

Monthly Report No. 044

November 28, 2024 – December 26, 2024

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. 044

Period of November 29 – December 26, 2024
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 – ALL DATES SUBJECT TO CHANGE WITHOUT NOTICE (See next page)

| MAJOR ACTIVITY: | COMPLETION DATES AS OF KIWC OCTOBER SCHEDULE: | | | | | DD-MON-YYYY: ACTUAL COMPLETION DATE (Month Year) = Anticipated Completion Date** [NOTE: <u>ALL</u> ANTICIPATED DATES ARE SUBJECT TO CHANGE WITHOUT NOTICE] |
|---|--|---|------------------------|------------------------|-------------------------|---|
| | 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 | 8-Aug-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 | 31-Aug-2023 | N/A | |
| <i>Stone Columns (Installation)</i> | 14-Oct-2021 | 12-Aug-2021 | 6-July-2022 | 01-Sept-2023 | N/A | |
| <i>Combi-Wall (Pre-Drill)</i> | 29-Oct-2021 | 17-Dec-2021 | 29-Sept 2022 | 22-Sept-2023 | N/A | |
| <i>Combi-Wall (Installation)</i> | 28-Sept-2022 | 28-April-2023 | 4-Nov-2022 | 01-Dec-2023 | N/A | |
| <i>Surcharge Period</i> | 28-April-2023 | N/A | (January 2025) | N/A | N/A | |
| <i>Tie Rods</i> | 25-April-2023 | 16-April-2024 | (March 2025) | (October 2024) | N/A | |
| Capping Beam | 7-Sept-2023 | (April 2025) | (December 2024) | (November 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 | (March 2025) | 8-Aug-2023 | 2-Nov-2024 | N/A | |
| <i>Water & Electrical Utilities</i> | (December 2024) | (May 2025) | (March 2025) | (July 2025) | N/A | |
| <i>Drainage Structures</i> | (November 2024) | (March 2025) | (February 2025) | (March 2025) | N/A | |
| Water Side Crane Rail Beam | N/A | (May 2025) | (February 2025) | (March 2025) | N/A | |
| <i>Concrete Tie-Beam</i> | N/A | (April 2025) | (March 2025) | (April 2025) | N/A | |
| Crane Rails Installed | N/A | (March 2025) | (May 2025) | (July 2025) | N/A | |
| Crane Substation Switchgear & Transformer Delivered to KCT | N/A | 29-Sept-2023 [Transformer] 5-Jan-2024 [Switchgear] | N/A | N/A | N/A | |
| Crane Substation | N/A | (April 2025) | N/A | N/A | N/A | |
| Dredging [at bulkhead wall] | 31-Jan-2024 | 28-Mar-2024 | (April 2025) | (February 2025) | N/A | |
| Dredging [offshore] | 9-Jan-2024 | (November 2024) | (April 2025) | (January 2025) | N/A | |
| Fenders Installed | (May 2025) | (July 2025) | (June 2025) | (August 2025) | N/A | |
| PCC Pavement | (April 2025) | (June 2025) | (May 2025) | (July 2025) | (September 2024) | |
| <i>Cathodic Protection</i> | (April 2025) | (July 2025) | (May 2025) | (July 2025) | N/A | |
| <i>Pavement Striping</i> | (May 2025) | (July 2025) | (June 2025) | (July 2025) | (November 2024) | |
| TWIC Fencing | N/A | N/A | N/A | (July 2025) | (November 2024) | |
| PROJECT COMPLETION | (September 8, 2025) | | | | | |

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C. ACTIVITIES

Work observed at Pier 40F:

- No work observed.

Work observed at Pier 41:

- No work observed.

Work Observed at Pier 42:

- KIWC adjusted the tie beam rebar in WSCR B pour #A2 (Sta 17+60 to 16+61).
- KIWC installed chamfers at TD-2 P5/P4 and HR began laying rebar for the footing.
- KIWC installed formwork for WSCR B pour #A3 (Sta 15+75 to 16+61).
- KIWC installed formwork for WSCR B pours #A2 and A3 (Sta 17+60 to Sta 16+61).
- HRSPI continued installation of reinforcement for A-3 to A5 (Sta. 13+83 to 16+61) of the WSCR B.
- HRSPI installed rebar for WSCR B pours #A3 to A4 (Sta 14+76 to 16+61).
- KIWC carpentry crew adjusted the cable drum rail of A2 of the WSCR B.
- KIWC installing and secure yokes at P42 WSCR B A2 (Sta 16+61 to 17+60).
- KIWC removing grates and adjusting inner trench wall forms at TD-2.
- KIWC structures crew installed the concrete railing over the capping beam on A1 of the WSCR B.

Work Observed at Pier 43:

- KIWC continued grouting CSL tubes for the completed CIDH piles.
- KIWC continued landside dredging from Sta. 1+00 to 2+50.
- KIWC poured CIDH shaft 18-A2-36.
- KIWC poured CIDH shafts 21-A1-36 and 27-A1-36.
- KIWC drilled and installed shaft casings at 15-A1-36.
- KIWC foundation crew continued grouting the CSL Tubes.
- KIWC paving crew poured pave #1 of the maintenance shop block out.
- KIWC performed grouting for CSL tubes on Pier 43.
- KIWC performed method compaction and started base course installation for the PCCP north of the WMH blockout.
- KIWC poured CIDH shafts 19-A1-36 and 16-A1-36.
- KIWC poured CIDH shafts 28-A1-36, 24-A1-36, and 22-A1-36.
- KIWC poured locations 10-A1-36, 13-A1-36, and 15-A1-36.
- KIWC installed templates and waterstops at TD-2 P5.
- PE backfill at PBE/PBC-15.
- KIWC continued excavating for installation of the WSCR B mud mat.
- KIWC continued shaft top prep for the WSCR B CIDH piles.
- KIWC finished landside dredging from Sta. 0+50 to 1+50.

Work Observed at Snug Harbor:

- No work observed.

Work Observed at PCCP:

- MPE performed compaction testing for the base course at the blockout north of the PASHA Maintenance building.
- KIWC civil crew continued to fine grade the area at WL 1&2 PCCP block outs.
- KIWC civil crew continued to fine grade the area north of the guard shack block outs.
- KIWC continued base course installation for the "guard shack" blockout.
- KIWC performed compaction of sub base and installation of base course for the HECO blockout.
- KIWC performed drilling for dowel installation on the north edge of the KIWC maintenance blockout.

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D. AERIAL PHOTOGRAPH



April 2024



July 2024

E. PROJECT PHOTOGRAPHS (See attached Sheets)

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MPE performing concrete testing for truck 2 of the CIDH pour



KIWC progress pouring CIDH 28-A1-36



HRSPI installing rebar dowels for the tie beams in pour A2 of the WSCR B



KIWC performing method compaction for the native sub base for the PCCP north of the WMH blockout



Pier 42: HECO Block Out - HRSPI crew continued installing the rebar mat for the block out



Pier 42: PF crew continued drilling and soil mixing south (outside) the capping beam in the junction structure

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PCCP: KIWC maintenance - KIWC civil crew used the CAT 336 excavator and the CAT D5 dozer to grade the basecourse aggregate



Pier 43: KIWC civil crew continued to fine grade the area on the WL 1 and 2 PCCP blockouts



Pier 43: KIWC Foundation crew continued drilling 24-A1-36



KIWC measuring levels and elevation at TD-2.



KIWC cut and covering at SD-4



KIWC cut and covering at SD-4

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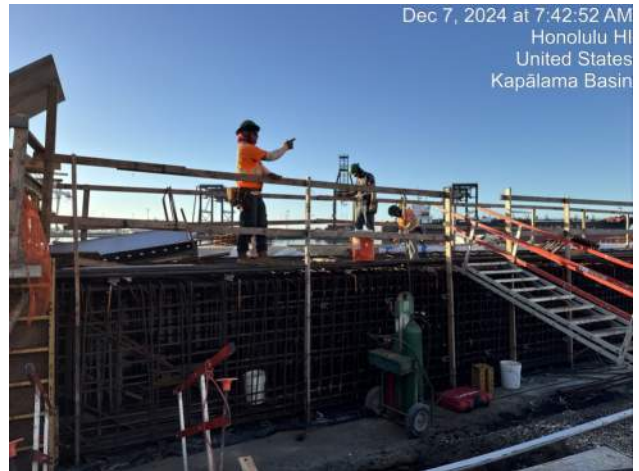
HECO Block out: HRSPI crew installed rebar mat



PCCP: KIWC civil crew placing the mirafi fabric for the aeration of the contaminated soil



KIWC progress installing base course for the guard shack blockout



HRSPI on site to adjust reinforcement in A3 and A4 of the WSCRB on Pier 42



PF on site (using excavator and crane on an object outside of the combi wall)



View of PF continuing soil mixing at the junction structure area

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PCCP: KIWC mason crew continued spall repair of the PCCP



Pier 43: KIWC civil crew continued to construct the platform for coring of CIDH 12-A2-36



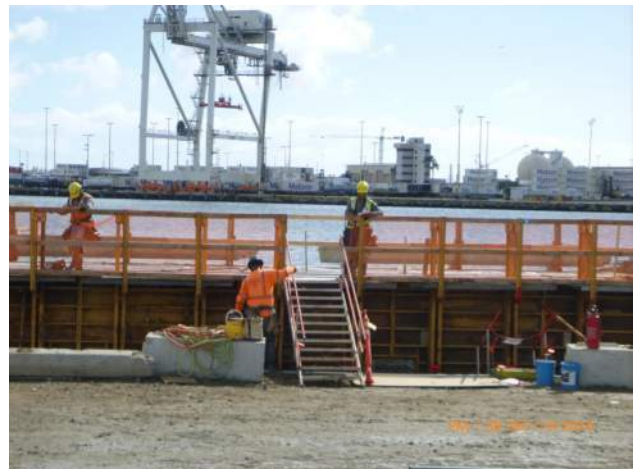
KIWC installing stabilization layer at TD-2.



AFT performing CSL testing for shaft 30-A1-36



KIWC adjusted and lifted rebar at TD-2.



KIWC stripping formwork from around WSCRB pour #A1.

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KIWC installed shoring at SD-5A.



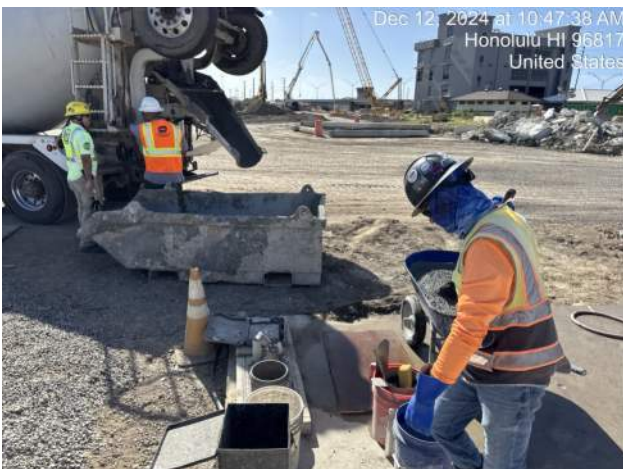
KIWC installing yokes over the WSCRB pour #A2 formwork.



PCCP: PASHA Maintenance block out - MPE tested the moisture content and obtained a dry condition of the subbase



KIWC setting the blackout for the crane rail pocket in WSCRB pour #A3.



MPE performing concrete testing for truck 1 of the CIDH pour



KIWC pouring CIDH shaft 15-A1-36

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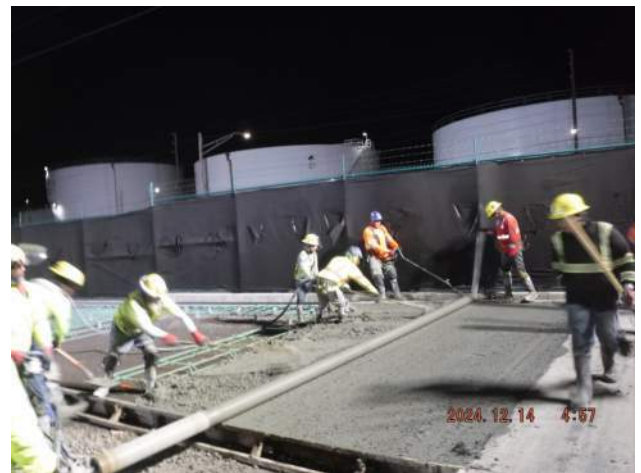
KIWC installing formwork for WSCRB pour #A3.



Pier 42: PF continued drilling and soil mixing north of the combi wall of the junction structure



View of landside dredging on Pier 43



PCCP: KIWC Maintenance - The Bunyon roller was used to level off the concrete pour



Pier 43: KIWC foundation crew used the clean out bucket to clean the bottom of shaft 12-A1-36



Pier 43: Extracted the first casing from CIDH shaft 18-A1-36

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KIWC preparing to install mud mat forms at TD-2.



KIWC setting formwork for WSCRB pour #A3.



KIWC finished pouring shaft 21-A1-36



KIWC performing landside dredging on Pier 43



KIWC placing mud mat at TD-2 P5/P4.



KIWC resetting the embedded tie beam rebar in WSCRB pour #A2.

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PE backfilling and compacting at PB-15



PCCP: Maintenance Shop - Paving crew continued to install the steel forms along the block out



KG continued coring location 12-A2-36



KIWC installing dobies and chamfers at TD-2.



MPE testing backfill and compaction at PB-15.



KIWC continued landside dredging at approximate Sta. 1+50 to 1+00

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PE demolishes ductbank east of PBE/PBC-15.



KIWC installed templates and waterstops at TD-2 P5



KIWC grading the protective layer on the bottom of the dredge bin on the PCCP at Pier 42



PF jet grouting around the combi wall in the junction structure excavation.



GLI taking soil samples on pier 40F.



KIWC crushing dredged spoils on pier 41.

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PF jet grouting around the combi wall in the junction structure excavation.



KIWC crushing dredged spoils on pier 41.



KIWC crushing dredged spoils on pier 41.



KIWC crushing dredge spoils on pier 41.



KIWC crushing dredge spoils on pier 41.



KIWC crushing dredge spoils on pier 41.