Purpose of Flood Control System Committee:
To enable the City Council to discuss and evaluate in greater detail these specific issues that directly impacts the flood control system for the City of Cedar Rapids.

City Council Committee Members:
Council member, Ralph Russell
Council member, Justin Shields
Council member, Kris Gulick
- Mayor Ron Corbett is an ex-officio member of all Council Committees per City Charter Section 2.06.

Agenda:

1. Approval of Meeting Minutes (July 2017)

2. Informational Items:
   1. Financial Report (5 Mins)
   2. Grant Report (5 Mins)
   3. Quaker Oats Aesthetics (5 Mins)
   4. Northwest Memorial Schedule (5 Mins)
   5. 8th Avenue Bridge Replacement (5 Mins)
      
Rob Davis, Public Works
Rob Davis, Public Works
Bill Bogert, Anderson-Bogert
Rob Davis, Public Works
Rob Davis, Public Works

3. Presentations:
   1. Amphitheater Restroom and Storage Facility (5 Mins)
   2. FCS – Option to Extend North Industrial Protection to Shaver Road NE (10 Mins)

Rob Davis, Public Works
Bill Bogert, Anderson-Bogert

4. Recommendation Items:
   1. Modification of FCS Master Plan at Czech & Slovak Museum (10 Mins)
   2. Application for FEMA Pre-Disaster Mitigation funding (5 Mins)

Jim Halverson, HR Green
Rob Davis, Public Works

5. Public Comment

Any discussion, feedback, or recommendation by Committee member(s) should not be construed or understood to be an action or decision by or for the Cedar Rapids City Council. Further, any recommendation(s) the Committee may make to the City Council is based on information possessed by the Committee at that point in time.

Anyone who requires an auxiliary aid or service for effective communication, or a modification of policies or procedures to participate in a City program, service, or activity, should contact the City Manager’s Office at (319) 286-5080 or email a.wing@cedar-rapids.org as soon as possible but no later than 48 hours before the event.
City of Cedar Rapids
Flood Control System Committee
Council Chambers – City Hall
Thursday, July 27, 2017
10:30 am – 11:30 am

Present: Council members: Ralph Russell (Chair), Justin Shields, Kris Gulick

City Staff: Sandi Fowler (Asst City Manager), Rob Davis (Flood Control Program Manager), Steve Hershner (Utilities Director), Nate Kampman (City Engineer), Jen Winter (Public Works Director), and Jennifer Pratt (Community Development Director)

Media: Dave Franzman (KCRG)

Meeting called to order at 10:30 am by Council member Russell.

Committee unanimously approved the April 2017 meeting minutes with no comments added.

Rob Davis shared the June Financial Report. The Financial reports showed that the economy in Cedar Rapids is doing well, as evidenced by the GRI receipts. During the 1st and 2nd quarters of FY17, the City’s generated GRI level to 60% of the FY17 limit for all four quarters. The growth in the GRI is exceeding the anticipated growth and the outlook is positive for the City reaching the maximum limit when the State reports the subsequent FY 17 quarters. On the expense side, the FCS program will close out FY17 around $30 million, which is a significant milestone relative to previous years of all of Public Works Department expenses.

Rob Davis presented the Grant Log that gives an overview of all grants that have been applied for since 2015 until present. Most recently, on July 7, 2017, the FCS staff concluded 10 month application process and the City was awarded a $1.73 million US EDA grant for the Quaker Oats water transmission relocation project. Total competitive grants received since 2015 are approximately $8.2 million. Currently, the FCS team is not working on any grant applications.

Rob Davis presented the Quaker Oats floodwall aesthetics. Quaker Oats is interested in a simple, low maintenance wall, which does not interfere with operations. City staff and Quaker had jointly developed a simple aesthetics concept in 2014, prior to the 2016 development of the pallet of FCS Master Plan aesthetics options. These concepts are different. The City and Quaker are gearing up for a 2018 wall construction initiation, and Council feedback on the difference was solicited. Council Member Gulick suggested maybe a brick looking wall like their building would be an appropriate look and the Committee’s consensus was the FCS staff should work with Quaker to make the aesthetics match more closely to the FCS Master Plan aesthetic options.
Jim Halverson (HR Green) presented on the Czech Village West Side protection from 12th Avenue SW to the Landfill. The ongoing Utility Relocations will be complete in fall 2017, and the City will bid in September 2017 a levee section from Bowling Street to the Landfill. The Parks & Rec storage building and the former CR Transmission buildings will be demolished in fall 2017. The levee from 16th Avenue to Bowling Street is scheduled for 2020 construction. In fall 2017, the FCS team will begin design of the floodwall and terraced yard at the National Czech and Slovak Museum for construction sometime after 2020. Councilmember Shields asked if any of the design in the Czech Village area would interfere with the proposed Roundhouse? Jim Halverson stated that they have actually planned for the roundhouse and potential parking. The construction of this portion of the levee should have no effects on current parking in that area.

Rob Davis discussed FCS staff’s initiatives to eliminate movable and removable flood control system components, including a gate on Bowling Street SW by taking the road over the top of the levee rather than through it. Other eliminations include a removable wall at the Czech Museum, and two gates along Riverside Park and the loading dock access for the Czech Museum. Other areas along the system include eliminating 8th Avenue Bridge gates and possibly a road gate on O Avenue NW, with another road over the top of the levee system. These will be reflected in the next update to the FCS Master Plan. Councilmember Russell agreed was a good change and asked how removing gates affected the budget? Rob Davis noted the savings could be $0.5 million per installation, even without the consideration of the long term maintenance of movable parts versus permanent wall and levee. On the other hand, there are likely areas where FCS staff may recommend more expensive gates (e.g. laydown gates at 1st Avenue), versus the stop log gate systems currently in the budget.

Rob Davis shared an update on the 8th Avenue Bridge replacement. The Extradosed Bridge (short tower with cables) was the top pick among Citizens and carries a price tag of approximately $26M, and the second place pick, Arch Bridge was estimated similarly at $27M. The structural engineer’s technical analysis also recommended the Extradosed Bridge. In either of these bridges, the City should consider additional add-on packages for corrosion protection (to help achieve 100 year life span) and aesthetic lighting. In approximately 3 months, the FCS staff hopes to be ready for a design request for qualification (RFQ), but first has to solidify some traffic issues and coordinate with the adjacent pump station. Council Member Shields expressed some concern the Extradosed Bridge may not be visually appealing enough. Rob Davis indicated he would bring additional information to Council on aesthetics at the time a RFQ is recommended.

Rob Davis presented three (3) different departments that will be taking ownership in annual ongoing FCS maintenance: Public Works, Utilities and Parks and Recreation. When the FCS system is complete, routine maintenance for Utility and Parks & Rec is estimated at $536K (in 2017 dollars). Public Works costs will be estimated in upon completion of the US Army Corps “Time and Motion” study in fall 2017. Overall, with inflation, the routine maintenance will be a multi-million annual expense. This does not include major capital improvement upgrades or repairs. With FCS maintainable items coming on line in by end of 2017, City budget should include maintenance funding for FY 2019 budget. The Council Committee Members unanimously agreed that maintenance needs to start being considered and built into future budgets, with Councilmember Shields insisting on FY2019.
Rob Davis shared Phase 4 of the former Sinclair site to Council Committee Members to get a recommendation to move to full Council. Currently, it is a $15.5M investment with three (3) contractors working on site with CDBG funds expiring at the end of this year. This phase of the former Sinclair site shows the potential for more recreational opportunities in the detention basin i.e. Soccer, Frisbee, etc. in addition to roughly 10-acres for redevelopment. Phase 4, though not CDBG funded, still must be completed by May 2018, because it is a supporting part of the CDBG projects, and the State must close out the entire CDBG grant to the feds by end of May 2018. Phase 4 has a cost estimate of $975,000. City Staff and Connect CR are continuing to work together to develop the area for the Sleeping Giant Bridge, and there will be a landscaping bid for fall 2018 installation.

All three (3) Council Committee Members voted to recommend approval of the bid plans and specs for Phase 4 by the full City Council’s resolution on August 8, 2017.

No public comment.

The meeting was adjourned at 11:41am.

Respectfully,

Mandee Beardsley
Administrative Assistant I
Public Works
A summary of projected vs actual GRI revenue received thru September 2017 is shown. Note - the estimated payments from the State have been updated to match actual payments for increment relating to 2014 and 2015. Total estimated growth reinvestment revenue from the State is $267M.

Since April of 2014, $51.1M has been spent on flood control. The majority of the recent expenses relate to design, acquisition costs, Sinclair levee & detention basin construction, and NewBo storm pump station. The following summarizes flood control expenses since April 2014.

<table>
<thead>
<tr>
<th>Project location</th>
<th>Total Expenditures To Date thru September 2017</th>
<th>Current Fiscal Year - 2018</th>
<th>Prior Fiscal Years</th>
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<tbody>
<tr>
<td></td>
<td>GRI Year-To-Date</td>
<td>Bond Year-To-Date</td>
<td>CDBG Year-To-Date</td>
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<tr>
<td>West of Cedar River</td>
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<td>Time Check</td>
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<td>Kingston</td>
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<td>Czech Village/ Penford</td>
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<td>Downtown</td>
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<td>NewBo/Sinclair</td>
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<td>6/4/2015</td>
<td>Iowa Economic Development Authority</td>
<td>CDBG Amendment</td>
<td>North Industrial (Quaker)</td>
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<td>6/30/2015</td>
<td>Iowa Homeland Security</td>
<td>GRI</td>
<td>System Wide</td>
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<td>9/16/2015</td>
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<td>Property Rights Donation/Grant Forgiveness Lot 44 NewBo</td>
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<td>NewBo/Czech Village (8th Ave Bridge)</td>
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<td>Federal Recreation Trails Grant</td>
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<td>1/15/2016</td>
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<td>Downtown Gatewell Structures</td>
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Total Approved: $8,251,140.92
Flood Control System
North Industrial Protection
Extension to Shaver Road NE
City Council Flood Control Committee

October 19, 2017
North Industrial Study Need

- Alignment around Cargill/Quaker has challenges
- Protect property & reduce flowage easements
- FCS Master Plan included vague option to extend upstream
- Reconcile issues
- USACE top priority if funding secured
Base Alignment

LEGEND

- BASE ALIGNMENT
- COMMON ALIGNMENT

CEDAR RAPIDS FLOOD PROTECTION
NORTH INDUSTRIAL REACH

STUDY AREA MAP
Alternative Alignment

LEGEND
- ALTERNATE 2 ALIGNMENT
- COMMON ALIGNMENT

CEDAR RAPIDS FLOOD PROTECTION NORTH INDUSTRIAL REACH

STUDY AREA MAP
North Industrial Progress

- Data Collection
- Hydraulic Study
- Conceptual Design
North Industrial Timeline

2016
- Summer 2016: Workshop to Identify Alternatives

2017
- Winter 2017: Updated Council FCS Committee
- Winter 2017: 2017 Study Activities:
  - Hydraulic Modeling
  - Subsurface Evaluation
  - Environmental in Cedar Lake

2018
- Winter 2018: Stakeholder and Public Involvement
- Spring 2018: Final Report & Presentation To Council FCS Committee
- Summer 2018: Review FCS Master Plan
North Industrial Study – Next Steps

• Public & Stakeholder Input (NEPA)

• Regulatory Agency Coordination (NEPA)
  – United States Army Corps of Engineers
  – Iowa DNR
  – State Historic Preservation Office
Modification of FCS Master Plan at Czech & Slovak Museum

City Council Flood Control Committee

October 19, 2017
Proposed Permanent Wall
Terraced Yard
NCSML and FCS Staff determined terraced yard and permanent floodwall is the most desirable and consistent with the needs of the museum.

Desired direction from the FCS Council Committee: Authorize staff to begin design of revised plan at NCSML and include proposed changes to the next update of the FCS Master Plan.
Individual homeowners, businesses, and private nonprofits may apply for funding through eligible subapplicants:

- Federally-recognized Tribes
- State Agencies
- Private Nonprofits (HMGP only)
- Tribal Agencies
- Local Governments/Communities

Applicants:
- Territories
- Federally-recognized Tribes
- States

FEMA