

PROJECT COMPLETION REPORT (TE-0138)

PROJECT NAME: Bayou Decade Ridge & Marsh (TE-0138)
Vegetative Planting
Terrebonne Parish, Louisiana

CPRA / STATE PROJECT NO. TE-0138

Report Date: September 2023

By: Brandon Carreras, CPRA

1. Project Team

1.1 Project Owner

Coastal Protection and Restoration Authority
150 Terrance Avenue
Baton Rouge, LA 70802

1.2 Project Managers/Contracting Officer

CPRA Engineering Supervisor, Operations Division	Brian J. Babin, P.E.	985-447-0956
CPRA Construction Project Manager	Brandon Carreras	985-449-5073
CPRA Monitoring Manager	Todd Hubbell	985-447-0994

1.3 Project Design

CPRA Thibodaux Field Office 1440 Tiger Drive, Suite B Thibodaux, La. 70301	Brandon Carreras	985-449-5073
--	------------------	--------------

1.4 Prime Construction Contractor

Ecological Restoration Services, LLC 2431 S. Acadian Thruway Baton Rouge, LA 70808		337-466-5152
--	--	--------------

License No. 51750 Project Manager	Wesley Hayes	337-466-6152
--------------------------------------	--------------	--------------

PROJECT COMPLETION REPORT (TE-0138)

2. Location & Description of Project

The Bayou De Cade Ridge and Marsh Creation Project (TE-0138) is located within the Lake Mechant Sub-basin approximately eight (8) miles west of Theriot, La. in Terrebonne Parish, near the vicinity of Lake De Cade, and is bounded by Turtle Bayou and an existing oilfield location canal to the north and west, Bayou De cade to the south, and Lake De Cade to the east.

This project was part of the original construction to complete planting of the southern ridge. The project consisted of installing 373 Wax Myrtles, 373 Yaupon, and 373 French Mulberry trees.

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

The project was constructed as described above. For additional information see project As-Built Drawings. .

Vegetation was planted along the ridge to help expedite native plant growth. This vegetation will establish a root system to help stabilize and maintain the structural integrity of the ridge.

4. Key Project Cost Elements*

Cost Element	CPRA Project Report Estimates Data	Cost Incurred as of Construction Completion & Final C.O.
Construction	N/A	N/A
E & D	N/A	N/A
Land Rights	N/A	N/A
Construction Administration	N/A	N/A
Resident Project Representative**	N/A	N/A
Monitoring	N/A	N/A
Planting	\$30,000.00	\$53,618.30
Total	\$30,000.00	\$53,618.30

*Does not include Federal Sponsor administrative cost.

*Does not include CPRA Administrative cost.

**Estimate based on 90-day Construction Contract completion period.

PROJECT COMPLETION REPORT (TE-0138)

5. Items of Work

Schedule of Items										
Item No.	Work	Est. Qty	Unit	Estimated Unit Price	Estimated Amount	Bid Qty	Bid Unit Price	Bid Amount	As-Built Quantity	As-Built Amount
Base Bid										
1	Planting labor	1119	EACH	\$3.00	\$88,800.00	1119	\$19.87	\$22,234.53	1119	\$22,234.53
2	Tree protectors	1119	EACH	\$4.00	\$118,400	1119	\$6.56	\$7,340.64	1119	\$7,340.64
3	Tree tags	1119	EACH	\$3.50	\$192,150	1119	\$2.96	\$3,312.24	1119	\$3,312.24
4	Ridge Cutting (CO#1)					LS	\$16,955.56	\$16,955.56	LS	\$16,955.56
5	Ridge Spraying (CO#2)					LS	\$3,775.33	\$3,775.33	LS	\$3,775.33
CPRA Estimate: Base Bid: \$30,000.00; Additive Alternate Amount: \$0.00						Total Estimate: \$30,000.00		Original Base Bid Amt.: \$32,887.41 Additive Alt. 1: \$0.00 Total Bid w/Alternative: \$32,887.41		As-Built Amt.: \$53,618.30

PROJECT COMPLETION REPORT (TE-0138)

6. Construction and Construction Oversight

Prime Construction Contractor	Ecological Restoration Services, LLC
Surveyor	Graham Leger, Assistant Project Manager
Subcontractor	N/A
Original Construction Contract	\$32,887.41
Final Contract Amount	\$53,618.30

Construction Administration & Resident Inspection – CPRA - TRO

Construction Administration and Resident Inspection Amount: N/A

7. Major Equipment Used

ATV – transport trailer for plants

Trailer

27’ Carolina Skiff

Marsh master

Barge boat for marsh master transportation

Survey equipment for as built drawings

8. Construction Sequences and Activities

The Owner’s scheduled contract time for the project was 45 days. The Notice to Proceed was issued for October 17th, 2022. The scheduled completion date was set on December 1st, 2022. Planting time was only allowed during the winter therefor a change order for days was issued to extend contract.

- September 26th, 2022 – pre-construction meeting
- January 3rd, 2023 – Construction Commences
- January 5th, 2023 – Construction completion
- April 22nd, 2023 – Ridge spraying of Roseau Cane
- May 3rd, 2023 – as-built Report submission

See the Contractor’s Daily Reports for additional details and photographs of project construction tasks, sequences and activities. The Reports were submitted to CPRA during the course of the project. Appendix B provides selected photographs of the construction activities.

9. Construction Change Orders and Field Changes.

PROJECT COMPLETION REPORT (TE-0138)

Change Order No. :

Change Order No. 1: Increase contract days by 62 calendar days. This due to no work allowed prior to January 1st, 2023. Increase contract cost by \$16,955.56. Increase cost is due to the ridge needing to be cut prior to mobilization. This is from the over whelming growth of Roseau Cane.

Change Order No. 2: Increase contract days by 70 calendar days. Increase contract cost by \$3,775.33. This increased cost and days was to help maintain the growth of the Roseau Cane around the planting trees. After an inspection was conducted the Roseau Cane had started growing faster than anticipated from the cutting before planting. We also increased days to allow the optimal spraying time of the Roseau.

Change Order No. 3: increase contract days by 14 days. This was due to the miscalculation and change in weather patterns to allow the spraying of the Roseau Cane. This was a no cost change order.

Field Order No. : No Field Orders issued

10. Pipeline and Other Utility Crossings.

11. Safety and Accidents.

The Contractor, Ecological Restoration Services, LLC, submitted an Environmental Hazzard Safety plan. This outlined the following:

1. Corporate Safety & Health Policy Statement
2. Leadership Program
3. Stop Work Authority Program
4. Fatigue Management Program
5. Accident Reporting & Investigation Program
6. EHS&S Training Program
7. Contractor, Sub-Contractor & Vendor Safety Program
8. PPE (Personal Protective Equipment) Program
9. Ergonomics Program
10. Chemical Management Program
11. Emergency Preparedness Program
12. Fire Prevention Program
13. Confined Space Program (High-Hazard Operations)
14. Tree Felling Operations Program (High-Hazard Operations)
15. Hot Work Operations Program (High-Hazard Operations)
16. Ladders & Scaffolding Program (High-Hazard Operations)
17. Electrical Awareness Safety Program
18. Lock-Out/Tag-Out Program (High-Hazard Operations)
19. Powered Industrial Vehicles (PIV) Program (High-Hazard Operations)
20. Animal Handling Program (High-Hazard Operations)

PROJECT COMPLETION REPORT (TE-0138)

21. Trenching & Excavation Program (High-Hazard Operations) 126
22. Cranes, Hoist, and Mechanical Equipment Program (High-Hazard Operations Program)
23. Fall Protection Program (High-Hazard Operations)
24. Equipment Operation Program (High-Hazard Operations)
25. Boater & Watercraft Safety Program (High-Hazard Operations)
26. Office Safety Program
27. Occupational Health Program
28. Fleet & DOT Program
29. Auto Shop Operations Program
30. Inspections Program
31. Job Safety Analysis / Activity Hazard Analysis (JSA/AHA)

There were no accidents reported during the Operation and Maintenance Project.

12. Project Issues and Discussion

1. Issue: n/a

Discussion: n/a

13. **Significant Construction Dates:** To be filled out by CPRA Construction Project Manager or Contracting Officer for construction for Agency responsible for construction.

ACTION	DATE
Bid Opening	August 15 th , 2022
Construction Contract (CPRA Signed)	September 21 st , 2022
Pre-Construction Conference	September 26 th , 2022
Notice to Proceed	October 17 th , 2022
Mobilization	January 3 rd , 2023
Construction Start	January 3 rd , 2023
Construction Completion	April 22 nd , 2023
Final Acceptance	April 26 th , 2023