

## **Notice of Intent (NOI) Application Reception**

**File Number:** 302022-21

**Project Name:** Talbert Channel (D02) Living Shoreline Project

**Received:** 10/20/2022

**Date Application Posted:** 10/27/2022

**End of 21 Day Public Comment Period:** 11/17/2022

**Project City:** Huntington Beach

**Project County:** Orange

**Applicant Organization:** Orange County Public Works

**Applicant Name:** Giles Matthews

**Waterboard Staff:** TBA

### **Brief Description of Project:**

**Project Description:** Over several decades of time, with the rise and fall of the tide and with storm events and gravity, the riprap on the slope has migrated into the Marsh leaving the earthen slopes exposed to erosion into the adjacent access road/cycle path. The existing riprap provides minimal ecological benefit and detracts from the rest of the marsh habitat. The plan to resolve this issue is to install a living shoreline restoration technique in front of the existing riprap.

**Project Activities:** The habitat enhancement project consists of installing a Living Shoreline along the north-eastern bank of the Talbert Marsh/Talbert Storm Channel, in combination with repairing the existing eroded riprap slope. The Living Shoreline would be placed directly in front of the existing riprap slope to create a diverse, sinuous living shoreline. The living shoreline would also provide additional erosion protection to the bank. For the living shoreline, a minimum of two rows of coconut coir logs and/or rock/oyster rolls (small diameter stone or oyster shells wrapped in fabric) will be placed on the floor of the Marsh in close proximity to the slope in a sinuous manner to maximize 'edge effect' to increase habitat diversity. The rolls will be installed with hand work under the supervision of a restoration ecologist/biologist. The rolls are expected to be a maximum of 2-ft in diameter. All rolls would be staked into place using wooden stakes and jute rope. All materials would be biodegradable. After the coconut coir logs and/or small diameter stone/oyster rolls are in place, the area between the two logs or rolls will be filled with clean silty sand. The sand will be placed by an excavator parked on the adjacent maintenance road. The distance between the rolls will be between 2-ft and 8-ft wide. The width is dependent on the presence of existing eelgrass. The restoration ecologist/biologist will ensure that the coconut or rock rolls remain a minimum of 2-ft from any existing eelgrass.