

# Update: City of Oslo Flood Control System Upgrades

February 23, 2015: The City of Oslo's successful flood protection project is coming to a conclusion. Construction-related tasks that remain are expected to be completed by mid-2015. Draft FEMA accreditation and USACE construction documentation report submittals are currently being reviewed by these agencies. Levee accreditation is expected by the end of this year.

## Background

In 2010, the City of Oslo conducted several studies to satisfy FEMA's requirement for engineering documentation demonstrating that the levee system and associated structures met the conditions of the Code of Federal Regulations, Title 44, Section 65.10. These studies and an inspection conducted by the US Army Corps of Engineers (USACE) identified deficiencies in the levee. Ultimately, the levee system received an unacceptable rating from the USACE.

## Project upgrades nearing completion

Since July 2012, the City of Oslo has been working diligently to correct deficiencies and complete upgrades to their levee system. The table at right itemizes the repairs necessary to meet federal requirements. Most of these repairs have been made; expected completion dates for the remaining tasks are indicated in the table.



Completed substation flood wall as part of Oslo's flood control system

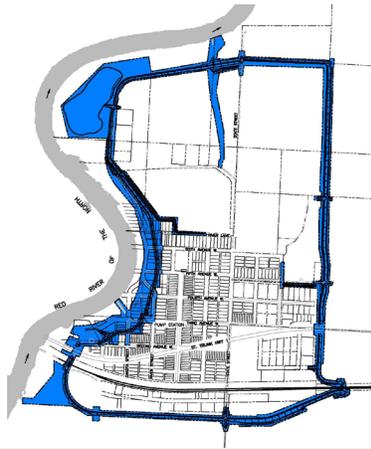
City of Oslo flood protection system: status at a glance	
Major Tasks	Status
Pump station generator	Complete
Railroad closure structure	Complete
Pump station and substation floodwalls	Complete
Levee raise and realignment	Complete
Gatewell D pump station installation	Complete
Wetland mitigation site	Complete
Municipal utility reconstruction	Complete
Ground storage reservoir mixing/disinfection modifications	Spring 2015
Upgrading watermain crossing under levee	Spring 2015
Municipal concrete street repairs	Spring 2015
Slope modifications and ditch restoration	Spring 2015
Anticipated project construction completion	Summer 2015
Levee system accreditation (pending FEMA review)	Fall 2015

*Continued on reverse: project construction and cost*

# Project Construction and Cost

## Project area and cost

The drawing at right shows the project construction area. All phases of the project are expected to be completed by summer 2015. FEMA accreditation of the levee system and associated structures is expected by the end of the year. The total estimated cost of the project is \$15,300,000. The City of Oslo needs \$560,000 in 2015 to meet those costs.



*Pump station floodwall and generator*



*Railroad closure structure*



*Relocated levee setback area*



*Gatewell D and new pump station*



*Gatewell B outlet*



*Wetland mitigation site*