



STATE OF IOWA FLOOD MITIGATION PROGRAM PROGRESS REPORT

PERIOD COVERED BY THIS REPORT	05/01/2020	to	10/31/2020
LOCAL CONTACT NAME:	Calvin Miller		
GOVERNMENTAL ENTITY:	City of Des Moines & DMWRA		
ADDRESS:	400 Robert D. Ray Drive		
	Des Moines, IA 50309		
TELEPHONE NUMBER:	515-283-4748		
PROJECT TITLE:	Des Moines-WRA Flood Mitigation Project		
AGREEMENT NUMBER:	2015-1		
ACTIVITY COMPLETION TIMEFRAME:	12/4/2013	to	12/31/2033

	FEDERAL	LOCAL	STATE (STIF only)	TOTAL
TOTAL FUNDS APPROVED:	\$ 130,270,434	\$ 67,239,013	\$ 111,100,273	\$ 308,609,720
TOTAL FUNDS EXPENDED TO DATE:	\$ 128,213,355	\$ 78,115,957	\$ 26,201,441	\$ 232,530,753
PROJECT OVERRUN/ (UNDERRUN):	\$ (2,057,079)	\$ 10,876,944	\$ (84,898,832)	\$ (76,078,967)
The percentage of actual work that has been completed at the end of the reporting period (not a % of funds expended)				75%
The estimated cost of the project at completion (which may even exceed the awarded amount)				\$ 319,036,400

Type of Expense & Funding Source	Budget (from Application)	Federal/ Local/ State (STIF only)	Total Expended to Date	Remaining Balance
Acquisitions	\$ 880,880			
		Local	\$ 377,164	
Phase III ROW in progress.				
DM River Levee Interior Drainage Phase I		State FMP	\$ 103,581	
DM River Levee Improvement Phase I		State FMP	\$ -	\$ 350,000
Phase IV ROW in progress.				
DM River Levee Interior Drainage Phase II		State FMP	\$ 9,433	\$ -
TOTAL State FMP			\$ 113,014	\$ 350,000
TOTAL			\$ 490,178	\$ 390,702
Management Costs	\$ 9,041,877			
		Local	\$ 9,041,877	
TOTAL			\$ 9,041,877	\$ -
Construction:	\$ 231,112,305			
Phase I Construction Complete		CDBG	\$ 11,517,037	
		Army Corp of Engineers	\$ 13,108,000	
		Federal DOT	\$ 2,849,000	
		State DOT	\$ 726,071	
		I-JOBS	\$ 7,476,588	

		SRF - Clean Water	\$ 100,086,397	
		In-Kind Contribution	\$ 4,058,540	
		Local	\$ 38,529,067	
Phase II Construction Complete				
	Fourmile Sponsored Project	SRF - Clean Water	\$ 652,920	\$ -
Phase III Construction Complete				
	Red Bridge Re-Elevation	State FMP	\$ 2,291,932	\$ -
Phase III Construction in Progress:				
	Downtown Closures	State FMP	\$ 1,617,165	\$ 245,000
	DM River Levee Improvement Phase I	State FMP	\$ 710,669	\$ 32,973,162
	DM River Levee Interior Drainage Phase I	State FMP	\$ 5,040,399	\$ 9,646,337
Phase IV Construction in Progress:				
	DM River Levee Interior Drainage Phase II	State FMP	\$ 6,056,607	\$ 2,212,732
TOTAL State FMP			\$ 15,716,771	\$ 45,077,232
TOTAL			\$ 194,720,391	\$ 36,391,914
Design			\$ 34,384,638	
	Phase I Design Complete	Local	\$ 15,898,402	\$ -
	Phase II Design Complete	Local	\$ 1,557,985	\$ -
Phase III Design Complete				
	Red Bridge Re-Elevation	State FMP	\$ 179,486	\$ -
	Stantec Consultant Services - Hydraulic Modeling, Ext	State FMP	\$ 2,066,384	\$ -
	Des Moines River Upstream Mitigation Study	Local	\$ 450,263	\$ -
Phase III Design in progress.				
	WRA Ingersoll Run	State FMP	\$ 386,493	\$ 495,483
	WRF Flood Improvements	State FMP	\$ 1,183,386	\$ 1,027,603
	Downtown Closures	State FMP	\$ 114,118	\$ 3,523
	DM River Levee Improvement Phase I	State FMP	\$ 4,298,758	\$ 533,931
	DM River Levee Interior Drainage Phase I	State FMP	\$ 1,274,741	\$ 67,459
Phase IV Design in progress.				
	DM River Levee Interior Drainage Phase II	State FMP	\$ 868,290	\$ 77,710
TOTAL State FMP			\$ 10,371,656	\$ 2,205,708
TOTAL			\$ 28,278,306	\$ 6,106,332
City Financing Interest:			\$ 29,115,510	
		NA	\$ -	
TOTAL			\$ -	\$ 29,115,510

WRA Financing Interest:	\$ 4,074,510			
		NA	\$ -	
TOTAL			\$ -	\$ 4,074,510
Total Project Budget Summary	\$ 308,609,720		\$ 232,530,751	\$ 76,078,968

FUNDING SOURCE:	FEDERAL (from Application)	LOCAL (from Application)	STATE (from Application)	Total Expended to Date
CDBG	\$ 11,517,038			\$ 11,517,038
US Army Corp of Engineers	\$ 14,808,000			\$ 13,108,000
Federal DOT	\$ 2,849,000			\$ 2,849,000
Iowa DOT		\$ 726,071		\$ 726,071
I-Jobs		\$ 7,476,588		\$ 7,476,588
SRF- Clean Water	\$ 101,096,396			\$ 100,739,317
Local In-Kind Contribution		\$ 4,058,540		\$ 4,058,540
Local		\$ 54,977,814		\$ 65,854,758
Iowa Flood Mitigation Program			\$ 111,100,273	\$ 26,201,441
Total Project Funding Source	\$ 130,270,434	\$ 67,239,013	\$ 111,100,273	\$ 232,530,753

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
Various Entities within the City of Des Moines	\$ 30,281,706
	\$ -
	\$ -
Total Non-Public Investment	\$ 30,281,706

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 type="checkbox"/> On Schedule <input checked="" type="checkbox"/> Delayed <input type="checkbox"/> Canceled <input type="checkbox"/> Completed <input type="checkbox"/> Suspended	Please see attached.

Application Work Schedule (Milestones)			Milestone Status
#	Description:	Submitted Completion Date:	Actual Completion Date:
1	Phase I	12/31/2015	7/1/2016
2	Phase 2	12/31/2016	4/17/2018
3	Phase 3	12/31/2019	
4	Phase 4	12/31/2024	
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			

Person Completing this Report: Calvin Miller, Engineering Administrative Manager

Date: 11/13/2020

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.


Signature on file


Signature of Authorized Representative or Governmental Entity

Calvin Miller, Engineering Administrative Manager

Name 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.

WRF Flood Improvements Project

This project consists of 1) construction of a flood wall around the existing main pump station at WRF to protect against flooding caused by stormwater and/or breach of the levee. The existing electrical power transformer for the main pump station will be replaced and raised to a higher elevation to protect against potential flooding; 2) construction of a new building to house new electrical switch gear and emergency power generators for the treatment plant to permit treatment operations to continue in the event of a power outage. The floor elevation of the new building will be elevated several feet to provide additional flood protection. The design is 100% complete. This project was awarded on July 21, 2020. Construction commenced in October 2020 and is expected to be complete in the Spring of 2022.

WRA Ingersoll Run Outlet

This project includes approximately 10,000 linear feet of 60-inch to 66-inch diameter combined sewer conduit for conveying floodwater from the downtown Des Moines area to the WRA Combined Sewer Solids Separation Facility located at the Des Moines Metropolitan Wastewater Reclamation Facility. Design for this project is currently 50% complete. The WRA is working through the environmental and historical preservation process.

Des Moines Levee Alterations - Phase A

This project includes earthen levee raise, earthwork, excavation, Portland Cement Concrete (PCC) cast-in-place T-wall, cast-in-place floodwall raises, gatewell structural modifications, stoplog closures, revetment, Portland Cement Concrete (PCC) pavements, Hot Mix Asphalt (HMA) pavement, sanitary sewer abandonment, erosion control, seeding of disturbed areas, other incidental items and miscellaneous associated work including cleanup, with improvements located along the Des Moines River from the confluence to Center Street in Des Moines, Iowa. Design has been submitted to the US Army Corps of Engineers for Section 408 Approval. The project started construction on September 14, 2020 and is expected to be complete in the Fall of 2021.

Northside of Women's Achievement Bridge



Northside of MLK bridge



Southside MLK Bridge



S.E. 9th Street Storm Water Pump Station and Improvements

This project includes construction of a two-pump storm water pump station including the installation of pumps, mechanical bar screens, electrical and controls building, standby power generator, modification of existing gateway structure, 12-inch to 78-inch diameter Reinforced Concrete Pipe (RCP) storm sewer, Portland Cement Concrete (PCC) pavement, PCC sidewalk, earthwork, landscaping, Hot Mix Asphalt (HMA) trail, and miscellaneous associated work including cleanup, erosion control, and seeding of disturbed areas and other incidental items with improvements located at 1030 S.E. 9th Street, 505 S.E. 10th Street and along the Maury Street from S.E. 10th Street to S.E. 11th Street in Des Moines, Iowa. This project provides for increased storm water conveyance capacity to address recommended improvements identified in the Des Moines Downtown Levees Stormwater Pump Station Assessment. This project is approximately 70% complete.



S.E. 9th Street Storm Water Pump Station and Improvements

S.E. 4th and Van Buren Storm Water Pump Station Improvements

The improvement includes construction of a three pump storm water pump station including the installation of pumps, mechanical bar screens, electrical and controls building, board formed cast-in-place concrete pump station structure, lighting, standby power generator, Reinforced Concrete Pipe (RCP) 84-inch storm sewer, cast-in-place manholes, cast-in-place headwall, 8-inch Portland Cement Concrete (PCC) pavement, 6-inch hot-mix asphalt (HMA) paving, landscaping, erosion control, restoration and miscellaneous associated work including cleanup and other incidental items, located near S.E. 4th Street and Livingston Avenue, along the south bank levee of the Des Moines River in Des Moines, Iowa. This project provides for increased storm water conveyance capacity to address recommended improvements identified in the Des Moines Downtown Levees Stormwater Pump Station Assessment. This project is 99% complete.



S.E. 4th and Van Buren Storm Water Pump Station Improvements



S.E. 4th and Van Buren Storm Water Pump Station Improvements



S.E. 4th and Van Buren Storm Water Pump Station Improvements