

**Gulf Intercoastal Canal  
Association Convention  
August 4, 2015**



# Inland Waterway Users Board / IHNC

## IWUB #70

- USACE was conducting fiscal close out of the IHNC Deep Draft Lock Replacement Project
- USACE is pursuing a Shallow Draft Lock Replacement feasibility study
- FY14 Work Plan included \$50K to initiate a General Re-evaluation Report
- Lock Dimensions will be determined during the General Re-evaluation Report

## IWUB #71

- No Funding for IHNC in the President's FY 2015 Budget
- Port of New Orleans encouraged the USACE to move forward with a shallow draft lock replacement study
- USACE has yet to determine the sill depth of a shallow draft lock replacement
- USACE will include appropriate stakeholders to determine sill depth during the General Re-evaluation Report

## IWUB #72

- Expenditures on IHNC totaled \$138,374,774 (Deep Draft)
- \$72,139,770 General Treasury
- \$66,235,004 IWTF
- \$5,507,789 Port of New Orleans

# Inland Waterway Users Board / IHNC

## IWUB #74

- Initiated Study Jan. 2015 upon receipt of FY15 funding
- Utilizing SMART Planning Principles to complete the study in 3 years for \$3 Million
- **Lock replacement alternatives:**
  - Length: 900'-1,200'
  - Width: 75' – 110'
  - Sill Depth: 16.5' - 22'
- **Study Schedule**
  - Initiate General Reevaluation Report – Jan 2015
  - Alternatives Milestone – March 2015
  - Tentatively Selected Plan - March 2016
  - Draft Report Submitted to EPA – May 2016
  - Agency Decision Milestone – Oct 2016
  - Civil Works Review Board – Oct 2017
  - Chief's Report – Dec - 2017



**Existing Lock Dimensions**

**Length: 640 ft**

**Width: 75 ft**

**Depth: 31.5 ft**

# Inland Waterway Users Board / Bayou Sorrel

## IWUB #70

- USACE reports Bayou Sorrel Lock replacement project is not economically justified
- USACE has inactivated the Bayou Sorrel Lock replacement project
- **If economic conditions change, the project could be re-evaluated**

## IWUB #71

- USACE reported to Headquarters that Bayou Sorrel Lock replacement project is not economically justified on January 26, 2014
- USACE is moving forward with inactivating the Bayou Sorrel Lock replacement project
- Since January of 2005 constructions costs have increased by over 300%
- DOE 2012 projections, in petrochemical sector, showed a no-growth scenario over the next 50 years

# Inland Waterway Users Board / Bayou Sorrel

## IWUB #73

- As of Jan 2014, project moved to inactive status
- Flood risk management deficiencies will be addressed through MR&T program, continue to fight flood as needed
- Existing Lock will continue to operate and be maintained as currently authorized
- New Orleans District will execute communication plan to inform stakeholders of project inactivation
- Received a copy of Bayou Sorrel Lock Replacement Post Authorization Change Study, dated September 2013.
- **Least Cost Flood Risk Management Plan:**
  - 75' x 800' Lock Chamber
  - Incremental Annual Costs: \$11,500,000
  - **Incremental Annual Benefits: \$7,800,000**
  - **Benefit to Cost Ratio: 0.68**

# Chief of Engineers Report Recommended Plan



\* Drawing is not to scale

# Inland Waterway Users Board / GIWW Control Structures

## WRRDA2014 Section 2013

- Authorizes the Secretary of the Army to carry out operation and maintenance activities at flood gates that cross navigation channels at a cost share of 65% Federal and 35% Non-Federal.
- IWUB #75 the USACE estimates the 65% Federal cost for Operation and Maintenance to be \$3.8 Million annually. Breaks down to \$1.05 Million for the East Complex, \$2.2 Million for the West Complex and \$550 Thousand for the Harvey Canal structure.



# Inland Waterway Users Board / GIWW Construction Projects

## WRRDA 2014 Section 2002

- Requires the Secretary of the Army, in coordination with the IWUB, to submit to Congress a 20-year investment strategy for the nation's inland and intercostal waterways.
- This investment strategy is now being called the Capital Investment Strategy (CIS)
- The CIS was completed in late May and is now being vetted through OM&B and the Assistant Secretary's office.
- Within the CIS are two projects (Channel Design) on the GIWW. They are High Island to Brazos and Brazos to Port O'Conner, Matagorda Bay.
- The CIS, pending full use of the IWTF revenues, shows we can complete the High Island to Brazos project in 2016, **was scheduled for 2053**, and the Brazos to Port O'Conner project in 2022, **was scheduled for 2050**.

# Inland Waterway Users Board / Lock Performance Monitoring System (LPMS)

## IWUB #73

- We first started discussions on how data was entered into the LPMS, specifically at Bayou Sorrel.

## IWUB #74

- Inland Navigation Planning Center for Expertise (INPCX) confirmed that data entry into LPMS was not correct and varied by lock. The following recommendations were made by IPNCX.
  - Clarification of LPMS navigation terms
  - Corps Locks website Quality Control
  - LPMS record review/correction at IWR
  - Create consistent data entry procedures
  - Training of LPMS entry and District POCs
  - Data collection exceptions to the rule

# Inland Waterway Users Board / Lock Performance Monitoring System (LPMS)

## IWUB #75

- Proposal to change LPMS
  - Make Queue Time mandatory
  - Queue time + Delay time = Wait time
  - Define arrival point/time
  - Proposal to change LPMS
- Procedures for these changes
  - Internal IWR Nav consistency
  - HQ review/approval
  - Stakeholder review and input
  - Final HQ approval
  - Establishment of new procedures at locks
  - Proposed Schedule 30 July 2015
  - Dr. Mark Sudol (IWR) to update the board at IWUB #76, in Nashville on August 12<sup>th</sup>

# Inland Waterway Users Board / Lock Performance Monitoring System (LPMS)

## So why the importance of correct data within LPMS?

Bayou Sorrel Locking Averages June 23<sup>rd</sup> through July 19<sup>th</sup>  
239 Single Lockings/189 Double Lockings

Ave Delay	Ave Delay Adjusted by USACE	Differential/Hours	Tow	Differential/Days
10.69	10.69	0.00	Single	0.00
12.81	2.51	10.30	<b>Double</b>	81.10
Total Time/Days	Total Cost	USACE/Adj. Cost	Tow	Differential/Cost
106.47	\$766,570	\$766,570	Single	\$0.00
<b>100.86</b>	<b>\$726,195</b>	<b>\$142,240</b>	<b>Double</b>	<b>(\$583,955)</b>
<b>207.33</b>	<b>\$1,492,765</b>	<b>\$908,810</b>	<b>Single/Double</b>	<b>(\$583,955)</b>

- Least Cost Flood Risk Management Plan/Bayou Sorrel:
  - 75' x 800' Lock Chamber
  - Incremental Annual Costs: \$11,500,000
  - **Incremental Annual Benefits: \$7,800,000**
  - **Benefit to Cost Ratio: 0.68**

# Inland Waterway Users Board / Lock Performance Monitoring System (LPMS)

## Brazos Flood Gates



### US Army Corps of Engineers Lock Performance Monitoring System

[Home](#) > [Lock Queue Report](#)

#### Selection Criteria

Select a river system and a lock, then click the Submit button to view a report of the most recent vessel traffic reported at the lock.

Select a River System:

Select a Lock:

Avg Transit in Minutes (Past 24 Hours): 1

Avg Delay in Minutes (Past 4 Hours): 14

Avg Delay in Minutes (Past 24 Hours): 23

Report Runs Every 15-Minutes: Last Updated (EST) 07/24/15 11:32 AM

#### Most Recent Lockages

Vessel Name	Vessel No	Direction	Nbr of Barges Proc	Arrival Date	SOL Date	End of Lockage	Timezone
CAPT WARREN	0538160	D	1	07/24/15 09:50	07/24/15 10:07	07/24/15 10:08	CST
LUKE BRYAN	1165346	U	1	07/24/15 09:40	07/24/15 09:48	07/24/15 09:50	CST
MIA KELLEY	1188649	U	1	07/24/15 09:26	07/24/15 09:34	07/24/15 09:35	CST
CAPT WARREN	0538160	D	1	07/24/15 08:20	07/24/15 08:36	07/24/15 08:37	CST
SID MOLLER	1216426	D	1	07/24/15 07:50	07/24/15 08:19	07/24/15 08:20	CST
HOUSTON	1198884	D	1	07/24/15 07:45	07/24/15 07:54	07/24/15 07:55	CST
CAROL ANN GOLDING	1254789	U	1	07/24/15 07:35	07/24/15 07:44	07/24/15 07:45	CST
SID MOLLER	1216426	D	1	07/24/15 06:30	07/24/15 06:43	07/24/15 06:44	CST
HOUSTON	1198884	D	1	07/24/15 06:20	07/24/15 06:32	07/24/15 06:33	CST
CAROL ANN GOLDING	1254789	U	1	07/24/15 06:07	07/24/15 06:16	07/24/15 06:17	CST
BRIANNA ELIZABETH	1258454	U	2	07/24/15 05:48	07/24/15 05:59	07/24/15 06:00	CST
CAPT J W BANTA	1249832	U	2	07/24/15 04:52	07/24/15 04:59	07/24/15 05:00	CST
DAVID F STONE	1090243	U	1	07/24/15 04:42	07/24/15 04:47	07/24/15 04:48	CST
RONNIE ROGERS	1185467	U	2	07/24/15 03:37	07/24/15 03:49	07/24/15 03:50	CST
CROSBY LEGEND	0638001	D	1	07/24/15 02:20	07/24/15 02:29	07/24/15 02:30	CST

[Export to CSV](#)

1 - 15 [Next >](#)



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