

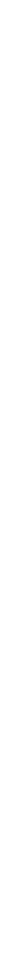
TERMINAL 5 IMPROVEMENTS

Construction Progress

February 21, 2020



*A new primary substation upgrades the
Terminal 5 power supply from 5 MW to 25 MW.*



Crews demolished existing container crane rails and excavated trenches to prepare the site for the super post-Panamax cranes at Terminal 5.



Piles will be driven through trenches and a concrete beam will be placed on top of the piles to strengthen the foundation for the new landside crane rail beam.



New concrete piles will strengthen the Terminal 5 dock structure to support the weight of the super post-Panamax cranes that can work larger ships.



Steel pinch piles were used to stabilize the slope.



Construction continues on the new Terminal 5 primary substation that will provide increased power to include shore power capabilities.



Crews removed piles and pile caps to make way for upgraded beams, piles, and deck panels. These dock upgrades will support the weight of larger cranes.



A temporary over-water structure (falsework) is being installed at Terminal 5 that will support the new cast-in-place concrete wharf structure while the concrete is curing.



***The first round of in-water pile driving at Terminal 5 is nearly complete.
153 structural concrete piles will support the waterside crane rail and
388 steel pinch piles were installed for slope stabilization.***



Terminal 5 improvements include new utilities (electrical, water, and sewer lines). Waterline installation work is ongoing and electrical infrastructure installation continues around the substation and administration building.



Waterline potholing



Waterline excavation



Waterline installation



Electrical vault installation