

## Flood Prevention District

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US Army Corps of Engineers  
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## Agenda

- USACE Partnership and Support
  
- 408 Permission
  - ▶ Authority
  - ▶ Requirements
  - ▶ Challenges
  - ▶ Next Steps



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## USACE Partnership & Support

Projects	Authorized for Construction	Authorized for Reconstruction
Prairie Du Pont Levee and Pump Stations	1936	Recon Completed 2004 Authorized 2007 Feasibility Report Required
Metro East Sanitary District	1936	1988
Wood River Levee and Pump Stations	1938	2007
Chain of Rocks Levee	1945	1999
Fish Lake Levee	1954	Recon Completed 2004 Authorized 2007 Feasibility Report Required
East St. Louis Interior Flood Control Blue Waters Ditch & Pump Station Ecosystem Restoration	1965 1976 2007	
Wood River Grassy Lake Pump Station	2004	

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## USACE Partnership & Support

Drainage & Levee District	USACE Funding for Metro East Flood Protection FY 2000 to Present
Prairie Du Pont/Fish Lake	\$ 1.5 Million
Metro East Sanitary District	\$13 Million (\$40 Million since 1990)
Chain of Rocks	\$45 Million
Wood River	\$34 Million
Total	\$94.5 Million



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## USACE Partnership & Support

- **PL 84-99**
  - ✓ Annual Levee Inspections
  - ✓ Periodic Inspections Every 5 Years
  - ✓ Repair Flood Damage at 100% Federal Expense
  
- **Flood Fighting Assistance**
  - ✓ 41/73 years since 1938 the Mississippi River has have had elevations above flood stage on the St. Louis Gage.



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## 408 Permission

- United States Code
  - ▶ Title 33: Navigation and Navigable Waters
  - ▶ Chapter 9, Subchapter 1, Section 408
  
- *(Condensed)* It shall not be lawful for any person or person to build upon, alter, deface, destroy, move, injure, obstruct or in any manner whatever impair the usefulness of any levee or other work built by the United States
  
- . . . That the Secretary may, on the recommendation of the Chief of Engineers, grant permission for the alteration or permanent occupation or use of any of the aforementioned public works when in the judgment of the Secretary such occupation or use will not be injurious to the public interest and will not impair the usefulness of such work



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## 408 Permission Authority

- Operation and Maintenance Under Agreements with USACE.

*No Additional Authority Required*

- Alterations that restore or improve the protection and do not change the structural geometry or hydraulic capacity.

*Authorized by the District Engineer*

- All other Alterations and Work In Kind Credit

*Authorized by the USACE Director of Civil Works*

- *Unsure – Engineering analysis to determine the impact of the alterations on the systems performance.*



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## 408 Permission Requirements

- Request Letter
- Agency Technical Review
- Real Estate Analysis
- Environmental Analysis and Environment Assessment
- Policy and Legal Compliance
- Risk Analysis
- Safety Assurance Review
- Division Review
- HQ Review



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## 408 Permission Challenges

- **Maintaining the Schedule with Required Reviews**
  - ▶ Aggressive but achievable schedule is 120 days from receipt of 100% design to Director's 408 Permission
  - ▶ SAR must be well coordinated throughout the project
  
- **Additional Costs for Preparation and SAR**
  - ▶ USACE has completed many of the requirements while developing the Limited Re-Evaluation Reports
  - ▶ USACE will closely coordinate with the FPD Contractors (AMEC)
  - ▶ Exploring using USACE SAR as an umbrella for the required SAR



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## 408 Permission Next Steps

- Perform the Technical Review to Determine Authority Level Required
- Determine if the authority level can vary for each phase of work or if a single 408 permission is required
- Coordinate with the FPD and AMEC to incorporate the 408 permission into the schedule
- Coordinate with the FPD and AMEC to prepare the required documents
- Determine SAR requirements



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