

**American Society of Naval Engineers
Comments for Col. Peter Rowan
May 21, 2003**

SLIDE

TEXT

1. Seal Obverse

2. Title Slide
American Society of
Naval Engineers
May 21, 2003

Greetings. Introduction.

3. Fed Gov't
Expenditures

Corps funding comes out of
Domestic Discretionary (\$329.5B)

4. COE FY03 Appro

Operate on a 3-year cycle appropriation
cycle
* Initiating our budget submission for
FY05
* Congress is deliberating on the
President's budget for FY04
* We are operating under FY03 funds
appropriated by Congress

5. NOD FY03
Expenditures

FY03 Program \$435 Million

6. NOD Mission

Mission

Flood Control

* Drain 41% of US + 2 Canadian provinces

* 973 river miles levee & floodwalls

* 320 HPL

Navigation

* 400 miles deep draft

* 2,400 miles shallow draft

* 12 locks & 6 navigation control structures

Environment

*4,500 permits issued annually

* CWPPRA; Coast 2050; LCA

* Freshwater Diversion

- Caernarvon (blt.'90); preserve 16,000 ac

- Davis Pond (blt.'02); preserve 33,000 ac

7. Authori./Appropria.

Authority – defines project

Appropriation – annual funding mechanism

8. Authori. Timeline

Historical perspective of authorities and resulting projects

9. Water Resources
Customer Guide

Visit our Web site for access to our
Customers' Guide at

www.mvn.usace.army.mil

10. Photo: IHNC
BULLET: February 2003
Phase 1, design award

IHNC

Current Status:

Phase 1 Lock Design, awarded (AE contract) in February—subject to funding

Special Interest:

George Goethels (GO thulls), chief engineer for Panama Canal Lock, designed the IHNC. Architecture & design is similar.

11. Graphic: IHNC constr
progression
BULLET: 2000 -
Existing Conditions

2000 - Existing conditions

12. Graphic: IHNC constr
progression
BULLET: 2001-2004
Preparation of Adjacent
Area

2001 – 2004 – Preparation of adjacent area
Removed: Industrial area (east bank)
Galvez St. Wharf (west bank)
Contracts Completed:
*1st phase, East Bank Levee Test Section
*Galvez St. Wharf Demolition
Contracts Underway:
*East Bank Industrial Area Demolition &
Remediation – compl. Mar 04
Contract to be awarded:
*West Bank Levee & Floodwall ('04)

13. Graphic: IHNC constr
progression
BULLET: 2004-2008
*Lock sections floated in
*Construction of new
lock completed
*Levee tie-ins completed
*Claiborne Ave. Bridge
replaced

2004-2008
*Lock sections floated in
*Construction of new lock completed
*Levee tie-ins completed
*Claiborne Ave. Bridge replaced w/2 week
closure to traffic

14. Graphic: IHNC constr
progression
BULLET: 2007-2011
*Temporary bridge at St.
Claude
*By-pass around old lock
*Old lock demolished

2007-2011
*Temporary bridge at St. Claude
*By-pass around old lock
*Old lock demolished

15. Graphic: IHNC constr
progression
BULLET: 2011-2013
*St. Claude Bridge built
*Mooring facilities built
*Project complete

2011-2013
*St. Claude Bridge built
*Mooring facilities built
*Project complete

16. Graphic: Bayou Sorrel Lock – proposed lock
BULLET: Construction scheduled in FY 2006

Bayou Sorrel Lock

Old lock

- * Smallest in the MR&T System
- * Located in the EABPL
- * Elev. 24
- * Dimension: 56'x797'

Proposed new lock

- * Meet navigation & flood control purpose
- * MR&T project design flow line has increased to elev. 31.7
- * Dimension: 75'x1200'
- * Built on gov property adjacent to old lock
- * Submit feasibility report – June 03
- * Construction start date – FY 06

17. Leon Theriot Floodgate

Leon Theriot Floodgate

Status:

- * PAC recommending conversion of lock to floodgate completed & submitted to MVD/HQUSACE for review
- * A model study of proposed lock configuration conducted by ERDC

18. O&M- Navigation scene
BULLET: \$140 M total O&M

O&M, Navigation

- * Congress → O&M, General → Dredging
- * Major Waterways:
Miss, Atch, GIWW, MR-GO, Calcasieu
- * Smaller waterways; locks; control structs
- * Spend \$83 M annual on
maintenance dredging; remove 80 M cy
- * Dredge to Congr. auth. depth
- * Funding permitting, dredge to auth. width

19. Port Allen Lock

Port Allen Lock

WHY: Gates were overdue for maintenance and repair.

WHAT: Gates replaced in lieu of repairing in place – reduce downtime to navigation.

HOW: Use of balloon ballast to augment lifting capacity. Devised specialized technique to lift/lower gates (balloons) while maintaining control of the gates (Brownlee)

RESULTS: Gate replacement in minimum time and cost.

20. Photo: aerial of fragmented land loss

Final topic:

Louisiana's coastal land loss

21. LCA: 30/90% graphic

* 20th century lost: 1,875 square miles
* Next 50 years: another 672 square miles lost = Delaware & Greater Washington D.C. area.

22. LCA: Impacts/
Stats on slide

Impacts: fisheries, oil and gas infrastructure, hurricane protection and port facilities.

23. Map: LCA
Comprehensive Study
area

Large disparity between the acres gained and trends of loss.
Corps/feds/state - Louisiana Coastal Area, or LCA, study.

24. LCA Schedule

Congress for authorization under WRDA 04.

25. Graphic: LCA Key
dates

Strategic actions and meetings.

26. Photo: (aerial) N.O.
CBD

Thanks.

