Port of Savannah
MegaRail Project

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GARDEN CITY TERMINAL

- Dedicated container facility
- Terminal area: 1,200 acres
- Berthing: 9 berths = 9,693 ft
- Covered storage: 1.19 m sf
- 2 on-terminal rail yards
- 26 STS cranes + 4 in Dec 2017
- 146 rubber tired gantry cranes

Chatham Rail Capacity: 180,000 Lifts

Mason Rail Capacity: 400,000 Lifts

Need to increase capacity to 1 million lifts with the ability to build 10,000 foot unit trains
MegaRail Scope and Funding

- Mason ICTF track expansion with 8 RMGs
- Multi-rail connection between Mason and Chatham
- SR 25 Overpass
- Rail crossings over Pipemakers Canal
- Chatham ICTF track expansion

- $126.7 million project
- $44 million funded thru Federal Grant (FASTLANE)
- Completion at the end of 2020

<table>
<thead>
<tr>
<th>Year</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY18</td>
<td>$25.0 M</td>
</tr>
<tr>
<td>FY19</td>
<td>$61.0 M</td>
</tr>
<tr>
<td>FY20</td>
<td>$40.7 M</td>
</tr>
<tr>
<td>Total</td>
<td>$126.7 M</td>
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</tbody>
</table>
Year 2000 – 940,000 TEUs

Intermodal Tracks within Marine Terminal
Year 2003 – 1.5 Million TEUs

Mason ICTF served from Foundation Lead, Stub-ended Facility
Year 2012 – 2.9 Million TEUs

Bourne Ave Grade Separation + South End Ladder & Connection to Foundation Lead, Double-Ended Facility
**Intermodal Demand**

**Terminal Throughput & Intermodal Lifts**

- **Terminal Throughput (left axis)**
- **25% Intermodal (right axis)**
- **20% Intermodal (right axis)**

730-915k lift potential at buildout
Existing Conditions – 2016
CSX & NS train building
Existing Road Crossings

<table>
<thead>
<tr>
<th>Street</th>
<th>Blockage Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crossgate Rd.</td>
<td>1:00:00</td>
</tr>
<tr>
<td>Grange Rd.</td>
<td>1:21:00 + 40 min (switching)</td>
</tr>
<tr>
<td>Smith Ave.</td>
<td>0:35:00</td>
</tr>
<tr>
<td>Azalea Ave.</td>
<td>0:31:42</td>
</tr>
<tr>
<td>Herty Dr.</td>
<td>0:22:18</td>
</tr>
<tr>
<td>Rommel Ave.</td>
<td>0:21:24</td>
</tr>
<tr>
<td>SR 25</td>
<td>3:40:00</td>
</tr>
</tbody>
</table>

• Based on 1 train in and out, includes road blockage only
Existing Site Plan
Project Site Plan
Project Overall Site Plan
**8 RMGs**

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**TECHNICAL DATA**

- **Hoisting capacity**
  - Rated load under spreader: 40 t

- **Hoisting speed**
  - Hoisting/lowering with 40 ton load: 180 fpm (30 m/min)
  - Hoisting/lowering w/ empty spreader: 200 fpm (60 m/min)

- **Trolley travelling speed**: 394 fpm (120 m/min)

- **Gantry travelling speed**: 328 fpm (100 m/min)

- **Slewing speed**: 1.6 r/min

- **Traveling distance**: 2800 ft (853.4 m)

- **Power supply**: 3-phase, XX kV, 60 Hz
Proposed Operation
Proposed Road Crossings

4 Intermodal Crossings Eliminated

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<tr>
<th>Street</th>
<th>Blockage Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crossgate Rd.</td>
<td>0:21:15</td>
</tr>
<tr>
<td>Grange Rd.</td>
<td>0:21:15</td>
</tr>
<tr>
<td>Smith Ave.</td>
<td>0:00:00</td>
</tr>
<tr>
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Schedule & Key Milestones

**Critical Path & Milestones**

1. **Package 1** - Nov 2017
   - Manufacture Equipment
   - MT Depot Striping & 3 Tracks
   - Earthwork
   - Pipemakers Canal Realignment & Crossing

2. **Package 2** - Nov 2017
   - West Bundle (NS)
   - Crane Power
   - Gate 6 Demo & Preparation
   - CSX Tail Track
   - East Bundle (CSX)
   - NS Tracks
   - Southend Tie-In

3. **Package 3** - July 2018
   - SR 25 Grade Separation

4. **Package 4** - Nov 2018
   - Gate 8 Expansion
   - RPM Improvements
   - Gate 7 Expansion
   - RMG Laydown
   - Container Ops Grade Separation
   - Gate 6 & Access Road

5. **GDOT**
   - Grange Road (West of 25)
   - Grange Road (East of 25)
   - Brampton Road (Rail)
   - Brampton Road (through 2/23)
3 NS Tracks in Mason (Aug 18)
NS West Bundle (Sept 19)
Connector & Tie-In (May 21)
Maximum Train Lengths

CSX 10,000’

NS 10,000’
Discussion and Questions