Inner Harbor Navigation Canal Lock Replacement Project

May 2001
IHNC Lock (known locally as the Industrial Canal Lock) was opened in 1921.

Target for replacement for over 40 years.
IHNC Lock is a vital link between the Gulf Intracoastal Waterway and the Mississippi River.
Commodity Distribution of 1999
IHNC Lock Traffic

- Coal: 16.3%
- Crude Petroleum: 4.1%
- Petroleum Products: 28.2%
- Industrial Chemicals: 16.0%
- Agricultural Chemicals: 5.0%
- Metallic Ores & Products: 6.6%
- Non Metallic Minerals: 12.7%
- All Others: 10.1%
- Farm Products: 1.0%
Reasons for the Project

★ Critical to Nation’s Commerce

★ #2 Priority Replacement Lock in the Inland Waterway System

★ One of the most congested locks in the Inland System
  ● Average wait is 10 hours, but often as much as 24-36 hours

★ Existing Lock is too small
Construction Sequence

Existing Conditions
Removal of Galvez Street Wharf, East Bank Industrial Area, U.S. Coast Guard and oak trees
Extension of Levees & Floodwalls to New Lock location
Bypass Channel around New Lock location is dredged.
Construction of New Lock – Pile driving for foundation, construction of work platform
Construction of New Lock – lock sections floated in
Construction of New Lock – floated in lock sections complete
Construction of New Lock is complete. Levee tie-ins.
Claiborne Ave. Bridge is replaced with 2 week closure to vehicles.
Temporary bridge at St. Claude Ave. is built.
Bypass Channel around existing lock. Existing St. Claude Bridge is demolished.
Existing Lock is demolished.
New St. Claude Bridge is built. Mooring facilities built. Project Complete.
Project Costs

★ Inland Navigation (shallow draft) Increment
  - 110 ft. by 900 ft. by 22 ft.
  - Cost $511,150,000

★ General Cargo Navigation Increment (Recommended) Plan
  - 110 ft. by 1200 ft. by 36 ft.
  - Cost - $603,000,000
Project Cost Sharing

★ Total Cost $603,000,000
- Utility Owners $25,650,000
- IWW Trust Fund $242,750,000
- Corps Regular Appropriations $305,350,000
- Port of N.O. $29,250,000
Economic Data

Recommended Plan

- Total Annual Cost: $49,927,000
- Total Annual Benefits: $109,706,000
- Annual Net Benefits: $59,779,000
- Benefit to Cost Ratio: 2.2
Benefits to New Orleans

★ New, more reliable bridges at St. Claude & Claiborne Avenues
★ Safer, more efficient connection in the waterway system
★ An average of 950 jobs annually created by construction of the project
★ About $1.5 Billion in total spending in the local economy generated by construction of the project (Tim Ryan, 1998)
National Benefits

- Transportation savings will generate about $143 Million in additional industrial output by the nation.
- As a result, about 825 jobs will be created nationally earning about $31 Million in wages.
- Truly a National Project!!!
Community Impact Mitigation Plan

★ Plan is One of a Kind
★ Specifically authorized by Congress (WRDA 96)
  • “The Secretary shall implement a comprehensive community impact mitigation plan…”
★ Estimated Dollars ($37.0 M)
★ Implement up front as construction begins
The Impact Community
Reduction of Impacts

The Corps recognizes disruption to the urban environment

To offset negative impacts, the Corps will:

- **Not** relocate residences
- *Phase* construction in different areas
- Maintain bridge accessibility
- Build replacement lock & bridges **offsite**
- Barge in most materials & equipment
- **Solicit Community Input & Involvement**
Involving the Community

Community-Based Mitigation Committee (CBMC) Concept:

- A unique effort to build a broad-based community participation process to work in tandem with the Corps throughout the IHNC Lock Replacement Project

Goal:

- Provide valuable input toward the formulation and implementation of a Community Impact Mitigation Plan
Community-Based Mitigation Committee

CBMC Tasks are to:

★ Update Needs Assessment of the Lock Replacement Project Impact Area
★ Identify community needs with help of technical advisors
★ Update Annually – Three-Year Mitigation Plan for the Lock Replacement Project
★ Meet monthly throughout the project
★ Host quarterly public meetings
★ Keep community residents informed
Partnering with CBMC

★★ Objective: ★★
- A unique partnership effort between Community & the Corps of Engineers
- Chance to build a broad-based community participation process

★★ Benefits: ★★
- Enhanced trust and confidence between area residents and the Corps
- Opportunity for urban revitalization through expenditure of mitigation funds
Public Information

- Quarterly Public Meetings
- Community Information Office
- Corps News Releases
- Newsletters
- Construction Brochure
- Walker/Talkers

Web Site: http://www.gcr1.com/ihnc

Industrial Canal Lock Construction Bulletin

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Number 1

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New Orleans District
www.nawnee.army.mil
Mitigation Plan Can Include:

- Additional police protection
- Upgraded & new roads
- Additional Emergency Medical Services
- Job Training for jobs on the project
- Air-conditioned & insulated houses
- Housing rehabilitation program
- Educational improvements
- Parks & playgrounds
- Landscaping
- Additional lighting
- Walk/Jog/Bike paths
- Observation decks
- Business Assistance Program
- Historical & cultural markers and displays
- Business revenue loss reimbursement
Status of Mitigation Plan

- Contract awarded to GCR & Associates, Sept 1999
- Community-Based Mitigation Committee (CBMC), Feb 2000
- Partnering Agreement between Corps and CBMC, Mar 2000
- Needs Assessment and first 3-year completed, July 2000
- Corps developing implementation strategies
- CBMC will be reviewing/revising plan, as needed
Mitigation underway
Job-Training

★ Initial job-training program awarded in August 2000 to Xavier University

★ Focused on preparing presently unemployed persons for entry-level construction jobs

★ Procurement was set-aside for Historically Black Colleges and Universities and Minority Institutions (HBCU/MI)

★ First class now complete. Some hired on existing contracts
New Lock Location

Test Pile Contract

Galvez St. Wharf

T.E.R.C. Contract
Test Pile Contact
Contractor: Boh Bros.
T.E.R.C. Contract
Contractor: Washington Group
T.E.R.C. Contract
Contractor: Washington Group
T.E.R.C. Contract
Contractor: Washington Group
T.E.R.C. Contract
Contractor: Washington Group
T.E.R.C. Contract
Contractor: Washington Group
T.E.R.C. Contract
Contractor: Washington Group
Galvez St. Wharf
Demolition Contract
Contractor: Virginia Wrecking Co.
Project Information

- ACORN, ACLU and ACT lawsuits, all dismissed
- PCA Negotiations with Port of New Orleans
- Tunnel Study for St. Claude and Claiborne Ave.
- Local Labor Preference Clause in Contracts
Navigation
River Flood Control
Hurricane Flood Control
Environmental Enhancement
Wetlands Restoration
Support for Others