

Eighth International Conference on Flood Management (ICFM8):

“Lowering Risk by Increasing Resilience”

The University of Iowa, Iowa City, Iowa, USA

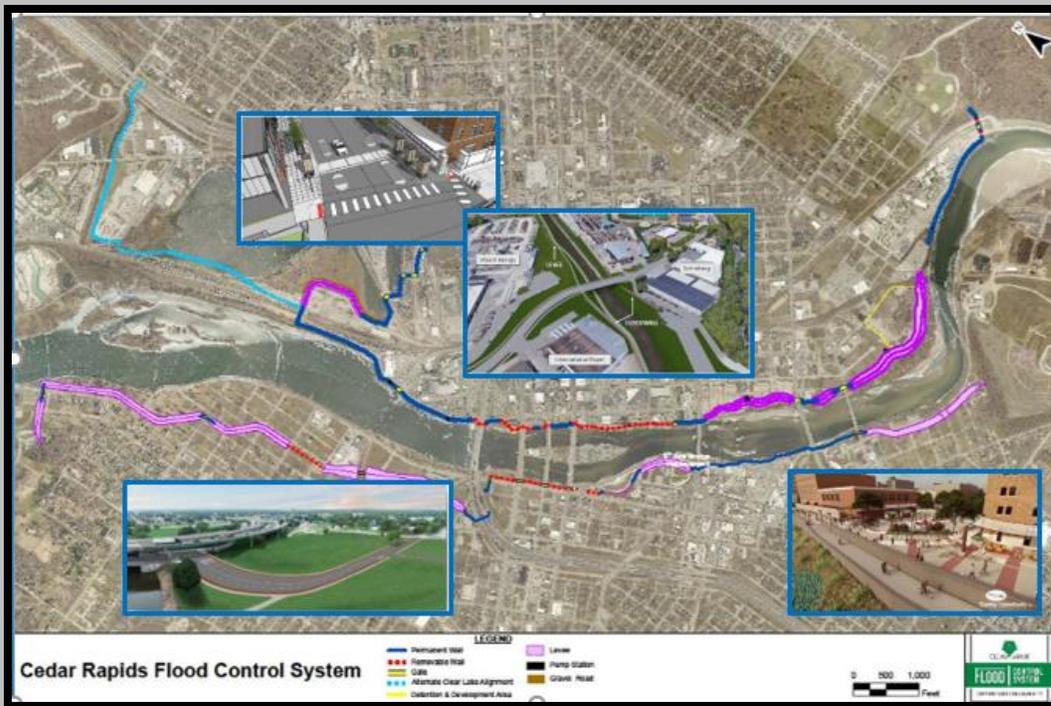


CONFERENCE TECHNICAL TOURS

8:00 am to 1:00 pm, August 12, 2020

Tour 1: Cedar Rapids Flood Control System –Hosts: City of Cedar Rapids & USACE Rock Island District

Following the severe flooding experienced by Iowa in 2008, the City of Cedar Rapids suffered several billion dollars of flood damage and economic loss. One of the major follow up projects after this last flood is the construction of the “Flood Control System”, expected to be a \$750 million, 20-year investment. The project was initiated in 2015 and is designed to convey the same water volume as the flood of 2008 through a combination of floodwalls, levees and gates, while incorporating aesthetic elements that reflect the Cedar Rapid community’s culture, history and vision.



Join us for a tour of some of the most heavily impacted by flood areas in Cedar Rapids. Local leaders will explain how their communities were impacted, discuss the master plan for the new project and tour the conference participants to the finalized and on-going project construction sites.

Tour 2: Iowa Watershed Approach Tour – Host IIHR/IFC/IWA senior project investigators

The Iowa Flood Center (IFC) led the successful proposal development for the Iowa Watershed Approach for Urban and Rural Resilience (IWA) that brought \$96,887,177 to the state of Iowa from the U.S. Department of Housing and Urban Development. The IWA is working in nine watersheds across the state to help reduce flood impacts, improve water quality, and increase community flood resilience. The program represents a vision for Iowa’s future that voluntarily engages urban and rural stakeholders throughout the watershed toward achieving common goals. The IWA is a dual program that focuses on: 1) activities in the upper watersheds and 2) community flood resilience programming. The IWA's project outcomes will improve flood resilience during major storm events by strategically placing flood mitigation projects in the upper watershed to increase storage and water retention. This state-of-the-art adaptive model for flood mitigation will make Iowa’s vulnerable populations more resilient to changing flood hazard conditions, today and for the next century.

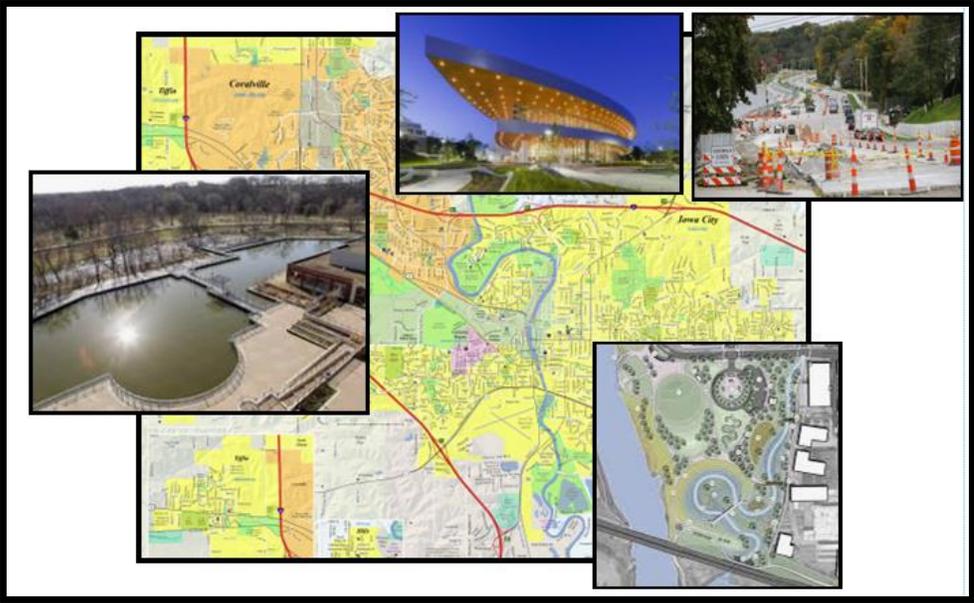


The Iowa Watersheds Project served as a pilot project to learn more about how constructed improvements in a watershed can improve flood conditions downstream.

A team of key leaders of the IWA project will introduce participants for the IWA project goals highlighting the innovative tools and resources developed to carry out program goals. The field visits will feature several implementation sites in Eastern Iowa.

Tour 3: Iowa City - Coralville Flood Mitigation Projects – Hosts: University and City representative

The eastern part of Iowa was dramatically affected by the late flood of 2008. Among the most devastated areas are the Iowa City and the city of Coralville, the third major city cluster in the State of Iowa. The University of Iowa Campus, the host of the ICFM8 Conference, has stricken by \$750 million in flood damage, with \$36 million in equipment lost in one building alone. Twenty-two major buildings were damaged, some of them irreparably; a quarter of the school’s classroom space was lost, and one-sixth of the university’s space was closed. Since 2008, the City of **Iowa City** has spent almost \$138 million in flood mitigation projects. These projects include the Dubuque Street protection project, relocation of the city sewer plant, developing of flood relief areas along the Iowa River banks. The city of **Coralville** has also made significant improvements and investments to protect low-lying areas from floodwaters on several streets along the Iowa River. **The University of Iowa** has replaced structures that had been totally destroyed (including Hancher Auditorium and the Museum of Art), protected important buildings with temporary barriers (that can be put in place in a matter of days) and rebuilt the Iowa River water front with elevated walls that protect campus buildings and offer the campus community commanding views of the waterway.



Join us for a tour of some of the most heavily impacted by flood areas in Iowa City and Coralville cities and on University of Iowa campus. University and Local leaders will explain how their communities were impacted, discuss the flood master mitigation plan and tour the conference participants to the finalized and on-going project construction sites.