



Introduction

- Achieving success
- Regional Navigation program approach
- Regional Long-term Navigation Management Plans
- Optimizing Major Maintenance
- The Journey

Achieving Success Major Navigation Systems

Vision:

Strategy:

Goals:

Objectives:

Crystal-clear system vision

Establish joint strategy for success

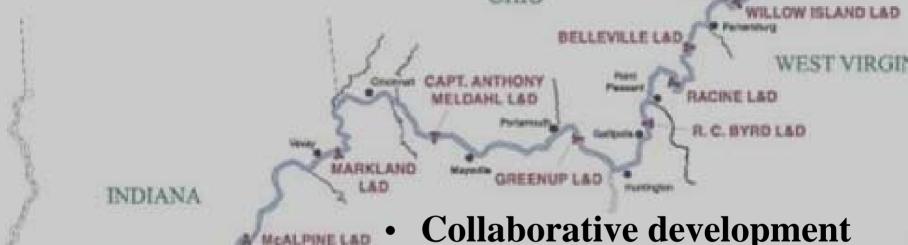
Integrate management goals

Set & execute annual objectives

Each major system may achieve success with a regional program supporting the National economy



Optimizing a Successful Programmatic Approach



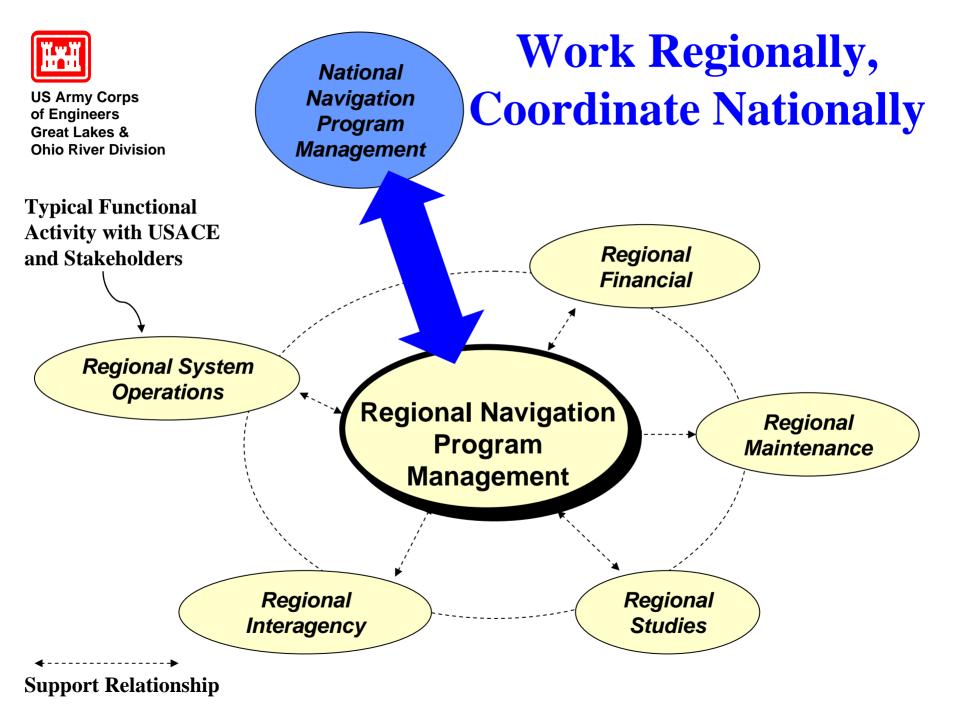
- KEN•U Solid communication
 - Global + regional vision
 - National + regional synergy
 - Dynamic improvement pattern

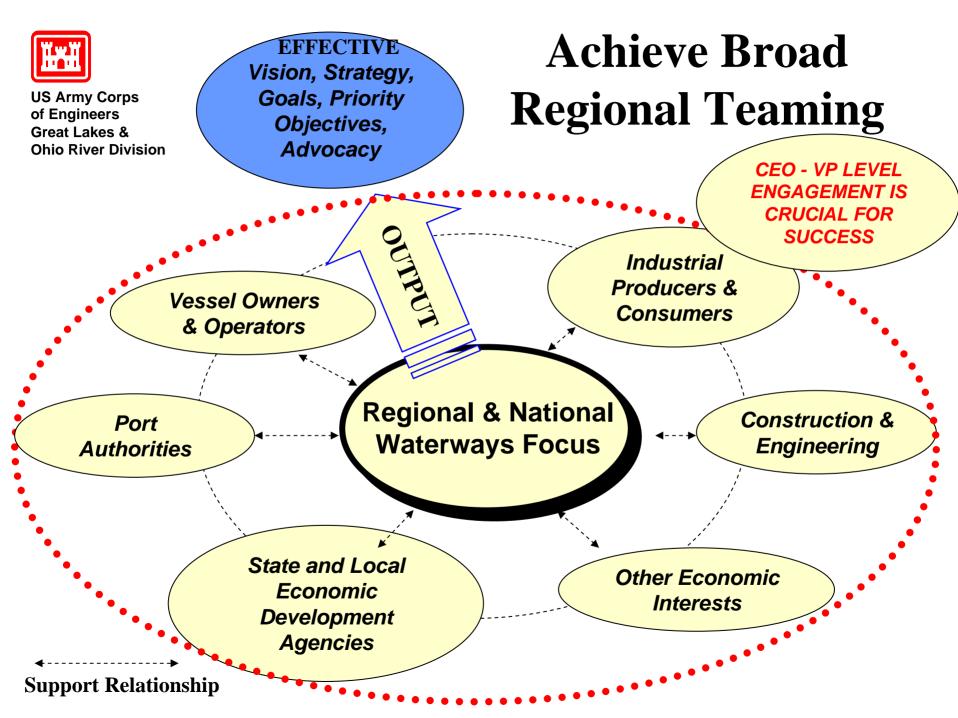
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Know value of what we do

Using Vision

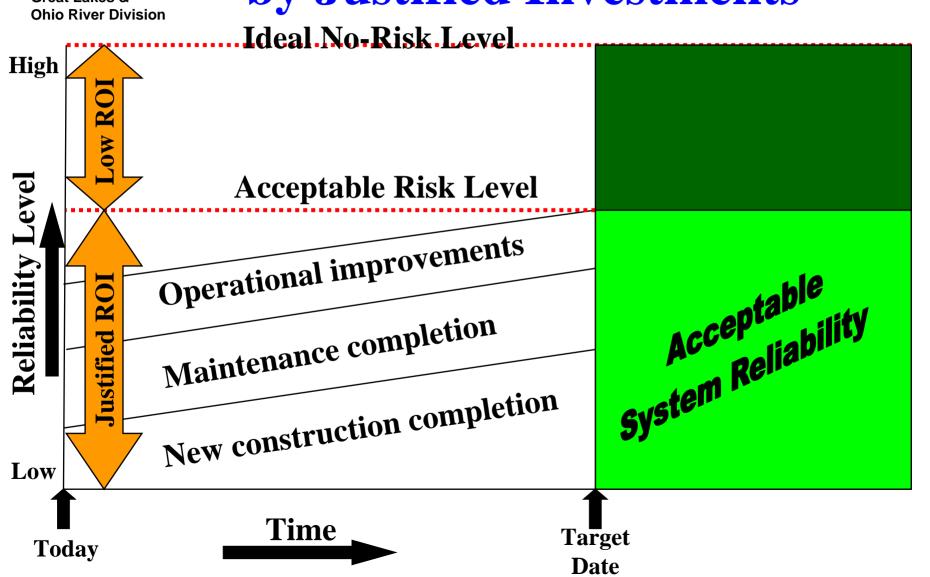
- What should the systems be to support the economy?
- What is the vision for regional operational efficiency?
- Use global vision to formulate regional goals
- Visualize strength of inter-regional partnerships
- Visualize true value of what systems contribute







Achieve Reliability by Justified Investments







Ideal Metrics for Justified Investments

Waterborne Transportation Valuation

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Risk Assessment

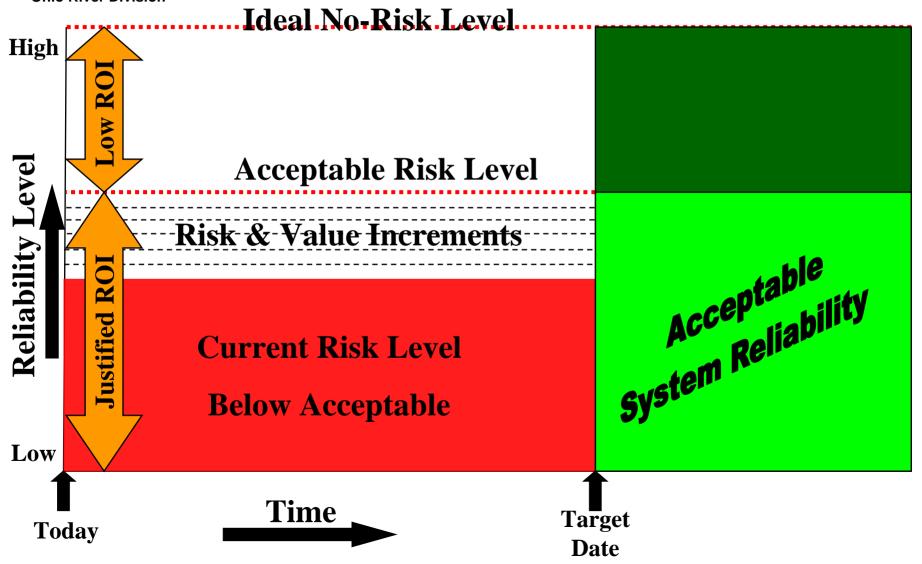


- Compile rationale to optimize major navigation systems
- Develop budgetary recommendations for 10-year outlook
- For LRD:
 - Ohio River & Tributaries Navigation System
 - Great Lakes Navigation System
- Develop collaboratively with regional Navigation stakeholders
 - gaining their perspectives
 - focus on maintaining the integrity of Navigation system
 - utilize risk assessment and valuation methodology



US Army Corps Reaching Acceptable Risk Levels

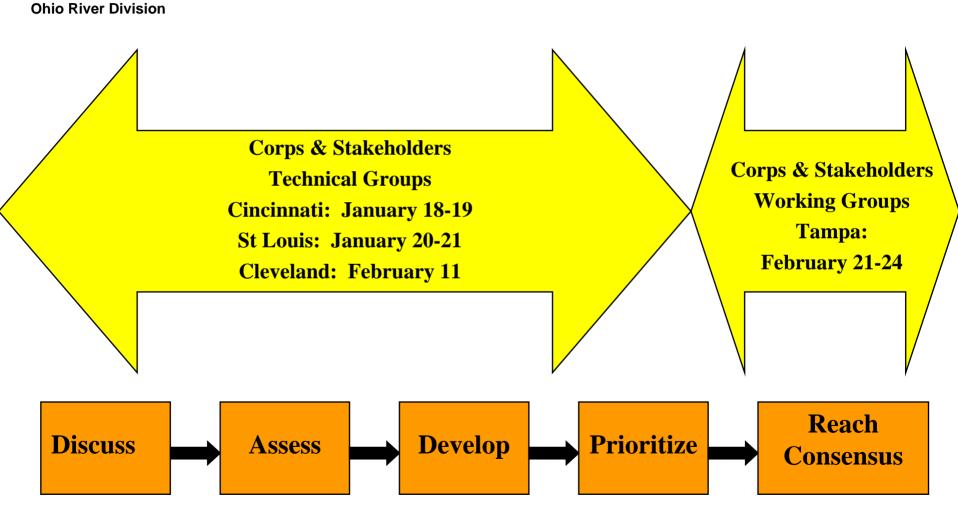
of Engineers **Great Lakes & Ohio River Division**







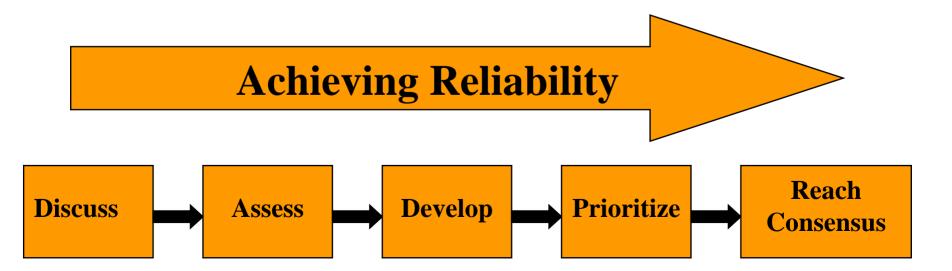
Regional Risk Workshops





Risk Reduction Review Results

- All projects assessed
- Considered likelihood & value of failures
- Created process to drive investments ranking
- Created component maintenance programs

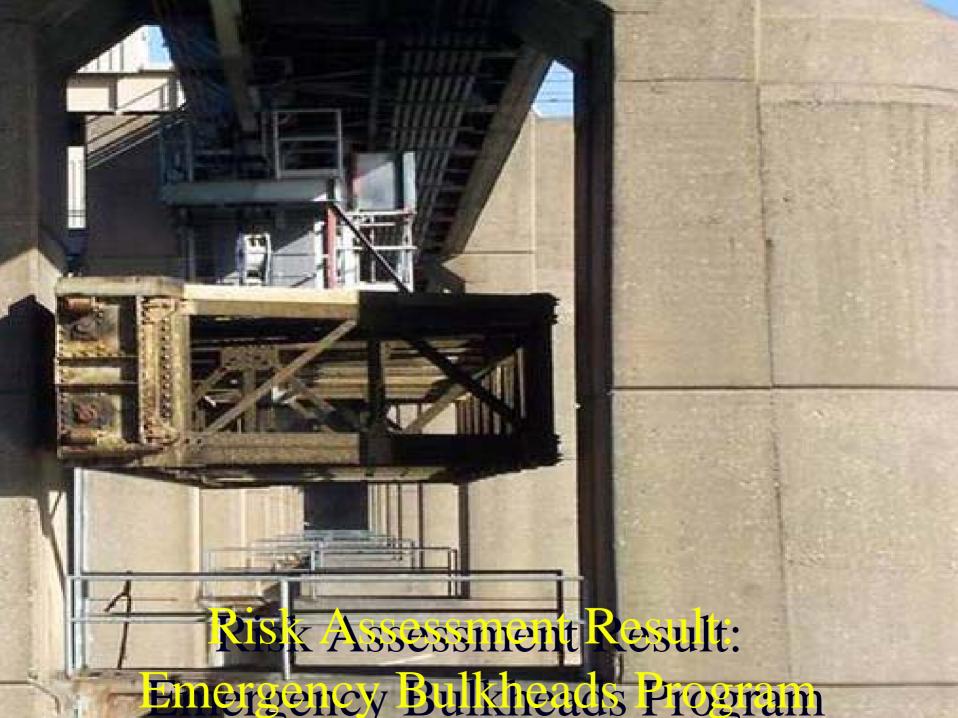


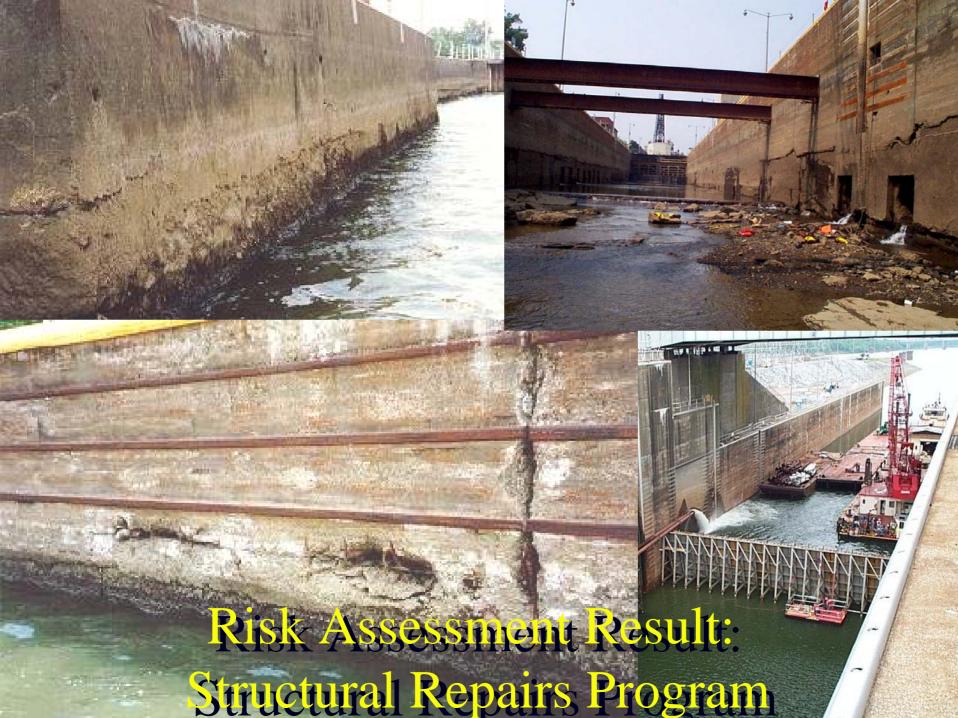


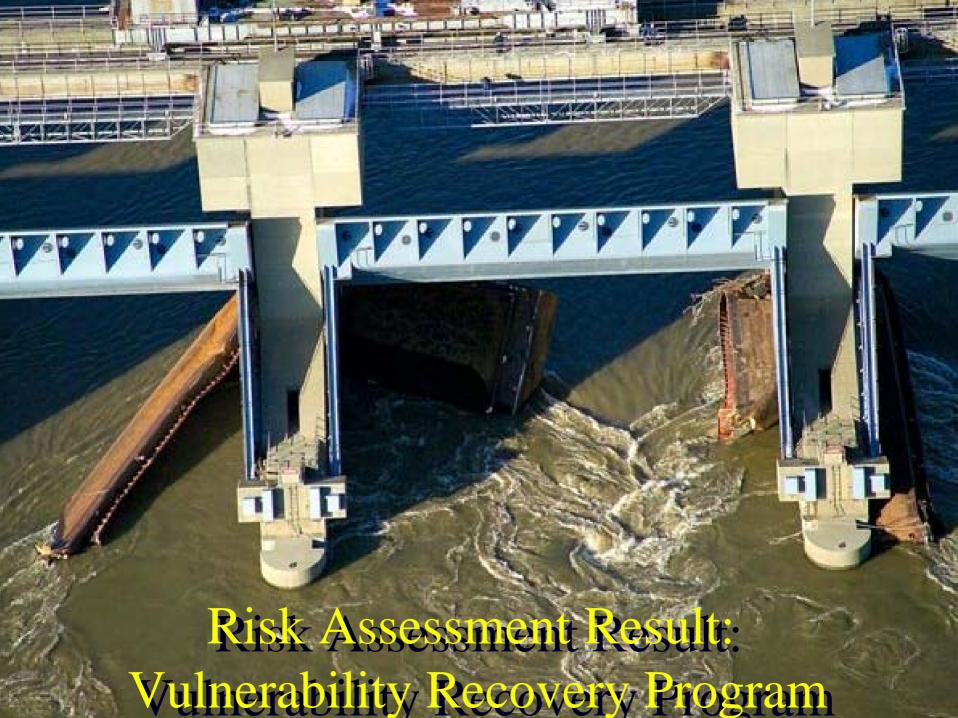














The Journey

- Apply performance metrics on a project-site level
- Support budgeting for risk assessment & valuation metrics
- Implement uniform USACE-wide risk-value-cost based budgetary process



The Journey

- Consolidate major Navigation systems O&M to facilitate system management
- Extend regional collaboration model USACE-wide
- Create long-term Navigation System management plans which define steps to achieve Acceptable Levels of Risk

