Present: Committee Council members: Tyler Olson (Chair), Susie Weinacht, and Marty Hoeger

Dale Todd (Council Member), Jeff Pomeranz (City Manager), Sandi Fowler (Deputy City Manager), Rob Davis (Flood Control Program Manager), Steve Hershner (Utilities Director), Jennifer Pratt (Community Development Director), Jen Winter (Public Works Director), Kevin Ciabatti (Building Services Director), Nate Kampman (City Engineer), Emily Breen (Development Services Communications Coordinator), Debbie O’Meara (Administrative Assistant I), Mary Snapp (Stanley Consultants)

Meeting called to order at 11:02 am by Council member Olson.

Committee unanimously approved the July 9, 2018 (Special Joint Meeting with Flood Control Finance Committee) and the September 2018 meeting minutes with no comments added.

Rob Davis presented the Flood Control System Financial Report. Submitted and discussed was a summary of projected versus actual Iowa Flood Mitigation Program revenue received thru August 2018. Actual payments received to date from the State are $36,128,271. The next quarterly payment expected in November 2018. Expenditures billed in July 2018 were for June work and accrued back to FY 2018. The majority of expenditures posted to August include Quaker floodwall construction. Since April of 2014, $65M has been spent on flood control (includes both west of Cedar River and east of Cedar River).

Rob Davis presented the Flood Control System Grant Submission Log. Submitted and discussed was a summary of grants submitted to date, totaling $8,251,140.92. What notably changed was for the Railroad Revolving Loan and Grant—Targeted Job Creation Fund to the Iowa Department of Transportation (IDOT), for the Quaker Oats Flood Control System, is that it went from “pending” to “scheduled” for the IDOT Commission Agenda on October 9, 2018. The amount for the grant is $1,028,000.

Rob Davis presented the Flood Control System (FCS) Partnership Log. Submitted and discussed was a summary of the two-part partnership report:

1. FCS Partnership – Contribution
   - Contribution amounts to date: $1,310,000

2. FCS Partnership – Privately Constructed Flood Control
   - This is a new category added for reporting purposes.
     CRST, Inc. – Flood Wall/Pump Station at new CRST Headquarters – City Participation: $3.99M.
     Ellis Landings, LLC – Flood Wall at Ellis Landings Condos along Ellis Boulevard NW – City Participation: $2.0M
Rob Davis presented the Flood Control System East Side Alignment – Master Plan Updates, which consists of two areas, for recommendation:

1. North Industrial around Cedar Lake and Tie In at I-380 near J Avenue
   - The alternative alignment, going around Cedar Lake, offers multiple benefits which includes enabling industrial growth, eliminates numerous rail and road gates, greater opportunity for community amenities, enables use of Shaver Road during flooding, and protects 86 additional properties.
   - Current Alignment Cost: $43M – Alternative Alignment Cost: $55M

2. South Tie In location south of Cargill Corn Plant on Otis Road
   - The alternative alignment, going around Otis Road, offers multiple benefits which includes removing one roadway gate from the system ($2M-$3M cost per gate), allows Cargill Corn Plant to operate with all systems during a flood event (currently plant shuts down), creates drainage, and moves flood wall gate off of the Union Pacific Rail Road switches.

All three Council members supported the two alternative alignments, indicating the change is equal to the needs of the community to continue to do business during a flood event.

Flood Control System Council committee, voted unanimously to approve each recommendation and amend the Master Plan.

No public comment.

The meeting was adjourned at 11:27 am.

Respectfully,

Debbie O’Meara
Administrative Assistant I
Public Works
City of Cedar Rapids
Flood Control System Committee
Council Chambers– City Hall
MINUTES
January 17, 2019
10:00 a.m. – 11:00 p.m.

Present: Committee Council members: Tyler Olson (Chair) and Marty Hoeger
City Staff: Rob Davis, Jen Winter, Sandi Fowler, Nate Kampman, Dave Wallace, Justin Holland, Susan Heath

Meeting called to order at 10:05 a.m. by Council member Olson.

Approval of Meeting Minutes (October 2, 2018)
Approval of the Meeting Minutes for October 2, 2018 was tabled until next meeting.

2019 Flood Control System Committee Meeting Calendar
The 2019 Flood Control System Committee Meeting Calendar was discussed. Rob Davis advised prior meetings were generally held the third Thursday of the month on a quarterly basis (January, April, July and October at 11:00 a.m.). Will add extra meetings when necessary.

Informational Items
Rob Davis stated that from April 2014 through December 2018, the City has spent $68.4 million on the flood control system. Two-thirds of expenses is Iowa Mitigation Flood program funds of $44.7 million. Of this Iowa Flood Mitigation program expenditures, about 40% were in NewBo, followed by Time Check. The voluntary acquisition program has worked well. Cargill south will start to see expenditures as that is one of the earlier segments to be built by the Army Corp of Engineers.

On the revenue side, the City has received $38.88 million from the state to date in the Iowa Flood Mitigation program. The City spends ahead of actual revenues by up to one year’s worth of revenues, so as not to get shorted any funds. This is because the Iowa Flood Mitigation Program is a use it or lose it program, and funds must be expended no later than the year in which they are generated, or otherwise they are forfeited. Currently, the project has incurred about ½ a year expenses ahead (i.e. $6 million), to make sure there are enough expenses to submit.

The City did not generate enough sales tax to reach its maximum $13.14 million cap for revenue in FY 2018. The final fiscal numbers are available approximately 6 months after the end of the fiscal year and FY18 actual sales tax revenues were $10.1 million. This trend could be concern going forward for Cedar Rapids and other communities, as projects may have to be deferred. The maximum cap for FY2019 revenue is $15 million for Cedar Rapids, so significant growth above $10.1 million sales tax increment above will be necessary to reach the maximum cap.

A list of all projects the city submitted for grant applications was reviewed. We are running at over a 50% success rates on submitted grants. On November 3, 2017 a FEMA application for unfunded hazard mitigation construction program was submitted to Iowa Homeland Security to get first in line when federal funding became available. FEMA has recently funded this program and staff updated the application with the state yesterday as an $862,000 request for five downtown storm gate structures. The State said they received five applications from around the state for this
nation-wide program. The City’s project has a reasonable chance for competitive approval as it has a 4.0 benefit-cost ratio. Also, since the last Committee meeting, we did get that IDOT grant approved for Quaker Oats.

FCS Coordination with US Army Corp of Engineers
First presentation showed coordination with the Army Corps of Engineers on the various projects. The City is leading the design in the Downtown area, and the US Army Corps is leading the design effort on the bookends in NewBo/Cargill and upstream of Quaker Oats. There is some overlap in areas. For example, the city will take the lead on design of Shaver Road raising and the US Army Corps will design the pump station downtown. After design, the majority of the construction will be contracted by the US Army Corps, including the 16th Avenue gate closure designed by the City.

Other items in construction.....The Quaker Oats floodwall is proceeding well. The newest construction start is the Czech Village levee construction ($4.7 million) contract which was awarded in November.

Other items in design.....roadway closure gate for 3rd Avenue downtown, storm sewer shut-off valves on both east and west sides of the river. Overall, the east side system has accelerated with the US Army Corps, and that has not affected the schedule for the west side construction. The budget also kicks off the 8th Avenue Bridge design.

Dept. of the Army Time and Motion Study
The City hired the Dept of the Army, Engineering Research Development Center in Vicksburg, MS in 2017 to validate how the erection of the moving parts of the flood control system. A draft report has been received that shows that there is a 90% chance the entire system can be erected in 47 hours. This builds in time for poor weather, equipment malfunctions, staff training, etc. Overall, this report is showing the Flood Control System is viable. The original master plan had 20% removables and moving parts and currently it sits at 15%. Staff will continue to work on simplifying the system, while improving the community experience, which we think will yield some additional reductions in removable flood walls to about 12.5%.

Construction Updates
- Quaker Oats wall is 2,100 feet, and about 10% complete.
- Boulder Contracting is under contract for the Sinclair Monuments, which should begin in Spring 2019.
- The Ellis Landings condominium Flood Structure is a private contract. The City has issued permits and the flood wall portion is expected to be complete in summer 2019.
- The Czech Village levee (south of 16th Avenue SW) is scheduled to be complete in fall 2019, except for seeding.

FCS Recommended Master Plan Updates
There are three homes in the area of the proposed detention pond between Bowling Street SW and 22nd Street SW. All three homes sold after January 2016 before the adjacent detention basin was added to the FCS Master Plan. Unrelated to the FCS project, Flood insurance is nearly half of the property owner’s mortgage payment. The properties are viable as they stand, because their low openings are approximately 2 feet above the top of the detention basin, though the detention basin could affect groundwater elevations. Voluntary acquisition offers are recommended, because of the change to the master plan and neighborhood not understood at the time of the property purchases. Affected property owners were polled and they are amenable to an offer. Staff is recommending amending Chapter VI of the FCS Master Plan to accommodate voluntary acquisition of the three closest (both horizontally and vertically) to the detention basin, and request City Council approve the change to the
Master Plan. Tyler Olson made a motion to approve the recommendation to amend Chapter VI of the FCS Master Plan; Marty Hoeger seconded. Passed.

8th Avenue Bridge
The City added in 2016 to the Master Plan to approve raising of the 8th Avenue Bridge, which was approved by the state of Iowa. The consultant selection process was in 2018. T Y Lin International was selected. That contract approval will be on the next Council agenda. We have four Cedar Rapids sub-consultants – Shoemaker & Haaland, Stanley Consultant, Terracon Consultants and Confluence.

The main focus of the contract is the 8th Avenue Bridge and associated riverfront improvements, such as gathering space development, intersection geometry, flood control integration, trail integration and connectivity, and adjacent property coordination. The contract is for 30% design, due in 12 months. The fee is $3,287,086. Approval of this contract will be on an upcoming City Council meeting agenda.

No public comment.
The meeting was adjourned at 11:05 a.m.

Respectfully,

Susan H. Heath
Administrative Assistant II
Public Works

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.
Flood Control System

The City is approved to receive up to $269M in sales tax revenues from the Iowa Flood Mitigation Program, for 2014 - 2033. Through 1st quarter 2019, the City has received $41.8M. Through 2018 the City received $5.5M less than the maximum potential of $44M for that same period. Taxes remitted from 2018 were a shortfall of $3M on a maximum potential of $13M.

<table>
<thead>
<tr>
<th>Payments Remitted through 2018 and 2019 - 2033 Maximum Approved</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year</td>
</tr>
<tr>
<td>--------</td>
</tr>
<tr>
<td>2014</td>
</tr>
<tr>
<td>2015</td>
</tr>
<tr>
<td>2016</td>
</tr>
<tr>
<td>2017</td>
</tr>
<tr>
<td>2018</td>
</tr>
<tr>
<td>2019</td>
</tr>
<tr>
<td>2020-2033</td>
</tr>
<tr>
<td>TOTAL</td>
</tr>
</tbody>
</table>

For 2019, the 1st quarter payment of $3M for 2019 is $513K higher than 1st quarter payment for 2018. Payments for remaining three quarters would need to total $12M to achieve the maximum potential $15M in payments for 2019. 2nd quarter payment would be scheduled for receipt in May.

The City of Cedar Rapids
Flood Mitigation Sales Tax Increment Distribution (2019 by quarter with details)

<table>
<thead>
<tr>
<th>Year</th>
<th>Eligible Per Agreement</th>
<th>Sales Tax Increment</th>
<th>Board Capped 70% Sales Tax</th>
<th>State Admin Fee</th>
<th>Distribution to City</th>
<th>Remaining Eligible Remittance</th>
</tr>
</thead>
<tbody>
<tr>
<td>2019 - 1st Qtr.</td>
<td>15,000,000</td>
<td>4,222,769</td>
<td>2,955,938</td>
<td>3,652</td>
<td>2,952,287</td>
<td>-</td>
</tr>
<tr>
<td>2019 - 2nd Qtr.</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>2019 - 3rd Qtr.</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>2019 - 4th Qtr.</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

The majority of April expenditures include design, Quaker floodwall construction costs, and Czech Village levee construction costs. Since April of 2014, $74.5M has been spent on flood control. The following summarizes total flood control expenditures and how the costs have been funded to date.
<table>
<thead>
<tr>
<th>SUBMISSION DATE</th>
<th>AGENCY</th>
<th>GRANT</th>
<th>LOCATION</th>
<th>AMOUNT</th>
<th>RESULT</th>
</tr>
</thead>
<tbody>
<tr>
<td>6/4/2015</td>
<td>Iowa Economic Development Authority</td>
<td>CDBG Amendment</td>
<td>North Industrial (Quaker)</td>
<td>$911,562.00</td>
<td>Approved</td>
</tr>
<tr>
<td>6/30/2015</td>
<td>Iowa Homeland Security</td>
<td>GRI</td>
<td>System Wide</td>
<td>Gross-$5,637,523, Net-$3,082,413</td>
<td>Approved</td>
</tr>
<tr>
<td>9/16/2015</td>
<td>Federal Transit Administration (FTA)</td>
<td>Property Rights Donation/Grant Forgiveness</td>
<td>Lot 44 NewBo</td>
<td>$170,616.60</td>
<td>Not Approved</td>
</tr>
<tr>
<td>9/29/2015</td>
<td>Iowa Department of Transportation</td>
<td>City Bridge Program</td>
<td>NewBo/Czech Village (8th Ave Bridge)</td>
<td>$1,000,000.00</td>
<td>Pending - Remains on List</td>
</tr>
<tr>
<td>10/1/2015</td>
<td>Iowa Department of Transportation</td>
<td>Federal Recreation Trails Grant</td>
<td>NewBo/Sinclair</td>
<td>$235,603.00</td>
<td>Not Approved</td>
</tr>
<tr>
<td>1/15/2016</td>
<td>Vision Iowa</td>
<td>Community Attraction &amp; Tourism (CAT) Program</td>
<td>Tree of 5 Seasons Park and Trail</td>
<td>$384,500.00</td>
<td>Not Approved</td>
</tr>
<tr>
<td>7/1/2016</td>
<td>Iowa Economic Development Authority</td>
<td>CDBG Amendment No. 7</td>
<td>Sinclair</td>
<td>$1,305,212.00</td>
<td>Approved</td>
</tr>
<tr>
<td>9/1/2016</td>
<td>Iowa Economic Development Authority</td>
<td>CDBG Amendment No. 8</td>
<td>Sinclair</td>
<td>$197,454.00</td>
<td>Approved</td>
</tr>
<tr>
<td>11/9/2016</td>
<td>Iowa DNR</td>
<td>Iowa Brownfield Redevelopment Program</td>
<td>2204 A Street SW</td>
<td>$24,999.00</td>
<td>Approved</td>
</tr>
<tr>
<td>12/9/2016</td>
<td>U.S. Economic Development Administration</td>
<td>Public Works</td>
<td>Quaker Oats</td>
<td>$1,729,500.00</td>
<td>Approved</td>
</tr>
<tr>
<td>2/1/2017</td>
<td>Iowa Economic Development Authority</td>
<td>CDBG Amendment No. 9</td>
<td>Sinclair</td>
<td>$1,000,000.92</td>
<td>Approved</td>
</tr>
<tr>
<td>11/3/2017</td>
<td>FEMA</td>
<td>FEMA Hazard Mitigation</td>
<td>Downtown Gatewell Structures</td>
<td>$600,000.00</td>
<td>Re- Submitted 1/17/19 upon note of program funding</td>
</tr>
<tr>
<td>11/7/2017</td>
<td>United States Army Corps of Engineers (USACE)</td>
<td>Planning Assistance Study (50/50)</td>
<td>Quaker North &amp; West Side</td>
<td>$75,000.00</td>
<td>Tabled - Since USACE funding was allocated for east side system July 2018</td>
</tr>
<tr>
<td>5/24/2018</td>
<td>Iowa Department of Transportation (IDOT)</td>
<td>Railroad Revolving Loan and Grant – Targeted Job Creation Fund to the Iowa Department of Transportation</td>
<td>Quaker Oats Flood Control System</td>
<td>$1,028,000.00</td>
<td>Approved</td>
</tr>
<tr>
<td>1/17/2019</td>
<td>FEMA</td>
<td>FEMA Hazard Mitigation</td>
<td>Five Downtown Gatewell Structures</td>
<td>$862,000.00</td>
<td>Pending</td>
</tr>
</tbody>
</table>

**Total Grant Funding**

Approved: $9,279,140.92

October 2, 2018
## FCS DONATION LOG - May 2019

<table>
<thead>
<tr>
<th>SUBMISSION DATE</th>
<th>AGENCY</th>
<th>LOCATION</th>
<th>AMOUNT</th>
<th>COMMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>7/14/2017</td>
<td>Foth Infrastructure and Environment</td>
<td>NW GATEWAY</td>
<td>$10,000.00</td>
<td>Committed in 2017</td>
</tr>
<tr>
<td>7/14/2017</td>
<td>Hanson Professional Services</td>
<td>NW GATEWAY</td>
<td>$5,000.00</td>
<td>Committed in 2017</td>
</tr>
<tr>
<td>7/14/2017</td>
<td>HR Green</td>
<td>NW GATEWAY</td>
<td>$25,000.00</td>
<td>Committed in 2017</td>
</tr>
<tr>
<td>7/14/2017</td>
<td>Shive-Hattery</td>
<td>NW GATEWAY</td>
<td>$10,000.00</td>
<td>$5,000.00 in <strong>2018</strong> and $5,000.00 in <strong>2019</strong></td>
</tr>
<tr>
<td>2018-2019</td>
<td>Pierson's Flowershop (Al Pierson)</td>
<td>NW GATEWAY</td>
<td></td>
<td>Watering Northwest Gateway</td>
</tr>
</tbody>
</table>

## FCS PARTNERSHIP – CONTRIBUTION LOG – May 2019

<table>
<thead>
<tr>
<th>DATE</th>
<th>AGENCY</th>
<th>ITEM</th>
<th>AMOUNT</th>
<th>COMMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>10/1/2017</td>
<td>PepsiCo/ Quaker Oats</td>
<td>Reconstruction of Water Service to Accommodate FCS</td>
<td>$900,000.00</td>
<td></td>
</tr>
<tr>
<td>4/1/2018</td>
<td>Interstate Power and Light Company</td>
<td>Reimbursement for removal of Methane Line</td>
<td>$10,000.00</td>
<td>0533-04-18</td>
</tr>
<tr>
<td>5/1/2018</td>
<td>Union Pacific Railroad (UPRR)</td>
<td>RR Abandonment to Accommodate FCS</td>
<td>$400,000.00</td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL** $1,310,000.00

## FCS PARTNERSHIP – PRIVATELY CONSTRUCTED FLOOD CONTROL – May 2019

<table>
<thead>
<tr>
<th>DATE</th>
<th>AGENCY</th>
<th>ITEM</th>
<th>CITY PARTICIPATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>CRST, Inc.</td>
<td>Flood Wall/Pump Station at new CRST Headquarters</td>
<td>$3.99M</td>
</tr>
<tr>
<td>2018</td>
<td>Ellis Landings, LLC</td>
<td>Flood Wall at Ellis Landings Condos along Ellis Blvd NW</td>
<td>$2.0M</td>
</tr>
</tbody>
</table>
Envision Award

• Envision is a Sustainability rating system similar to LEED for buildings.
• The System Includes:
  • A self assessment checklist
  • The Envision™ Rating Tool
  • A credential program for individuals
  • A Project Evaluation and Verification Program
  • A Recognition Program for Sustainable Infrastructure
Envision Award

There are 60 sustainability criteria that fall under the five main categories

- **Quality of Life** (purpose, well-being, community)
- **Leadership** (collaboration, management, planning)
- **Resource Allocation** (materials, energy, water)
- **Natural World** (site selection, land and water, biodiversity)
- **Climate and Risk** (emissions, resilience)
Envision Award

SOURCE: Institute of Sustainable Infrastructure

- WASHINGTON, D.C. – January, 24, 2019 — The City of Cedar Rapids’ Cedar River Flood Control System in the New Bohemia/Sinclair District in Iowa is the recent recipient of the Envision Bronze rating for sustainable infrastructure by the Institute of Sustainable Infrastructure. The Cedar Rapids project is the third infrastructure project in Iowa to achieve Envision recognition.
Envision Award

- **April 29, 2019**
  - Terminal 2 Parking Plaza at the San Diego Inte...
  - The Terminal 2 Parking at the San Diego International Airport (SAN) has received the Envision Gold award.

- **April 24, 2019**
  - Fairfax County's Huntington Levee Earns...
  - The Huntington Levee project in Fairfax County, Virginia is the recent recipient of the Envision Bronze.

- **February 11, 2019**
  - Power Distribution Improvements Project at the...
  - The BB-215 Power Distribution Improvements Project at the Bowery Bay Wastewater Resource Recovery Facility (WRRF) located...

- **February 04, 2019**
  - Naples Bay Restoration and Water Quality Impro...
  - Naples Bay and its contributing watershed have been dramatically altered by development over time. Associated with...

- **January 24, 2019**
  - Cedar River Flood Control System in New Bohemi...
  - The City of Cedar Rapids' Cedar River Flood Control System in the New Bohemia/Sinclair District in...

- **December 20, 2018**
  - The Reconstruction of Oregon Avenue in Washing...
  - The District Department of Transportation (DDOT) Reconstruction of Oregon Avenue project is a recent recipient of...
Flood Control System
City Council Flood Control Committee

East Side Projects & Public Outreach
East Side System & Army Corps

- Project Partnership Agreement for east side of system with US Army Corps of Engineers (signed November 2018)
- Leverages federal funding
- 5 year completion goal
- Work on west side of system continues
East Side Projects Starting 2019-2020

*Sinclair and Lot 44 Pump Stations already operational, adding two additional pumps*
Community Outreach

• Stakeholders
  • Business-specific to discuss construction impacts

• Partner Organizations
  • Downtown Parking Management Group
  • Economic Alliance Community Development Council
  • Rotary West
  • Kingston Square
  • Downtown SSMID
  • Cedar Rapids Main Street
  • NewBo Czech Village SSMID
Open Houses / Events

- June 1 Farmer’s Market
- June 5 Visioning Workshop for Czech Village/NewBo
  - 5:30 p.m. – 8:30 p.m.
  - Location: National Czech & Slovak Museum
- June 14 Industry Day for contractors
  - US Army Corps of Engineers partnering with Cedar Rapids Metro Economic Alliance

OPEN HOUSE
June 27
4:30 p.m. – 6:30 p.m.
Staff presentations at 4:45 and 5:45
Location: Cedar Rapids Metro Economic Alliance
16th Avenue SE Roller Gate & Archway

Roller Gate (2020) // Archway to be installed with Masaryk Park reconstruction (2021)

CONCEPT 1 - Arch
16th Avenue SE Roller Gate & Archway
Roller Gate (2020) // Archway to be installed with Masaryk Park reconstruction (2021)

CONCEPT 2 – Light Colored Arch

CONCEPT 2 – Dark
Shaver Road NE & Trail at McLoud Run

Draft concepts
Shaver Road NE & Trail at McLoud Run
Fall Open House – concepts underway

Planning and design ongoing

More info this fall on a variety of concepts underway:

• Elevated O Ave
• E and F Ave Reconfiguration
• 8th Ave Bridge and Riverfront Projects
• Pump Station
• Amphitheatre
• Restroom