

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

I. Applicant Information

| | | | | | |
|--|-------------------------------|--|-------------------------------|--|-------------|
| A. Applicant/Community Name | | B. Address | | City, State, Zip Code | |
| Vanman Levee District | | 31938 130th Street | | Missouri Valley, IA 51555 | |
| C. Point of Contact (POC) Name for Project | | POC Title | POC Agency | POC Email | |
| Doug Reed | | EMA Director | PCEMA | doug.reed@pottcounty-ia.gov | |
| POC PO Box and Zip Code | POC Street Address | POC City, State, Zip Code | | POC Phone | |
| | 205 S Main Street | Council Bluffs, IA 51503 | | 712-328-5777 | |
| Alternate POC Name or Authorized Representative | | Alt POC Title | Alt POC Agency | Alternate POC Email | |
| Lyle McIntosh | | Disriet Chairman | Vanman Levee Dist. | brkfarmer1@aol.com | |
| Alt POC PO Box and Zip Code | Alt POC Street Address | Alt POC City, State, Zip Code | | Alt POC Phone | |
| | 31938 130th Street | Missouri Valley, IA 51555 | | 402-651-3884 | |
| D. Federal Tax ID # / FEIN | E. County Name | F. US Congressional District(s) | | State Legislative Districts | |
| | Pottawattamie | 3 | | Senate 11 | House 22 |
| G. Is the Applicant/Community participating in the National Flood Insurance Program (NFIP)? | | | Community's CID Number | | |
| County of Pottawattamie | | | 190232# | | |

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 calls for an easement set-back of the existing Vanman Levee within the DeSoto Bend National Wildlife Refuge. (2) large holes with a preliminary temporary repair estimate of \$1.5 million dollars will continue to allow unobstructed Missouri River inflows during highwater and flood level events into the county impacting the agricultural sector, county transportation infrastructure (including critical farm-to-market roads) as well as creating cascading events and effects that ultimately impact closures at or around Interstate 29.

This movement of the levee will place a new levee section at higher elevation, reduce floodwater pinch points, create a larger flood containment area, and expand floodwater drainage capacity while significantly mitigating risk to the levee, property, and critical infrastructure. The project will also contribute to increased public safety by protecting critical transportation routes, such as I-29, by reducing the chances of flood related closures in that area which requires rerouting of Interstate traffic loads to county highway and secondary road systems not designed for those traffic flows which increase the likelihood of transportation incidents and accidents.

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

Many levee and drainage districts in Pottawattamie County are still paying off debt incurred by the 2011 Missouri River flooding. Local funding capacity is not available to make standard repairs, let alone a mitigation project that will decrease the likelihood of future levee failures and inland flooding events. Additionally, the existing holes in the Vanman Levee were originally created by the flooding of 2011 and the district was denied access to their levee by the federal government to fix and maintain that section of levee due to their failure to recognize the legal easements in place when U.S. Fish and Wildlife purchased the land for a federal refuge. Therefore, there is a significant likelihood for denial of FEMA public assistance funding this year to make repairs with mitigation or repairs under an improved project scope of work due to the pre-existing and unmaintained damages. Without this funding it is more than likely that the levee breaches will remain due to a lack of funding and the next high water or even minor flooding event will inundate the northwest sector of the county.

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.

The approval of funding from the FRF is beyond essential for this project. First, and foremost, as the situation caused by access denial of the federal government prior to and after 2011, the damages cannot be solely attributed to this 2019 disaster rendering it ineligible for FEMA assistance, per their program policy. The proposed project in this application will decrease emergency response requirement during future flood events, lessen recovery costs of future flood events, thus mitigating a significant risk to private and public property and critical infrastructure of local, county, and state governments.

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

There are levee damages south of the DeSoto Bend area that can easily be attributed to the FEMA Public Assistance program. Additionally, it is the intent of the district to continue working with FEMA on overcoming the past access denials of the federal government and get all or a portion of this proposed project approved under the public assistance program. Any funding received can be used to offset the award under the FRF and/or be utilized to replenish some of the funding awarded under the FRF.

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

See maps provided as part of this application packet.

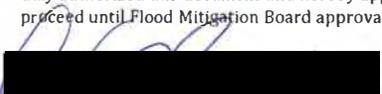
IV. Work Schedule

A. List the major milestones for this project.

| Task | Months/Years from Award | | Responsible Party |
|--------------------------------|-------------------------|------------|---|
| | Start | Complete | |
| Preliminary cost estimates | 8/15/2019 | 8/31/2019 | District engineer |
| Hearings & legal easments | 9/15/2019 | 12/31/2019 | Levee district (lawyer, engineer, EMA, BOS) |
| Final engineering & estimates | 9/15/2019 | 12/31/2019 | District engineer |
| Construction, repairs, maint. | 04/01/2020 | 07/01/2020 | Contractor(s) |
| USACE 404 permitting | 10/01/2019 | 04/01/2020 | USACE / Dist engineer / EMA |
| | | | |
| | | | |
| | | | |
| Total Project Duration: | 11 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
Lyle McIntosh
 Name of the Chief Executive Officer
 District Chairman
 Title
 Vanman Levee District
 Organization
 August 27, 2019
 Date
 402-651-3884
 Phone Number


 Signature of the Authorized Representative
Doug Reed
 Name of Authorized Representative
 Emergency Management Director
 Title
 Pottawattamie County Emergency Management Agency
 Organization
 August 27, 2019
 Date
 205 S Main St
 PO Box / Street Address
 Council Bluffs, IA 51503
 City, State and Zip Code
 712-328-5777
 Phone Number
doug.reed@pottawattamie-county-ia.gov
 Email Address

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

Doug Reed is hereby authorized to execute on behalf of
(Name of Representative)

Vanman Levee District 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 8/27/2019
(Date)

Lyle McIntosh, District Chairman
Chief Executive Officer
(Print Name and Title)


(Signature)

Doug Reed, Emergency Management Director
Applicant's Authorized Representative


(Signature)

Attested: Michell Bose, Emergency Management Specialist
(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 _____
McIntosh Lyle

Doing Business As:
Vanman Levee District

Address:
31938 130th Street

Address:

City, State Zip
Missouri Valley, IA 51555

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: 8/27/2019

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

From: _____ Add

Dept. _____ Change
(Include vendor code and changes only)

Contact: _____ Delete

Added For Purchasing: _____ Reason: _____

Yes No

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.

This project is a water control facility that equally protects all persons within the identified area, regardless of minority status.

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

Doug Reed
Printed Name

Emergency Management Director
Title

[Redacted Signature]
Signature

8/27/2019
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.

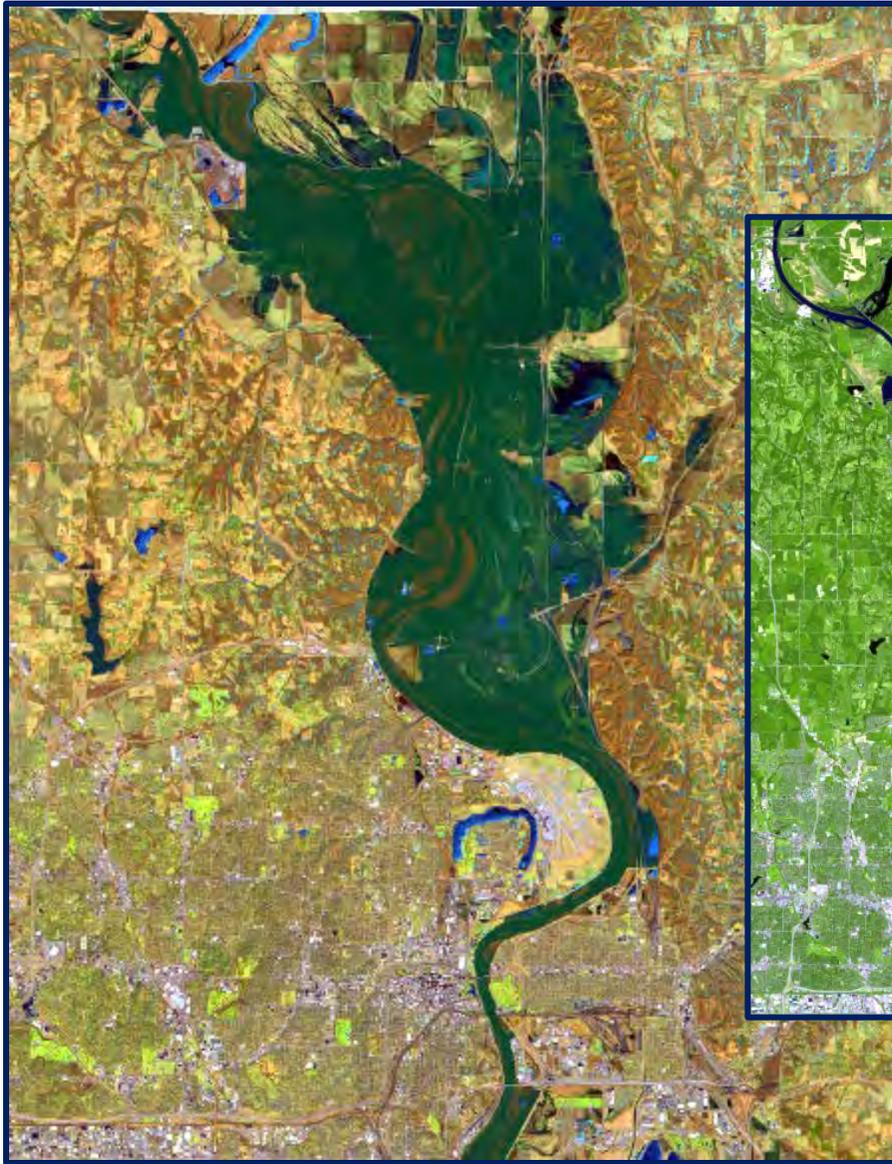
"Disability", as defined in Iowa Code Section 15.102, subsection 5, paragraph "b", subparagraph (1):
b. As used in this subsection:

(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.



SENTINEL Satellite Imagery of Western Pottawattamie County, Iowa Flood Inundation
Left: March 16, 2019 Right: August 28, 2019

FLOOD MITIGATION FUND APPLICATION

Vanman Levee District - Pottawattamie County, Iowa
September 2019 v2

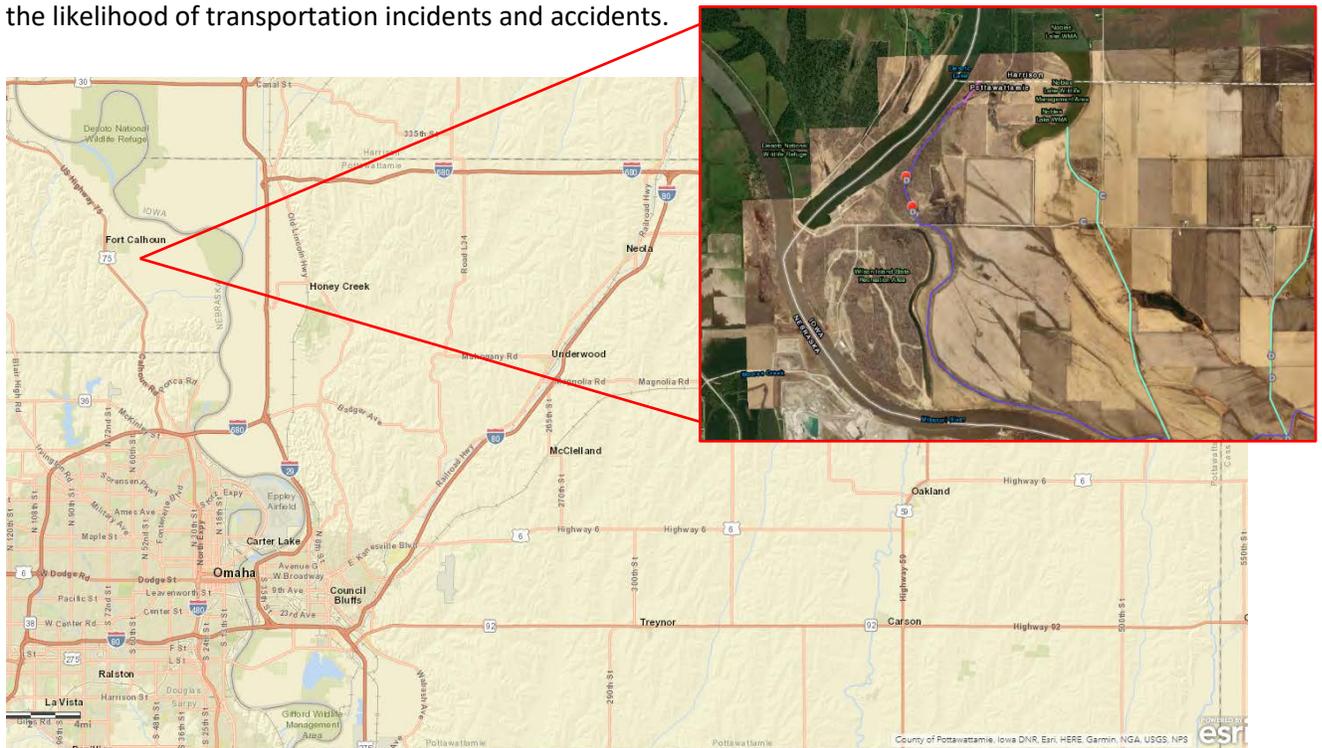


Pottawattamie County Emergency Management
205 S Main St, Council Bluffs, IA 51503

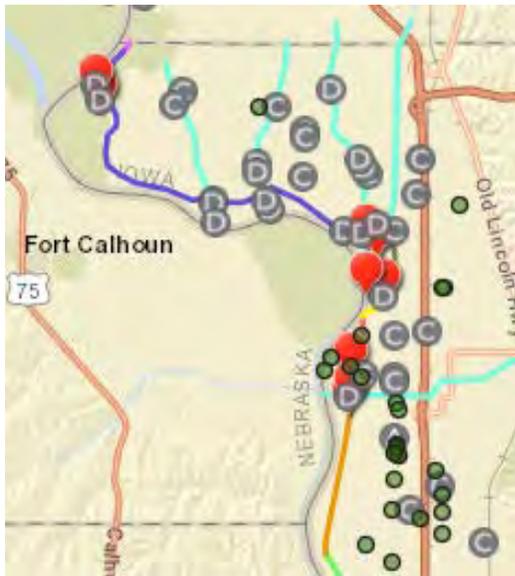
SCOPE of WORK

This project calls for an easement set-back of the existing Vanman Levee within the DeSoto Bend National Wildlife Refuge and construction of a new levee segment of approximately (1) mile. (2) large holes with a preliminary temporary repair estimate of up to \$1.5 million dollars will continue to allow unobstructed Missouri River inflows during high water and flood level events into the county impacting the agricultural sector, county transportation infrastructure (including critical farm-to-market roads) as well as creating cascading events and effects that ultimately impact closures at or around Interstate 29.

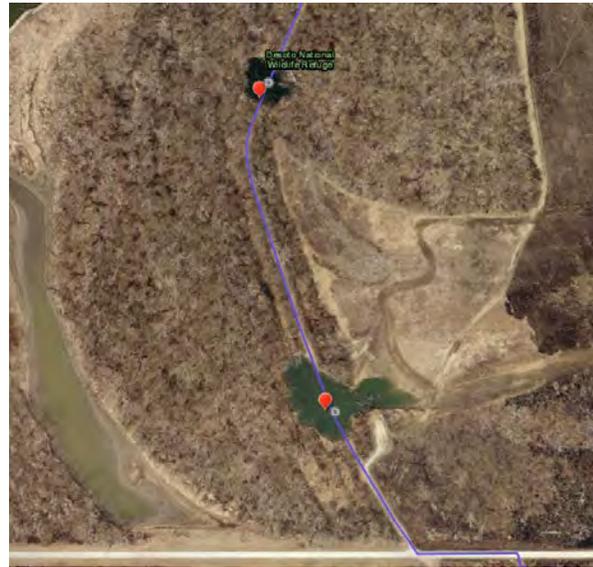
The movement of the levee will place a new levee section at higher elevation, reduce floodwater pinch points, create a larger flood containment area, and expand natural floodwater drainage capacity while significantly mitigating risk to the levee, property, and critical infrastructure. The project will also contribute to increased public safety by protecting critical transportation routes, such as I-29, by reducing the chances of flood related closures in that area which requires rerouting of interstate traffic loads to county highway and secondary road systems not designed for those traffic flows which increase the likelihood of transportation incidents and accidents.



The area of impact sits in the northwest sector of Pottawattamie County, Iowa and in proximity to a federal wildlife refuge, state campground, I-29 and I-680, several farm-to-market roads, railroads, and critical bi-state commuting routes. It also home to a vast area of agricultural land.



Snapshot of area damages impacted by the levee



North breach = 174.5' x 33' / South breach = 336.9' x 33'



- Blue line signifies existing levee section with breaches
- Yellow line signifies proposed mitigation levee section
- Shaded area signifies the new containment/overflow flood capacity of the river and lake
- Shaded area within the refuge is now all NEW natural wetlands viable habitat



This picture identifies the levee and drainage ditch structures with direct or residual benefit from this project regarding flood mitigation. The floodwaters from the existing breaches (as well as another on the Coulthard levee, which is connected to the Vanman) allow water to flow into the NW sector of the county. Although direct inflow may not impact some of the southern structures from the identified damage sites, the inundated area and pressures along with other areas of inflow produce a cascading effect moving north to south.

ESTIMATED COSTS

The engineer for the levee district set an original estimate of approximately \$1,000,000 for plugging the existing breaches, although, it was stated that the depth is unknown as of yet and that there is significant tree and vegetative removal that needs done due to the federal government not allowing access for maintenance over several years.

Upon a site visit by FEMA program development managers with the public assistance program, they estimated repairs to plug the existing breaches at \$1,500,000 inclusive of the tree and vegetative remediation.

The district engineer has indicated that the construction of a new levee segment would be similar in cost, provide easier and quicker access to get work done, and provide mitigation for future events.

The initial discussions and assessment on the proposed project of a new segment has been viewed favorably by personnel from the local management team of U.S. Fish and Wildlife, Vanman Levee District, Emergency Management Agency, County Board of Supervisors, FEMA Mitigation Specialist, and the U.S. Army Corps of Engineers.

Current projected costs include:

- \$194,000 Engineering (based on FEMA sliding scale estimator)
- \$1,500,000 Construction
- \$300,000 New segment tree/vegetative remediation, access development, general levee maintenance and tie-in issues regarding the existing levee
- \$6,000 Legal fees for easements and costs associated with the required approval process

Estimated Project Total = \$2,000,000 (Flood Mitigation Fund)

PROJECT SUMMARY

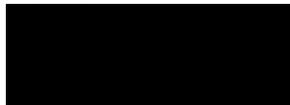
In consideration of the cost, work required and challenges to fix the existing structure (access, environmental conditions, environmental impact in the refuge regarding tree growth, etc.) a mitigation project of constructing a new levee segment will maximize funds allocated and provided some of the most significant flood mitigation benefits achieved to date. At a cost of \$2 million dollars (est.) and the fact that interstate closures in the area alone, cost \$4 million per day, the cost benefit of this project makes sense, even with the levee segment only being a contributing factor to the interstate impacts.

This project is further supported in the Countywide Mitigation Plan's goals and strategies, specifically:

- **Goal 2 – Minimize the potential impact and damages from flooding events.**
 - **Strategy 2.2:** Enhance the efficient flow of storm water throughout the planning area.
 - **Strategy 2.3:** Maintain and improve dam and levee structures.
- **Goal 5 – Minimize the potential impact of infrastructure system disruptions.**
 - **Strategy 5.2:** Maintain and upgrade public infrastructure systems to maximize resilience and redundancy.

On behalf the Vanman Levee District Trustees, Pottawattamie County Board of Supervisors, the Pottawattamie County Emergency Management Commission, and the residents and landowners of the area; I thank you for your work and consideration of this significant project that will improve the lives of our residents, farmers, and commuters within the area.

Respectfully submitted,



Douglas C. Reed

Emergency Management Director
County Homeland Security Advisor
Pottawattamie County, Iowa