Fargo-Moorhead Metro-Area Flood Diversion Project

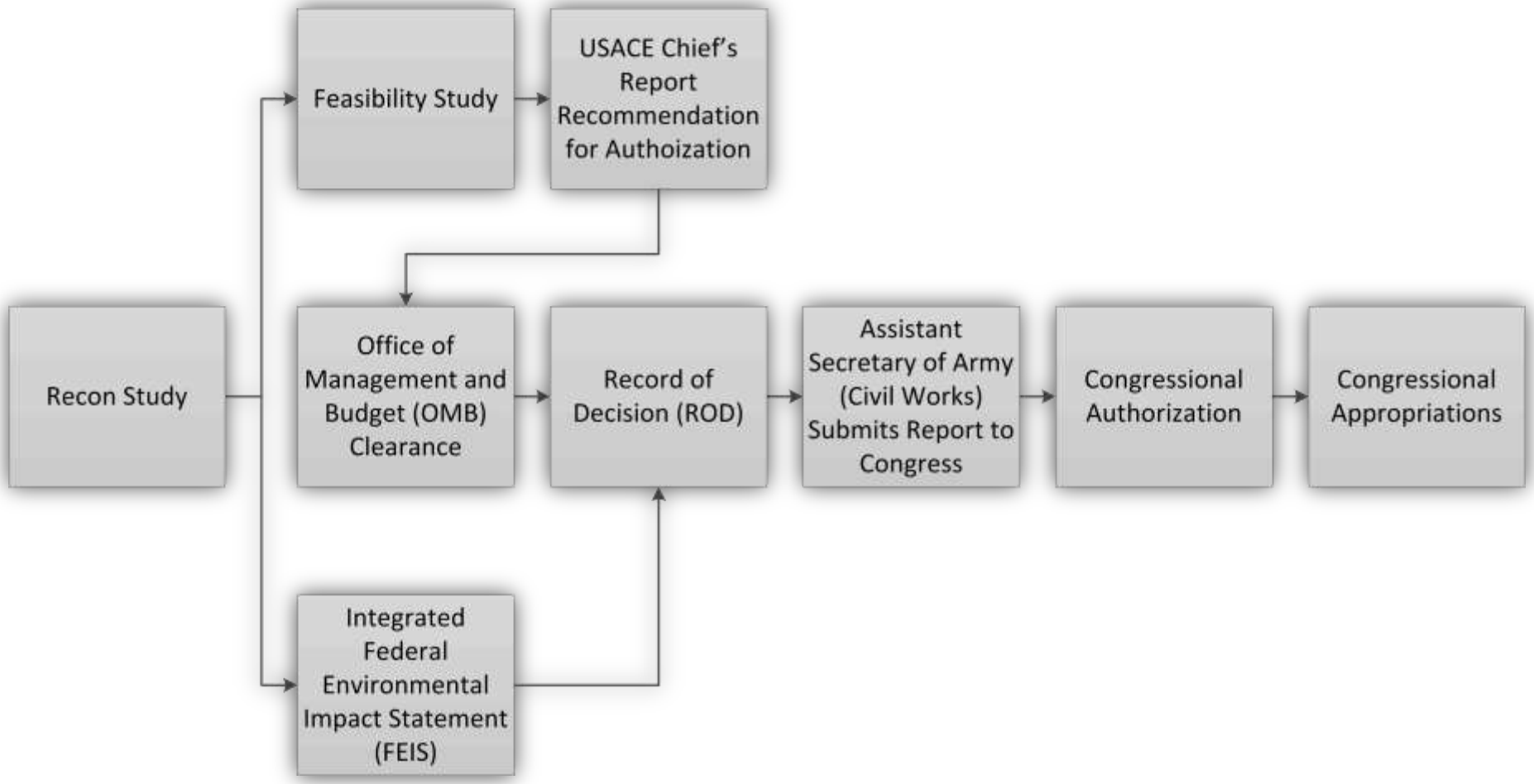
FEDERAL PROCESS & POST-FEASIBILITY ANALYSIS

Presentation to

ND Water Education Foundation

July 13, 2012

USACE Project Process



Record Of Decision (ROD)- What it Signifies

Record of Decision(ROD):

- **Finding that the "project is technically feasible, economically justified, in accordance with environmental statutes"**
- **Project serves the public interest and outweighs adverse effects**
- **Completes the National Environmental Policy Act (NEPA) process**

….Signed by Assistant Secretary of the Army for Civil Works

FM Diversion Project
Moved Rapidly Through the Federal Process

President's Budget started design in 2011 & 2012. Funding for design expected to continue until design complete

- **July, 2011: Feasibility Report and Fed EIS Completed**
- **Dec, 2011: USACE Chief's Report signed**
- **Mar 28, 2012: Office of Management & Budget clearance**
- **Apr 3, 2012: Record of Decision (ROD) signed**
- **April, 2012: Forwarded to Congress for Congressional authorization for construction**

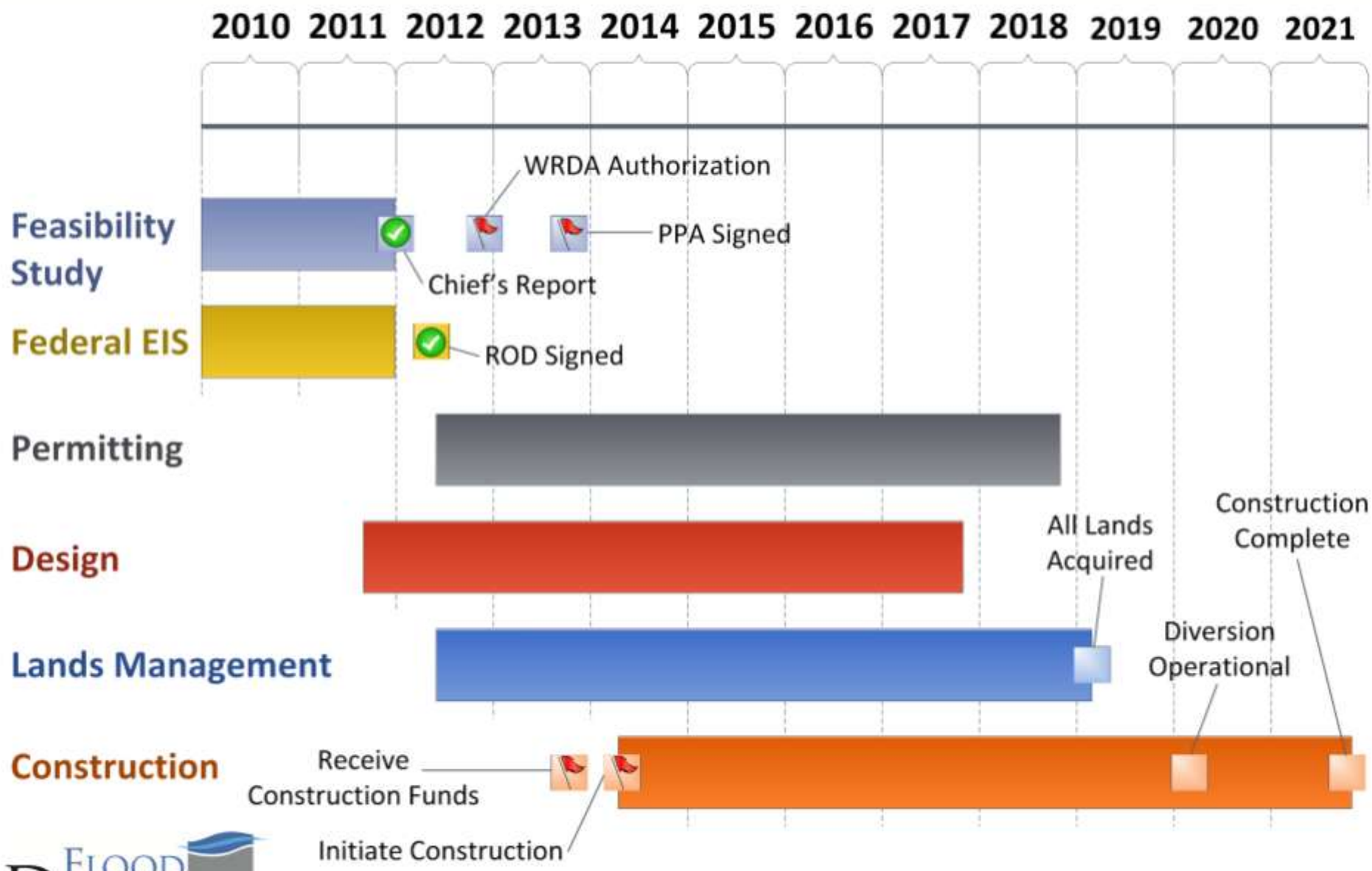
FLOOD DIVERSION AUTHORITY

FM Diversion Project
Setting the Standard for Federal Projects!

CORPS AND FEDERAL LEADERS CITE FM DIVERSION AS THE MODEL

- High velocity USACE Feasibility Study and rapid approval in the federal process
- Excellent Corps/Local Project Sponsor partnership, collaboration with State/Federal agencies, and local engineering capabilities
- Recognized by federal leaders as highly needed flood risk reduction project with Regional and National benefits
- Second highest funded project for design in President's FY-13 Budget
- Garnered 20% of President's FY-13 Design Budget

FM Diversion Project Schedule, Federal Process



FLOOD DIVERSION AUTHORITY

Assumes project authorization by December 2012 and full design and construction annual funding.

Mega Project – Mega Activities!

Authority/Sponsor

- Board Members
- Finance Committee
- Outreach Committee
- Land Management Committee
- Administrative/Advisory Staff
- Technical Advisory Staff

U.S. Army Corps (USACE)

- Five Corps Districts & dozens of staff
- Multiple Designs Underway

Local Consultants

- Multiple Local Engineering Firms Providing Design & Lands Support

Program Management Consultant (PMC)

- Equivalent of 14 Full Time Employees assisting in managing the Program

Post- Feasibility Analysis: In Response to Public Input

Post-Feasibility Analysis

After Feasibility Study and ROD, the Diversion Authority/Local Sponsors will conduct evaluations of potential modifications to the project, some of these modifications are outside of the Corps process.

Purpose- Continue to improve overall project value with goals to improve reliability, reduce impacts, and reduce costs.

Post-Feasibility Analysis: Path Forward

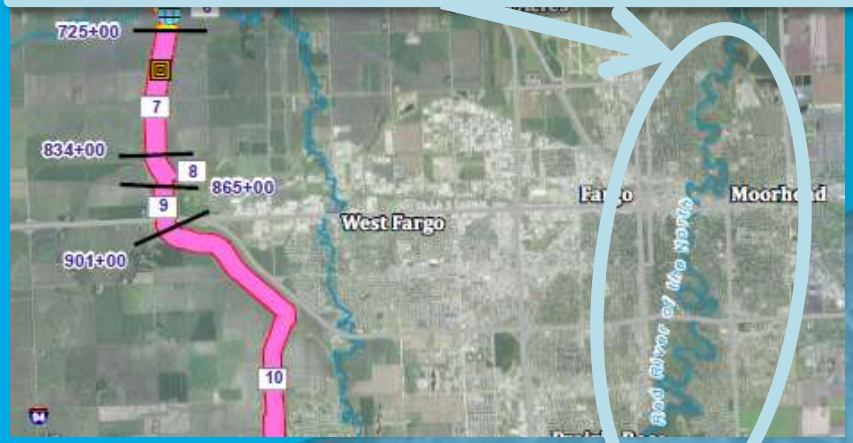
Corps and Local Sponsor, Local Engineering Firms Joint Efforts and Goals

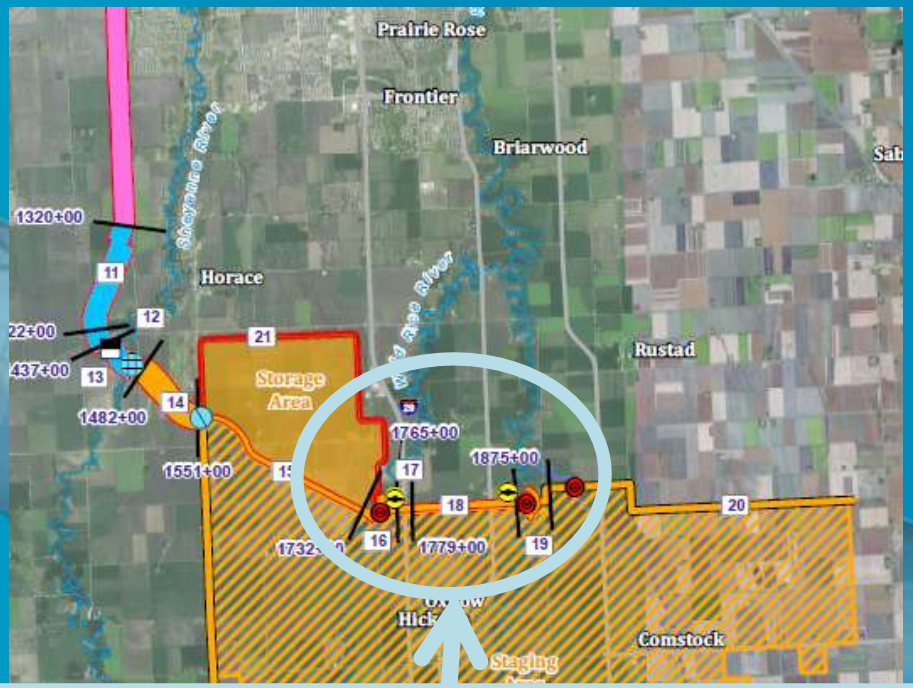
- **Increased flows through town**
- **VE 13, move inlet slightly north**
- **Evaluate levees and dikes for affected communities (Comstock and Christine)**
- **Evaluate inlet gates on Diversion Channel**
- **Continue to improve overall project value with goals to improve reliability, reduce impacts, and reduce costs.**

Flows Through Town, VE 13 Evaluations

Increased Flows thru Town (Authority/Sponsor Lead)

- Provides early flood protection benefits prior to project completion
- Reduces frequency of need to operate the diversion channel
- Reduces duration of water in staging/storage area
- Ability to handle historic summer peak events avoiding crop damage





Red River Channel Inlet (VE 13) (Authority/Sponsor Lead)

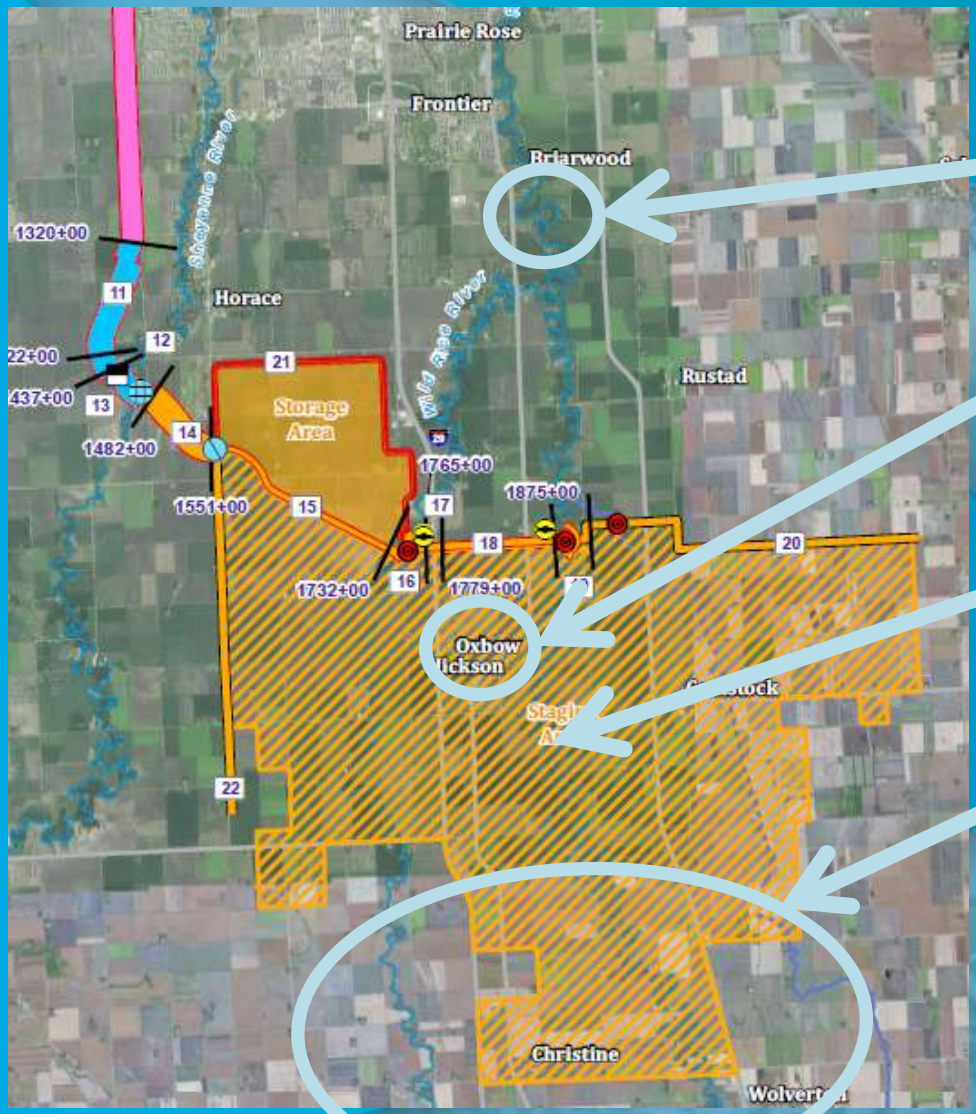
- Evaluating opportunity to move the diversion channel inlet alignment north
- Potentially eliminate Wolverton Creek structure and identify cost savings

Post-Feasibility Analysis: Path Forward

Diversion Authority-only Efforts and Goals

- Conduct Preliminary Post-Feasibility Analysis by October 2012
  - Move Diversion inlet south of Oxbow
  - Move Diversion inlet north of confluence of Red and Wild Rice Rivers
  - Evaluate upstream retention
  - Evaluate levees/ring dikes for Oxbow area

Post-Feasibility Analysis: Path Forward



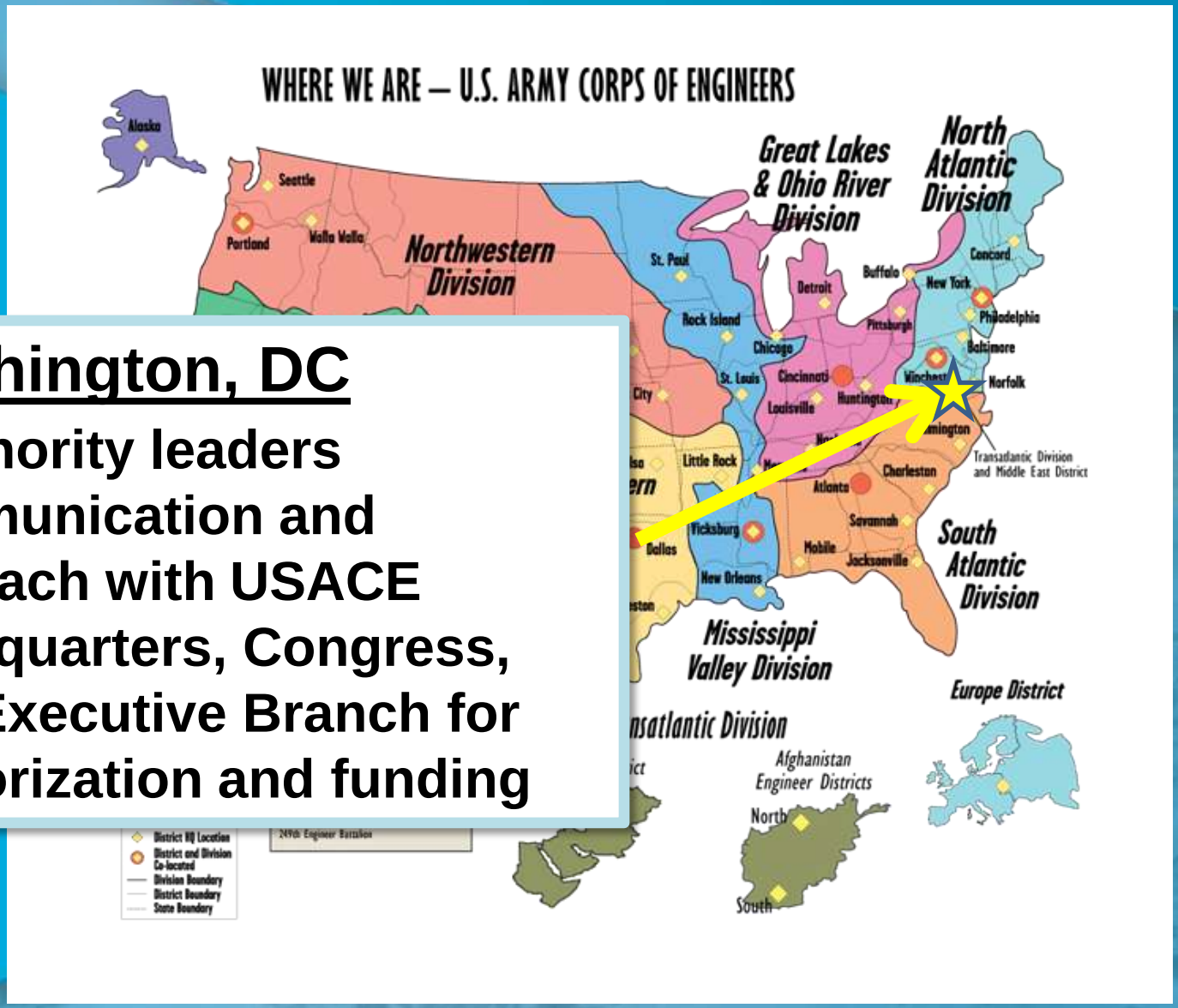
Move Diversion inlet north of Wild Rice River

Protect Oxbow area with levees/ring dike

Move Diversion inlet south of Oxbow

Evaluate upstream retention

National Communication and Outreach



Washington, DC

- Authority leaders communication and outreach with USACE Headquarters, Congress, and Executive Branch for authorization and funding