

Groveland Avenue Levee Flood Risk Management Project

Project Summary

10 September 2015



US Army Corps of Engineers
BUILDING STRONG®



Overview

- Background
- Project Summary
- Project Implementation
- Next Steps

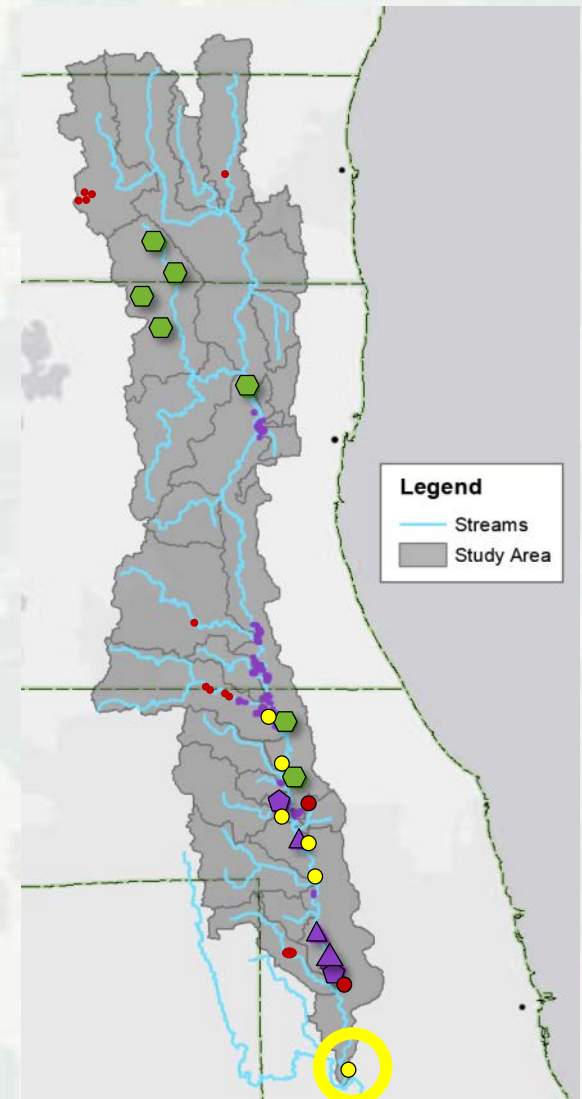


Background

Upper Des Plaines River and Tributaries, Illinois and Wisconsin

Feasibility Study Recommendations

Purpose	Recommended Projects
NED	▲ 3 Levees/Floodwalls
	⬠ 2 Reservoirs
	■ 377 Non-structural measures
NER	⬡ 7 Ecosystem Restoration Projects
CAP 205	● 1 Levee/Floodwall
CAP 206	● 5 Low-head Dam Removals
Non-Policy Compliant	1 Road-raise bridge modification
	● 1 Pump Station
	~100 Non-structural measures



Preliminary Site Plan



- Add 2 feet to crest elevation with sheetpile wall along Groveland Ave
- Raise Park Lane and Lincoln Avenue
- Tie-in to high ground at 618 ft NAVD 88
- Tie-backs
 - ▶ Woodside Road (North)
 - ▶ BNSF Railroad (South)



Project Benefits

- Average Annual Flood Damages Reduced: \$441,000
- Average Annual Cost: \$264,000
- Net Benefits: \$177,000
- Benefit-to-cost Ratio: 1.7
- Provides benefits at approximately 50 structures



April 19, 2013

(October 2014 Price Level, Federal Discount Rate 3.375%)



Non-Federal Responsibilities

- Contribute 35% of total project costs (minimum 5% cash)
- Provide all lands, easements, rights-of-way, relocations, and disposal areas
- Operate, maintain, repair, replace, and rehabilitate completed project



Implementation Cost Estimate (\$1,000)

Item	Federal Cost	Non-Federal Cost	Total Cost
Planning, Engineering, and Design	\$408	\$220	\$628
Construction Management	\$185	\$100	\$285
LERRD	\$0	\$1,452	\$1,452
Flood Risk Management Features	\$3,258	\$302	\$3,560
Subtotal	\$3,258	\$1,754	\$5,012
FRM Subtotal	\$3,851	\$2,074	\$5,925



(October 2014 Price Level)



Next Steps

- Identify Non-Federal Sponsor(s)
- Identify work-in-kind activities (WIK)
- Establish a design coordination team
- Draft Project Partnership Agreement (PPA)
- Execute PPA (September 30, 2015)

