

Iowa Homeland Security & Emergency Management
7900 Hickman Rd, Ste 500
Windsor Heights, IA 50324

**Iowa Flood Mitigation Program (FMP)
Flood Recovery Project Application**

What is the Flood Recovery Fund?

A Flood Recovery Fund is established in the state treasury under the control of the Flood Mitigation Board to provide funding to eligible political subdivisions of the state to implement flood response, flood recovery, or flood mitigation projects.

Eligibility:

- 1) An eligible applicant is a political subdivision of the state located in a county designated under presidential disaster declaration DR-4421-IA and also located in a county where the federal emergency management agency individual assistance program has been activated.
- 2) Eligible projects must support flood response, flood recovery, or flood mitigation. Eligible project types include construction and reconstruction of levees, embankments, impounding reservoirs, conduits or other means that are necessary for the protection from the effects of floodwaters and may include the deepening, widening, alteration, change, diversion, or other improvement of watercourses if necessary for the protection of such property from the effects of flood waters. A project may consist of one or more phases of construction or reconstruction that are contracted for separately if the larger project, of which the project is a part, otherwise meets the requirements of this subrule.

Application Process:

This application is designed to capture the necessary information to meet program requirements.

- 1) Description of the project and how the project supports flood response, flood recovery, or flood mitigation activities.
- 2) Description of financial assistance need through the Flood Recovery Fund.
- 3) Description of the necessary expense or serious need of the political subdivision.
- 4) Details on any additional funds to be applied to the project.

Flood Mitigation Board Process:

- 1) Review the application.
- 2) Approve, defer, or deny the application.

Iowa Flood Mitigation Program (FMP) Flood Recovery Project Application

I. Applicant Information

A. Applicant/Community Name		B. Address		City, State, Zip Code	
City of Hornick		400 Main Street		Hornick, IA 51026	
C. Point of Contact (POC) Name for Project		POC Title	POC Agency	POC Email	
Scott Mitchell		Mayor	City of Hornick	wsmitch@wiatel.net	
POC PO Box and Zip Code	POC Street Address	POC City, State, Zip Code		POC Phone	
PO Box 152	314 5th Ave	Hornick, IA 51026		712-251-3238	
Alternate POC Name or Authorized Representative		Alt POC Title	Alt POC Agency	Alternate POC Email	
Candi Gress		Clerk	City of Hornick	cityofhornick@wiatel.net	
Alt POC PO Box and Zip Code	Alt POC Street Address	Alt POC City, State, Zip Code		Alt POC Phone	
PO Box 67	400 Main Street	Hornick, IA 51026		712-874-3374	
D. Federal Tax ID # / FEIN	E. County Name	F. US Congressional District(s)		State Legislative Districts	
	Woodbury County	4- Steve King		Senate 9 Schultz	House 17 Windschitl
G. Is the Applicant/Community participating in the National Flood Insurance Program (NFIP)?			Community's CID Number		
YES			190291		

II. Project Cost Information

A. Identify the requested funding source: Permanent Work

B. Project Budget Summary

Engineering/Contractual Services	\$	190,000.00
Construction	\$	1,565,189.00
Purchase of ROW	\$	160,000.00
Contingency (10%)	\$	156,519.00
Total Project Budget Summary	\$	2,071,708.00

C. Project Funding Source

Identify all anticipated funding sources for the project and the amounts.
State that you have applied for and/or received approved federal, state and/or local financial assistance.

Please insert additional rows as needed.

Identify source	Applied/Received	Federal \$	State \$	Local \$	TOTAL
Flood Recovery Fund		\$ -	\$ 2,071,708.00	\$ -	\$ 2,071,708.00
					\$ -
Total Project Funding Source		\$ -	\$ 2,071,708.00	\$ -	\$ 2,071,708.00

III. Project Plan Summary

A. Provide a brief description of the project and how the project supported flood response or will support future flood recovery and flood mitigation activities. This is a summary of Tab B - Project Plan.

This project is to build a protective berm around the City of Hornick at 3 feet above the 500 year flood elevation- 1067.20. At the time of the flood in March 2019, the USGS shows an average water level of 1067.15 in the City of Hornick. With this protective berm being 3 feet above the 500 year elevation it should provide adequate protection for the City of Hornick from any future flooding.

B. Provide a brief description of the financial assistance need through the Flood Recovery Fund.

With the large financial burden the City has been under since the March 2019 Flood, at this time the City of Hornick is unable to financially support this project. The City of Hornick is asking for 100% financial assistance from the Flood Recovery Fund. During the disaster the City received so much volunteer time and equipment/material that the city will not be requesting any State Funding for Public Assistance for repairs to the city from flood damage.

C. Explain how financial assistance through the Flood Recovery Fund is essential to meet the necessary expenses or serious needs of the applicant related to flood response, flood recovery, and flood mitigation.

With the help from the Flood Recovery Fund, we feel the City of Hornick will be protected from future flooding. In 1996 the city built a temporary berm around the City of Hornick that stopped flood waters from damaging the city. After the flood waters receded, the temporary berm was removed. The estimated cost to repair the city streets from the March 2019 flood is over \$2.7 million dollars. Add that to the Individual Assistance that FEMA provided to the residence of Hornick and the NFIP paid for flood insurance coverage we feel it is well worth the cost to build a permanent protective berm around the City of Hornick to prevent any future flooding.

D. Provide details of any additional funds that can be applied to the project.

It is the city's plan to add a walking trail to the top of the protective berm in the future after the City recovers financially from the Flood of March 2019. The walking trail will be funded by the City of Hornick. This walking trail will provide a safe place for people to walk, bike, be closer to nature, and will help maintain the protective berm with monthly inspections.

E. Description of Project Location (i.e. Latitude and Longitude (minimum 6 digits after the decimal), Neighborhood, Subdivision, Geographic Boundaries, Driving Directions, etc.)

NW Corner: 42.234359 -96.104374
 NE Corner: 42.234259 -96.094778
 SW Corner: 42.228105 -96.097257
 SE Corner: 42.226453 -96.092734

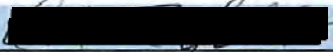
IV. Work Schedule


A. List the major milestones for this project.

Task	Months/Years from Award		Responsible Party
	Start	Complete	
Funding	Upon Award	Upon Award	Flood Mitigation Board & IHSEMD
Final Design	2	7	City of Hornick
Bid letting	7	9	City of Hornick
Ground breaking & Construction	9	22	City of Hornick
Completion & Closeout	22	24	City & IHSEMD
Total Project Duration:	24 months		

V. Certifications

To the best of my knowledge and belief, I certify that all data in this application packet is complete, true and correct. The governing body of the applicant has duly authorized this document and hereby applies for assistance as documented in this application. The applicant understands that the project shall not proceed until Flood Mitigation Board approval is granted.


Signature of the Chief Executive Officer
Dale Ronfeldt
Name of the Chief Executive Officer
Mayor Pro Tem
Title
City of Hornick
Organization
9/6/2019
Date
712-253-8492
Phone Number


Signature of the Authorized Representative
Scott Mitchell
Name of Authorized Representative
Mayor
Title
City of Hornick
Organization
Date
314 5th Ave
PO Box / Street Address
Hornick, IA 51026
City, State and Zip Code
712-251-3238
Phone Number
wsmitch@witel.net
Email Address

Project Plan

Applicant: City of Hornick

Political subdivision shall attach to the Flood Recovery Project Application the project plan.

Project plan shall include:

1. a. A detailed description of the project Scope of Work.

- i. How the project supported flood response or will support future flood recovery and flood mitigation activities.

This project is to build a protective berm around the City of Hornick to eliminate or help minimize the effect of flood waters in the future. The March, 2019 Flood caused a large amount of damage to the City of Hornick, to its businesses and residents. This protective berm will protect 225 people, their property, and their livelihood. Along with building this protective berm the City of Hornick has been working with the Little Sioux Drainage District on plans to clean Lateral O Drainage Ditch. Working with Sundquist Engineering we can show that cleaning the Lateral O will improve the flow of water that will allow any future flooding to drain from the surrounding fields much more efficiently and help the City of Hornick during any future floods.

This protective berm will be constructed using all of the class 10 waste from the rebuilding of the City Streets and some contractor provided roadway borrow. With the ability to use the waste from the City Streets reconstruction project to build the protective berm the City of Hornick will not have to pay to have the road debris removed and wasted. The City of Hornick has been in contact with the land owners around the City of Hornick whose farm ground will be affected by building this protective berm. The City has discussed purchasing the ground needed for construction of the protective berm. With the history of flooding to the City of Hornick and the real possibility of it happening again, we feel this protective berm is needed to protect us from future flood damage.

- ii. Map(s) identifying project area.

- a. Flood Map
b. Berm Map

2. a. An estimated cost of the project (detailed budget):

- i. A detailed description of the amount of funds expended to date and the funding source.

The City of Hornick's FY2019 income:

Property Tax-64,000; LOST- 32,000; RUT- 24,500 = \$121,000

Flood 2019 Expense:

Emergency Protective measures, Debris Removal, and Temporary Repairs to Roads =
\$110,000

The City of Hornick is a smaller community with a modest budget. On Average, the City of Hornick receives \$120,000 a year to operate. So far, the City has paid over \$100,000 in 2019 Flood related costs.

Due to our modest income and already very large expense, the City is unable to financially contribute the much needed protective berm project.

3. a. If available: A copy of the application(s) from other funding sources and subsequent approval letter(s).

Not applicable

**STATE OF IOWA
DESIGNATION OF APPLICANT'S AUTHORIZED REPRESENTATIVE**

Scott Mitchell is hereby authorized to execute on behalf of
(Name of Representative)

City of Hornick this mitigation project and to file it with
(Applicant Entity)


Iowa Homeland Security and Emergency Management (HSEMD) for the purpose of obtaining financial assistance under the Flood Mitigation Bill, Senate File 2217.

Signed 9/6/2019
(Date)

Dale Ronfeldt Mayor Pro Tem
Chief Executive Officer
(Print Name and Title)


(Signature)

Scott Mitchell, Mayor
Applicant's Authorized Representative
(Print Name and Title)


(Signature)

Attested: Candi Gross City Clerk
(Print Name and Title)


(Signature)

SUBSTITUTE W 9 / VENDOR UPDATE FORM

(Please print or type except for signature)

In order for the State of Iowa to pay you the amount that is due to you and to comply with the IRS regulations on reporting these payments, we are requesting the following information. Failure to provide this information will result in withholding of payment.

BOX A

Are you/your business:

	YES	NO
Individual [I]	<input type="checkbox"/>	<input checked="" type="checkbox"/>
or Sole Proprietorship [S]	<input type="checkbox"/>	<input checked="" type="checkbox"/>

If the answer to both was no, please complete Box B.

If you answered yes to either item, please provide Your Social Security number:

_____-_____-_____-

AND

Complete the Name and Address below:

Last Name: _____ First Name: _____ MI _____

Doing Business As:

Address:

Address:

City: _____ State _____ Zip _____

BOX B

Is your business:

	YES	NO
Corporation [C]	<input type="checkbox"/>	<input type="checkbox"/>
Partnership [P]	<input type="checkbox"/>	<input type="checkbox"/>
Estate of Trust [E]	<input type="checkbox"/>	<input type="checkbox"/>
Public Service Corp [U]	<input type="checkbox"/>	<input type="checkbox"/>
Government [G]	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other [O]	<input type="checkbox"/>	<input type="checkbox"/>

Please Explain: _____

Please provide us with your

Federal Employer Identification number:

██████████

AND

Complete the Name and Address below:

Last Name: _____ First Name: _____ MI _____
Mitchell Scott

Doing Business As:

City of Hornick

Address:
400 Main Street

Address:

City, State Zip
Hornick, IA 51026

CERTIFICATION MUST BE SIGNED BY VENDOR

Certification - Under penalties of perjury, I certify that:

- (1) The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
- (2) I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividend, or (c) the IRS has notified me that I am no longer subject to backup withholding.

Signature: _____

Date: 9-6-19

FOR OFFICE USE ONLY (Refer to Procedure 270.450 for more details)

From: _____	<input type="checkbox"/> Add
Dept. _____	<input type="checkbox"/> Change
Contact: _____	(Include vendor code and changes only)
Added For Purchasing: _____	<input type="checkbox"/> Delete
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Reason: _____

Minority Impact Statement

Pursuant to 2008 Iowa Acts, HF 2393, Iowa Code Section 8.11, all funding applications submitted to the State of Iowa shall include a Minority Impact Statement. This is the state's mechanism to require applicants to consider the potential impact of the project's proposed programs or policies on minority groups.

Please choose the statement(s) that pertains to this application. Complete all the information requested for the chosen statement(s).

The proposed project programs or policies could have a disproportionate or unique **positive** impact on minority persons.

Describe the positive impact expected from this project

Indicate which group is impacted:

Women

Persons with a Disability

Blacks

Latinos

Asians

Pacific Islanders

American Indians

Alaskan Native Americans

Other

The proposed project programs or policies could have a disproportionate or unique **negative** impact on minority persons.

Describe the negative impact expected from this project

Present the rationale for the existence of the proposed program or policy.

Provide evidence of consultation of representatives of the minority groups impacted.

Indicate which group is impacted:

Women

Persons with a Disability

Blacks

- Latinos
- Asians
- Pacific Islanders
- American Indians
- Alaskan Native Americans
- Other

The proposed project programs or policies are not expected to have a disproportionate or unique impact on minority persons.

Present the rationale for determining no impact.

I hereby certify that the information on this form is complete and accurate, to the best of my knowledge:

Scott Mitchell
Printed Name

Mayor
Title

[Redacted Signature]
Signature

9-16-19
Date

Definitions

"Minority Persons", as defined in Iowa Code Section 8.11, mean individuals who are women, persons with a disability, Blacks, Latinos, Asians or Pacific Islanders, American Indians, and Alaskan Native Americans.

"Disability", as defined in Iowa Code Section 15.102, subsection 5, paragraph "b", subparagraph (1):
b. As used in this subsection:

(1) "Disability" means, with respect to an individual, a physical or mental impairment that substantially limits one or more of the major life activities of the individual, a record of physical or mental impairment that substantially limits one or more of the major life activities of the individual, or being regarded as an individual with a physical or mental impairment that substantially limits one or more of the major life activities of the individual.

"Disability" does not include any of the following:

- (a) Homosexual or bisexuality.
- (b) Transvestism, transsexualism, pedophilia, exhibitionism, voyeurism, gender identity disorders not resulting from physical impairments or other sexual behavior disorders.
- (c) Compulsive gambling, kleptomania, or pyromania
- (d) Psychoactive substance abuse disorders resulting from current illegal use of drugs.

"State Agency", as defined in Iowa Code Section 8.11, means a department, board, bureau, commission, or other agency or authority of the State of Iowa.



SUNDQUIST
ENGINEERING, P.C.

"The Foundation of Excellence"

September 6, 2019

Iowa Flood Mitigation Board
7900 Hickman Road Suite 500
Windsor Heights, IA 50324

RE: PROTECTIVE EARTH BERM AND CLEANING
OF OLD CHANNEL
HORNICK, IA 51026
WOODBURY COUNTY, IOWA

Dear Iowa Flood Mitigation Board;

It is with pleasure that we support an application to the Iowa Flood Mitigation Board on behalf of the City of Hornick, Iowa. During March 14th thru March 18th the City sustained significant damage by rising water predominantly from the West Fork of the Little Sioux River. It is proposed to build an earth berm to surround the city, resulting in a minimized risk for future flood events to the City.

The City of Hornick sits within a very large flood plain on the Missouri River Bottom. Most of the City is within Federal Emergency Management Agency (FEMA) 100-year flood plain. According to FEMA the flood source is the West fork of the Little Sioux River. This was the flood source during the most recent flood event. The River has a drainage area of approximately 400 square miles upstream of 280th street, or when it enters the Missouri River valley. Upstream of the valley, the river flows within its natural channel. Just downstream of 280th street, earth berms have been constructed on both sides of the channel and continue downstream to the outlet into the Missouri River near Little Sioux, Iowa.

Hornick is located approximately 5 miles downstream from 280th street. When the amount of water exceeds the capacity of the channel within the earth berms, the water overtops both sides. The water then proceeds to begin flooding ground and overtopping roadways until it reaches the City of Hornick.

The City of Hornick is unique with regards to its location of drainage. To the West of Hornick is the Garretson Drainage district. To the south of Hornick is the Farmers and Garretson Drainage District, and to the East is the West Fork of the Little Sioux River. Each of these channels have earthen berms rising approximately 15' above the average elevation of the city of Hornick. To the North is the Loess Hills and the flood source.

Therefore during large rain events water is trapped within this larger area and cannot drain out until the flood source or the Farmers and Garretson drainage district water elevation are lower than the land side of the berm.

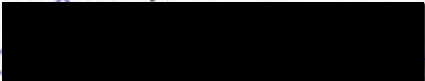
The proposed berm around the city of Hornick has been designed based on the 500-year flood elevation provided by FEMA plus 3 feet. It has also been designed with a widened top to accommodate a trail the City is proposing to construct at a future date. The soil to build the berms will come from the repair of the existing streets within the city of Hornick. This soil has been disturbed numerous times and appears to be adequate for berm construction. In addition to constructing a berm around the city, it is proposed to clean out the old channel to Lateral O of the Farmers and Garretson Ditch.

This ditch drains water from the North of the City of Hornick, thru Hornick and then discharges into Lateral O. Within the City Limits and extending approximately ½ mile South of the city, the channel is in poor condition. This limited drainage adversely impacts landowners and the city. During large rain events water is unable to quickly drain into Lateral O or the Farmers and Garretson Ditch. Also, after a flood, cleaning the lateral will expedite farm ground drainage and any accumulated water within the berm around the City of Hornick.

Also included in this packet is a set of preliminary plans detailing the location of the berm. The berm will surround the East, West, and North sides of the City. To the South is State Highway 141. The elevation of the Highway is 1067.7 ft. During a significant event Highway 141 would be closed and a temporary sand barrier would need to be constructed.

I thank you for the opportunity to submit this letter in support of building a berm surrounding the City of Hornick, Iowa and look forward to your favorable consideration.

Sincerely,


Patrick Mouw

PEM/jll

cc: File – 12919





CLIENT: CITY OF HORNICK
 PREPARED BY: PEM
 S.E. PROJECT NO: 12019-26
 DATE: 09/09/19

HORNICK, IOWA

PROTECTIVE EARTH BERM AND CLEANING OF OLD CHANNEL

ENGINEER'S OPINION OF PROBABLE COST

ITEM NO.	ITEM CODE	ITEM	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
1	2101-0850001	CLEARING AND GRUBBING	ACRE	8	\$ 13,000.00	\$ 104,000.00
2	2102-2710070	EXCAVATION, CLASS 10, ROADWAY AND BORROW	CY	73368.1	\$ 12.00	880,417.20
3	2104-2710020	EXCAVATION, CL. 10. CHANNEL	CY	2700	4.00	10,800.00
4	2105-8425015	TOPSOIL, STRIP, SALVAGE AND SPREAD	CY	14433	11.25	162,371.25
5	2402-2720100	EXCAVATION, CLASS 20, FOR ROADWAY PIPE CULVERT	CY	210	8.00	1,680.00
6	2503-3775024	GATE, OUTLET CONTROL, FLAP, 24 IN.	EACH	1	1,400.00	1,400.00
7	2503-3775060	GATE, OUTLET CONTROL, FLAP, 60 IN.	EACH	4	4,600.00	18,400.00
8	2528-8445110	TRAFFIC CONTROL	LS	1	12,000.00	12,000.00
9	2528-8445113	FLAGGERS	EACH	8	450.00	3,600.00
10	2533-4980005	MOBILIZATION	LS	1	130,000.00	130,000.00
11	2599-9999003	LEVELING OF CLASS 10 CHANNEL	CY	2700	1.00	2,700.00
12	2599-9999009	CULVERT, CORRUGATED METAL ROADWAY PIPE, 24 IN. DIA. RUBBERIZED	LF	112	75.00	8,400.00
13	2599-9999009	CULVERT, CORRUGATED METAL ROADWAY PIPE, 60 IN. DIA. RUBBERIZED	LF	400	245.00	98,000.00
14	2601-2634100	MULCHING	ACRE	25	1,200.00	30,000.00
15	2601-2636044	SEEDING AND FERTILIZING (URBAN)	ACRE	25	1,900.00	47,500.00
16	2602-0000020	SILT FENCE	LF	25438	2.10	53,419.80
17	2602-0010010	MOBILIZATIONS, EROSION CONTROL	EACH	1	500.00	500.00
	SUBTOTAL					\$ 1,565,188.25
	ENGINEERING FEES					190,000.00
	PURCHASE OF R-O-W		ACRE	20	8,000.00	160,000.00
	CONTINGENCY (10%)					156,518.83
	TOTAL					\$ 2,071,707.08