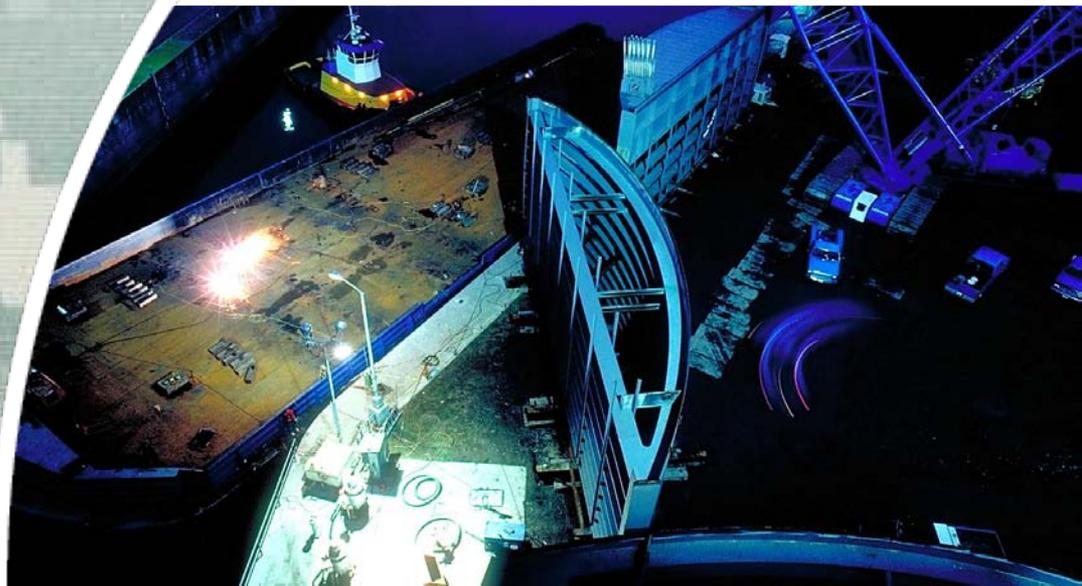


# IMTS Capital Investment Plan Implementation Status

Briefing for IWUB 65

Jim Walker, HQ

April 1, 2011



®

US Army Corps of Engineers  
**BUILDING STRONG**®

# 3 Implementation Teams

- Strategic Communication - Mark Pointon
- Financial - Jeanine Hoey
- Process - Jeff Stamper



# Strategic Communication

- Encourage Project Manager Certification
- User Board member for each Capital Project
- Provide Project Status Communication 
- Include User Board Chairman as signatory to Project Management Plans
- Revisit Continuing Contracts Clause use
- Make the Relative Risk matrix consistent with the Dam Safety Assurance Criteria 



# Revisit Continuing Contracts

- Presently fully funding efforts under \$20M
- CPBM recommends seeking Congress raise this to \$50M and allow Continuing Contract clause for efforts over \$50M
- ASA(CW) approves construction account Continuing Contracts
  - ▶ Approval process is provided in EC 11-2-198, Execution of the Annual Civil Works Program
- A second Continuing Contracts clause is being developed – available in FY12. Congress prefers it.
- Presently 3 IMTS Continuing Contracts
  - ▶ Olmsted, Chickamauga and Kentucky



# Finance

- Establish procedures for recommending new construction starts
- Develop criteria for evaluation of IMTS Channels
- Identify and quantify other IMTS beneficiaries
- Develop and standardize additional economic data
- Improve automation of the prioritization process



# IMTS Beneficiaries

- Dr. Larry Bray's final report was accepted by the Corps in Jan 2011.
- Exploring an expanded study for river system-wide beneficiaries
- Corps discussing scope of next phase of work with Dr. Bray. Work will begin in May following completion of a non-Corps effort.



# Additional Economic Data

- Purpose is for Economic Consequences
  - ▶ Use in Budget Development and Capital Investments
- Update benefit data IMTS-wide on 5-year cycle – this year is Southwest Division: Arkansas and Red Rivers and GIWW.
- Revise model used to estimate closure impacts in FY12



# Process

- Develop Risk Based Cost Estimates
- Capital Projects for External Peer Reviews
- Apply Lessons Learned to new Capital Projects
- Evaluate use of Early Contractor Involvement in upcoming capital projects
- Implement applicable principles of Military Construction program to Capital Projects



# Process - Continued

- Create Design/Review Centers of Expertise
- Develop a portfolio of standardized designs
- Develop reliability data



# Method of Delivery

- Key groups: IMTS Board of Directors; Command Council; Regional Management Board
- Navigation Lock design method of delivery
  - ▶ 1 of 2 efforts underway of 10 in queue
  - ▶ RMB and Engineering Chiefs on board
  - ▶ Review Team established, meetings underway
  - ▶ Effort to be completed this summer
  - ▶ Effort being briefed to Command Council at ENFORCE next week



# Standardized Components

- Engineering Division agreement with the approach
- Regional Navigation Design Team
- Prioritized list of components
- Funding for EN efforts
  - ▶ Existing design efforts – Upper Miss
  - ▶ New designs
- Status: Awaiting funds – FY11 priority is Method of Delivery



# Implementing Regulation

- An Operations Order (OPORD) is a well established DOD / Army standard for transmitting guidance, direction, and taskings throughout organizations. Highly developed “process” and part of our military culture.



# OPORD Basics

- Operation Order (OPORD) - An operation order is a directive issued by a commander to subordinate commanders for the purpose of effecting the coordinated execution of an operation
- Provides the “5 W’s” (Who, What, Where, When, Why) for an operation/activity + the “How” it will be accomplished.
- OPORD for CPBM recommendations has been drafted, is being reviewed and will be issued in April 2011.



# Upcoming Activities

- Issue OPORD
- Incorporate Operational Condition Assessment (OCA) results incorporated into FY13 Budget development
- Conduct an IMTS CPBM team meeting to apply the OCA results to the CPBM prioritized list
- Pursue an OPORD for Navigation Lock Design Method of Delivery

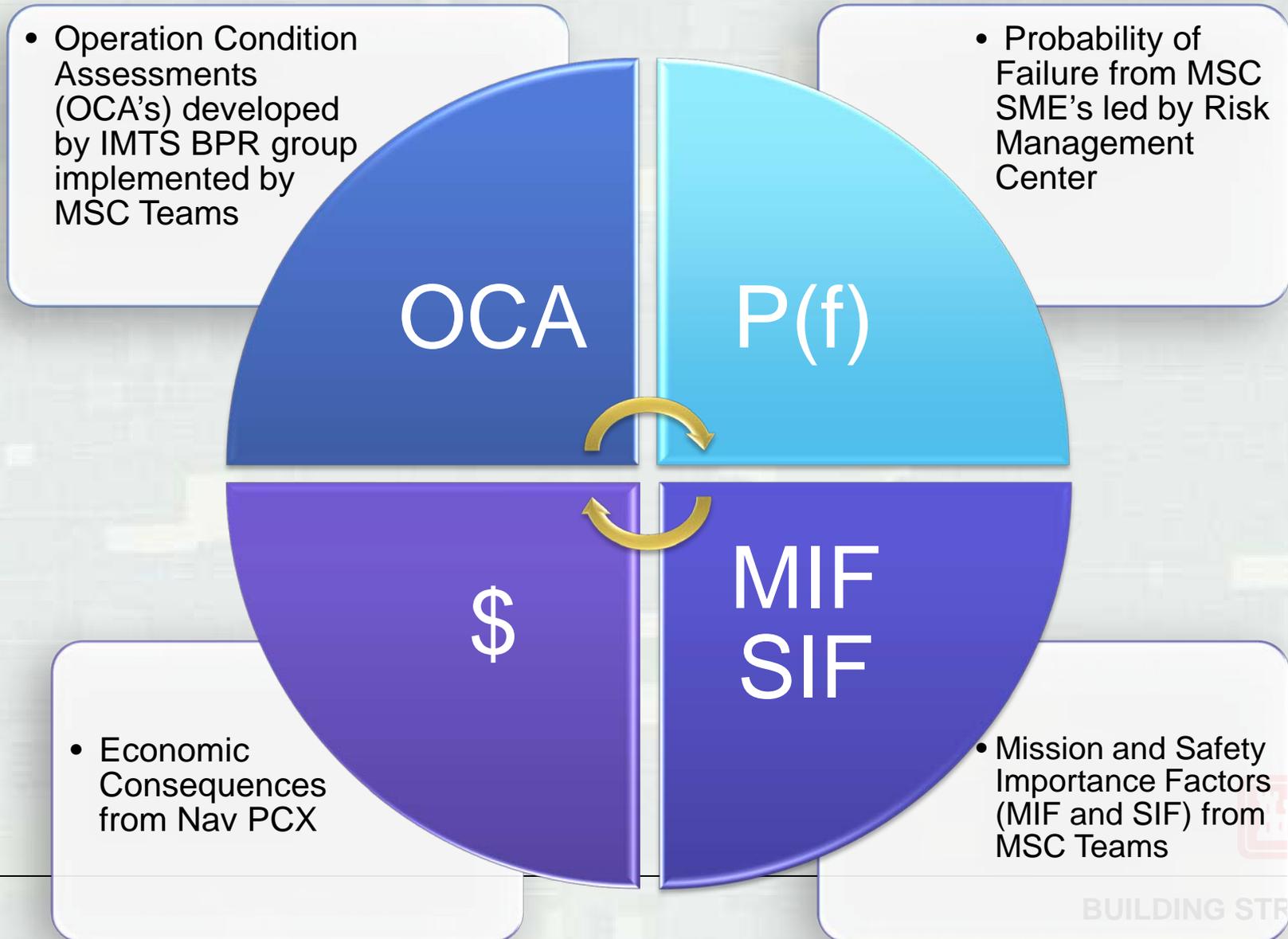


# OCA Results Overview

- 192 Navigation Locks (primary chamber)
- 300+ components at each lock
- Initial results 94% of components in 'A' or 'B' condition
- 'C', 'D' and 'F' components being prioritized for FY13 Budget



# Navigation Budget Process using OCA's



# Navigation Relative Risk Matrix

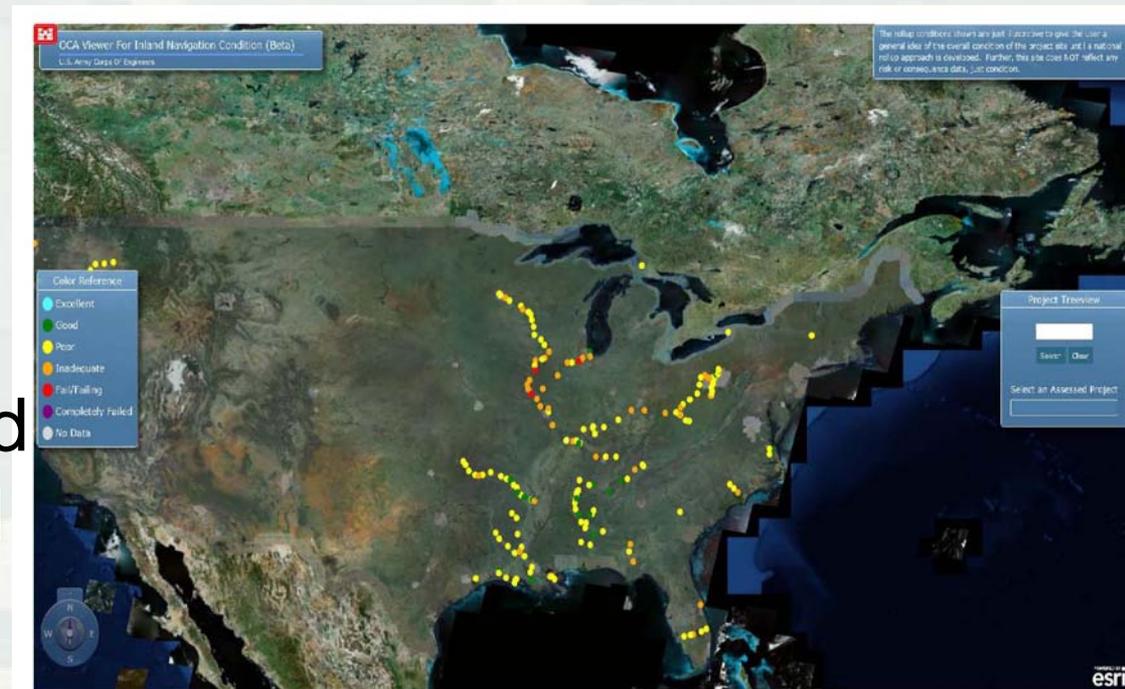
**TABLE V-3**  
**Relative Risk Ranking Matrix**

Condition		Condition Classification				
		F (Failed)	D (Inadequate)	C (Probably Inadequate)	B (Probably Adequate)	A (Adequate)
Consequence Category	I	25	24	22	19	15
	II	23	21	18	14	10
	III	20	17	13	9	6
	IV	16	12	8	5	3
	V	11	7	4	2	1



# IMTS Capital Projects Update

- Operational Condition Assessments - initial prioritization included estimates for projects that had not been evaluated
- All projects completed in FY10



# IMTS Capital Projects Update

- Update
  - ▶ Unchanged after actual OCA - 59 projects
  - ▶ Better condition after actual OCA – 6 projects
  - ▶ Worse condition after actual OCA – 47 projects
- Implications
  - ▶ New Construction Program – No Change
  - ▶ Major Rehab Program – Requires re-evaluation by Team



# Implementation Calendar

Typical Cycle for Inland Marine Transportation System Capital Investment Program												
Program Year	2012	2013	2014	2015								
	2011 Oct	2011 Nov	2011 Dec	2012 Jan	2012 Feb	2012 Mar	2012 Apr	2012 May	2012 Jun	2012 Jul	2012 Aug	2012 Sep
2012 Program Year Activities	<b>Fall IWUB Meeting</b> - Project Status Briefings		<b>Winter/Spring IWUB Meeting</b> -Project Status Briefngs						<b>Summer IWUB Meeting</b> - Project Status Briefings			
	Execute Inland Marine Transportation System Capital Program for FY 2012											
2013 Program Year Activities	<b>Fall IWUB Meeting</b>		<b>Winter/Spring IWUB Meeting</b>						<b>Summer IWUB Meeting</b> - Approve and sign Project Management Plans			
					President's Budget released							
					Prepare Project Management Plans that define scope, cost and schedule for budgeted projects							
2014 Program Year Activities	<b>Fall IWUB Meeting</b> - Present and approve current unconstrained project list		<b>Winter/Spring IWUB Meeting</b> - Present prioritized project list. Recommend new starts for construction and studies, recommend any divestitures, appoint IWUB representative for PDT.						<b>Summer IWUB Meeting</b>			
	<b>Prioritize Projects</b>				<b>Program Year Budget Development</b>							
2015 Program Year Activities	Update Unconstrained Project List. Add and delete projects as required. Include BCR and Net Benefits data for projects that have completed studies. Move projects to current phase, update project costs, update criteria and weights and update project schedules if changed.											

# IWUB Fall Meeting

- Execution Year: Project Updates
- Execution +1:
- Execution +2: Present updated unconstrained project list



# IWUB Spring Meeting

- Execution Year: Project Updates
- Execution +1:
  - ▶ President's Budget Released
  - ▶ PDT begin developing PMP
  - ▶ Identify IWUB representative for PDT
- Execution +2
  - ▶ Present prioritized project list
  - ▶ Recommend new starts for construction projects and studies
  - ▶ Recommend divestitures



# IWUB Summer Meeting

- Execution Year: Project Updates
- Execution +1: Approve and sign Project Management Plans (Projects included in President's Budget)
- Execution +2: PDT developing budget
- Execution +3: PDT begins updating project data
  - ▶ Add/Delete projects
  - ▶ Include net benefits and BCRs for projects that have completed studies
  - ▶ If changed, update project phase, criteria, schedule, budget



# IMTS - Reliable, Efficient, Resilient



Questions/  
Comments