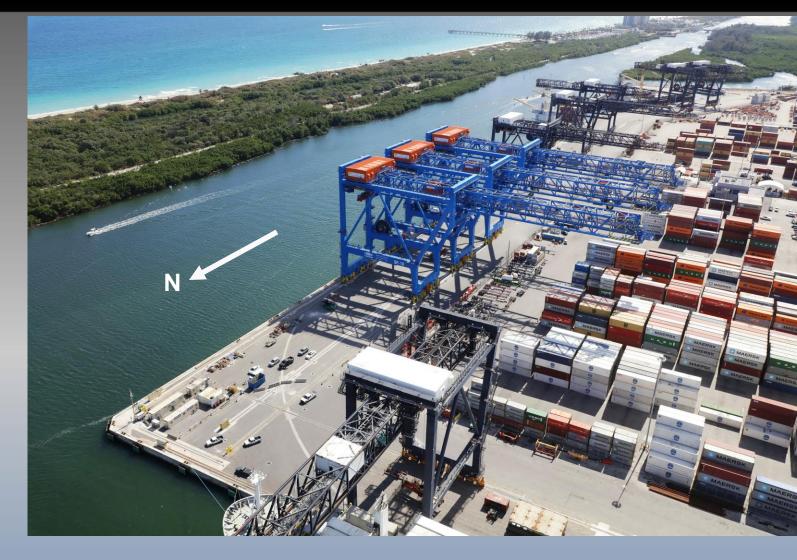
Port Everglades Facility Upgrades

Glenn Wiltshire Deputy Port Director Port Everglades Department, Broward County www.porteverglades.net/ Anna Dix, SE Principal Liftech Consultants Inc. *www.Liftech.net*

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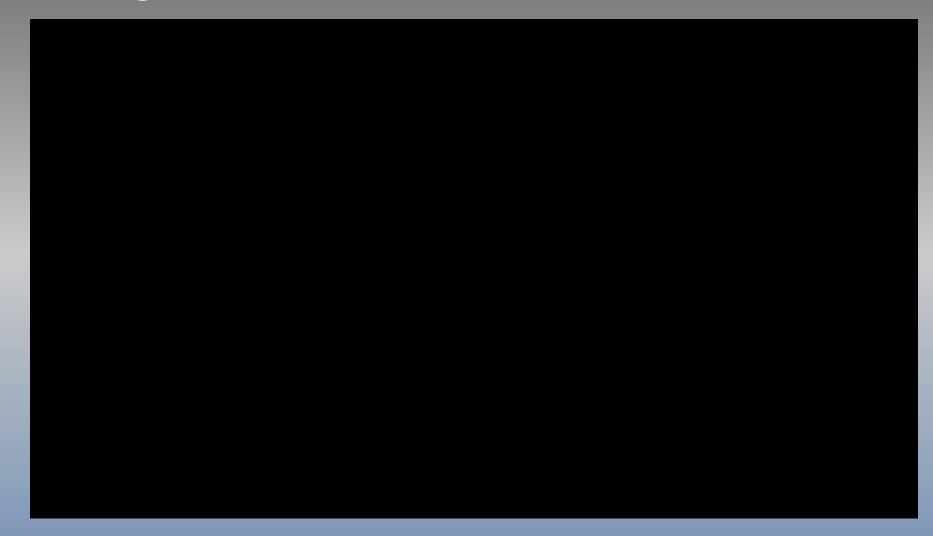
Outline

Port Everglades master plan Facilities overview Challenges and key decisions FAA clearance Parallel crane girders Facility power Project coordination Maintain port operations New ZPMC cranes Samsung crane upgrades Summary





Port Everglades Master Plan





Information @as fication: General

Facilities Overview



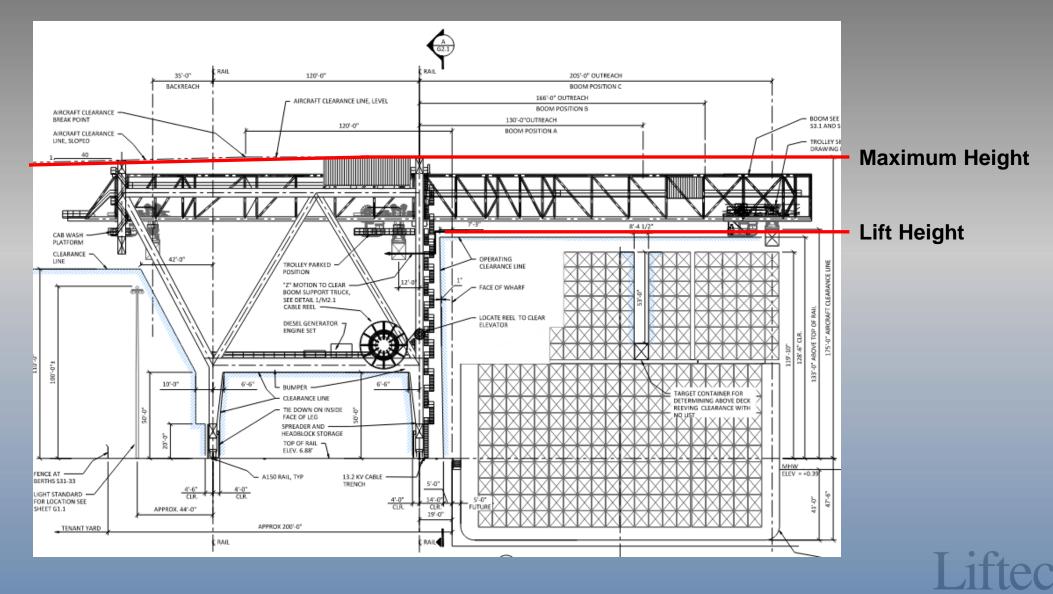
Before upgrades

After upgrades



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FAA Clearance



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Parallel Crane Girders



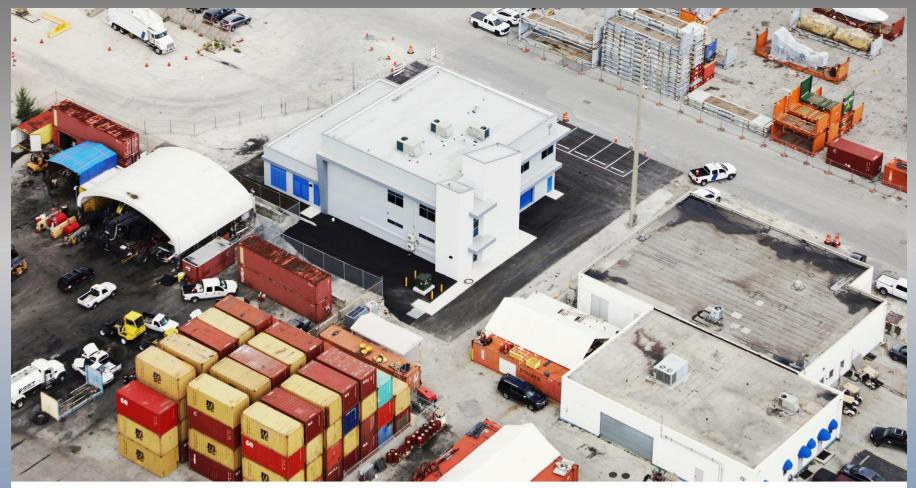
Rail nation Chaselication: General

120 ft (36.6 m) Rail

100 ft (30.5 m) Rail



Facility Power



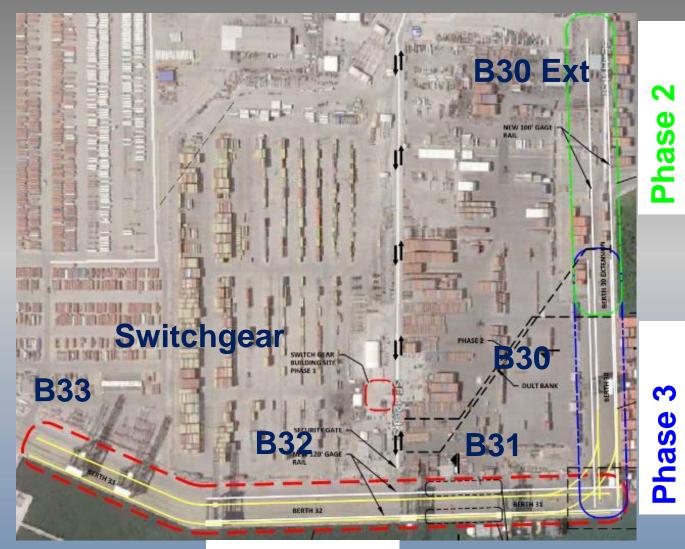


Turning Notch - Crane Rail Project





Project Coordination



Phase 1

Phase 1: New 120 ft girders and piles at B31-32, electrical infrastructure, and switchgear building

Phase 2: New 100 ft and 120 ft girders and piles at B30 Extension, electrical infrastructure, coordination with turning notch project

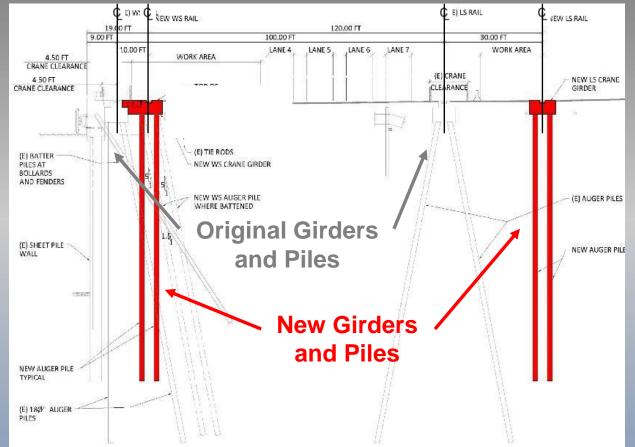
Phase 3: New 120 ft girders and piles at B30



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Maintain Port Operations







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New ZPMC Cranes

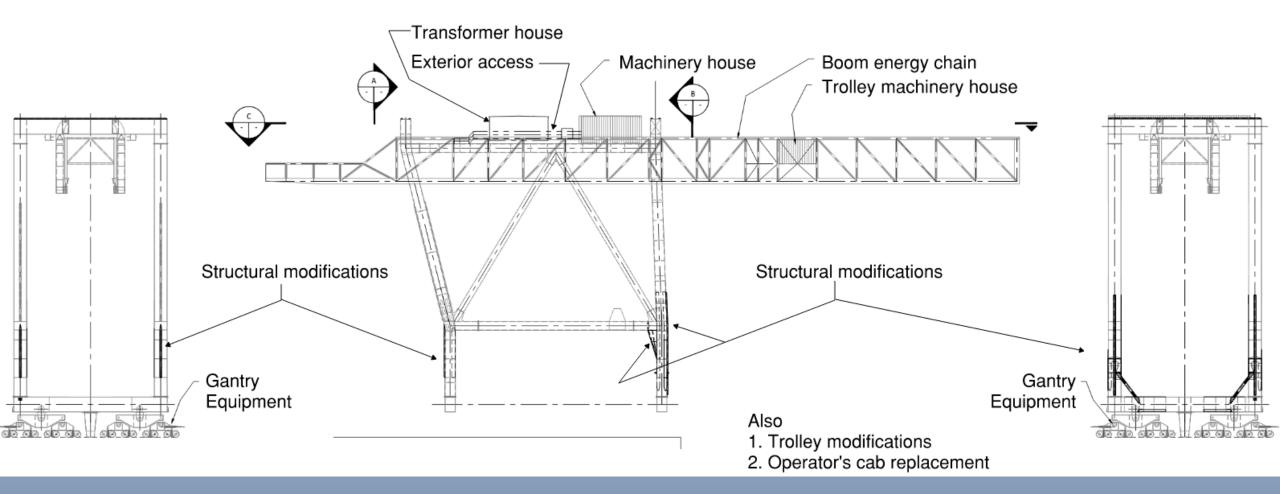


Rail Span 120 ft (36.6 m) 133 ft (40.5 m) Lift Height 205 ft (62.5 m) Outreach Backreach 35 ft (10.7 m) Boom height 26 ft (7.9 m) Rated Load 66 t (spreader) Wind Speed 180 mph (80 m/s) Special features: Saddle-type machinery house Hoist "Z-motion" Boom stowage system Boom/crane anti-collision system

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Samsung Crane Upgrades





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Thank you

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Quality Assurance Review: Author: Anna Dix Editor: Juan Anderez, Patrick McCarthy Principal: Erik Soderberg



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