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## CITY OF PORT LAVACA

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COUNCIL MEETING: MAY 8, 2023

AGENDA ITEM \_\_

DATE: 3.04.2023

TO: HONORABLE MAYOR AND CITY COUNCIL MEMBERS

FROM: JODY WEAVER, INTERIM CITY MANAGER

SUBJECT: **GLO CEPRA CYCLE 13 Gant Applications for Harbor of Refuge and Lighthouse Beach**

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### BACKGROUND:

As you may recall, last year we applied for and were successful in having an erosion protection project for three separate shorelines in our Harbor of Refuge tract included in the 2023 GLO Coastal Resiliency Maser Plan. These three projects, which are conceptually illustrated on the attached exhibits, were approved as a single Tier 1 priority project. We have been working with Mott McDonald, who is the engineer for our CDBG-DR Coastal Resiliency Living Shoreline project, to prepare and propose the submittal of a pre-proposal to the General Land Office for a CEPRA (Coastal Erosion Planning Response Act) Grant to fund the Phase 1 Engineering for this **Harbor of Refuge shoreline protection project**, which includes preliminary engineering, permitting and final design. Pre-proposals are due on June 7, 2023.

For clarification regarding the Interior Harbor shoreline (Old Landfill), we have received approval from TCEQ to construct an initial Voluntary restoration of the eroded shoreline along the old landfill site. The approved plan involves regrading the site to flatten the slope along the shoreline and then cap with clay, top-soil and seed. We are hoping this work can be accomplished with anticipated CDBG-Mitigation dollars. The anticipated CEPRA funded project will provide a long-term solution for this shoreline by adding ACBM (Articulated Concrete Block Mattress) on top of the regrading work that we will plan to do in the short term. *See the projected timeline for the CEPRA grant project on the following page.*

We are proposing also to submit a pre-proposal to fund a feasibility study of the Lighthouse Beach area to include data collection, a coastal engineering analysis, develop alternatives to meet project goals and determine the preferred alternative project that could be the subject of a future CEPRA grant application for construction. The main project goals for the **Lighthouse Beach Restoration Project** are to nourish the recreational beach, protect and enhance the adjacent wetlands using living shoreline techniques and marsh creation, and modify the existing coastal structures around the beach to retain sand on the beach and reduce sediment in the boat ramp area.

Attached is a resolution authorizing submittal of both applications and committing to the required local funds match amount and establishing/maintaining public access. Below are the estimated engineering fees of the proposed projects, showing the amount that the City would be responsible for, as matching funds.

For the Lighthouse Beach, we're proposing a feasibility study only with this application. The estimate for engineering fee for the feasibility study is \$125,000, so a 40% cost share comes to \$50,000.

ESTIMATED ENGINEERING FEES	total	City	CEPRA
Interior Harbor Shoreline (old Landfill)	\$252,000	\$100,800	\$151,200
Harbor Peninsula Shoreline	\$214,000	\$85,600	\$128,400
South Harbor Wetland Shoreline	\$222,000	\$88,800	\$133,200
<b>Entire Project</b>	<b>\$688,000</b>	<b>\$275,200</b>	<b>\$412,800</b>

I have verified with the Matagorda Bay Mitigation Trust that the \$200,000 that they awarded to us for the Phase 1 engineering for the old Landfill Shoreline, may be used towards the match for this entire project (which also involves the other two shorelines). **Therefore, the required match of City funds is \$75,200 for the Harbor of Refuge project and \$50,000 for the Lighthouse Beach project.** We anticipate knowing whether we are awarded a grant sometime in August. **No local dollars will be needed until FYE 2024, so we can budget these funds in next year's budget.**

Because the Harbor of Refuge project is a Tier 1 priority project in the Coastal Resiliency Masterplan, if we are successful with a CEPRA grant application next year for construction, GLO will fund all of the construction with GOMESA funds.

Now the Lighthouse Beach project is not in the Masterplan, however once we have a study and plan for design, we will be in a position to make application to various grants including CEPRA for partial funding.

In order to qualify for this funding, we need to also commit that the areas where grant dollars are used will have public access. **We have discussed this with the Port Commission and public access can be provided via an access easement similar to the rights-of-way and public dock area that currently exists adjacent to Tract 3 in the Harbor of Refuge Channel.** We do not have to identify specifically where the access path is at this point, but we can anticipate that it may be along what has historically been used as the path to the wetlands area from Bredan Road, near the current brush site. Access to the shoreline of the Harbor Peninsula would be via an extension of or adjacent to Montier Street. Of course, Lighthouse Beach has complete public access already.

For your reference, below is a "best guess" timeline for the Harbor of Refuge Project:

June 2023 – Submit GLO CEPRA grant application for Phase 1 and Phase 2 Engineering (showing in-kind match from City and the Matagorda Bay Mitigation Trust)

Aug/Sept 2023 – notification of award of GLO CEPRA grant. Begin negotiation of PCA (partner cooperation agreement) between the GLO and the City.

Dec 2023 – execution of PCA. Begin request for scope of work from Engineer.

March 2024 – agreement on scope of work from Engineer. Start GLO task order execution

May 2024 – NTP for engineering to start (**when CEPRA match engineering dollars will begin to be needed**)

Dec 2024 – submit Permit to USACE.

June 2025 – submit GLO CEPRA grant application for Construction of Project. Assume PCA completed and in place by Dec 2025.

December 2025 – receive Permit from USACE

February 2026 – complete 100% design with completed construction contract documents ready to bid

April 2026 – GLO bids project for construction

Dec 2026 – Construction Complete.

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### **RECOMMENDATION:**

Approve the Resolution as presented, committing \$125,200 of General Fund Dollars plus the \$200,000 grant from the Matagorda Bay Mitigation Trust as the local match and committing to establishing and maintaining public access to these shorelines.

### **ATTACHMENTS:**

- Interior Harbor Shoreline (old landfill)
- Harbor Peninsula Shoreline (This peninsula is less than 1/3<sup>rd</sup> the width it was in the late 1980's)
- South Harbor Shoreline project

1/20/23



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