

Monthly Progress Report

Reporting Period: 7/1 through 9/30 2024

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/Coast and Harbor Engineering PM	Alfredo Reza/Thomas Everett
Mott MacDonald Project Number	507107066
Date	10/1/2024

Project Milestones

Milestone Description	Date (Actual=A)	Notes
Task 1: Project Kickoff		
Project Kickoff Meeting	6/8/2022 (A)	
Memorandum of Project Understanding	6/21/2022 (A)	
Task 2: Data Collection and Analysis		
Collect available coastal processes data	7/29/2022 (A)	
Collect new bathymetric and topographic data	8/3/2022 (A)	Complete
Collect new geotechnical data	8/4/2023 (A)	Complete
Collect new cultural resources data	5/10/2024 (A)	Complete
Collect new habitat data	7/21/2023 (A)	Complete
Technical memorandum on data collection	10/13/2023 (A)	Complete
Task 3: Coastal Analysis, Alts Development, Alt Eval		
Coastal Engineering Analysis	11/4/2022 (A)	Completed via presentation 11/4/2022
Alternatives Development	11/4/2022 (A)	Completed via presentation 11/4/2022
Meeting on Alternatives Development	11/4/2022 (A)	Completed in person
Alternatives Evaluation	2/20/2023 (A)	Complete
Meeting on Alternatives Evaluation	2/22/2023 (A)	Complete
Tech Memo on CEA and Alts Analysis	10/13/2023 (A)	Complete; as part of 30% report
Task 4: Preliminary Design		
Prelim design: 30% plans, cost, report	10/13/2023 (A)	Complete; submitted 10/13/2023
Task 5: Regulatory Compliance		
Prepare application and permit plans	04/10/2024 (A)	Complete
USACE Regulatory Permitting		
USACE pre-application meeting	3/07/2024 (A)	Complete
USACE Joint Evaluation Meeting	4/10/2024 (A)	Complete
Submit USACE Permit Application	4/17/2024 (A)	Complete
Address comments from public notice and resubmit	9/3/2024 (A)	Complete
Issuance of USACE Permit	12/17/2024	Assuming 9 months to issue permit
TXGLO Coastal Lease		
Submit coastal lease application to GLO	10/24/2024	Will time this to wait until we know USACE is preparing approved permit
Task 6: Engineering Design		

Milestone Description	Date (Actual=A)	Notes
Submit 70% Design	10/11/2024	<i>In progress. Anticipate early November</i>
Submit 95% Design	12/20/2024	
Develop for proposal package	01/17/2025	Set to 1 month after receipt of permit
Task 7: Construction Proposal Solicitation Assistance		
Out to bid	04/2025	
Issue Construction NTP	05/2025	

Project Budget

Budget Summary	% Complete by Budget	notes
Task 1: Develop Project Understanding	100%	
Task 2: Data Collection and Analysis	100% Mott / 98% by sub	
Task 3: Coastal Analysis, Alts Development, Alts Eval	100%	
Task 4: Preliminary Design	100%	
Task 5: Regulatory Compliance	81%	Coordination on CR surveys, Permit application submitted, Waiting on comments
Task 6: Final Design	30%	70% design and specs in progress
Task 7: Bidding Phase Services	0%	
Task 8: Engineering Services during Construction	0%	
Task 9: Project Management	60%	
Overall	48%	

Activities Performed This Period

Activity Summary

Task 1: Project Kickoff

- Task Completed

Task 2: Existing and New Data Collection

- Bathymetry and magnetometer survey completed 8/3/2022; deliverable received 8/9/2022. Survey deliverable submitted.
- Geotech data collection complete. Work in field began 6/26/23. Deliverable received 8/4/23. Geotech report finalized by subcontractor 11/9/23. Internal Geotech analysis for breakwater design finalized. Design report completed.
- Habitat Survey was conducted 6/12-6/22/2023. Deliverable received 7/21/23
- Cultural resources surveys have been given NTP; Marine and terrestrial Antiquities Permit applications have been approved by the THC; field survey completed March 2024. Cultural Resources report submitted 5/10.

Task 3: Coastal Analysis, Alts Development, Alts Evaluation

Task Completed

Task 4: Preliminary Design

- Task Completed

Task 5: Regulatory Compliance

- Permit application development in progress. Coordination with subcontractor (Triton) on permit application progress.
 - Permit drawings finalized

Activity Summary

- Permit application package near completion
 - Pre-application meeting with USACE scheduled 3/7/24
 - Ongoing coordination with subcontractor (Gray and Pape) on Texas antiquities permit and cultural resources survey.
 - Field surveys conducted week of 2/26/24 and 3/4/24
 - USACE Joint Evaluation Meeting conducted April 10 2024
 - Permit application submitted April 17 2024
 - Ongoing permit application coordination with USACE and Triton (Environmental sub). Addressed comments from public notice period – Aug 2024. Submitted responses to USACE – Sep 2024
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Task 6: Final Design

- Work toward 70% design drawings, cost estimates, and design specifications
 - Developed bid scheme alternatives in coordination with CPL
 - Coordination with reef manufacturer on design and CAD shapes for 70% design drawings
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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

- Perform coastal boundary survey
- Finalize 70% design: specifications, cost estimate, and design (anticipate 11/4)
- Ongoing permitting coordination with Triton and USACE
- Continue monthly invoicing against second milestone draw (Final Design).

Outstanding Items

None

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

Sincerely,



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