Savannah Harbor Expansion Project
SHEP
Presentation to the
State Transportation Board

Claude R. Jackson, P.E.
Waterways Program Manager
November 19, 2014
Savannah Harbor Expansion Project

Panama Canal Expansion
Anticipated completion in 2016
Savannah Harbor Expansion Project

SHEP has been a long time coming...

1994 – Construction completed to deepen channel to its current depth of -42 ft.
1996 – Reconnaissance Report by the USACE recommended study for deepening
1999 – Water Resources Development Act (WRDA) authorized project, but project stalled for years due to a funding cap in WRDA
2012 - USACE Record of Decision signed
2014 – Water Resources Reform and Development Act (WRRDA) of 2014

Overwhelmingly Passed by Congress

Signed into law by President Obama on June 10, 2014
Savannah Harbor Expansion Project

One last hurdle...

Project Partnership Agreement (PPA)

PPA is the link between USACE, GDOT, and GPA
Defines Costs Share
PPA must be executed prior to construction.
Allows Construction to begin with non-Federal Sponsor Funding
Savannah Harbor Expansion Project

Signing of the PPA October 8, 2014
Savannah Harbor Expansion Project (SHEEP)

Project Information
- Deepen from 42' to 47' NED selected plan
- $709M total first cost (FY14 price levels)
- 70% federal/30% non-federal cost share ($492,000,000/$214,000,000)
- $174M annual net benefits
- Benefits derived from increased transportation efficiencies
- 5.5:1 @ 4% (discount rate) benefit to cost ratio
- Projected to create 11,000+ jobs nationwide, 3,700+ bi-state, 2,400+ locally

Value to the Nation
- 4th largest container port in US
- Largest single terminal operation in North America
- Fastest growing container port in the Nation over the last 10 years
- 3,600 TCEV through-put in 2013
- Supports in GA over $52,000, jobs, $15.5B in income and $2.5B in state and local taxes annually
- Supports in SC over 19,700 jobs, $659M in income, $147M in state and local taxes annually
- $66.9B in revenue (9% of Georgia’s total sales) annually
- $4.3B in revenue (1.3% of South Carolina’s total sales) annually

US Army Corps of Engineers - Savannah District

Georgia Department of Transportation

BUILDING STRONG®
Savannah Harbor Expansion Project

- Entrance Channel Dredging was Advertised in September
- Proposals were received November 12, 2014
- Contract Award and Notice to Proceed expected in January 2015
Removal of CSS Georgia

- Currently no dredging is allowed in the area of the wreckage
- Project will raise what remains of the ship
- Proposals are currently under review by the Corps
Savannah Harbor Expansion Project

Dissolved Oxygen Injection System

- SPEECE Cones will pump oxygen into the Savannah River to replace the oxygen in the river lost to SHEP
- Critical Path Feature - DO System has to pass testing prior to Inner Harbor Dredging
- Proposals Due
  Dec. 15, 2014

Construction - Spring 2015
Savannah Harbor Expansion Project

Raw Water Storage Impoundment (RWSI)

- City of Savannah pulls water from Abercorn Creek
- May experience High Chloride levels during High Tide / Low Flow events
- Construction of a 30 Acre / 97 Million Gallon Impoundment Area

Construction - Summer 2015
Savannah Harbor Expansion Project

Fish Bypass at New Savannah Bluff Lock & Dam

- Located South of Augusta
- Will allow Atlantic and Short Nosed Sturgeon (both endangered) access to 20 miles of historic spawning grounds

Construction - Winter 2016
Savannah Harbor Expansion Project

Flow Re-Routing

- Divert freshwater from the Front River into the Middle and Back Rivers for Savannah National Wildlife Refuge
- Closure of Rifle Cut
- Construction of a Boat Ramp on Hutchinson Island

Construction - Fall 2016
Savannah Harbor Expansion Project

Wetland Restoration and Preservation

Restoration of Area 1S to Salt Marsh

2,245 Acres for USFWS
Striped Bass Stocking

• Georgia DNR has an active Striped Bass Stocking Program
• SHEP will provide funding to DNR’s stocking program to mitigate for impacts to spawning and nursery areas
Savannah Harbor Expansion Project

Inner Harbor Dredging

• Once all Mitigation Features are Completed or In Progress the Inner Harbor Dredging can commence

Construction - Spring 2017
Questions?

Claude R. Jackson, P.E.
Waterways Program Manager
Ph. (404) 673-9119
Email: clajackson@dot.ga.gov