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CITY OF PORT LAVACA

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# 4A

**PORT COMMISSION MEETING:** 11.15.2022

**DATE:** 11.14.2022

**TO:** PORT COMMISSION CC: J. RUDELLAT

**FROM:** JODY WEAVER, INTERIM CITY MANAGER

**SUBJECT: BREAKWATER/CDBG-MIT COASTAL RESILIENCY PROJECT / RESTORE GRANT**

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TPWL GRANT – NAUTICAL LANDINGS BREAKWATER

- No new update. Still waiting on the TPWL contract

CDBG-MIT Coastal Resiliency

- Attached is a copy of the October 2022 Mott MacDonald Progress Report.
- Below is a link to Mott MacDonald's presentation on the Coastal Engineering Analysis performed and the Alternatives being considered which was presented at a meeting on November 4.  
[https://cleargov.com/texas/calhoun/city/port-lavaca/projects/7897/living-shoreline-breakwater-\\_glo-cdbg\\_mit-coastal-resiliency-grant](https://cleargov.com/texas/calhoun/city/port-lavaca/projects/7897/living-shoreline-breakwater-_glo-cdbg_mit-coastal-resiliency-grant)

RESTORE

- No new update. Still waiting on the TCEQ contract.

# Monthly Progress Report

Reporting Period: October 2022

## Project Information

Project Name	Port Lavaca Living Shoreline Breakwater
City Resolution	R-050922-5
CDBG-MIT Contract	20-087-001-D226
City PM	Jody Weaver
Mott MacDonald PM	Josh Carter
Mott MacDonald Project Number	507107066
Date	11/02/2022

## Project Milestones

Milestone Description	Date (Actual=A)	Notes
<b>Task 1: Project Kickoff</b>		
Project Kickoff Meeting	6/8/2022 (A)	
Memorandum of Project Understanding	6/21/2022 (A)	
<b>Task 2: Data Collection and Analysis</b>		
Collect available coastal processes data	7/29/2022 (A)	
Collect USACE historical survey data		Not yet started
Collect new bathymetric and topographic data	8/3/2022 (A)	New data collection complete
Collect new geotechnical data	11/9/2022	Not Started; wait for template design
Collect new cultural resources data	11/9/2022	Not Started; wait for template design
Collect new habitat data	11/9/2022	Not Started; wait for template design
Technical memorandum on data collection	11/18/2022	In progress
<b>Task 3: Coastal Analysis, Alts Development, Alt Eval</b>		
Coastal Engineering Analysis	11/4/2022 (A)	Via presentation 11/4/2022
Alternatives Development	10/12/2022	In progress
Meeting on Alternatives Development	11/4/2022 (A)	Scheduled for 11/4/2022
Alternatives Evaluation	12/21/2022	
Meeting on Alternatives Evaluation	12/21/2022	
Tech Memo on CEA and Alts Analysis	1/13/2023	
<b>Task 4: Preliminary Design</b>		
Prelim design: 30% plans, cost, report	1/25/2023	
<b>Task 5: Regulatory Compliance</b>		
Prepare application and permit plans	2/8/2023	
<b>USACE Regulatory Permitting</b>		
USACE pre-application meeting	3/8/2023	
Submit USACE Permit Application	3/22/2023	
Issuance of USACE Permit	11/1/2023	

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Milestone Description	Date (Actual=A)	Notes
<b>TXGLO Coastal Lease</b>		
Submit coastal lease application to GLO	3/22/2023	
<b>Task 6: Engineering Design</b>		
Submit 70% Design	3/22/2023	
Submit 95% Design	5/31/2023	
Develop for proposal package	11/23/2023	
<b>Task 7: Construction Proposal Solicitation Assistance</b>		
Out to bid	12/27/2023	
Issue Construction NTP	4/3/2024	

## Project Budget

Budget Summary	% Complete by Budget	notes
Task 1: Develop Project Understanding	100%	
Task 2: Data Collection and Analysis	78% Mott / 11% by sub	Only bathy survey has been conducted to date.
Task 3: Coastal Analysis, Alts Development, Alts Eval	50%	Work ongoing
Task 4: Preliminary Design	0%	
Task 5: Regulatory Compliance	0%	
Task 6: Final Design	0%	
Task 7: Bidding Phase Services	0%	
Task 8: Engineering Services during Construction	0%	
Task 9: Project Management	5%	
<b>Overall</b>	<b>12%</b>	

## Activities Performed This Period

<b>Activity Summary</b>
<b>Task 1: Project Kickoff</b>
<ul style="list-style-type: none"> <li>Task Completed</li> </ul>
<b>Task 2: Existing and New Data Collection</b>
<ul style="list-style-type: none"> <li>Bathy and magnetometer survey completed 8/3/2022; deliverable received 8/9/2022. Survey deliverable submitted</li> <li>Ongoing: USACE coordination on historical dredging data of Port Lavaca Channel and other information on Matagorda Channel deepening. USACE slow to respond. Note this is not impacting project schedule</li> <li>Other new data collection – geotechnical, habitat surveys, cultural resources surveys - waiting development of draft project template to direct location of that data collection</li> </ul>
<b>Task 3: Coastal Analysis, Alts Development, Alts Evaluation</b>
<ul style="list-style-type: none"> <li>Coastal data processing and analysis is complete</li> <li>New bathy data incorporated into larger scale bathymetric surface of Lavaca and Matagorda Bay is complete. This is basis of modeling, analysis and design to progress through next tasks</li> <li>Coastal modeling of site ongoing <ul style="list-style-type: none"> <li>Storm surge model is set up for existing conditions; finalizing runs and evaluation of results now. Additional runs required for evaluation of alternatives</li> <li>Local wave model is set up for existing conditions; runs for existing conditions complete.</li> </ul> </li> </ul>



### Activity Summary

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- Modeling of flushing of harbor for existing and base alternative complete.
  - Reporting
    - Preparing for meeting on CEA and alternatives development with the City and KSBR on 11/4/2022
    - Initiated drafting of CEA and Alternatives Development memo.
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#### Task 4: Preliminary Design

- Not yet started
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#### Task 5: Regulatory Compliance

- Not yet started
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#### Task 6: Final Design

- Not yet started
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#### Task 7: Bidding Phase Services

- Not yet started
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#### Task 8: Construction Proposal Solicitation Assistance

- Not yet started
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#### Task 9: Project Management

- Ongoing internal project management e.g. scheduling, invoicing, resourcing, etc.
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### Anticipated Effort Next Period

- Development of project alternatives after input from the City
- Evaluate set of project alternatives after input from the City
- If possible, initiate habitat, cultural resources, and geotechnical investigations (pending agreement on project footprint)
- Continue to coordinate with USACE for available data

### Outstanding Items

- USACE has not responded to coordination requests. Mott will continue outreach. Note this is not slowing project progress

Please do not hesitate to contact me if you have any questions or comments.

Sincerely,



Josh Carter, PE, D. CE

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