



**STATE OF IOWA
FLOOD MITIGATION PROGRAM
PROGRESS REPORT**

PERIOD COVERED BY THIS REPORT: 11/1/2017 to 4/30/2018
 LOCAL CONTACT NAME: Matt Cox
 GOVERNMENTAL ENTITY: City of Council Bluffs
 ADDRESS: 209 Pearl Street
 Council Bluffs, Iowa 51503
 TELEPHONE NUMBER: 712-328-4634
 PROJECT TITLE: Levee and Indian Creek Flood Mitigation Project
 AGREEMENT NUMBER: 2014-0
 ACTIVITY COMPLETION TIMEFRAME: 12/4/2013 to 12/31/2034

	FEDERAL	LOCAL	STATE	TOTAL
TOTAL FUNDS APPROVED:	\$ 22,800,000	\$ 34,200,000	\$ 57,000,000	\$ 114,000,000
TOTAL FUNDS EXPENDED TO DATE:	\$ 22,801,385	\$ 13,006,198	\$ 5,664,759	\$ 41,472,342
PROJECT OVERRUN/ (UNDERRUN):	\$ 1,385	\$ (21,193,802)	\$ (51,335,241)	\$ (72,527,658)
The percentage of actual work that has been completed at the end of the reporting period (not a % of funds expended)				30%
The estimated cost of the project at completion (which may even exceed the awarded amount)				\$ 130,000,000

Type of Expense & Funding Source	Budget (from Application)	Federal/ Local/State	Total Expended to Date	Remaining Balance
CDBG Flood-125 West Broadway	\$ 2,400,000			
IEDA CDBG Multi-Family Unit Production Rental Disaster Recovery Fund		Federal/	\$ 2,400,630	
			\$ -	
TOTAL			\$ 2,400,630	\$ (630)
USACE 2011 Flood Fight and Rehabilitation	\$ 20,400,000			
USACE PL 84-99 Emergency Operations and Levee Rehab, USACE Operations and Maintenance		Federal	\$ 20,400,755	
			\$ -	
TOTAL			\$ 20,400,755	\$ (755)
Industrial Park Levee Accreditation	\$ 6,500,000			
City of Council Bluffs Local Option Sales Tax and Non-Public Investment		Local	\$ 9,008,155	
			\$ -	
TOTAL			\$ 9,008,155	\$ (2,508,155)
Levee Accreditation Engineering Analysis	\$ 1,900,000			
City of Council Bluffs Local Option Sales Tax		Local	\$ 1,114,324	
		State	\$ 1,033,279	
TOTAL			\$ 2,147,603	\$ (247,603)
Levee System Improvements & Accreditation	\$ 50,000,000			

City of Council Bluffs Local Option Sales Tax	Local	\$ 2,883,719	
	State	\$ 4,631,480	
TOTAL		\$ 7,515,199	\$ 42,484,801
Indian Creek Channel Rehabilitation		\$ 32,800,000	
		\$ -	
		\$ -	
TOTAL		\$ -	\$ 32,800,000
Total Project Budget Summary		\$ 114,000,000	\$ 41,472,342

FUNDING SOURCE:	FEDERAL (from Application)	LOCAL (from Application)	STATE (from Application)	Total Expended to Date
CDBG Program 08-DRH-215	\$ 2,400,000			\$ 2,400,630.00
U.S. Army Corps of Engineers	\$ 20,400,000			\$ 20,400,755.00
Iowa Flood Mitigation Program			\$ 57,000,000	\$ 5,664,759.00
City of Council Bluffs /Local Non-Public		\$ 34,200,000		\$ 13,006,198.00
				\$ -
				\$ -
				\$ -
				\$ -
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				\$ -
				\$ -
				\$ -
				\$ -
Total Project Funding Source	\$ 22,800,000	\$ 34,200,000	\$ 57,000,000	\$ 41,472,342.00

Indebtedness Incurred etc.)	(Bonds,	Rate of Interest	Length of Term (start & end)	Costs of Issuance	Net Proceeds
		0.00%		\$ -	\$ -
		0.00%		\$ -	\$ -
		0.00%		\$ -	\$ -

NON-PUBLIC INVESTMENT - Entity	Total to Date
Industrial Park Levee Property Owners	\$ 7,563,263
	\$ -
	\$ -
Total Non-Public Investment	\$ 7,563,263

Project Status- entire project (Check One)	Description of significant activities this semi-annual term . Include comparison of actual accomplishments to the objectives identified in your application. Attach pictures and a narrative. Status changes or delays, please explain reason.
<input checked="" type="checkbox"/> On Schedule <input checked="" type="checkbox"/> Delayed <input type="checkbox"/> Canceled <input type="checkbox"/> Completed <input type="checkbox"/> Suspended	See Attached

Application Work Schedule (Milestones)			Milestone Status
#	Description:	Submitted Completion Date:	Actual Completion Date:
1	Geotech/Drainage MR-1, Structural MR-2, IPL Accreditation	12/31/2016	12/31/2016
2	Structual MR-1, Geotech MR-7, Geotech MR-2	12/31/2017	12/31/2017
3	Levee Phase 3	12/31/2018	
4	Levee Phase 4	12/31/2019	
5	Levee Phase 5	12/31/2020	
6	Levee Phase 6	12/31/2021	
7	Levee Phase 7	12/31/2022	
8	Levee Phase 8	12/31/2023	
9	Levee Phase 9	12/31/2024	
10	Levee Phase 10	12/31/2025	
11	Indian Creek Phase 1	12/31/2026	
12	Indian Creek Phase 2	12/31/2027	
13	Indian Creek Phase 3	12/31/2028	
14	Indian Creek Phase 4	12/31/2029	
15	Indian Creek Phase 5	12/31/2030	
16	Indian Creek Phase 6	12/31/2031	
17	Indian Creek Phase 7	12/31/2032	
18	Indian Creek Phase 8	12/31/2033	
19	Indian Creek Phase 9	12/31/2034	
20	Indian Creek Phase 10	12/31/2034	

Person Completing this Report:

Matthew S. Cox

Date:

5/9/2018

I, the undersigned, hereby certify that the above information is accurate and true, and in accordance with the approved project plan and state and federal regulations and policies governing this award.

Matthew S. Cox - City Engineer

Signature of Authorized Representative or Governmental Entity

Instructions to complete this form

Areas shaded  are to be completed by State HSEMD Personnel.

Areas shaded  are to be completed by the governmental entity or authorized administrator.

From: **Matt Cox** <mcox@councilbluffs-ia.gov>
Date: Wed, May 16, 2018 at 2:19 PM
Subject: RE: FW: FMP: Bi-Annual Report form 04-30-18
To: "Brown, Te" <te.brown@iowa.gov>
Cc: Greg Reeder <greeder@councilbluffs-ia.gov>

Terry... No mistakes, but some further explanation is probably warranted. You are correct that I am now showing less for the local share. The total amount expended went up, but not by a lot. At the same time, the reimbursement amounts were over \$1.5M during the same reporting period. This resulted in the local share at this snapshot in time going down.

Here is how the math works:

Total Expenses (Apr 2018) = \$41,472,342

Total Expenses (Oct 2017) = \$40,184,569

\$ 1,287,773 (additional expenses during reporting period)

IFMP Reimbursements (Apr 2018) = \$5,664,759

IFMP Reimbursements (Oct 2017) = \$4,135,078

\$1,529,681 (additional reimbursements during

reporting period)

\$1,529,681 - \$1,287,773 = \$241,908 (additional revenue beyond expenses)

Local Expenses (Oct 2017) = \$13,248,106 - \$241,908 = \$13,006,198 = Local Expenses (Apr 2018)

The biggest reason for the limited expenses during the last 6 months is related to a large project that has been delayed because of extremely long review times from USACE. This was noted in the progress status report attachment as follows:

- Geotech MR-4 & MR-5 – Project constructs a seepage berm and existing relief wells will be abandoned. Construction estimate is approximately \$5 Million.

(Design is 100% complete, but bidding has been delayed. Project cannot proceed until Section 408 and 404 permits have been approved by USACE – permits were submitted August 2017)

This was the reason for the delay box also being checked. Overall, the program remains on schedule but this large project has been delayed for reasons beyond the control of the City. Once the work on this \$5M project is underway, the City's expenses will once again exceed reimbursements and the local share will also increase.

Hopefully this explanation helps with your review. If you want to discuss over the phone, I will be happy to schedule a time to talk it through.

Thanks,
Matt

Recent and continued tasks by the City of Council Bluffs include Alignment A certification submittal planning; internal drainage model review; emergency preparedness planning; development and distribution of a levee program fact sheet; drainage structure pipe inspections; coordination with IDNR regarding borrow material; detailed final design development; project permitting; construction of improvements; and general coordination with FEMA and USACE.

The following Improvement projects are in progress:

- Industrial Park Levee Accreditation – All work is complete. FEMA has accepted the levee reach as meeting the minimum requirements of 44 CFR 65.10.
(Complete)
- Geotech MR-1 and Drainage MR-1 – Project constructed a pervious toe trench and modified sand berm for seepage control, and repaired an outfall pipe by slip-lining.
(Complete)
- Geotech MR-2 – Project modified the existing relief well system to meet underseepage requirements.
(Construction is Substantially Complete)
- Geotech MR-3 – Project resolves levee seepage and slope stability deficiencies.
(Design is 95% complete, Section 408 and 404 permits have been submitted to USACE)
- Geotech MR-4 & MR-5 – Project constructs a seepage berm and existing relief wells will be abandoned. Construction estimate is approximately \$5 Million.
(Design is 100% complete, but bidding has been delayed. Project cannot proceed until Section 408 and 404 permits have been approved by USACE – permits were submitted August 2017)
- Geotech MR-7 – Project replaced the existing relief well system and re-graded the berm to meet underseepage requirements.
(Complete)
- Geotech MR-6, 8, & 9 – Each of the three projects constructs a seepage berm with existing relief wells to be abandoned. Coordination is underway with landowners for geotechnical exploration outside of the levee ROW.
(Design optimization has begun)
- Structural MR-1 – Project repaired a swing gate closure for a railroad crossing of the levee.
(Complete)

- Structural MR-2 – Project removed a section of floodwall and was replaced with an earthen levee section. Other encroachments near the area of the wall were also removed.
(Complete)
- Drainage MR-2 – Project rehabilitates deteriorating levee drainage structure pipes.
(Construction is 50% complete)
- PFE Pump Station Abandonment – Project demolishes a deteriorated pump station structure, removes an associated gate well structure, and abandons underground piping.
(Design is 100% complete, Bid letting scheduled for May 29, 2018)











Council Bluffs Levee Program

Reducing flood risk in Council Bluffs for more than 60 years

The Council Bluffs Levee System follows the Missouri River as well as Indian, Mosquito, and Pony Creeks.

- Approximately 60% of the city and more than 35,000 residents reside behind the levee system, which is over 28 miles long.
- The city is responsible for operating and maintaining the levee system to federal standards.
- The city is currently implementing a number of improvement projects.



Levees decrease the frequency of flooding on neighboring properties. Left photo: Typical levee section. Right photo: Recent levee improvement project.

The levee system significantly reduces flood risk, but it cannot eliminate flood risk.

- The city's long-term levee plan identifies maintenance and improvement projects to ensure the levee system continues to perform as designed.
- Property owners and tenants in the leveed area are eligible for a substantial discount on flood insurance through the National Flood Insurance Program (NFIP) because the Council Bluffs Levee System is accredited.
- Be prepared... April is the start of flood season!

DID YOU KNOW?

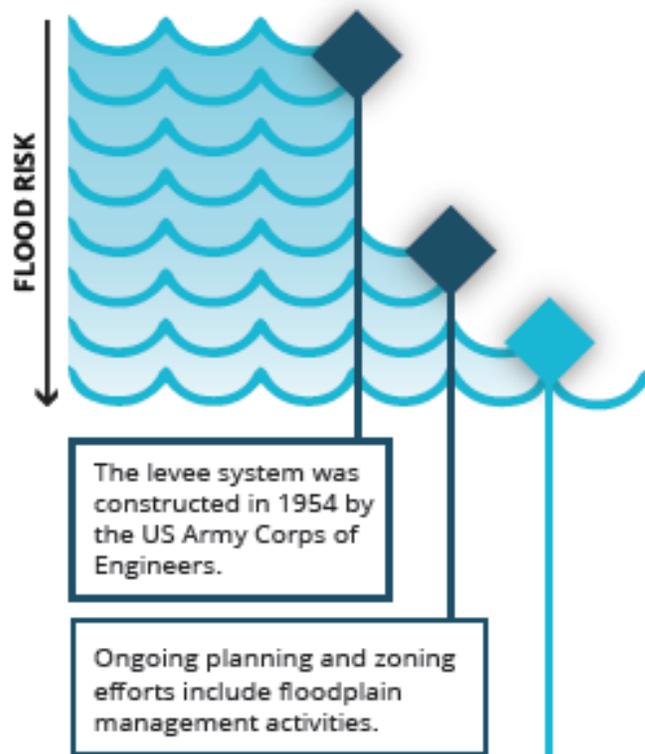
Standard homeowners and renters insurance typically does not cover flood damages.

Find additional information and more resources about preparing for a flood at <http://cblevees.com>

¿Hablas Español? Visite <http://cblevees.com> para obtener una versión en español de esta hoja informativa.



REDUCING FLOOD RISK



YOU play an important role in managing the remaining flood risk.



Know Your Risk

Use the National Levee Database and FEMA's Map Service Center to determine your flood risk.



Consider Buying Flood Insurance

Buying flood insurance helps ensure that your home and belongings are insured in case of damages from flooding.



Create an Emergency Preparedness Kit

Create an emergency preparedness kit for you and your family for when severe weather and flooding occur.



Make a Flood Emergency Plan

Take time to make a flood emergency plan to keep you and your family safe.