

Monthly Report No. 031

November 3, 2023 – November 30, 2023

KAPALAMA CONTAINER TERMINAL WHARF AND DREDGING

Job HC 10498

Honolulu Harbor, Oahu, Hawaii

Prepared for:



State of Hawaii
Department of Transportation
Harbors Division

Prepared by:



Harbors Project No. H.C. 10498

MONTHLY REPORT NO. 031

Period of November 3 – November 30, 2023
Kapalama Container Terminal Wharf and Dredging
Honolulu Harbor, Oahu, Job HC 10498
State of Hawaii, Department of Transportation, Harbors Division
Contract No. 69245

A. PROJECT SUMMARY

Project:	Kapalama Container Terminal Wharf and Dredging
Project Number	HC 10498
Location	Honolulu Harbor, Oahu
Owner	State of Hawaii Department of Transportation; Harbors Division
Design Consultant	Moffatt and Nichol
General Contractor	Kiewit Infrastructure West Co.
Construction Manager	Yogi Kwong Engineers, LLC
Notice to Proceed Date	January 4, 2021
Contract Completion Date	April 4, 2024 (To Be Amended) July 31, 2025 (Pending New Contract Amendment)

B. CURRENT PROJECT SCHEDULE (See next page)

MAJOR ACTIVITY:	COMPLETION DATES AS OF KIWC OCTOBER 2023 SCHEDULE:					DD-MON-YYYY: ACTUAL COMPLETION DATE (Month Year) = Anticipated Completion Date**
	PIER 41	PIER 42	SNUG HARBOR	PIER 43	HC 10502 (Ph 1)	
HDD Submarine Water Line - Completed	N/A	N/A	N/A	21-July-2023	N/A	
<i>Mass Grading</i>	13-May-2021	06-July-2021	N/A	(August 2023)	N/A	
Landside Demolition - Completed	13-April-2021	27-April-2021	N/A	16-Feb-2022	N/A	
In-Water Demolition - Completed	29-Oct-2021	N/A	19-Nov-2021	N/A	N/A	
<i>Stone Columns (Pre-drill)</i>	06-Oct-2021	5-Aug-2021	6-July-2022	(August 2023)	N/A	
<i>Stone Columns (Installation)</i>	14-Oct-2021	12-Aug-2021	6-July-2022	(September 2023)	N/A	
<i>Combi-Wall (Pre-Drill)</i>	29-Oct-2021	17-Dec-2021	29-Sept 2022	(October 2023)	N/A	
<i>Combi-Wall (Installation)</i>	28-Sept-2022	28-April-2023	4-Nov-2022	(November 2023)	N/A	
<i>Surcharge Period</i>	28-April-2023	N/A	(September 2024)	N/A	N/A	
<i>Tie Rods</i>	25-April-2023	(January 2024)	(October 2024)	(June 2024)	N/A	
Capping Beam	(April 2024)	(February 2024)	(March 2024)	(June 2024)	N/A	
<i>Tie Rod Deadman</i>	22-Dec-2022	N/A	N/A	N/A	N/A	
Land Side Crane Rail Beam	N/A	(January 2024)	(August 2023)	(April 2024)	N/A	
<i>Water & Electrical Utilities</i>	(October 2023)	(September 2024)	(October 2024)	(July 2024)	N/A	
<i>Drainage Structures</i>	(March 2024)	(January 2025)	(October 2024)	(August 2024)	N/A	
Water Side Crane Rail Beam	N/A	(June 2024)	(August 2024)	(October 2024)	N/A	
<i>Concrete Tie-Beam</i>	N/A	(August 2024)	(September 2024)	(February 2025)	N/A	
Crane Rails Installed	N/A	(December 2024)	(February 2025)	(April 2025)	N/A	
Crane Substation Switchgear & Transformer Delivered to KCT	N/A	(Dec 2023 – Jan 2024)	N/A	N/A	N/A	
Crane Substation	N/A	(December 2024)	N/A	N/A	N/A	
Dredging	(April 2024)	(April 2025)	(April 2025)	(September 2024)	N/A	
Fenders Installed	(October 2024)	(January 2025)	(February 2025)	(July 2025)	N/A	
PCC Pavement	(September 2024)	(November 2024)	(January 2025)	(May 2025)	(July 2024)	
<i>Cathodic Protection</i>	(July 2024)	(November 2024)	(January 2025)	(May 2025)	N/A	
<i>Pavement Striping</i>	(August 2024)	(January 2025)	(February 2025)	(July 2025)	(September 2024)	
TWIC Fencing	N/A	N/A	N/A	(July 2025)	(September 2024)	
PROJECT COMPLETION	(JULY 31, 2025)					

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C. ACTIVITIES

Work observed at Pier 41:

- KIWC and HRSPI continued to install the rebar cage of Trench Drain #3 and Pour #0.
- KIWC poured Trench Drain #3 Pour 2, 3, 4, and 6B.
- KIWC resumed dredging work to generate surcharge material.
- KIWC installed drill and epoxied rebar embeds for new expansion joint at the corner of Pier 41/42.

Work Observed at Pier 42:

- KIWC backfilled, compacted, and tested structural fill behind Pour #1 and 2 of the combi-wall capping beam and the landside crane rail beam.
- KIWC continues their work on the concrete bulkhead capping beam at sections Pour #5, 6 and 9. Work included installation of the tie rods and rebar cages.

Work Observed at Pier 43:

- KIWC completed installation of all king piles along Pier 43 near Sand Island Access Road.
- KIWC completed installation of all stone column improved soil in temporary area in front of the bulkhead wall.
- KIWC removed the concrete formwork off the concrete landside crane rail beam at section Pour #6.

Work Observed at Snug Harbor:

- KIWC began work to install surcharge material.

Work Observed at PCCP:

- No work observed.

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D. AERIAL PHOTOGRAPH



April 2023



July 2023

E. PROJECT PHOTOGRAPHS (See attached Sheets)

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Pier 41: KIWC Bridge and Marine crew continued in water dredging



KIWC backfilling along the landside of LSCRB pour #1.



View of TD-3 pour #3 post pour.



KIWC dredging along the pier 41 capping beam.



View of dredged spoils on snug harbor fill.



KIWC dredging along the pier 41 capping beam.

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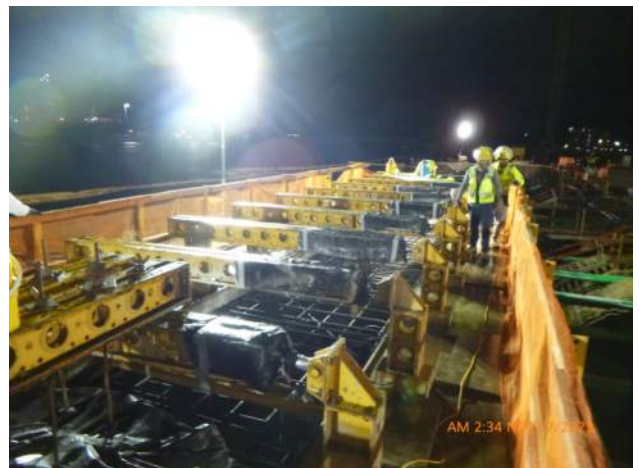
View of full depth vibration monitor locations in snug harbor fill.



KIWC performing corrections to capping beam pour #7 rebar cage.



KIWC finished installing sheet piles for the shift on Pier 43



KIWC pouring concrete for capping beam pour #7 on Pier 42.



PCCP: HRSPI crew continued to install the CSL tubes into the 36-inch CIDH rebar cage



Pier 43: KIWC civil crew constructed riprap at the water edge

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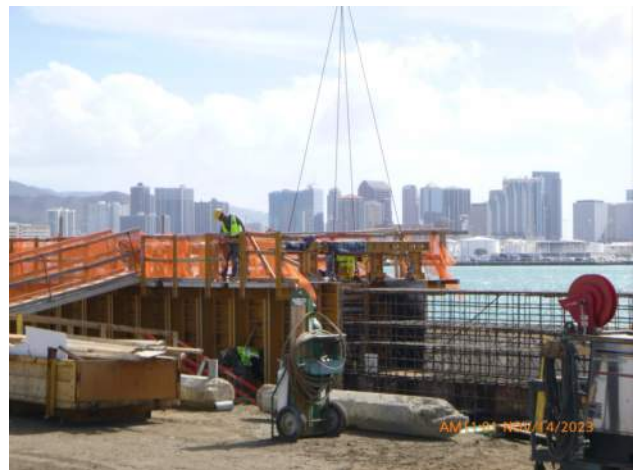
KIWC installing stone columns on pier 43.



View of predrilled holes in test area 1.



KIWC excavating on the landside of the snug harbor cutoff wall.



KIWC installing formwork around capping beam pour #9 on pier 42.



View of the waterstop installation for the TD-3 P6B pour



KIWC and HRSPI prepping to install a rebar cage for P2 of TD-3 on Pier 41

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MPE on site performing concrete testing for the deadman P0 concrete pour



KIWC finishing the deadman P0 pour on Pier 41



KIWC civil crew assisting the dredging operation on Pier 41



KIWC continued dredging on Pier 41



KIWC placing dredge spoils into the CAT 730 dump truck on Pier 41



KIWC installing formwork around capping beam pour #9.

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KIWC finishing the surface of the P42 capping beam.



PEC installing two 4" and two 2" conduits in the capping beam P9 on Pier 42



KIWC masons dry finishing the waterside of the capping beam P2 and P3 on Pier 42



KIWC prepping to move dredge spoils from P41 to Snug Harbor



KIWC backfilling P2 and P3 of the landside of the LSCRB on Pier 43



KIWC continued dry finishing the waterside of the capping beam on Pier 42

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KIWC continued installation of formwork and embeds at P5 of the capping beam on Pier 42



View of conduit from shore power vault in capping beam pour #9.



View of template for continuous double king pile wall on pier 43.



KIWC moving dredge spoils from Pier 41 to Pier 42



View of P9 of the capping beam on Pier 42



KIWC driving double king piles on pier 43.