Infrastructure
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Honolulu Harbor Undertakes Massive Structural Improvements

With Honolulu Harbor being a hub for incoming and outgoing freight in Hawaii, the Hawaiian Department of Transportation needed to ensure the efficient flow of cargo by upgrading the Kapalama Container Terminal. This project quickly became the largest improvement project in the history of Hawaii's commercial harbor system with Jensen Infrastructure leading the charge.

Project Details

Project Owner	**Hawaii Dept. of Transportation**
Architect/Engineer	**RM Towill Corp. and Yogi Engineers**
Contractor	**Kiewit Corporation**
Location	**Honolulu, Hawaii**
Project Scope	**Precast Concrete Box Culvert** **3'W x 4'H** **7'W x 4'H**

Questions? Let's talk. (775) 352-2700 info@jensenprecast.com

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Problem

Since forklifts and massive cranes traverse this shipping yard, load bearing underground structures are a necessity. Especially because these upgrades to the terminal offer 1,800 linear feet of new birthing space as well as 84 acres of container yard, allowing the flow of goods in and out of Hawaii to stay smooth.

Solution

Jensen manufactured and delivered 62 3'W x 4'H box culvert structures and 96 7'W x 4'H culvert structures to the installation site. These structures came complete with epoxy coated rebar, a mix design with 25% fly ash and exterior waterproofing and joint wrap, effectively strengthening and waterproofing the culvert for an environment in close proximity to the ocean.

Key Outcomes

Durable

Enables the new terminal to utilize durable storm drains, sewer drains, and electric utility structures.

Time Efficient

Kept completion of the terminal on track for 2021 through expedient production and delivery of load bearing infrastructure.

Even Flow

Allows for the free flow of goods to and from the Hawaiian Islands due to increased terminal capacity.