administration costs.

e. The term "Contracting Officer" shall mean the U.S. Army District Engineer (or Principal Government Contracting Authority) for the New Orleans District.

f. The term "period of construction" shall mean the time from the advertisement of the first construction contract to the time the Contracting Officer certifies in writing to the State that construction of the Project is complete. The Contracting Officer shall furnish to the State copies of the Government's Written Notice of Acceptance of Completed Work furnished to contractor(s) for all contracts for the Project.

g. The term "highway" shall mean any highway, thoroughfare, roadway, street, or other public road or way.

h. The term "relocations" shall mean the preparation of plans and specifications for, and the accomplishment of all, alterations, modifications, lowering or raising in place, and/or new construction related to, but not limited to, existing: railroads (excluding construction, modification, or relocation of railroad bridges and approaches thereto), highways, and other bridges, buildings, pipelines, public utilities (such as municipal water and sanitary sewer lines, telephone lines, and storm drains), aerial utilities, cemeteries, and other facilities, structures, and improvements determined by the Government to be necessary for the construction, operation and maintenance of the Project.

i. The term "fiscal year" shall mean one fiscal year of the Government. The Government fiscal year begins on October 1 and ends on September 30.

j. The term "functional portion of the Project" shall mean a completed portion of the Project as determined by the Contracting Officer in writing to be suitable for tender to the State to operate and maintain in advance of completion of the entire Project. To be suitable for tender, the Contracting Officer must determine that the completed portion of the Project can function independently and for a useful purpose, although the balance of the Project is not complete.

k. The term "betterment" shall mean the design and construction of a Project feature accomplished on behalf of, or at the request of the State in accordance with standards which

exceed the standards which the Government would otherwise apply for accomplishing the design and construction of the Project.

l. The term "construction management costs" shall mean costs incurred by the State and the Government directly related to supervising and administering of construction contracts, to include related overhead costs, as specified in applicable Government contracting regulations.

m. The term "operation, maintenance, repair, replacement and rehabilitation" shall mean any physical activity associated with the actual operation, maintenance, repair, replacement or rehabilitation of the completed Project, or functional portion of the Project, which has been tendered to the State, as described in the Project Operations and Schedule Manual as described in subparagraph p. of this Article and Article VIII of this Agreement.

n. The term "monitoring" shall mean the pre-construction, construction, and post-construction activities undertaken pursuant to the Project Monitoring Plan.

o. The term "Project Monitoring Plan" shall mean a specific plan prepared by the State and mutually agreed to by the State and the Government to provide direction and guidance concerning all monitoring requirements, parameters and procedures for the Project, which shall include the procurement of aerial photographs of the Project area taken within one year prior to the commencement of construction of the Project.

p. The term "Project Operations and Schedule Manual" shall mean a specific plan and schedule prepared by the Government and mutually agreed to by the State and the Government to provide direction and guidance concerning all operation, maintenance, repair, replacement and rehabilitation activities for the Project or functional portion of the Project and in accordance with Article VIII of this Agreement.

q. The term "work-in-kind" shall mean engineering, design, pre-construction and/or construction monitoring, and/or construction of the Project or feature of the Project which has been approved in advance by the Government and is performed by the State.

r. The term "life of the Project" shall mean 20 years from completion of construction of the Project or functional portion of the Project unless otherwise mutually agreed in writing.

ARTICLE II - OBLIGATIONS OF THE PARTIES

a. The Government, subject to receiving funds appropriated by the Congress of the United States and using funds provided by the State, shall expeditiously construct the Project applying those procedures usually followed or applied in Federal projects, pursuant to Federal laws, regulations, and policies. The State shall be afforded the opportunity to review and comment on

all contracts, including relevant plans and specifications, prior to the issuance of invitations for bids. Before initial construction of the Project can proceed, the State must concur in writing with issuance of the invitation for bids for the first construction contract. The State will be afforded the opportunity to review and comment on all modifications and change orders prior to the issuance to the contractor of a Notice to Proceed. In those cases where providing notice to the State of the required contract modifications or change orders is not possible prior to issuance of Notice to Proceed, such notification will be provided after the fact at the earliest date possible. The Contracting Officer will, in good faith, consider the comments of the State, but award of contracts, modifications or change orders, and performance of all work on the Project (whether the work is performed under contract or by Government personnel), shall be exclusively within the control of the Contracting Officer provided such contracts, modifications and change orders are in accordance with the Project purposes.

b. After the Contracting Officer determines that the Project, or functional portion of the Project, is complete, and notifies the State in writing of such determination, the Contracting Officer shall turn the Project or functional portion of the Project over to the State, which shall accept the Project, or functional portion of the Project, and be responsible for operating, maintaining, repairing, replacing, rehabilitating and monitoring the Project or functional portion of the Project in accordance with the Project Operations and Schedule Manual, the Project Monitoring Plan and Article VIII hereof to ensure that wetlands restored, enhanced or managed through the Project will be administered for the long-term conservation of such lands and waters and dependent fish and wildlife populations.

c. The Government shall pay 75 percent of the total first costs of the Project through a combination of cash and the provision of all lands, easements, servitudes, rights-of-way, including suitable borrow and dredged or excavated material disposal areas, and accomplishment or assurance of accomplishment of all relocations determined by the Government to be necessary for construction, operation and maintenance of the Project, except for those lands, easements, servitudes, rights-of-way, suitable borrow and dredge or excavated material disposal areas provided pursuant to subparagraph d.2. of this Article and Article III.b. of this Agreement.

d. The State shall contribute, during the period of construction, 25 percent of the total first costs through a combination of cash payments, lands, easements, servitudes, rights-of way, and work-in-kind, as hereby specified and as further specified in Article III.b. and Article VI. of this Agreement.

1. As further specified in Article VI hereof, during the period of construction, the State shall provide a cash contribution equal to 5 percent of the total first costs.

2. As further specified in Article III hereof, the State shall, prior to the advertisement of any construction contract, provide all lands, easements, servitudes, rights-of-way, including suitable borrow and dredged or excavated material disposal areas to the

Government in, over, under and upon any lands, waterbodies, and/or waterbottoms deemed by the Government to be necessary for the construction, of the Project, which are owned, controlled and/or claimed by the State.

3. If the value of the contributions provided under subparagraphs d.1. and d.2. of this Article is less than 25 percent of total first costs, the State shall provide, during the period of construction, additional cash contributions in the amount necessary to make the State's total contribution equal to 25 percent of total first costs.

4. The State shall implement and perform Project pre-construction and construction monitoring in accordance with the Project Monitoring Plan and may perform other work-in-kind upon approval of the Government. The State shall receive a credit for the value of work-in-kind as approved by the Government subject to Government audit toward the cash contribution required under subparagraph d.3. of this Article.

e. It is anticipated that the State will perform all operation, maintenance, repair, replacement, rehabilitation and post-construction monitoring associated with this Project. During the life of the Project, upon receipt of requests from the State, the Government shall, subject to the availability of Government funding and subject to Government audit, reimburse the State 75 percent of the State's actual operation, maintenance, repair, replacement, rehabilitation and monitoring costs, as approved by the Government. In the event the Government performs any operation, maintenance, repair, replacement, rehabilitation, and post-construction monitoring work on the Project, the Government shall receive a credit for such work in the amount equal to the actual reasonable costs incurred which shall be applied against the Government's requirement to pay 75 percent of the operation, maintenance, repair, replacement, rehabilitation, and post-construction monitoring costs.

f. No Federal funds may be used to meet the State's share of total project costs under this Agreement unless the expenditure of such funds is expressly authorized by statute as verified in writing by the granting Federal agency.

ARTICLE III - LANDS, RELOCATIONS AND Pub. L. 91-646

a. The Government shall acquire all lands, easements, servitudes, and rights-of-way, including suitable dredged or excavated material disposal areas, determined by the Government to be necessary for construction, operation and maintenance of the Project, except as provided in subparagraph b. of this Article.

b. Prior to the advertisement of any construction contract, the State shall provide all lands, easements, servitudes, rights-of-way, dredged material disposal areas and any other interests in, over, under and upon any lands, waterbodies, and/or waterbottoms deemed by the Government