Cedar Rapids Flood Mitigation
East Side- Stanley Consultants Team
Project Update 16 February 2015

Major Task	Last Month's Progress	Next Month's Plans
01 Program Management	• Prepared Basic database tables • Pored through 10,000 USACE files to acquire understanding of current design • Coordination with West Side Team to keep project unified	• Populate data tables • Develop report formats • Begin using database to track schedule and costs
02 Grant Management	• Research USACE Cost Estimates • Begin Investigation of Private Public Partnership as described in WRRDA 2014. The only Flood Risk Management program with a PPP pilot is Fargo-Moorhead , under study by St. Paul District.	• Meet with Adam Lindenlaub and revisit finance department. • Meet with St Paul District USACE and Fargo-Moorhead about their PPP Pilot program.
03 Community Outreach	• Open House Event January 19 • Continued meeting with Stakeholders: o US Courthouse o Stickles o CR Metro Economic Alliance o CR Mainstreet o Alliant Energy o African American Museum o Bridgehaven o International Paper o Cargill – South Plant o Solum Lang Architects o Oakhill Jackson Neighborhood o Southside Investment Board o City Water Utilities o Friends of Cedar Lake • Small Group Meetings with Council	• Continue Stakeholder Meetings: o Cargill – North Plant o PepsiCo • Prepare for March 31 Open House, including staff and Council Briefings
04 Coordination with other agencies	• Biweekly meetings with USACE • Discussions with DNR over Cedar Lake inclusion in Lake Restoration Program • Research into State Historical Preservation Office (SHPO) requirement for removable floodwall behind City Hall	Continue discussions
05 Acquisitions	Identification of property owners on the east side of Cedar Lake	Determine requirements for first design reach, and examine impacts of acquisition upon concept phases.

06 Conceptual Design	• Preparing Recommended Plan for City approval • Coordination with West Side Team over Aesthetic Guidelines, including themes that should cross the river, such as at Czech Village and New Bohemia.	• Complete and submit Recommended Plan. • Present plan at March 31 Open House • Continue to develop coordinated aesthetic guidelines
07 Preliminary Design	• Continuing research on USACE development of current design	Establish team to carry recommended plan forward.
08a Final Design of one reach	Discussion of which reach to develop to final design is part of every stakeholder meeting.	Continue to provide City information they need to determine first reach to take to final design and construction.

Additional Information:
Removable Floodwall: The length of removable floodwall on the East Side was in large part determined by a risk analysis of the quantity that could be safely installed by City forces within a 48-hour window. City staff and stakeholders are not satisfied with the amount in the Corps design, and the Corps study did not consider how the West Side removable floodwall would be installed.

The East Side Team has re-opened the Corps study and has recommendations for using an alternative design, and contractor forces, to expand upon the amount that can be safely installed. We continue to prepare that recommendation for review with the Corps and to work with the West Side Team on a common plan.

As part of this plan we have been in contact with Contractors to discuss their interest in holding such a contract for installing the wall in the event of a flood and practicing the installation annually.

Cedar Lake Alternative Alignment: In response to comments from City Councilmembers, the East Side Team has developed a concept for extending the flood barrier to the upstream side of Cedar Lake. A large water main that runs from the water plant to serve the downtown area adds cost and complexity to the concept.

Private Public Partnership: We have begun discussions with the Corps of Engineers for getting parts of this project built more quickly by private investment. We hope to find a way to get the larger industrial clients enrolled in the USACE pilot program, but the Corps is still figuring this mechanism out for flood risk management projects.

Local Construction Contractors: We have polled a large number of local contractors to determine a preferred size for a flood control project. Most would feel comfortable in the $5 Million range, many would consider $10 and even more. As you get the larger projects, however, you also get more interest from the very large national firms.

Cost: As we develop alternative alignments and types of barriers it is important to know what we are doing with respect to the budget. We are re-examining the Corps

construction cost estimate that was developed for the 35% design. The unit cost per foot of feature should be an improvement over the preliminary cost estimates that were used in the feasibility study and GRI application.

African American Museum: We have developed a concept for a permanent floodwall to allow the museum to stay in place. This sounds like the preferred plan of the museum board but they are also open to considering the alternative of moving the museum to make room for a levee. Our current recommendation is to construct the floodwall, and to integrate the aesthetic theme of that section of the wall with the museum, and to also provide a handicap accessible trail over the levee from the river trail to the museum.