



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

PERIOD COVERED BY THIS REPORT: 11/1/2015 to 4/30/2016  
 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	\$ 8,999,147	\$ 2,356,165	\$ 34,156,697
<b>PROJECT OVERRUN/ (UNDERRUN):</b>	<b>\$ 1,385</b>	<b>\$ (25,200,853)</b>	<b>\$ (54,643,835)</b>	<b>\$ (79,843,303)</b>
The percentage of actual work that has been completed at the end of the reporting period (not a % of funds expended)				22%
The estimated cost of the project at completion (which may even exceed the awarded amount)				\$ 120,000,000

Type of Expense & Funding Source	Budget (from Application)	Federal/ Local/State	Total Expended to Date	Remaining Balance
<b>CDBG Flood-125 West Broadway</b>	\$ 2,400,000			
IEDA CDBG Multi-Family Unit Production Rental Disaster Recovery Fund		Federal/	\$ 2,400,630	
			\$ -	
<b>TOTAL</b>			\$ 2,400,630	\$ (630)
<b>USACE 2011 Flood Fight and Rehabilitation</b>	\$ 20,400,000			
USACE PL 84-99 Emergency Operations and Levee Rehab, USACE Operations and Maintenance		Federal	\$ 20,400,755	
			\$ -	
<b>TOTAL</b>			\$ 20,400,755	\$ (755)
<b>Industrial Park Levee Accreditation</b>	\$ 6,500,000			
City of Council Bluffs Local Option Sales Tax and Non-Public Investment		Local	\$ 6,751,719	
			\$ -	
<b>TOTAL</b>			\$ 6,751,719	\$ (251,719)
<b>Levee Accreditation Engineering Analysis</b>	\$ 1,900,000			
City of Council Bluffs Local Option Sales Tax		Local	\$ 1,114,324	
		State	\$ 1,033,279	
<b>TOTAL</b>			\$ 2,147,603	\$ (247,603)

<b>Levee System Improvements &amp; Accreditation</b>	\$ 50,000,000			
City of Council Bluffs Local Option Sales Tax		Local	\$ 1,133,104	
		State	\$ 1,322,886	
<b>TOTAL</b>			\$ 2,455,990	\$ 47,544,010
<b>Indian Creek Channel Rehabilitation</b>	\$ 32,800,000			
			\$ -	
			\$ -	
<b>TOTAL</b>			\$ -	\$ 32,800,000
<b>Total Project Budget Summary</b>	<b>\$ 114,000,000</b>		<b>\$ 34,156,697</b>	<b>\$ 79,843,303</b>

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	\$ 2,356,165.00
City of Council Bluffs /Local Non-Public		\$ 34,200,000		\$ 8,999,147.00
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
<b>Total Project Funding Source</b>	<b>\$ 22,800,000</b>	<b>\$ 34,200,000</b>	<b>\$ 57,000,000</b>	<b>\$ 34,156,697.00</b>

Indebtedness Incurred (Bonds, etc.)	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		\$ 3,090,125
		\$ -
		\$ -
<b>Total Non-Public Investment</b>		<b>\$ 3,090,125</b>

Project Status- entire	Description of significant activities this <b>semi-annual term</b> . Include comparison of actual accomplishments to the objectives identified in your application. Attach pictures and a
<input checked="" type="checkbox"/> On Schedule <input type="checkbox"/> Delayed <input type="checkbox"/> Canceled <input type="checkbox"/> Completed	See Attached

Suspended

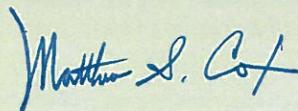
Application Work Schedule (Milestones)			Milestone Status
#	Description:	Submitted Completion Date:	Actual Completion Date:
1	Levee Phase 1	12/31/2016	
2	Levee Phase 2	12/31/2017	
3	Levee Phase 3	12/31/2018	
4	Levee Phase 4	12/31/2019	
5	Levee Phase 5	12/31/2020	
6	Levee Phase 6	12/31/2021	
7	Levee Phase 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: 5/25/2016

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.

Recent and continued tasks by the City of Council Bluffs include FEMA and USACE coordination, geotechnical pre-design optimization and alternative reviews, USACE 404/408 permit planning, H&H analysis, detailed final design development, and construction of improvements.

The following Improvement projects are in progress:

- Industrial Park Levee, Phase 1 Construction – Project constructed two new storm outfalls through the levee with associated closure structures, abandonment of a failed outfall with reconstruction of the levee, associated interior drainage, and site restoration.  
*(Complete)*

Industrial Park Levee, Boat Slip Accreditation – Certification package was approved by FEMA for the specific segment of the IPL. *(Complete)*

- Industrial Park Levee, Phase 2 Construction – Project addresses remaining necessary repairs to the IPL, including freeboard improvements, seepage control, outfall construction, removal of encroachments, and bank stabilization.  
*(Project is substantially complete with minor contract items remaining)*

Industrial Park Levee Accreditation – Certification package for the complete IPL.  
*(Work is underway with a submittal planned for July 2016)*

- Geotech MR-1 and Drainage MR-1 – Project constructs a pervious toe trench and modified sand berm for seepage control, and repairs an outfall pipe by slip-lining.  
*(Project is substantially complete with minor contract items remaining)*
- Geotech MR-2 – A pre-design optimization has been completed. The project will modify the existing relief well system to meet underseepage requirements.  
*(Design is 60% complete)*
- Geotech MR-3 & IC-1 – Project resolves levee seepage and slope stability deficiencies.  
*(Consultant selection has occurred and design scoping is underway)*
- Geotech MR-4 – Project constructs a seepage berm and existing relief wells will be abandoned.  
*(Design is 30% complete)*
- Geotech MR-5 – Project constructs a seepage berm and existing relief wells will be abandoned.  
*(Geotechnical exploration and design are underway)*

- Geotech MR-7 – A pre-design optimization has been completed. The project will replace the existing relief well system and re-grade the berm to meet underseepage requirements.  
*(Design is 90% complete and permitting is underway)*
- Structural MR-1 – Project repairs a swing gate closure for a railroad crossing of the levee.  
*(Design is 90% complete and permitting is underway)*
- Structural MR-2 – Project removes a section of floodwall and an earthen levee section will be reconstructed. Other encroachments near the area of the wall will also be removed.  
*(Project is 50% complete)*
- Drainage MR-2 – Project rehabilitates deteriorating levee drainage structure pipes.  
*(Consultant selection has occurred and design scoping is underway)*





