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Jacksonville Port Authority DAMES POINT MARINE TERMINAL INTERMODAL CONTAINER TRANSFER FACILITY GEOTECHNICAL EVALUATION



The project consists of the construction of an Intermodal Container Transfer Facility (ICTF), which will serve in providing existing and future customers with intermodal connections, including direct access to a CSX Transportation (CSX) owned rail lines and U.S. Interstate System including I-95, I-10, and I-75 via I-295.

The ICTF will include the construction of a five-track rail yard, two wide-span rubber tired gantry cranes, a paved area for stacking containers, and several associated support features including a road & gate for truck movement of cargo, a parking area, and stormwater retention facilities. The project will also include access roads and rail spur adjacent to the ICTF facility.

CSI Geo staff provided geotechnical evaluation and laboratory testing to explore the subsurface soils within the limits of the proposed improvements. Tasks included performing 142 SPT and auger borings, four double ring infiltration tests, twelve CBR & LBR tests, soil index testing, and environmental corrosion series. CSI Geo's comprehensive engineering practices led to uncovering variable subsurface elements that are significant to the design and construction aspects of the project. The close coordination between CSI Geo, CSX, Jaxport Authority, and Arcadis US ensured the study was performed in an efficient and timely manner.

Client

Jacksonville Port Authority Robert Kretzchmar
Arcadis US, Inc. Fred Schneider, PE

Location

Jacksonville, FL

Service(s)

Geotechnical Investigation

Project Engineer(s)

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