Gate Innovations & Technologies
Improving Throughput and Efficiency
Enforcing Security

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WHY?
Port of Savannah Container Throughput
14-year History

- 31.5% FY03 over FY02
- 4.5% FY04 over FY03
- 12% FY05 over FY04
- 15.9% FY06 over FY05

For the first 7 months of FY07 (July thru Feb), throughput is up 11.1% over the same period in FY06.

- Savannah today averages 15% growth per year.

Source: GPA Marketing  (In Thousands of TEU’s)
PORT OF SAVANNAH: GCT Gate Volume & Capacity

Average Daily Gate Moves
5800 4th Qtr 2006
6100 1st Qtr 2007
Avg 1900 Trucks Daily

Current Daily record
6,786 set March 21, 2007

Turn Time Average
45.1 Minutes (2 way move)
31.0 minutes (1 way move)

Gate Operations
- Conventional Two Stage Gate
  PreCheck & Detailed Inspection
- Centralized Pre-gate Operation
- 25 Pre-gate Pedestals
- 34 Inspection Lanes
- 2 Driver Assistance Kiosks
How can we absorb more volume?

1. Replace Manual Steps with Automation
2. Eliminate Delays
3. Use Technology as Building Blocks for Continued Automation while making Safe Incremental Changes
Pre-Advised Container Movements

Pseudo Appointment – Good for next 3 Working Days
Requires Entry of Necessary Data to Complete Gate Move
Validates All Gate Rules
Generates Pin Number

Results:

Exchange Pin Number Instead of Transaction Details at Pre-Check
Reduces Data Entry & Increases Accuracy
Reduced Trouble Transactions
Currently 3% down from 9%
PORT OF SAVANNAH: Using Technology to Achieve Terminal Automation

GPA ATAMS PROJECT

Mandatory Gate Appointments
ID Trucks with RFID Tags
ID Containers & Chassis with OCR

Marry Actual Truck Visit with Gate Appointment

Monitor Yard Equipment / Provide Live Updates
Automate Yard Handoffs

Update Yard Location Determined by DGPS
Link All Systems with a Wireless Network
Solution:

1. Motorola – Wireless LAN

2. Navis – ATAMS Hardware, Software, Integration
   - Identec RFID
   - Sattel PDS
   - SAIC OCR