State of Louisiana

JOHN BEL EDWARDS
GOVERNOR

October 18, 2019
(Revised from October 24, 2018)

NOTICE OF CONSTRUCTION

Mr. Tim G. Taylor,
President
Phillips 66 Company
2331 Citywest Blvd.
Houston, Texas 77042

RE: Crossing and Work over Phillips 66 Company Pipeline
Caminada Headland Back Barrier Marsh Creation Project BA-0171
Lafourche and Jefferson Parishes, Louisiana

Dear Mr. Taylor:

The State of Louisiana, through its Coastal Protection and Restoration Authority (CPRA) intends to construct, maintain and monitor the above-referenced BA-0171 project ("Project"). The Project will be finalizing the design in the Fall of 2019 with construction expected to commence in the Spring of 2020. A map labeled **Exhibit A** is attached hereto, and made a part hereof, for your reference regarding the details of the Project.

The Project will create marsh by hydraulically dredging material from the Gulf of Mexico and pumping it to designated fill sites, depicted on **Exhibit A,** via a dredge pipeline temporarily placed for approximately 6 to 12 months. Temporary earthen containment dikes will also be constructed to contain the dredge material while the marsh creation areas solidify. An uncontained marsh nourishment area will be located east of the marsh creation area. The goal of the Project is to create and nourish 928 acres of brackish marsh using material dredged from the Gulf of Mexico. See **Exhibit B** attached hereto for a brief project description.

Measures will be taken to insure that Phillips 66 Company's (Phillips 66) pipeline, shown on the attached **Exhibit A**, is protected during the construction of this Project. CPRA will elevate the dredge pipeline over Phillips 66's existing pipeline both offshore as well as in the fill area. The weight of the dredge pipeline will not rest on the ground or rest directly over a Phillips 66 pipeline.

Marsh buggies and/or other equipment will be used to construct earthen containment dikes for the marsh creation area. CPRA will need to cross the Phillips 66 pipeline to construct earthen containment dikes, and the marsh creation and nourishment areas. Marsh buggies and/or other equipment may be used within the marsh creation area and marsh nourishment area.

When equipment crosses Phillips 66 pipeline, protective measures will be used, such as timber mats. Finally, dredged material used to construct the marsh creation and marsh nourishment areas will cover some, if not all, of Phillips 66 pipeline, shown on **Exhibit A**, in the Project area.

Advance Notification of Construction:

In addition to this advance notification of construction, CPRA, its contractor(s) and/or assigns will provide further notification a minimum of 48 hours before construction work begins within the immediate Phillips 66 pipeline area.

Contact Information:

If you would like more information about this Project, please contact the following CPRA representatives:

Ms. Renee Bennett, CPRA Project Manager at (225) 342-4592, e-mail: renee.s.bennett@la.gov or,
Mr. Shannon Haynes, CPRA Project Engineer at (225) 342-9424, e-mail: shannon.haynes@la.gov.

The mailing address for the above CPRA contacts is: P. O. Box 44027, Baton Rouge, Louisiana 70804, and the physical address is: 150 Terrace Avenue, Baton Rouge, Louisiana 70802.

The CPRA Contractor will make every effort to conduct the work over Phillips 66 pipeline in such a manner to protect against any impacts to said pipeline to the greatest extent possible. Your cooperation and understanding during CPRA's construction, maintenance and monitoring operations is greatly appreciated.

If you have any concerns or questions about this notice, you may contact me at (225) 342-5260 or James Altman at (225) 342-1934, in the CPRA Land Rights Division. Thank you for your cooperation and support regarding the State's coastal protection and restoration efforts.

Sincerely,

V. J. Marretta

V. J. Marretta
CPRA Land Specialist

Attachments

ec (w/Attachments/sent via email): Patricia Taylor, EPA Project Manager
Renee Bennett, CPRA BA-0171 Project Manager
Shannon Haynes, CPRA BA-0171 Project Engineer
Adam Ledet, CPRA BA-0171 Construction Engineer
Todd Hubbell, CPRA BA-0171 Monitoring Manager
James Altman, CPRA Land Manager
BA-0171 Project File

Exhibit A

Caminada Headlands
Back Barrier Marsh Creation
BA-0171,
Phillips 66 Pipeline Map
Lafourche & Jefferson
Parishes, LA

Features

- Proposed Project Boundary
- Proposed Marsh Creation
- Proposed Marsh Nourishment
- Proposed Marsh Borrow Area
- Proposed Dredge Pipeline Corridor
- Proposed Earthen Containment Dike
- Proposed Borrow Area for Earthen Containment Dike
- Proposed Equipment Access Route
- Phillips 66 Pipeline
- Parish Boundary
- Roads
- Township
- Section

All project features are graphical representations only, are subject to change, and may not reflect true location or dimension

1:60,000

0 1 2 Miles

0 1 2 Kilometers

Source:
Coastal Protection and Restoration Authority of Louisiana
Imagery: ESRI World
Map Date: 10/21/2019
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EXHIBIT B

CAMINADA HEADLAND BACK BARRIER MARSH CREATION PROJECT BA-0171

PRELIMINARY PROJECT DESCRIPTION SUMMARY

Federal Sponsor: U. S. Environmental Protection Agency (EPA)

Non-Federal Sponsor: State of Louisiana, Coastal Protection and Restoration Authority (CPRA)

Project Location: Barataria Basin, Lafourche and Jefferson Parishes, in the vicinity of Bayou Moreau and Bay Champagne

Problem: The Caminada Headland has experienced some of the highest shoreline retreat rates in Louisiana. Historically the shoreline has migrated landward at about 40 feet per year. Between 2006 and 2011, shoreline migration increased dramatically, exceeding 80 feet per year in near Bay Champagne and 110 feet per year in the Bayou Moreau area. The increased losses occurred in the wake of Hurricanes Katrina and Rita in 2005 as the breaches remained open for an extended length of time. The losses were exacerbated by Tropical Storm Fay and Hurricanes Gustav and Ike in 2008. Significant prolonged breaches greatly increase the net export of sediment from the headland.

In addition to the shoreline migration, the area is also experiencing high loss rates of interior marshes. As the beach and dune continue to migrate landward, overwashed sediment will be lost into newly formed open water and land loss rates will be exacerbated. The continued deterioration of Caminada Headland threatens thousands of acres of wetland habitat as well as critical infrastructure, including Port Fourchon, LA Highway 1, and the lower Lafourche levee system.

Goals: The goal of the Caminada Headland Back Barrier Marsh Creation Project BA-0171 ("Project") is to create and nourish 928 acres of brackish marsh using dredged material from the Gulf of Mexico.

Proposed Solution: Sediment will be hydraulically dredged from approximately 1.5 miles off the Caminada Headland shoreline in the Gulf of Mexico and pumped via pipeline to the Project area to create and nourish 928 acres of marsh habitat. The marsh creation cells and nourishment area have been designed to minimize impacts on existing marsh and mangroves. Assuming some natural vegetative recruitment, vegetative plantings are anticipated to occur one year after sediment placement and three years after sediment placement. Containment dikes will be degraded or gapped no later than three years after sediment placement to allow access for estuarine organisms.

Project Benefits: In addition to the creation and nourishment of 928 acres of marsh habitat, this project will create a platform upon which the recently completed beach and dune projects (BA-0045 and BA-0143 Caminada Beach and Dune Restoration Projects) can migrate, which will reduce the likelihood of breaching, increase the retention of overwashed sediment, improve the longevity of the barrier shoreline, protect existing wetlands, protect infrastructure to the north and west, and slow the current trend of degradation of the headland.

Project Cost: The total fully-funded cost for the project is $39,112,114.

Project Status: Engineering and Design is 95% complete.