

# Gateway Rail



Tampa Port Authority

May 2013

# Project Management Services By : Tampa Port Authority

## Design and Construction Services By :



- Moffatt & Nichol
  - Design Oversight
  - Electrical Engineering
- Stantec
  - Civil Site
  - Environmental Permitting



- HDR
  - Rail Design
- URS
  - Mechanical Engineering
- The Batson Cook Company
  - Construction Services



# Project Facts

- Public/Private Partnership that was two years in the making



# Partners :

- Tampa Port Authority
- Florida Department of Transportation
- CSX Transportation (TransFlo)



TAMPA PORT AUTHORITY



# Project Facts

- Storage and distribution services provided by the Central Florida Pipeline
  - A subsidiary of Kinder Morgan



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# Project Facts

- The First Port “Rail to Pipeline” facility in the United States



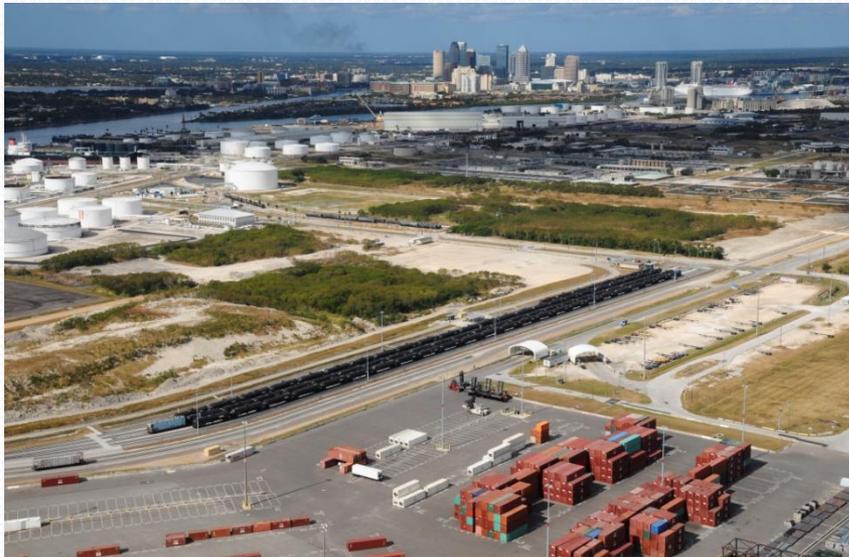
# Project Facts

- Accomplished completion of “The Loop”
- Since the 1970’s, the Port and CSXT acknowledged the need to construct the rail connection required to link the east and west sides of the Hooker’s Point Peninsula to allow for more cost effective movement of goods throughout the Port of Tampa



# Project Facts

- The first “on dock rail service” to the Port of Tampa’s Marine Container Terminal



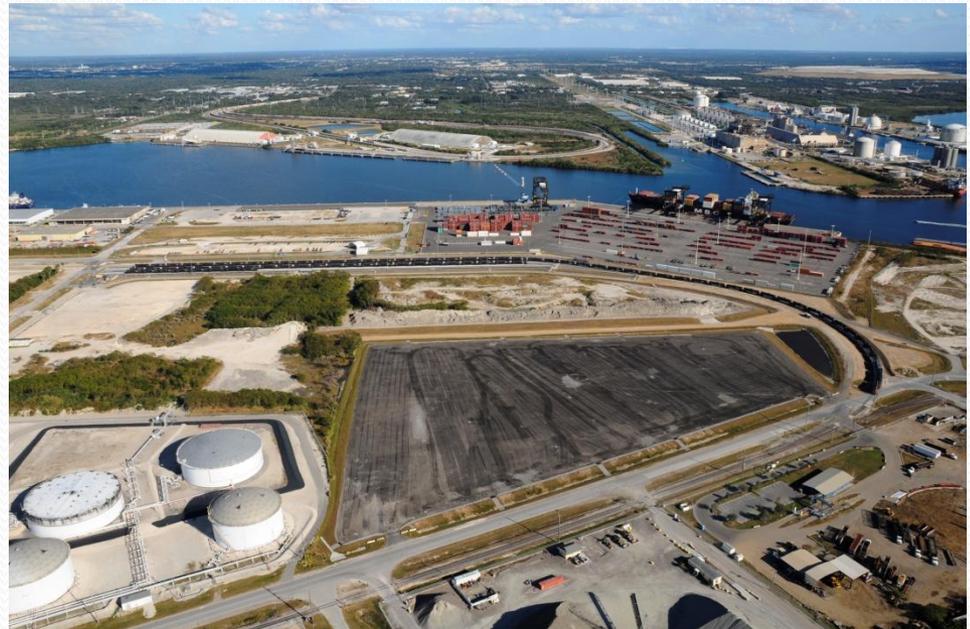
# Project Facts

- 13,883 LF of rail constructed
- 2,720 LF of 12 “ stainless steel pipeline installed
- Ethanol is pumped through the 12” pipeline at a rate of 3,000 GPM



# Outcome

- The facility will handle over 300 Million gallons of ethanol each year, with the ability to handle 3 times the amount, thereby reducing dependence on foreign energy sources.



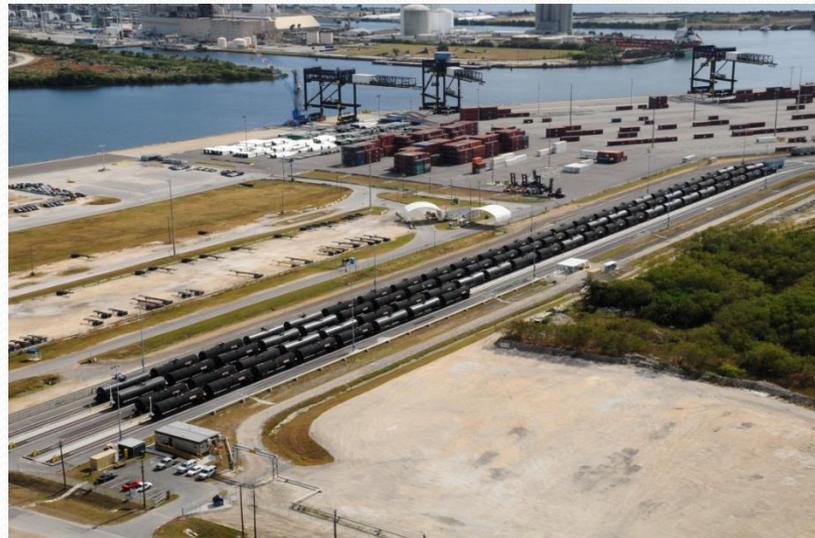
# Outcome

- The facility will replace enough gasoline to reduce CO<sub>2</sub> emissions by 1.1 billion pounds in the first year alone.



# Outcome

- 44,369 trucks will be diverted from the regional highways in the first year of operation
- Highway delays (due to less trucks hauling ethanol) will be reduced by 24,000 hours.
- U.S.EPA review of the Environmental Assessment resulted in a FONSI (Finding of No significant Impact)



# Safety

- The containment cells are capable of handling the volume of four (4) rail cars , during offloading the project's storm water outfall is closed off from the bay, so that even if a spill occurs, it will never reach the bay.



# Safety

- State of the art foam fire suppression system



# Completion

- The project was completed on time and on budget,
- Overcoming the highest rainfall the Tampa Bay area had experienced in 30 years.



# Future of the Region Awards

*Thank you*



# Sources of Pictures

- <http://cauldwellwingate.com/MWBE/HealthcareWebinar/webinar-reg-Feb162011.html>
- <http://www.mimosa.org/?q=about/sponsors>
- <http://www.hdrinc.com/>
- <http://www.batson-cook.com/>
- <http://www.andalucia.com/environment/green/co2-facts.htm>
- <http://www.bridgestone.com/responsibilities/environment/mismission/emissions.html>
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- <http://www.moffatnichol.com/>
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