



STATE OF IOWA FLOOD MITIGATION PROGRAM PROGRESS REPORT

PERIOD COVERED BY THIS REPORT: 5/1/2018 to 10/31/2018
 LOCAL CONTACT NAME: Matt Cox
 GOVERNMENTAL ENTITY: City of Council Bluffs
 ADDRESS: 209 Pearl Street
 Council Bluffs, Iowa 51503
 TELEPHONE NUMBER: 712-890-5296
 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 | \$ 12,995,721 | \$ 6,853,358 | \$ 42,650,464 |
| PROJECT OVERRUN/ (UNDERRUN): | \$ 1,385 | \$ (21,204,279) | \$ (50,146,642) | \$ (71,349,536) |
| The percentage of actual work that has been completed at the end of the reporting period (not a % of funds expended) | | | | 31% |
| 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 | \$ 2,873,242 | |
| | | State | \$ 5,820,079 | |
| TOTAL | | | \$ 8,693,321 | \$ 41,306,679 |
| Indian Creek Channel Rehabilitation | \$ 32,800,000 | | | |
| | | | \$ - | |
| | | | \$ - | |
| TOTAL | | | \$ - | \$ 32,800,000 |
| Total Project Budget Summary | \$ 114,000,000 | | \$ 42,650,464 | \$ 71,349,536 |

| 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 | \$ 6,853,357.57 |
| City of Council Bluffs /Local Non-Public | | \$ 34,200,000 | | \$ 12,995,721.00 |
| | | | | \$ - |
| | | | | \$ - |
| | | | | \$ - |
| | | | | \$ - |
| | | | | \$ - |
| | | | | \$ - |
| | | | | \$ - |
| | | | | \$ - |
| | | | | \$ - |
| | | | | \$ - |
| Total Project Funding Source | \$ 22,800,000 | \$ 34,200,000 | \$ 57,000,000 | \$ 42,650,463.57 |

| 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 | \$ 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 type="checkbox"/> Delayed <input type="checkbox"/> Canceled | See Attached |

| | |
|---|-----------|
|  | Completed |
|  | Suspended |



| 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: 11/9/2018

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. |

Council Bluffs – Flood Mitigation Project Status

Supporting Narrative

Oct. 31, 2018

Recent and continued tasks by the City of Council Bluffs include Alignment A certification submittal documentation preparation; coordination with IDNR regarding potential borrow material from Lake Manawa dredging; identification of wetland mitigation options; documentation of high river impacts at various Missouri River stages; Harrah's Casino encroachment review; detailed final design development; project permitting; ROW acquisition; 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)
- Alignment A Levee Accreditation – Documentation that the levee reach meets the minimum requirements of 44 CFR 65.10.
(Work is underway with the submittal to FEMA scheduled to occur by December 31, 2018)
- 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 requirements.
(Complete)
- Geotech MR-3 – Project resolves levee seepage and slope stability deficiencies.
(Design is 100% complete, USACE Section 408 permit has been approved and 404 permit is pending. ROW acquisition in process.)
- Geotech MR-4 & MR-5 – Project constructs a seepage berm and existing relief wells will be abandoned.
(Section 408 and 404 permits were approved by USACE. Project was let, but all bids received were rejected due to costs greatly exceeding the estimate. New bid date TBD)
- 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. Geotechnical exploration outside of the levee ROW was delayed in some areas due to impact to crops.
(Design optimization is underway)
- 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. Work was interrupted by high river levels in the Missouri River.
(Construction is 80% complete)
- PFE Pump Station Abandonment – Project demolished a deteriorated pump station structure, removed the associated gate well structure, and abandoned underground piping.
(Construction is Substantially Complete)







