

Gate Innovations & Technologies

Improving Throughput and Efficiency

Enforcing Security

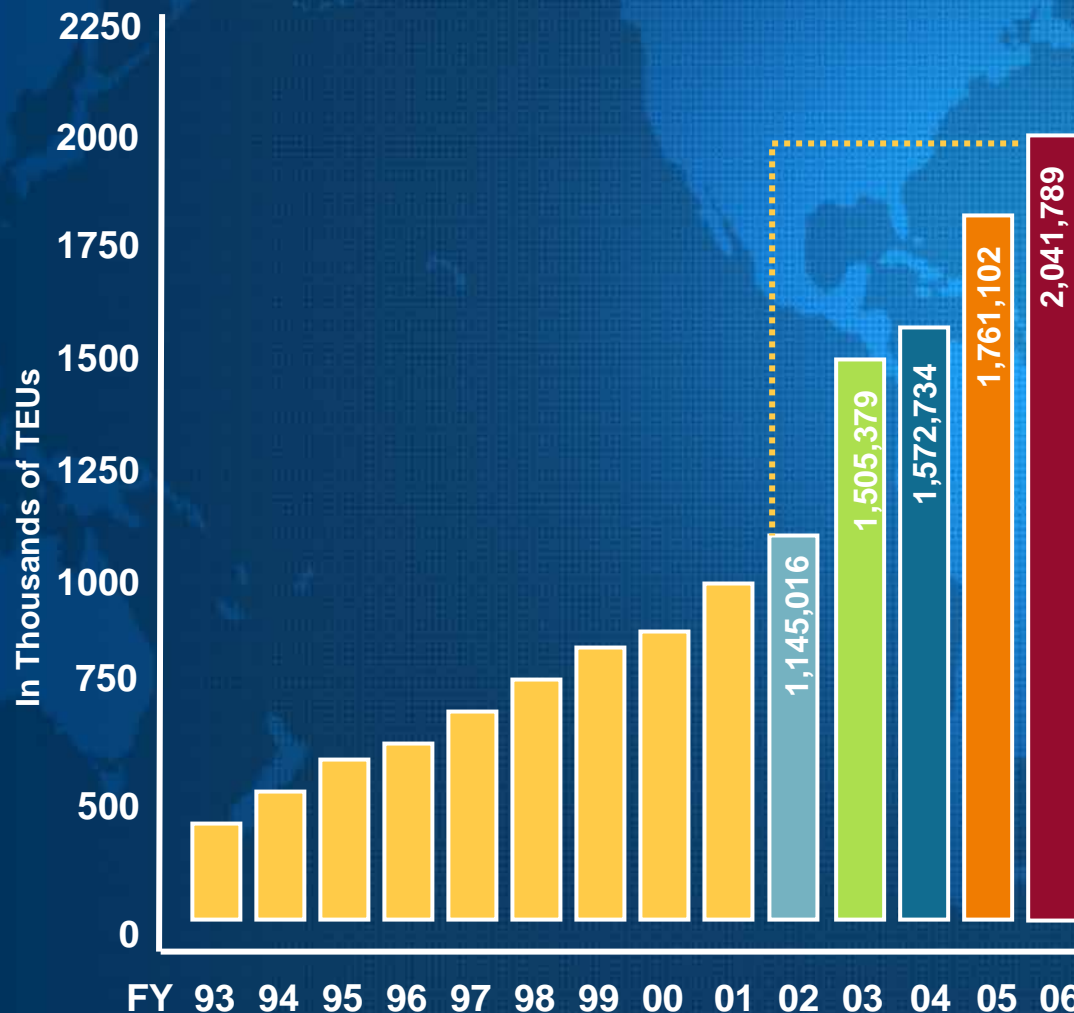


Bill Sutton
General Manager
Information Technology

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.

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%

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