

From Idea to Implementation
“A Critical Infrastructure Hazard Mitigation Success Story”

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Note:

The abstract below got accepted by the ASFPM 2012 Conference Committee and it's scheduled to be presented during the concurrent **Session H4 (4:00-5:00)** on Thursday May 24th, 2012 in San Antonio, TX

Michael Baker Jr., Inc. recently completed a flood risk assessment and mitigation project for the Charleston Area Medical Center's Memorial Hospital. The project was funded by the West Virginia Division of Homeland Security and Emergency Management through a Pre-Disaster Mitigation Competitive (PDM-C) grant; the City of Charleston, West Virginia, administered the work.

After a brief introduction to the potential flooding risk for this regionally very significant critical infrastructure facility, this joint presentation will provide an overview of the project from the flood risk assessment stage to the flood risk mitigation phase. This will provide insights into the lifecycle of a flood mitigation project and technical details on the engineering approach for the risk assessment. A glimpse of the hydrologic and hydraulic modeling for this project will also be offered.

The flood risk mitigation work on this project was funded through the successful approval of a PDM-C grant application. Details of this funding process will be shared during the presentation.