

4b.

Jody Weaver

From: Thomas Everett <Thomas.Everett@mottmac.com>
Sent: Wednesday, January 10, 2024 10:39 AM
To: Jody Weaver; Veronica Pauda
Cc: Joshua Carter
Subject: RE: CPL Living Shoreline Breakwater - November-December Progress Report

Jody,

We don't have anything on the calendar yet with the COE. Our environmental sub is working toward finalizing the permit application. They expect us to begin engaging with the COE at the end of the month/early February and will try for a JEM meeting by mid-February.

Let me know if you have any questions about this.

Thanks,
Thomas

Thomas Everett, PE

Pronouns: he, him, his
Project Manager - Coastal

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From: Jody Weaver <jweaver@portlavaca.org>
Sent: Monday, January 8, 2024 9:36 AM
To: Thomas Everett <Thomas.Everett@mottmac.com>; Veronica Pauda <veronica@ksbr-llc.com>
Cc: Joshua Carter <Joshua.Carter@mottmac.com>
Subject: RE: CPL Living Shoreline Breakwater - November-December Progress Report

Thomas/Joshua,

I'm working on my monthly report to the Port Commission. What is the status of meeting with the COE?

Jody

From: Thomas Everett <Thomas.Everett@mottmac.com>
Sent: Tuesday, January 2, 2024 2:04 PM
To: Jody Weaver <jweaver@portlavaca.org>; Veronica Pauda <veronica@ksbr-llc.com>
Cc: Joshua Carter <Joshua.Carter@mottmac.com>
Subject: CPL Living Shoreline Breakwater - November-December Progress Report

Jody,

Please find our progress report for November 9th – December 31st attached in this email. Let me know if you have any questions.

Monthly Progress Report

Reporting Period: 11/9 through 12/31 2023

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	Thomas Everett
Mott MacDonald Project Number	507107066
Date	1/2/2024

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 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	8/4/2023	Field data 6/26 to 29, 2023; data collection lab work memo from subcontractor received 11/9/2023, MM geotechnical analysis in progress 12/31/2023
Collect new cultural resources data	8/31/2023	Work initiated; progressing; Data collection expected Jan 2024
Collect new habitat data	7/21/2023 (A)	Field work complete 6/12-16 2023; report 7/21/2023
Technical memorandum on data collection	10/13/2023 (A)	Complete; as part of 30% report
Task 3: Coastal Analysis, Alts Development, Alt Eval		
Coastal Engineering Analysis	11/4/2022 (A)	Via presentation 11/4/2022
Alternatives Development	11/4/2022 (A)	Via presentation 11/4/2022
Meeting on Alternatives Development	11/4/2022 (A)	Completed in person on 11/4/2022
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	01/24/2024	In development
USACE Regulatory Permitting		
USACE pre-application meeting	01/24/2024	In development
Submit USACE Permit Application	02/07/2024	
Issuance of USACE Permit	10/18/2024	Assuming 9 months to issue permit
TXGLO Coastal Lease		
Submit coastal lease application to GLO	4/1/2024	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	4/1/2024	
Submit 95% Design	7/29/2024	
Develop for proposal package	11/18/2024	Set to 1 month after receipt of permit
Task 7: Construction Proposal Solicitation Assistance		
Out to bid	01/2025	
Issue Construction NTP	02/2025	

Project Budget

Budget Summary	% Complete by Budget	notes
Task 1: Develop Project Understanding	100%	
Task 2: Data Collection and Analysis	98% Mott / 90% by sub	Survey, Geotech, Habitat surveys complete; Geotech lab work complete, Geotech analysis in progress, Cultural Resources work in progress
Task 3: Coastal Analysis, Alts Development, Alts Eval	100%	
Task 4: Preliminary Design	100%	
Task 5: Regulatory Compliance	53%	Coordination on CR surveys, Permit application development in progress
Task 6: Final Design	5%	
Task 7: Bidding Phase Services	0%	
Task 8: Engineering Services during Construction	0%	
Task 9: Project Management	62%	
Overall	51%	

Activities Performed This Period

Activity Summary

Task 1: Project Kickoff

- Task Completed

Task 2: Existing and New Data Collection

- Bathy 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 in progress.
- 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 expected January 2024.

Task 3: Coastal Analysis, Alts Development, Alts Evaluation

- Coastal data processing and analysis is complete
- Coastal modeling of site is complete

Activity Summary

- Storm surge model is set up for existing conditions; runs complete.
- Local wave model is set up for existing conditions; runs for existing conditions complete.
- Modeling of flushing of harbor for existing and w/ project conditions complete.
- Alternatives development
 - Completed development of alternatives for evaluation.
 - Modeling of proposed alternatives are complete
 - Wave transmission through artificial reefs
 - Typical wave conditions
 - Storm wave conditions
 - Flushing of alternatives
 - Developed and evaluated breakwater modifications based on initial evaluation for improvements to water quality (flushing) and wave protection; work complete.
- Reporting
 - Conducted meeting on CEA and alternatives development with the City and KSBR on 11/4/2022 to discuss avoidance and minimization of impact to habitat
 - Completed drafting of CEA and Alternatives Development and Evaluation memo submitted 10/13/2023.
 - Conducted meeting on Alternatives Analysis with the City and KSBR on 2/22/2023
 - Conducted meeting on Alternatives Analysis results with the City and KSBR 10/24/23
- Revisions to preferred alt required due to results of habitat survey. New alignment was developed and evaluated in the numerical model.

Task 4: Preliminary Design

- 30% design plans complete, submitted 10/13/2023.
- Completed developing preliminary geometric design of structures

Task 5: Regulatory Compliance

- Permit application development in progress. Coordination with subcontractor (Triton) on permit application progress.
 - Permit drawings in progress
- Ongoing coordination with subcontractor (Gray and Pape) on Texas antiquities permit and cultural resources survey.

Task 6: Final Design

- Development of design specifications document in progress
- Updates and modifications to 30pct design layout

Task 7: Bidding Phase Services

- Not yet started

Task 8: Construction Proposal Solicitation Assistance

- Not yet started

Task 9: Project Management

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

- Complete field work for cultural resources investigations
- Complete preliminary geotechnical engineering
- Preliminary design documentation after receipt of field data (cultural resources)
- Permit application development and preparation for USACE JEM meeting
- Continue monthly invoicing against second milestone draw (Final Design).

Outstanding Items

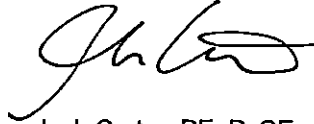
None

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

Sincerely,



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