On-Dock Intermodal & Inland Ports in Georgia

AAPA Facilities Engineering Seminar
Jacksonville, Florida
April 25, 2018
Georgia Ports

- 440,000 jobs across the State
- $25B in personal income (6% of Georgia’s personal income)
- $44B in GDP (8% of Georgia’s GDP)
- Fastest growing port in U.S.
- 4th largest port in US

20% of the U.S. Population and Industry is best served by the Port of Savannah
2000: 940,000 TEUs

Intermodal Tracks within Terminal
2003: 1.5 Million TEUs
2009: 2.3 Million TEUs
2012: 2.9 Million TEUs

SR 307 Grade Separation + South End Ladder
2015 Port Rankings Regional Top 10s by [Region | World]

Source: World Port Development Top 100 Container Terminals

US Ports/Terminals

1st to 4M

Savannah
APMT
WBCT
APL
Everport
YTL
Pier T
Pier J
LBCT
Pier A
Pier G
Pier C
Maher
PNCT
APMT
GCT Bayonne
GCT NY
Red Hook
NIT
VIG
PMT
Wando Welch
Columbus Cut
Barbour's Cut
Bayport
Today: 4.4 Million TEUs
Future TEUs

The chart depicts the expected throughput demand (TEUs) from 2018 to 2028 with two different growth scenarios: 4% and 8% growth.

- The blue line represents 4% growth.
- The orange line represents 8% growth.

The y-axis represents the throughput demand in TEUs, ranging from 1,000,000 to 10,000,000.

The x-axis represents the years from 2018 to 2028.
Intermodal Forecast

The graph shows the intermodal demand (lifts) from 2018 to 2028. There are two lines representing different growth rates:
- Blue line: 4% growth
- Orange line: 8% growth

The demand is expected to increase steadily over the years, with the 8% growth rate line starting slightly below the 4% growth rate line in 2018 and surpassing it in 2028.
Mason Mega-Rail
Terminal (Nov 2017)
3 NS Tracks in Mason (May 2019)
Connector & Tie-In (July 2021)
Proposed Operation
Unit Train Capability

CSX 10,000’

NS 10,000’
Rail Mounted Gantry Cranes

TECHNICAL DATA

Hoisting capacity
Rated load under spreader: 4.0 t

Hoisting speed
Hoisting/lowering with 40 ton load: 100 fps (30 m/min)
Hoisting/lowering, w. empty spreader: 200 fps (60 m/min)

Trolley travelling speed: 394 fps (120 m/min)
Gantry travelling speed: 328 fps (100 m/min)

Slewing speed: 1.6 rpm

Travelling distance: 2800 ft (853.4 m)
Power supply: 3-phase, XX kV, 60 Hz
GPA MID-AMERICAN ARC

- UNIT TRAIN READY
- 25 TRAINS/WEEK TO MID-AMERICA
- COMPETITIVE TRANSIT AND PRICING
- LARGEST SE INTERMODAL TRANSIT
EXTENDS REACH TO AMERICAN MIDWEST

CUTS TRANSIT TIME BY 24 HOURS
Objectives:
- Increase port linkage
- Increase capacity at ports
- Spur economic development
- Reduce Atlanta truck traffic
State-wide initiative to take 250,000 trucks off the road annually by 2025.
Northeast GA Inland Port
## Elevations Table

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Thank you