

Packery Flats Habitat and Public Access Enhancements

Contract # 23-020-020-E049

Final Report
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Project Background:

Nestled on the backside of Mustang Island adjacent to Packery Channel, Packery Flats Coastal Habitat is a well-known gem with lots to offer in terms of public access to our coastal areas. The one thousand acre protected area boasts extensive intertidal habitats that are heavily utilized by fish and wildlife and has many features that are appealing to passive recreation. Previous efforts by the Coastal Bend Bays & Estuaries Program along with various partners including the Coastal Management Program have constructed parking lots for public access, conducted debris and trash cleanups, and installed interpretive signage. A recent increase in the popularity of the Packery Flats Coastal Habitat area has prompted CBBEP (Coastal Bend Bays & Estuaries Program) to prioritize additional improvements. An aging bollard and cable boundary fence along HWY 361 had deteriorated in places where vehicles accessing portions of Packery Flats that are intended only for pedestrians.

Cycle 27 funds CBBEP were used to replace missing and damaged portions of the vehicular barrier (bollards), make improvements to public access areas (trails, access roads, and parking areas), install a second phase of signage limiting vehicles from sensitive habitat areas, which will assist visitors to be better stewards of the Packery Flats Coastal Habitat.

Task 1: Procurement of Construction Services

Upon receipt of the CMP Contract # 020-020-E049 CBBEP placed a materials order for 6" diameter by 6' long pressure treated wooden bollards. CBBEP ordered a total of 450 bollards to be used as replacement and additional bollards in the project. The final shipment of bollards was received by CBBEP on 11.30.2023 and all the bollards were housed at the CBBEP Nueces Delta Preserve until they were needed by the contractor for installation.

CBBEP coordinated with the resource agencies (USFWS and the USACE) to obtain necessary permissions to perform the work associated with the Packery Flats Habitat and Public Access Enhancements project. This work was authorized through the USACE Nationwide Permit # 3 for maintenance to authorized structures. The bollard and cable barrier had previously received authorization for installation by the USACE.

CBBEP developed a draft and final site plan that was approved by CMP. Using the site plan CBBEP developed bid specification documents and publicly advertised the project for bid. The bid package document was posted on both the CBBEP website, www.cbbep.org, along with the State's Electronic Business Daily site, www.txsmartbuy.com. The project was advertised starting on 11.14.2023 and bid proposals were due back to CBBEP no later than 12.20.2023. One of the bids received allowed for the base bid plus an additional 60 tons of limestone as an owner's option to be added to the project scope.

CBBEP established a contract with Coastal LLC with an effective date of January 9th to implement the approved plan and scope of work.

Task 2: Construction and CMP Signage

CBBEP established a contract with Coastal LLC. Coastal LLC mobilized to the site and has removed the rusty cable and the damaged bollards. CBBEP worked with Coastal LLC to deliver the bollards to the

project work site. Coastal LLC utilized a hydraulic hammer mounted on a skid steer to install the wooden bollards. Once the bollards were installed CBBEP coordinated with Coastal LLC for the procurement and placement of the contract 160 tons of limestone road base. This limestone road base material was installed in parking areas and along the existing trail at Packery Flats Coastal Habitat.

Temporary CMP signage was installed in the two parking areas at the project work site. CBBEP coordinated with CMP to secure the permanent CMP signs for the project location. CBBEP installed two 11x17 signs in the two parking areas. The smaller signs provided by CMP were installed along the bollard line close to the “No Vehicles Beyond Bollards” signs.

Task 3: Signage

CBBEP worked with Snyder & Associates in Corpus Christi, TX to design the “No Vehicles Beyond Bollards” signs. Snyder & Associates has designed the existing signs that have been installed at Packery Flats Coastal Habitat. CBBEP wanted to maintain the same look and material make of the signs, so we ordered them directly from IZONE and had them shipped to CBBEP for installation. Snyder & Associates submitted the final sign design to IZONE on 1.26.2024. The signs were put into production on 2.19.2024. CBBEP received the signs from IZONE on 3.12.2024. Supplies were purchased to assist in the installation of the signs. CBBEP used staff members to install the signs on bollards at Packery Flats Coastal Habitat. CBBEP strategically installed the signs in areas that are more heavily utilized by the public.

Task 4: Reporting

CBBEP submitted monthly reports to the GLO on the specified time and date. CBBEP drafted the final report and submitted it as a draft to the GLO on 3.22.2024. GLO provided comment on the final report which CBBEP revised and resubmitted the report as a final report on 3.28.24

A photographic report including the installed signage and before, during, and after pictures of the installed bollards and limestone road base is included as EXHIBIT A.

EXHIBIT A:



Figure 1: Before bollards along HWY 361



Figure 2: Example broken bollard before construction.



Figure 3: broken bollard with old cable



Figure 4: marked bollard to be removed/replaced



Figure 5: bollards to be installed at Packery Flats



Figure 6: Bollards placed to be installed



Figure 7: Installing bollards



Figure 8: using hydraulic hammer to install bollards



Figure 9: installed bollards around parking area



Figure 10: installed bollards along HWY 361



Figure 11: Installed temporary construction sign



Figure 12: example of material used to install signs



Figure 13: installing signs



Figure 14: installing permanent CMP signage



Figure 15: Installed permanent CMP signage at the Packery Flats Parking area



Figure 16: installed "no vehicles beyond bollards" sign



Figure 17: Spreading limestone road base



Figure 18: limestone road base



Figure 19: Material added to nature trail



Figure 20: material added to parking area