Delaware River Main Channel Deepening Project

Lt. Col. Robert J. Ruch, District Engineer, Philadelphia District

January 20, 2005

Delaware River Main Channel Deepening Project



The Vision

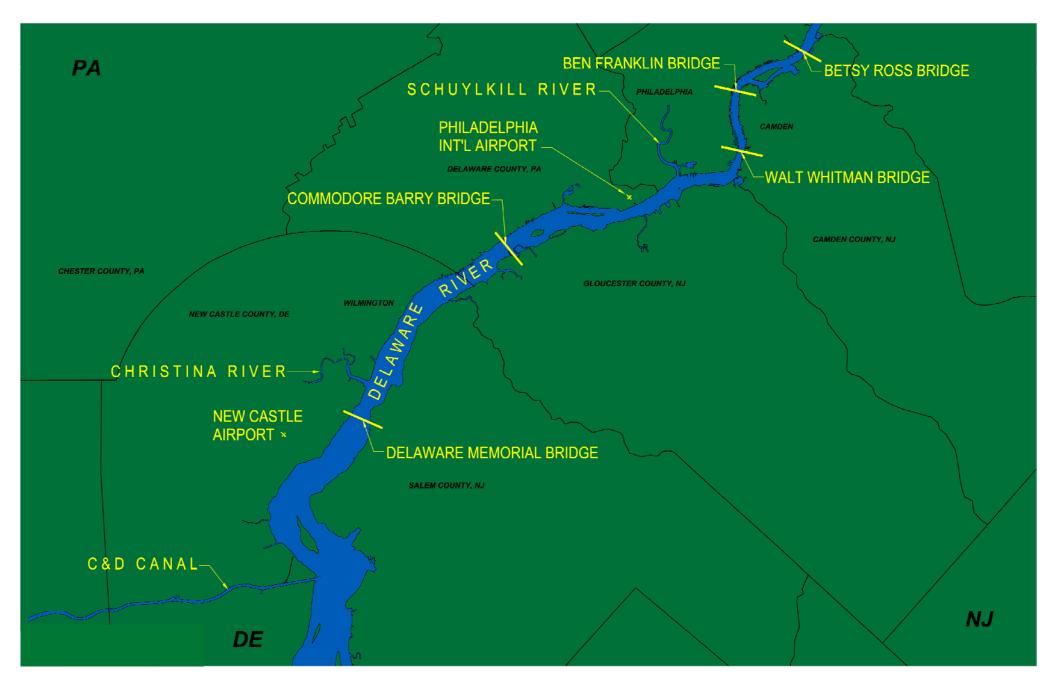


Making way for our ports ... Taking care of our watershed

- > Deeper and safer channel accommodates more efficient shipping
- More efficient shipping means more competitive ports
- More competitive ports benefit the entire Tri-State economy
- Port of Philadelphia is one of the nation's 14 Strategic Ports



Delaware River: C & D Canal to Betsy Ross Bridge



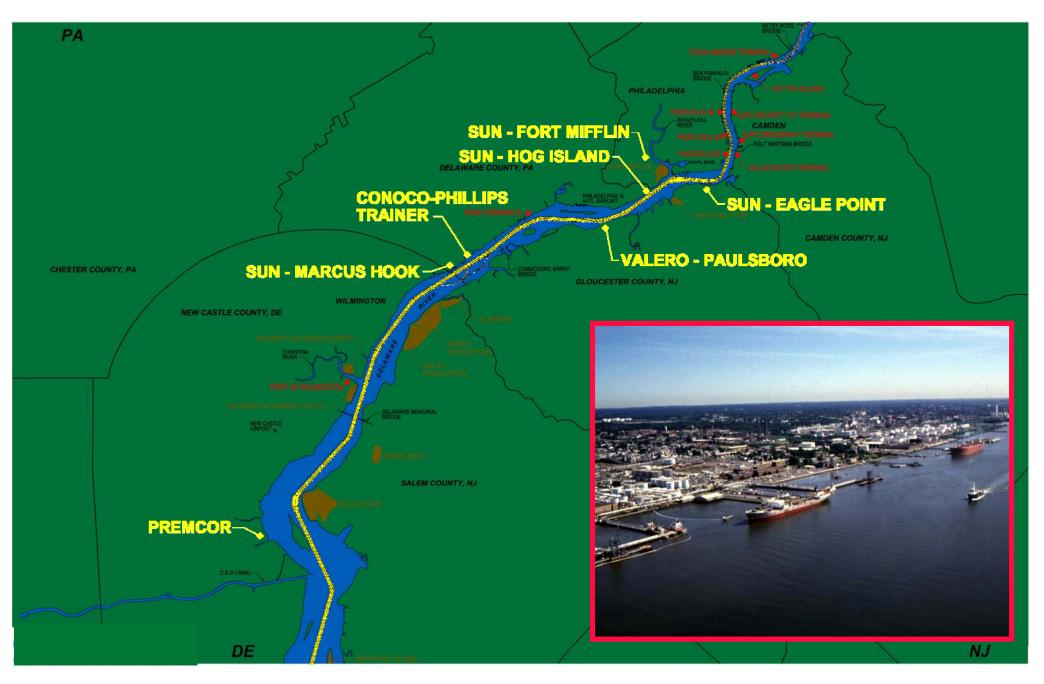
Delaware River: The Main Channel



Existing General Cargo Port Facilities



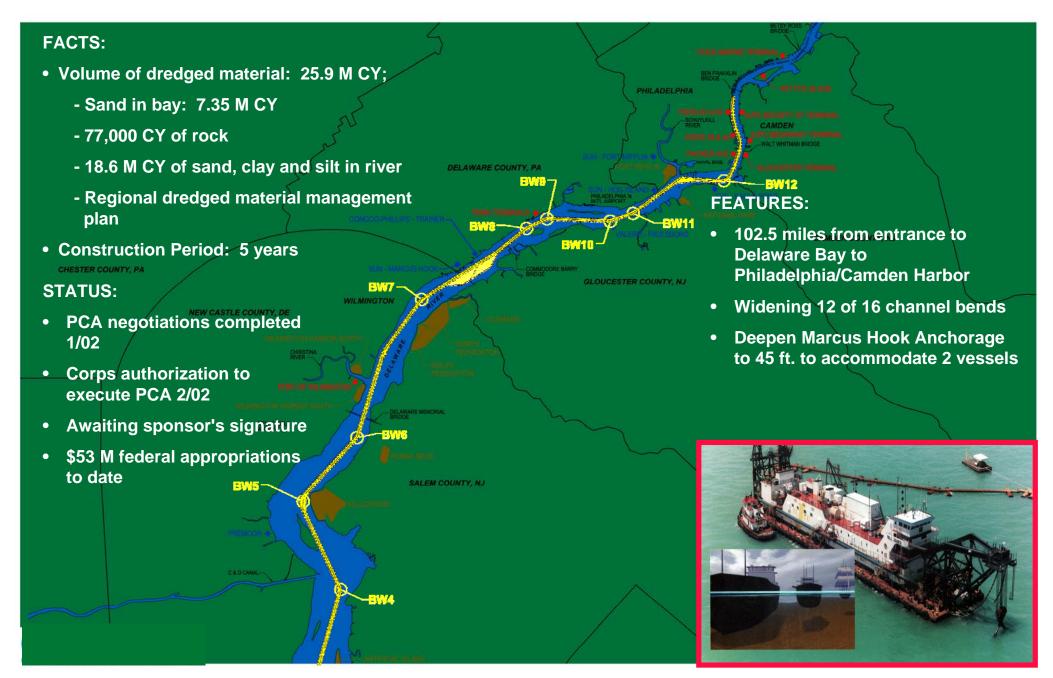
Existing Liquid Bulk Facilities



East Coast Ports Channel Depths



Deepening the Main Channel to 45': The Project



Beneficial Uses of Dredged Material

BENEFICIAL USES DEMONSTRATION PROJECTS:

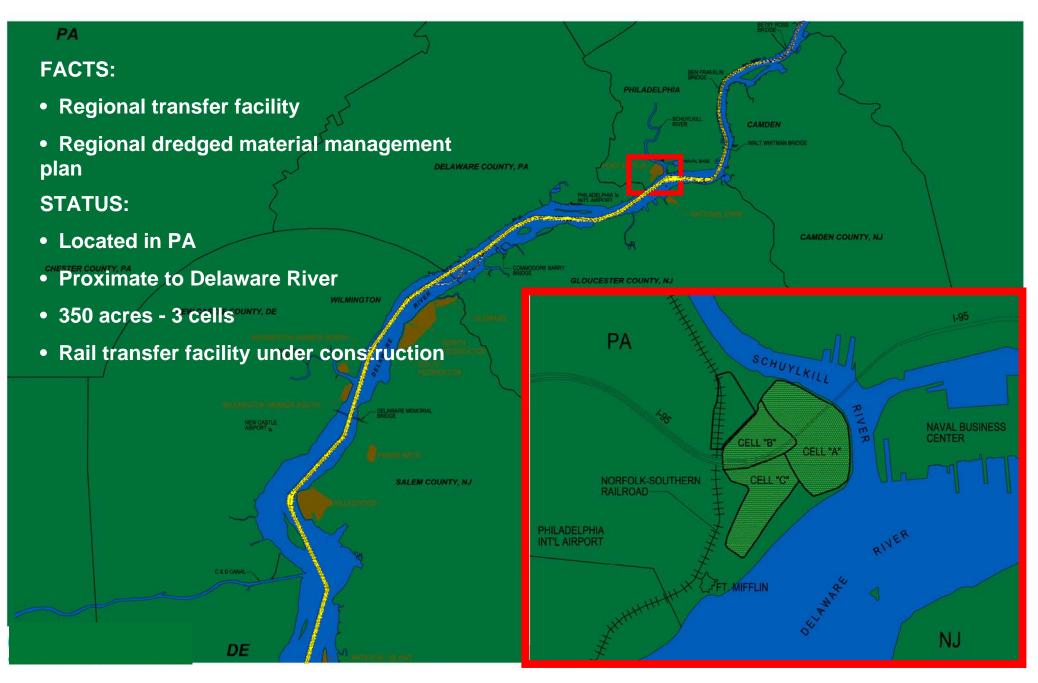
- Tamaqua Mine Reclamation 54,000 CY
- Bark Camp Mine Reclamation 50,000 CY
- Philadelphia Naval Business Center 37,000 CY

TAMAQUA, PA

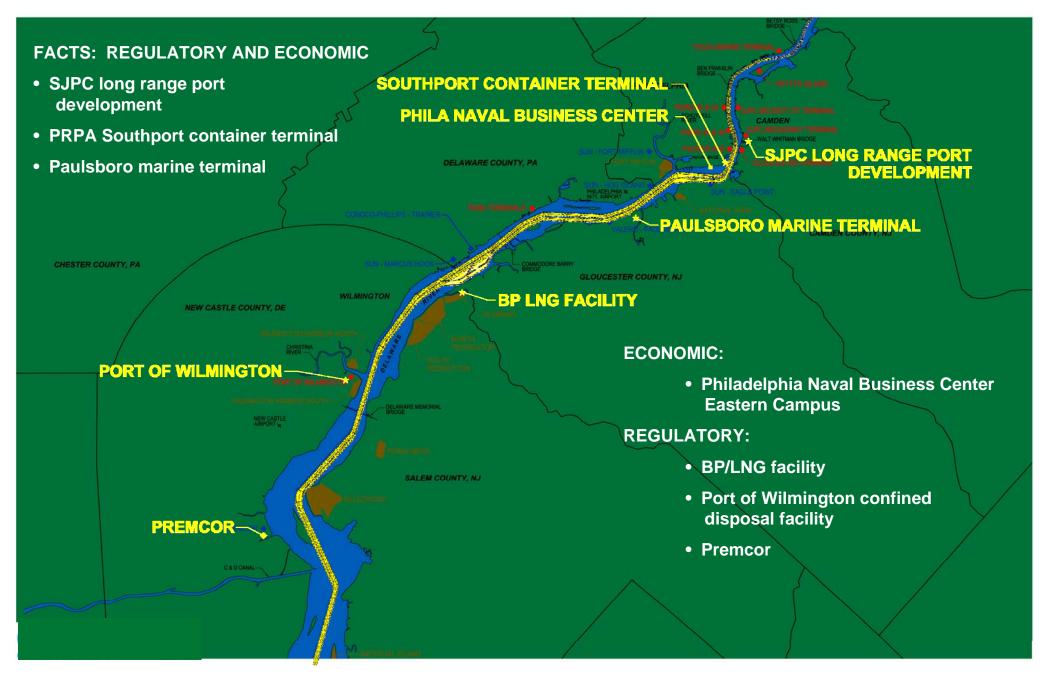
PHILADELPHIA NAVAL BUSINESS CENTER, PA

BARK CAMP, PA

Fort Mifflin Disposal Area



Future Projects and Issues Affected by Channel Deepening



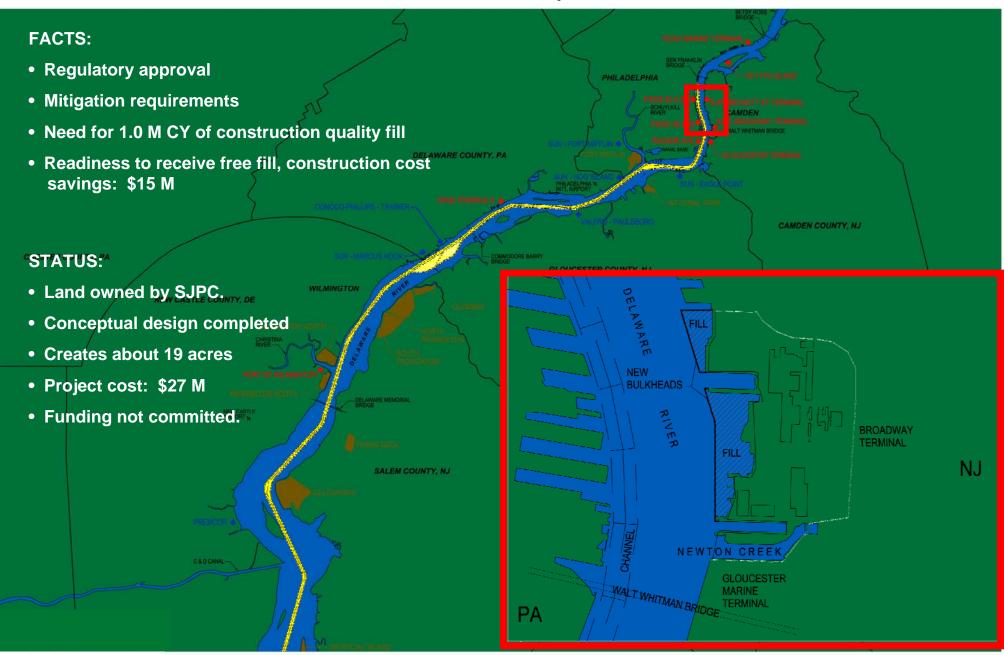
South Jersey Port Corporation Long Range Port Development

Camden, New Jersey



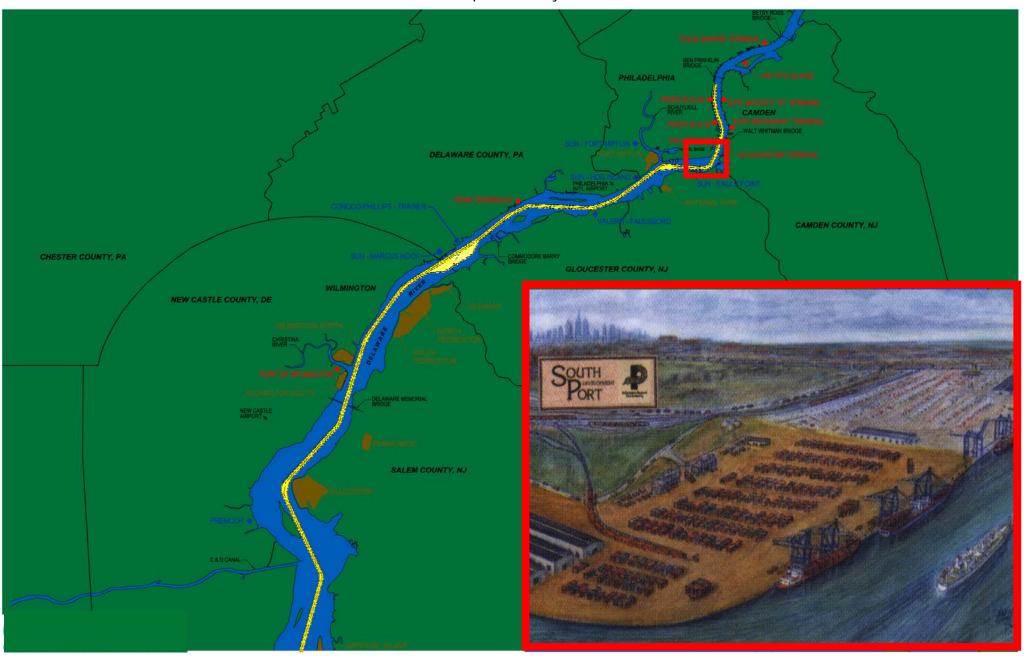
South Jersey Port Corporation Long Range Port Development

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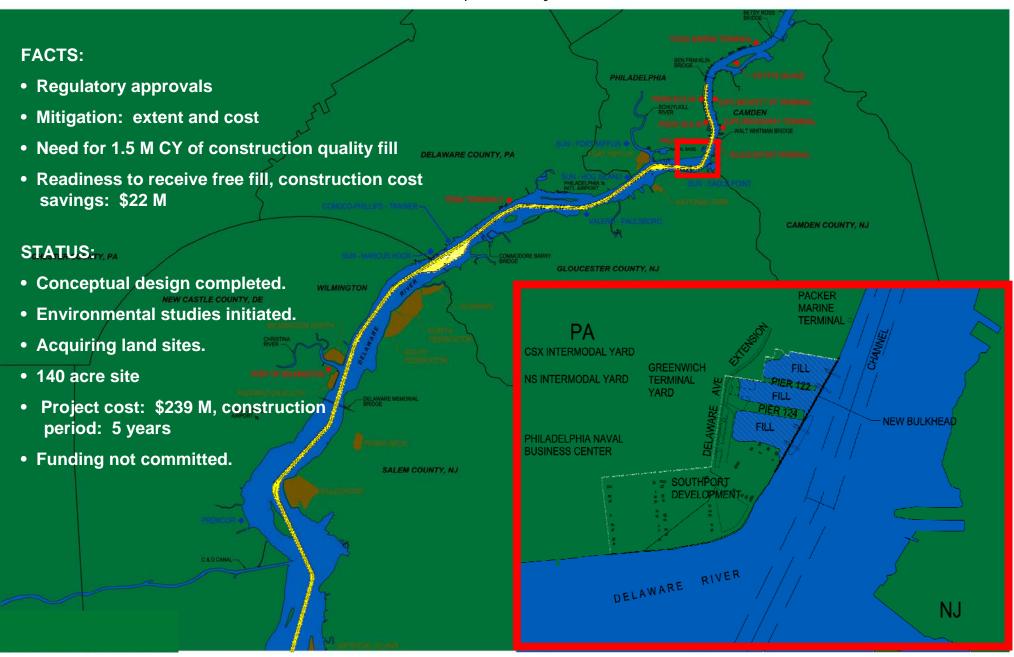
Philadelphia Regional Port Authority Southport Container Terminal

Philadelphia, Pennsylvania



Philadelphia Regional Port Authority Southport Container Terminal

Philadelphia, Pennsylvania



Paulsboro Marine Terminal and Logistics/Distribution Center

Paulsboro, New Jersey



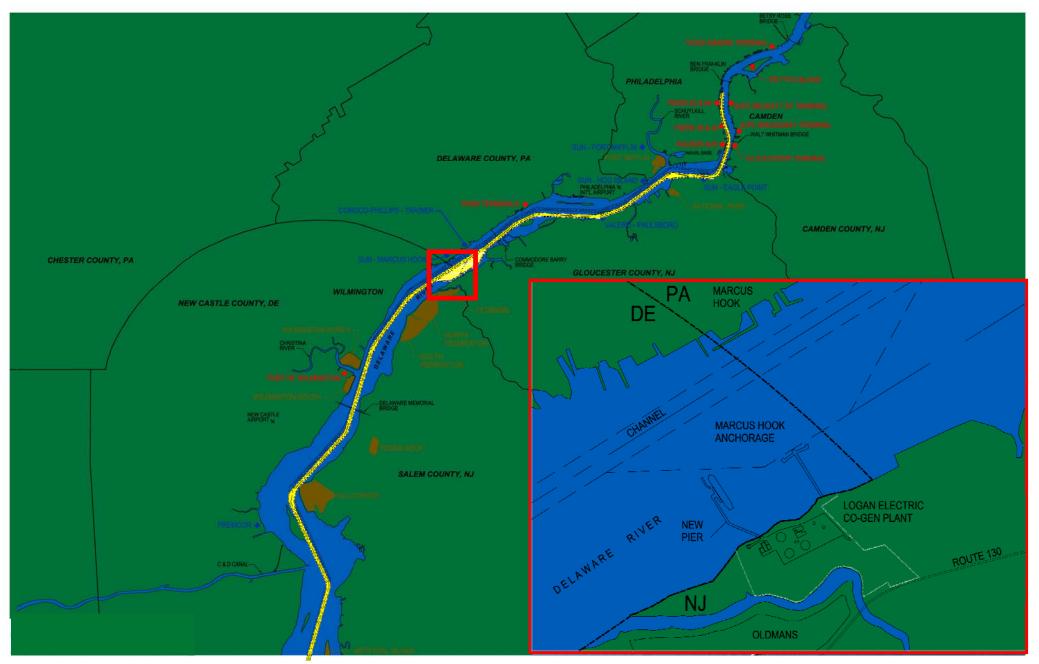
Paulsboro Marine Terminal and Logistics/Distribution Center

Paulsboro, New Jersey



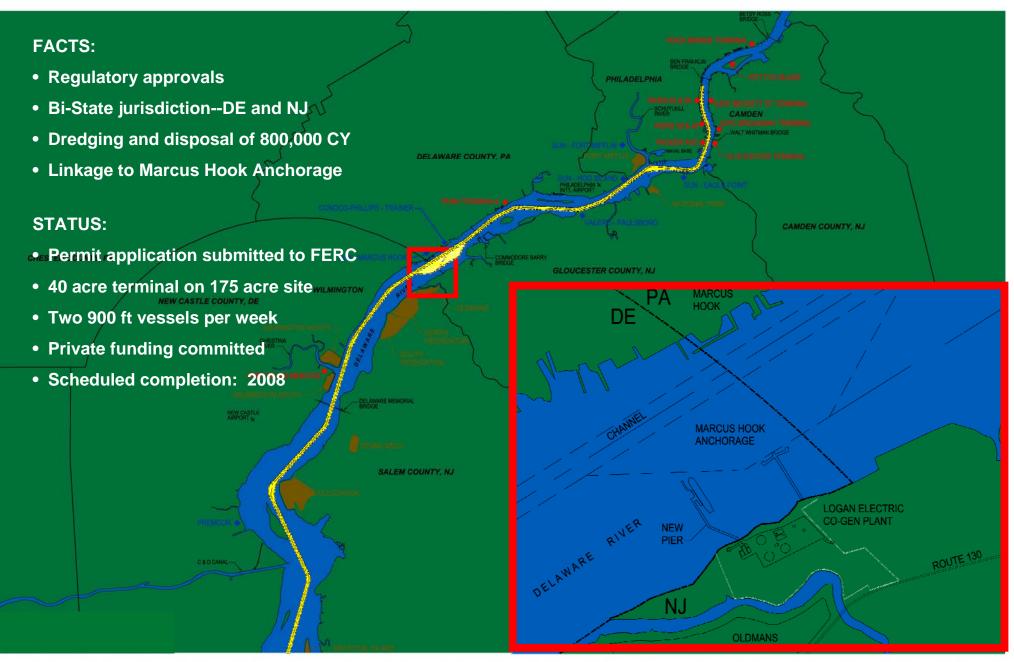
BP Crown Landing LNG Terminal

Logan Township, New Jersey



BP Crown Landing LNG Terminal

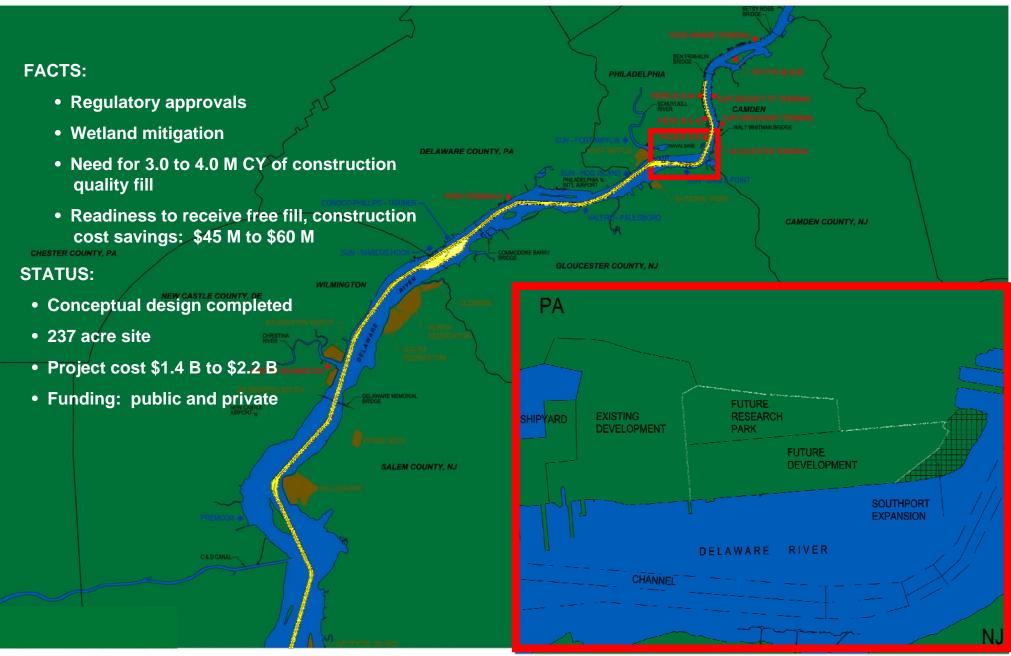
Logan Township, New Jersey



Navy Yard (Philadelphia Naval Business Center): Research Park, Marina and Eastern End Districts



Navy Yard (Philadelphia Naval Business Center): Research Park, Marina and Eastern End Districts



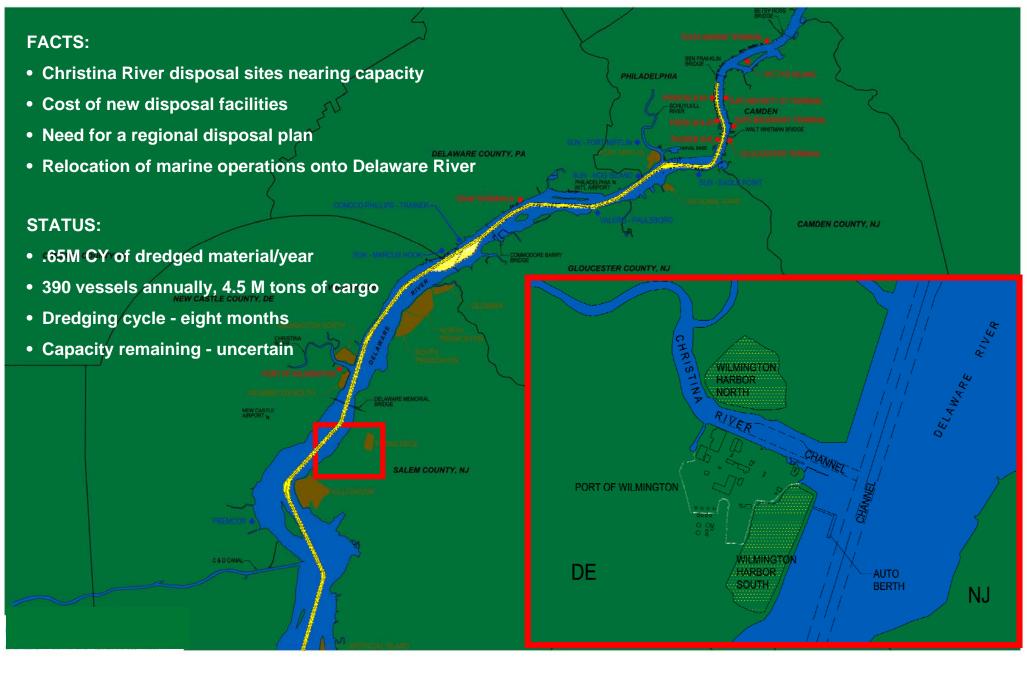
Port of Wilmington

Wilmington, Delaware



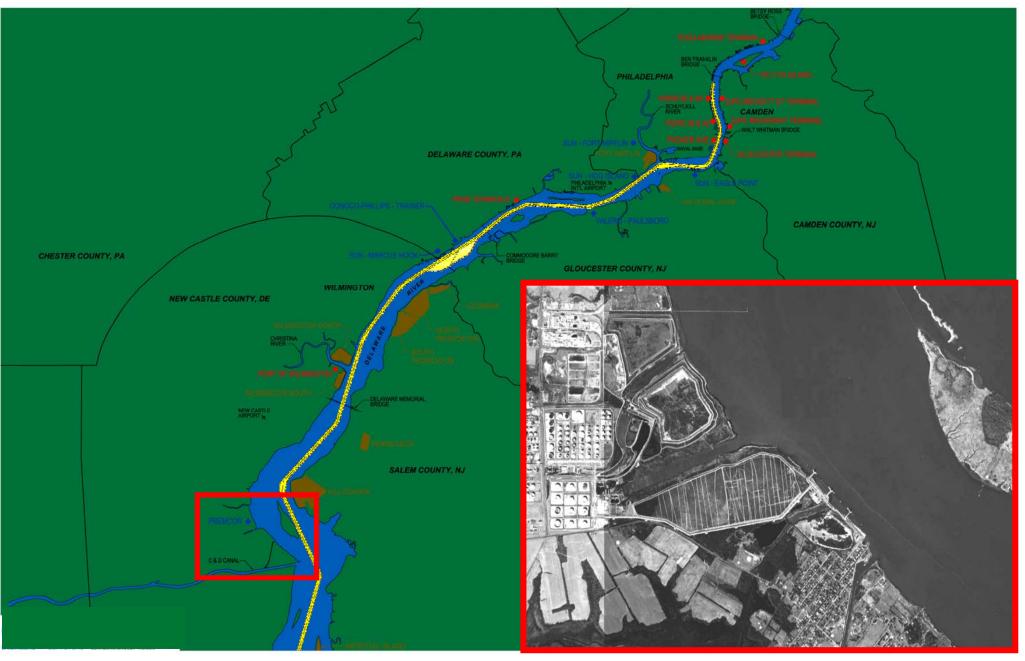
Port of Wilmington

Wilmington, Delaware



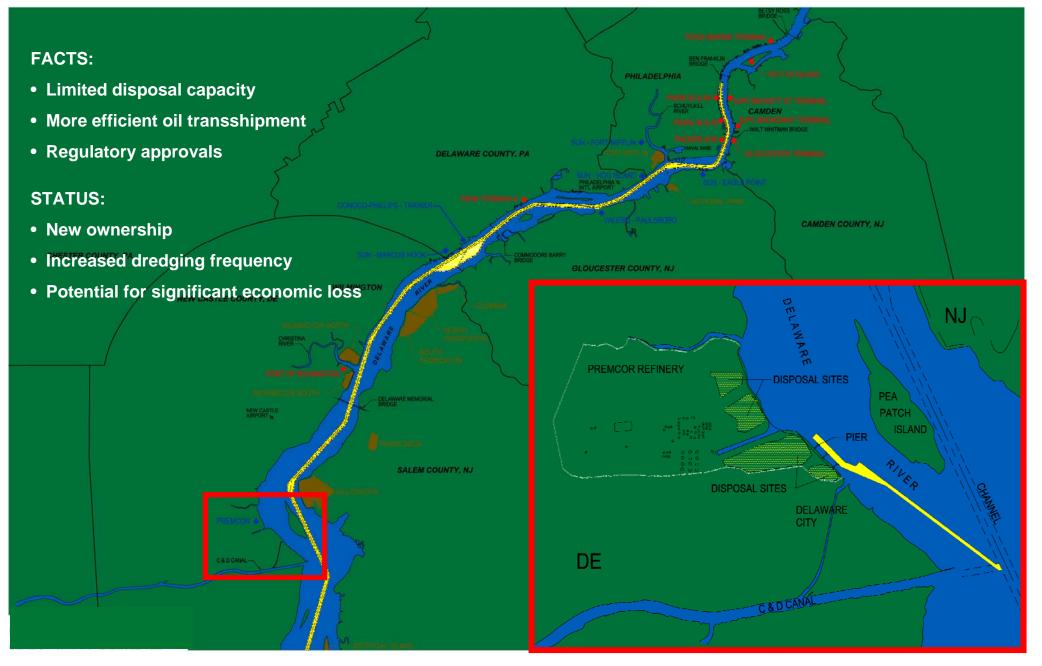
Premcor Inc.

Delaware City, Delaware

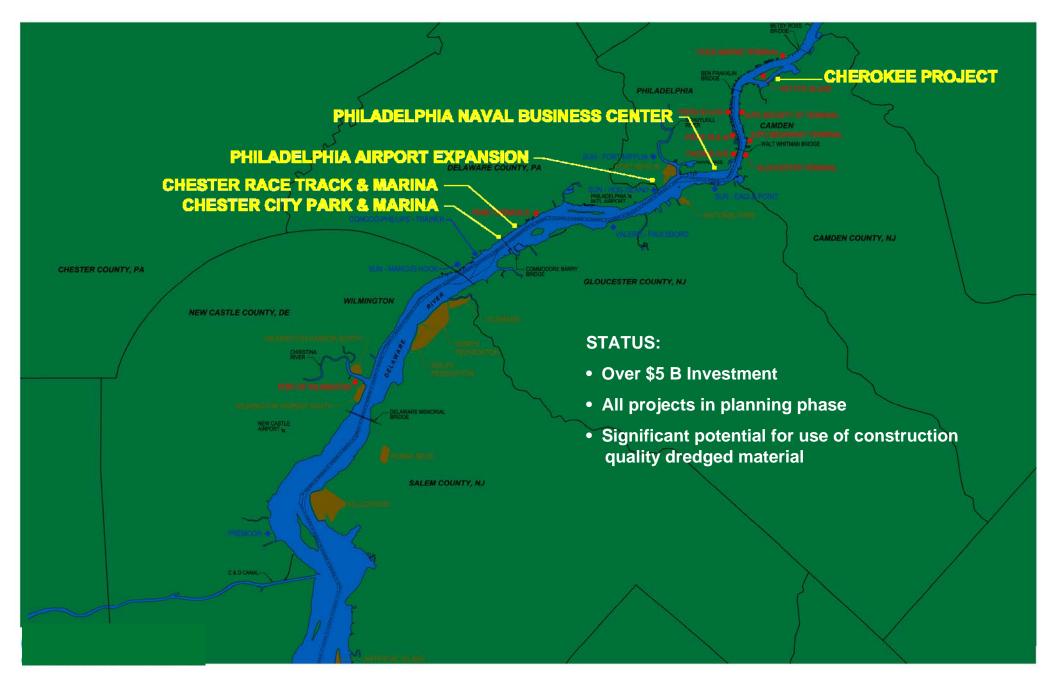


Premcor Inc.

Delaware City, Delaware



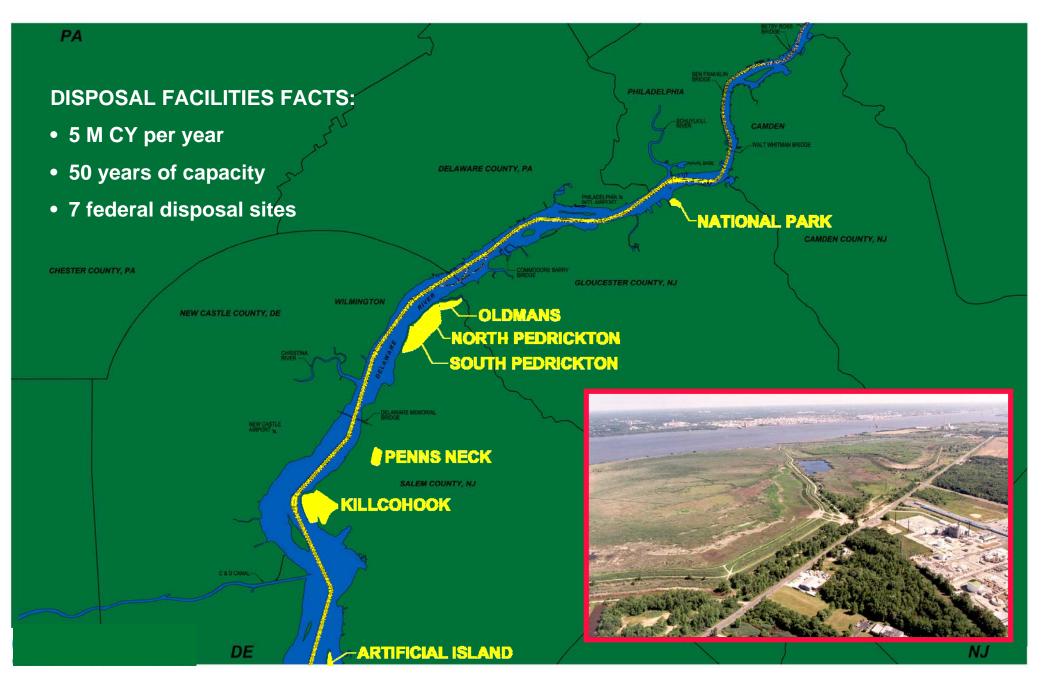
Economic Development Projects



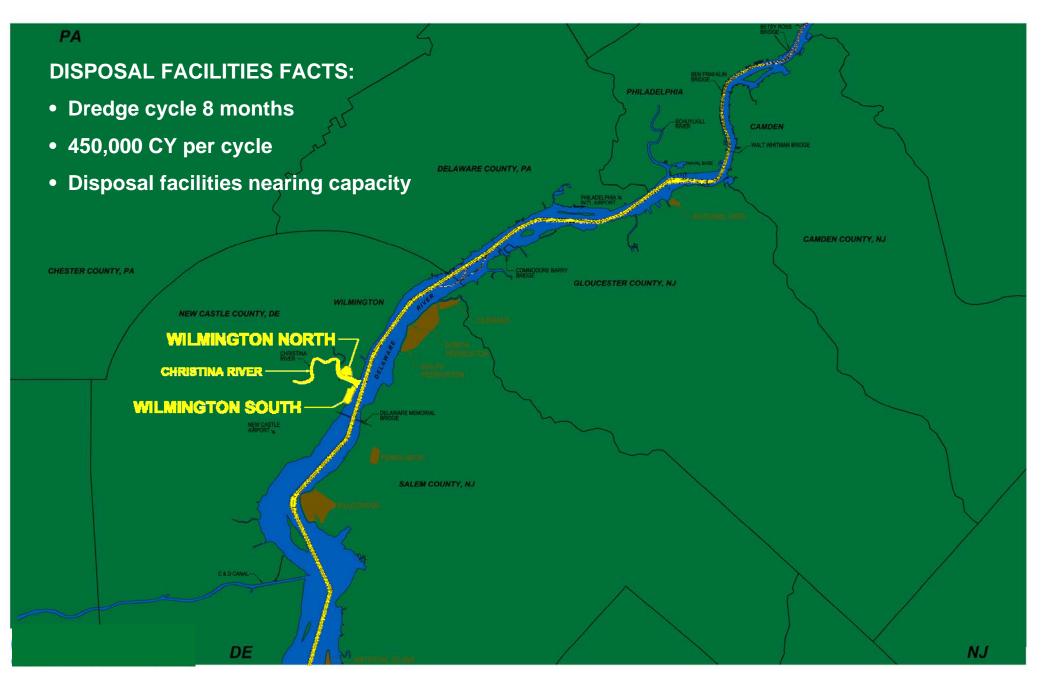
Delaware River Main Channel Deepening



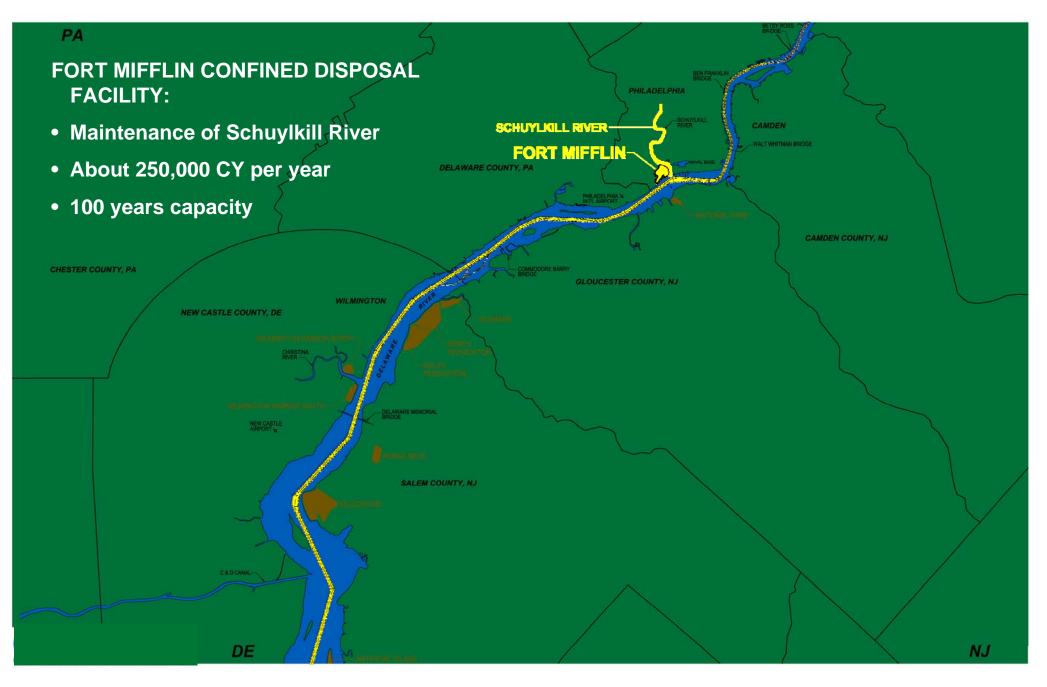
Delaware River Maintenance: Upland Disposal Areas



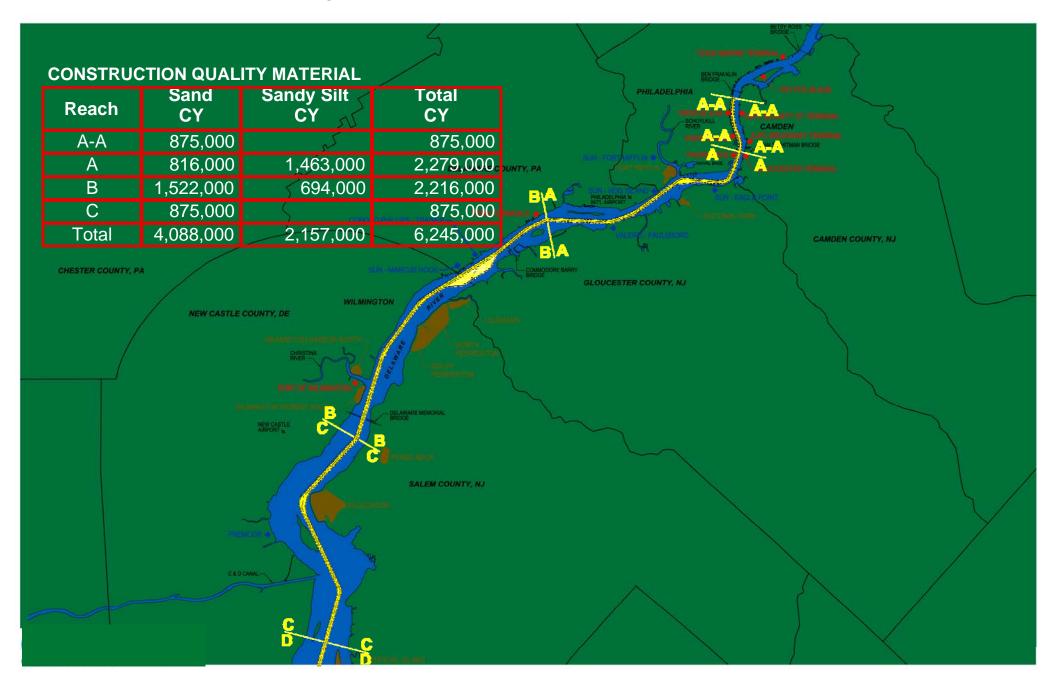
Christina River Maintenance: Upland Disposal Areas



Schuylkill River Maintenance: Upland Disposal Area



Deepening the Main Channel to 45': The Material





Atlanta Regional Commission Freight Planning Initiatives

Delaware Valley Goods Movement Task Force January 20, 2005

Jane Hayse, AICP

Chief, Transportation Planning Division

Caroline Marshall, AICP

Principal Planner, Transportation Planning Division





ARC Background

- Created in 1971 by the Georgia General Assembly as regional planning and intergovernmental coordination agency
- Federal designated Metropolitan Planning Organization
- State designated Regional Development Center







ARC Background

- Designated Area Agency on Aging
- Local administrative agency for the Atlanta Regional Workforce Board
- Planning staff for the Metropolitan North Georgia Water Planning District





Atlanta Region Demographics

- 3.7 million people larger than 25 states
- Home to 3 of the nation's 10 fastest growing counties
- 1.9 million jobs
- Diverse employment
 - 31% services
 - 24% trade
 - 9% manufacturing
- Major goods and services distribution hub







Transportation Planning



Urbanized area covers parts of 19 counties

 Planning boundary recently expanded to reflect 2000 Census data



Determining Regional Needs

- Regional transportation infrastructure evaluated to determine needs
- Local needs identified through local input
- Freight and goods movement needs identified through on-going task force
- Various studies from ARC and planning partners (GDOT, MARTA, and local jurisdictions)



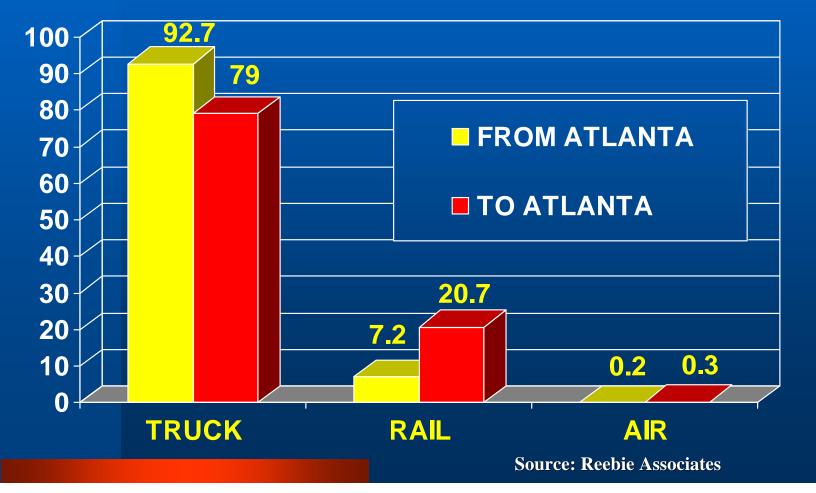
Transportation Challenges



- Congestion on key radial and suburban corridors
 - Mobility and safety for people and freight
 - Freight and goods movement
 - Truck traffic on the highways



Atlanta Region Freight Shipments by Mode, Percent of Tons







Importance of Addressing Freight in Our Region

- Key role in growth and economic development decisions
- Key challenges of moving freight in our region
- Key component of regional transportation system
- Integration into the Regional Transportation Planning Process





ARC Freight Advisory Task Force

- Established in 2003 and meets quarterly
- General membership of public/private sector freight representatives

Purpose

- Provide input to Mobility 2030
- Identify freight mobility characteristics and needs
- Prioritize freight transportation needs
- On-going mission to provide input into the planning process





ARC Freight Task Force Goals

- Improve goods and services movement in the region
- Improve reliability of goods movement
- Minimize the cost of goods movement
- Improve characteristics of transportation system for freight movement





ARC Freight Task Force Objectives

- Provide input on policies and improvements for freight mobility
- Identify freight mobility characteristics and needs
- Highlight the significance of freight to the region
- Improve safety of the transportation system
- Prioritize freight transportation needs





ARC Freight Task Force Accomplishments

- Goals and objectives
- Policies for evaluation in *Mobility 2030 RTP*
- Priority Freight" Corridors
- Identified freight bottlenecks
- Identified freight studies and projects

Helped develop freight component of *Mobility* 2030 RTP





How Freight is Incorporated in the TIP

- Project submittal forms include specific freight related questions (Percent of truck traffic on roadway)
- TIP Project selection Criteria have specific considerations for freight

FY 2005-2010





How Freight is Incorporated in the RTP

- Goals and objectives to improve intermodal connectivity
- Key roadway improvement projects
- Focus on regionally significant transportation corridors
- Policies and recommendations to improve mobility for people and goods





Highlights of Freight Projects in the TIP and RTP

Regional Freight, Goods and Services Study	Study	\$1M	TIP
I-20 W. ATMS, Thornton Rd. to I- 285	ITS	\$10M	TIP
Aviation Blvd. Grade Separation @ NS RR	Interchange Capacity	\$1.3M	TIP
Oakley Industrial Blvd.	Roadway Operations	\$4M	TIP
SR 6-Thorton Rd. truck lanes	Widening 4-6 lanes	\$11M	RTP
I-75 S. to I-285 Westbound	Interchange Upgrade	\$20M	RTP
I-20 W from I-285 to SR 70- Fulton Ind. Blvd.	Widening 8-10 lanes	\$20M	RTP





Regional Goods and Services Plan Development

- Key focus of ARC's overall freight program in 2005
- Most comprehensive assessment of freight planning issues in the region to date
- Goal
 - Proactively address freight and goods movement mobility needs
 - Identify critical regional freight transportation planning infrastructure and policy issues



Future Directions

- Continue freight community involvement
- Identify goods movement needs
- Identify potential freight corridor studies
- Identify priority freight networks
- Identify regional freight bottlenecks
- Conduct Regional Goods and Services Study in 2005





ARC Freight Planning Program



Α1

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A1 ARC, 1/12/2005