

ATTACHMENT 3: CAP REVIEW COORDINATION SHEETS

Project Information Sheet

April 2021

Project Name: Mary Rhodes Pump Station – Bay City, Matagorda County, TX

CAP Authority: Section 14 of the Flood Control Act of 1946 (P.L. 79-526) as amended, Emergency Streambank and Shoreline Protection

P2 Number: 471826

District: Galveston District

District Contact: Reuben Trevino, Project Manager SWG, (409) 926-1329

RMO: SWG.

RMO Contact: Adrienne Carter, Program Manager, (469) 487-7057

Location: The City of Corpus Christi's intake structure, also known as the Mary Rhodes Pump Station, is located along the Colorado River near Bay City, Matagorda County, Texas

Authority: The study Authority for this report is contained in Section 14 of the Flood Control Act of 1946 (33 CFR § 263.25), as amended by section 27 of the Water Resources Development Act approved March 7, 1974.

Sponsor: City of Corpus Christi, Texas, Water Utilities Department

Project Area: The City of Corpus Christi's intake structure, also known as the Mary Rhodes Pump Station, is located along the Colorado River near Bay City, Matagorda County, Texas. Bay City, the County Seat of Matagorda County, is 78 miles west of Houston, TX and 183 miles east-southeast from San Antonio. The project is located along the portion of the streambank upstream of the Texas State Highway 35 Bridge, which crosses over the Colorado River west of Bay City in Matagorda County (Figure 2).

The pump station facility covers 27 acres, including two water treatment ponds, pumping stations, water treatment purifiers and chlorinators, waterlines, electrical lines, and access roads, on the Colorado River.

Problem Statement: The City of Corpus Christi has dealt with significant streambank erosion along the portion of the Colorado River at the Mary Rhodes Pump Station. As such, infrastructure is being threatened. The project site begins approximately 1,000 feet upstream of the Mary Rhodes Pump Station and continues downstream for approximately another 1,000 feet, making the total length of the project approximately 2,000 feet. The project is located along the portion of the streambank upstream of the Texas State Highway 35 Bridge, which crosses over the Colorado River west of Bay City in Matagorda County. The Mary Rhodes Pump Station provides fresh water to the citizens of Corpus Christi and surrounding area. The erosion has caused the bank to recede approximately 10-12 feet since 2014 and is approximately 15 to 40 feet from the utility in various locations along the project area (Figures 3 and 4). In addition, power lines are in imminent danger of failure, as the erosion is already approaching the foundation of the power line poles.

Federal Interest: +Federal interest for a Section 14 CAP project is met for this study, as this is a public facility owned by a non-profit organization which provides public services

to all on equal terms. The facilities have been properly maintained; however, they are in imminent threat of failure from significant streambank erosion along the Colorado River from flood waters of Hurricane Harvey and subsequent rain events. For these reasons, this project meets the CAP criteria and a local Sponsor willing to cost share for the feasibility costs over \$100,000, as indicated in their letter of intent. This support would be further assessed early in the feasibility study. A site visit was conducted in March 2019. Based on all available information to date, a strong potential for Federal Interest is confirmed. The range of estimated costs for bank stabilization are \$2.25M - \$9.7M. **Risk Identification:** No potential Planning or PM risks have been identified leading up to the Federal Interest Determination. The PDT will identify risks associated with their disciplines.

Milestone Schedule

| | Scheduled | Actual | Complete |
|---------------------------------|-------------|-------------|----------|
| Federal Interest Determination: | 04-Sep-2021 | 04-Sep-2021 | Yes |
| Tentatively Selected Plan: | June 2021 | | |
| Release Draft Report to Public: | Oct 2021 | | |
| Final Report Transmittal: | Feb 2-22 | | |

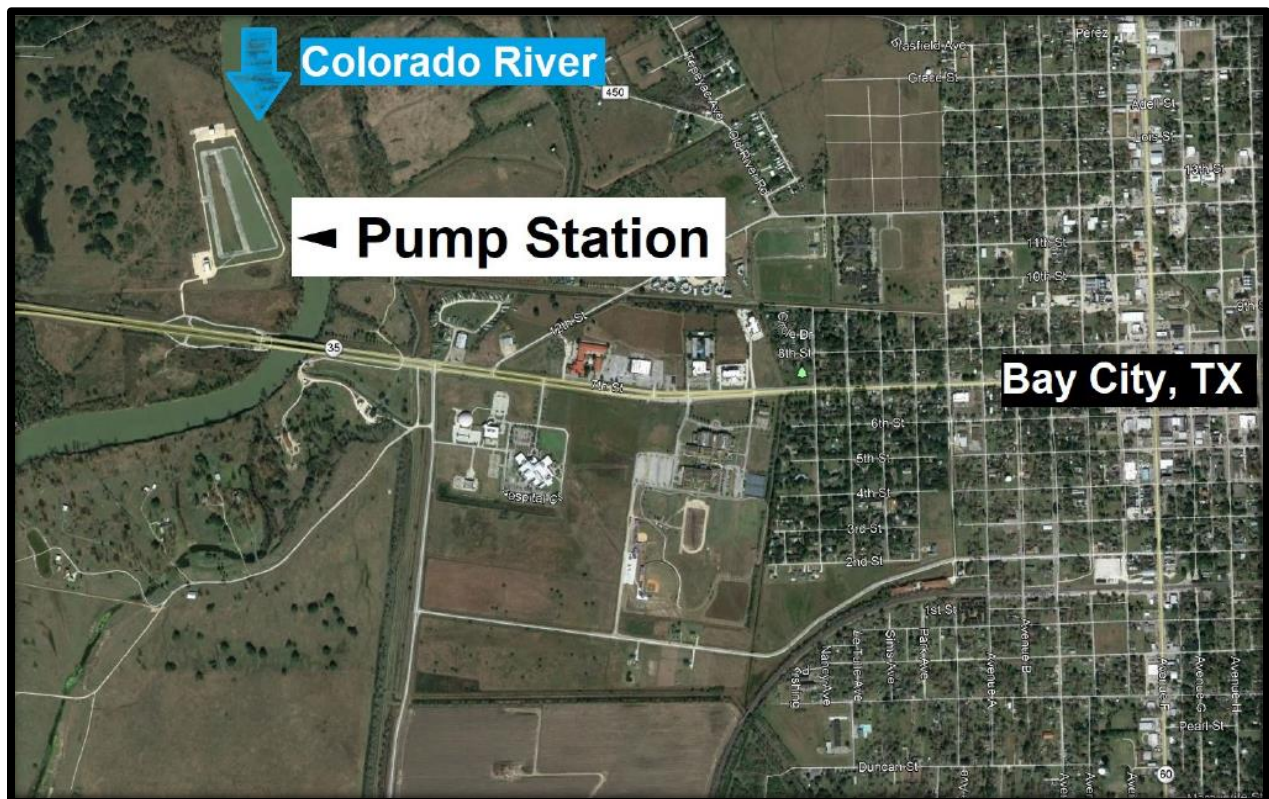


Figure 1: Overview of Project Area



Figure 2: Streambank Erosion at Mary Rhodes Pump Station



Figure 3: Streambank erosion close to utilities at Mary Rhodes Pump Station

Table 1: Levels of Review

| Product(s) to undergo Review | Review Level | Start Date | End Date | Cost |
|-------------------------------------|-----------------------------|-------------------|-----------------|-------------|
| Draft Feasibility Report and EA | DQC & Legal Review | 27-Sep-21 | 15-Oct-21 | \$8,000.00 |
| Draft Feasibility Report and EA | ATR, Policy & Public Review | 18-Oct-21 | 30-Nov-21 | \$8,000.00 |
| Final Feasibility Report and EA | DQC & Legal Back check | 03-Jan-22 | 14-Jan-22 | \$3,000.00 |
| Final Feasibility Report and EA | ATR & Policy Back check | 17-Jan-22 | 28-Jan-22 | \$3,000.00 |

MODELS

| Anticipated Planning and Engineering Models | | | |
|--|---|------------------------|--------------------------------|
| Model Name and Version | Brief Description of the Model and How It Will Be Applied in the Study | Approval Status | Peer Review Anticipated |
| N/A | | | |