

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

I. Applicant Information

A. Applicant/Community Name	B. Address		City, State, Zip Code	
Lorimor Drainage District	10 North Walnut Street	P.O. Box 189	Glenwood, Iowa 51534	
C. Point of Contact (POC) Name for Project	POC Title	POC Agency	POC Email	
Wayne Stouder	Chairperson		stouderwl@gmail.com	
POC PO Box and Zip Code	POC Street Address	POC City, State, Zip Code		POC Phone
51561	61994 195th Street	Pacific Junction, Iowa 51561		(402) 306-5878
Alternate POC Name or Authorized Representative	Alt POC Title	Alt POC Agency		Alternate POC Email
Matthew G. Woods	Attorney/Secretary	Woods, Wyatt & Tucker, PLLC		matt.woods@woodswyattlaw.com
Alt POC PO Box and Zip Code	Alt POC Street Address	Alt POC City, State, Zip Code		Alt POC Phone
P.O. Box 189, 51534	10 North Walnut Street	Glenwood, Iowa 51534		(712) 527-4877
D. Federal Tax ID # / FEIN	E. County Name	F. US Congressional District(s)	State Legislative Districts	
	Mills/Fremont	3	Senate 12	House 23
G. Is the Applicant/Community participating in the National Flood Insurance Program (NFIP)?		Community's CID Number		
No				

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.

Removal of debris from within the District, removal of silt from existing ditches, replacement of missing embankment

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

Due to the amounts of debris, silt, and damaged infrastructure throughout the District, we are requesting funds to help with the improvements.

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.

At this time, the District has not assessed for anything more than a typical years' operation and maintenance costs. The cost of the flood damages greatly outweighs the typical assessment value.

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

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

A copy of the plans for the debris/silt removal has been attached showing locations of the improvements

IV. Work Schedule

A. List the major milestones for this project.

Task	Months/Years from Award			Responsible Party
	Start	Complete		
Debris / Silt Removal	2/15/2020	5/1/2020		Contractor; will be bid
Total Project Duration:	36			

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

Name of the Chief Executive Officer

Title

Organization

Date

Phone Number

Signature of the Authorized Representative

Name of Authorized Representative

Title

Organization

Date

PO Box / Street Address

City, State and Zip Code

Phone Number

Email Address

Project Plan

Applicant: Lorimor Drainage District

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.

Project consists of debris and silt removal along the Lorimor Ditch, construction of a drainage culvert, and embankment repair of flood-damaged areas along the ditch berms. Project will also include the construction of a flood-damaged stormwater pumping station located in the Lorimor Ditch near the L-601 Missouri River Left Bank - Miller-Sturgeon Segment.

ii. Map(s) identifying project area.

See attached maps showing the properties and locational area.

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.

See attached.

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

OLMSTED & PERRY CONSULTING ENGINEERS INC.

10730 PACIFIC STREET SUITE #232 OMAHA, NEBRASKA 68114
2019 FLOOD RECOVERY
LORIMOR DRAINAGE DISTRICT
MILLS COUNTY, IOWA

PROJECT NO. 19098
DATE: 2/3/2020

OPINION OF PROBABLE CONSTRUCTION COSTS

CONCEPT

NO.	BID ITEM DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
PART A					
1	SITE PREPARATION / MOBILIZATION	1.0	LS	\$2,500.00	\$2,500.00
2	DEBRIS REMOVAL	1,000.0	CY	\$20.00	\$20,000.00
TOTAL UNIT PRICE BID - PART A					\$22,500.00
PART B					
3	SITE PREPARATION / MOBILIZATION	1.0	LS	\$2,500.00	\$2,500.00
4	SILT REMOVAL	1,100.0	CY	\$15.00	\$16,500.00
5	INSTALL EMBANKMENT	8,000.0	CY	\$15.00	\$120,000.00
6	CONSTRUCT 30" DIA. CMP CULVERT	35.0	LF	\$100.00	\$3,500.00
7	INSTALL 30" DIA. FLAP GATE	1.0	EA	\$1,500.00	\$1,500.00
8	SURFACE RESTORATION / SEEDING	1.0	LS	\$15,000.00	\$15,000.00
9	TESTING ALLOWANCE	1.0	ALW	\$2,500.00	\$2,500.00
TOTAL UNIT PRICE BID - PART B					\$161,500.00

CONSTRUCTION COST	\$184,000.00
CONTINGENCY @20%	\$36,800.00
TOTAL CONSTRUCTION COST	\$220,800.00
SOFT COSTS @0%	
TOTAL PROJECT COST	\$220,800.00

Items not included:

- 1.
- 2.
- 3.
- 4.
- 5.

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The following opinion of probable project costs has been prepared based on the schematic layouts. The opinion of probable project costs are based on assumptions and no engineering design has been conducted. These are intended to be used as tools for resources and fund allocation by the client. A final opinion of probable project costs will be provided upon completion of engineered construction drawings. The opinion of probable project costs does not reflect unforeseen changes in fuel, oil, pvc, portland cement, steel prices or construction costs.

2019 FLOOD RECOVERY
LORIMOR DRAINAGE DISTRICT

MILLS COUNTY, IOWA
JANUARY 2020

1. DEBRIS REMOVAL FROM DRAINAGE DITCH
2. SILT REMOVAL FROM DRAINAGE DITCH
3. BERM EMBANKMENT REPAIR
4. CONSTRUCTION OF DRAINAGE CULVERT

TRUSTEES

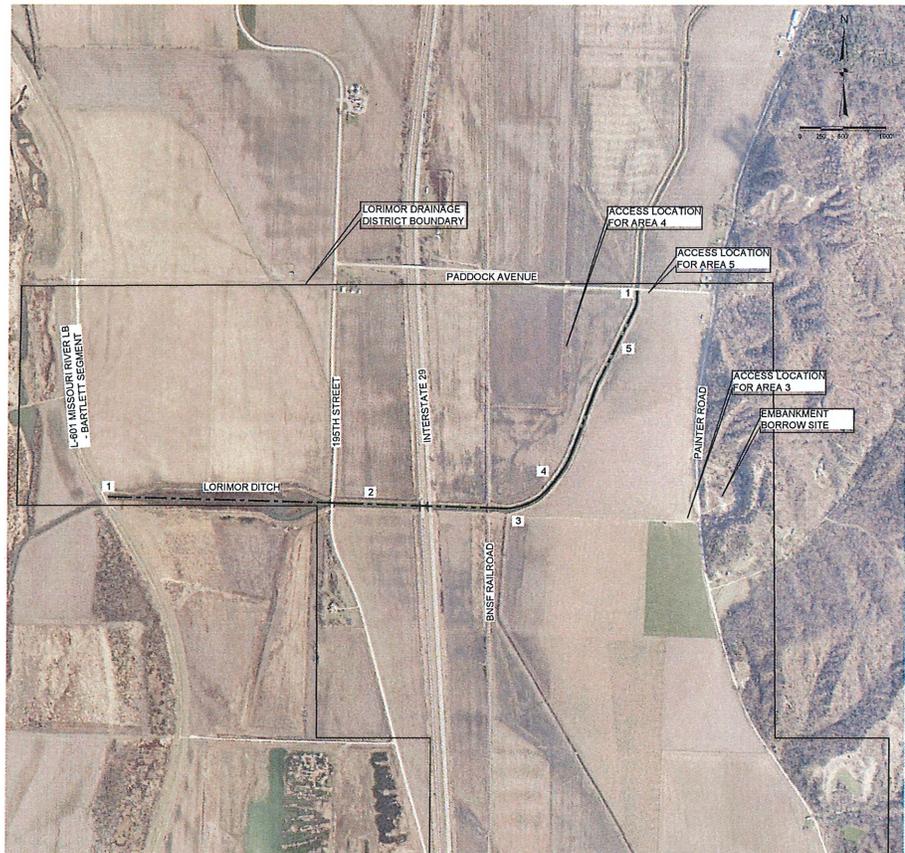
CHRISTOPHER DASHNER, CHAIRPERSON (712) 527-0158
WAYNE STOLDER (402) 306-5878
JERRY MARTIN (712) 880-0057

APPROXIMATE QUANTITIES

ITEM NO.	BID ITEM DESCRIPTION	QUANTITY	UNIT	RECORD QUANTITY
1	SITE PREPARATION / MOBILIZATION	1.0	LS	
2	DEBRIS REMOVAL	1,000.0	CY	
3	SILT REMOVAL	1,100.0	CY	
4	INSTALL EMBANKMENT	8,000.0	CY	
5	CONSTRUCT 30" DIA. CUP CULVERT	35.0	LF	
6	INSTALL 30" DIA. FLAP GATE	1.0	EA	
7	SURFACE RESTORATION / SEEDING	1.0	LS	
8	TESTING ALLOWANCE	1.0	ALW	

UTILITY INFORMATION

EXISTING UTILITIES, UNDERGROUND STRUCTURES AND SERVICES WERE LOCATED FROM EXISTING OWNER RECORDED MAPS AND ONE-CALL DIGGERS WITHOUT PLAIN INDICATIONS MADE IN THE FIELD. THE ENGINEER MAKES NO GUARANTEE THAT THE INDICATED UTILITIES SHOWN CORRELATE ALL UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE ENGINEER FURTHER DOES NOT WARRANT THAT THE INDICATED UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED, ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE. RELOCATION OF ALL UTILITIES AND SERVICES SHOULD BE OBTAINED FROM THE OWNER OF EACH RESPECTIVE UTILITY COMPANY PRIOR TO DESIGN, CONSTRUCTION AND EMBANKMENT.



IMPROVEMENT LOCATION MAP



I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME, OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A FULLY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.
DATE: 1-20-2020
NO. 8542
MY LICENSE EXPIRES ON: DECEMBER 31, 2021
SHEETS COVERED BY THIS SEAL: ALL SHEETS

SET NO. _____

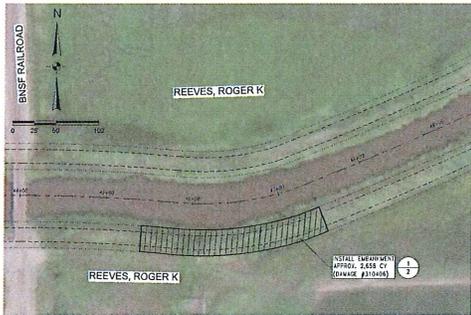
CONSULTING ENGINEERS INC.
19730 PACIFIC STREET
DAMAR, IOWA 52534

2019 FLOOD RECOVERY
LORIMOR DRAINAGE DISTRICT
MILLS COUNTY, IOWA

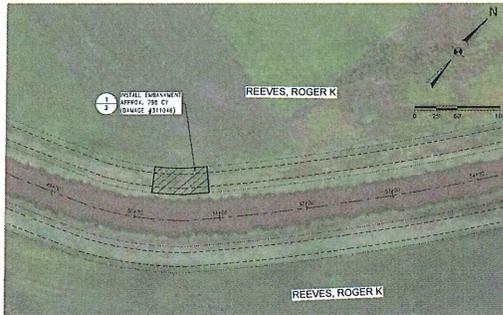
TITLE SHEET
& IMPROVEMENT LOCATION MAP

PROJECT NO. 19098
DATE: JANUARY 2020

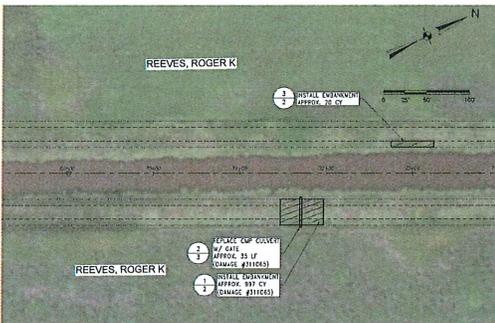
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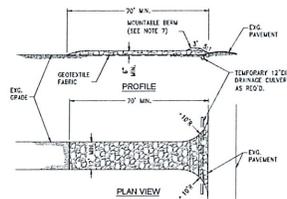
IMPROVEMENT AREA 3
SOUTH BANK OF LORIMOR



IMPROVEMENT AREA 4
NORTH BANK OF LORIMOR



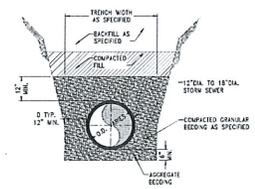
IMPROVEMENT AREA 5
SOUTH BANK OF LORIMOR



CONSTRUCTION SPECIFICATIONS

1. THE AREA SHALL BE ENCASED A MINIMUM OF 3-INCHES AND MUST BE CLEAR OF ALL VEGETATION, POLES, AND OTHER FOREIGN MATERIAL.
2. STONE SIZE - USE 3" STONE. RECLAIMED OR RECYCLED CONCRETE IS NOT ALLOWED.
3. LENGTH - AS REQUIRED, BUT NOT LESS THAN 75 FEET.
4. THICKNESS - NOT LESS THAN SIX (6) INCHES.
5. WIDTH - TWELVE (12) FEET MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE HOLES OR EDGES OCCUR.
6. GEOTEXTILE FABRIC - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO FLAGGING OF STONE. FABRIC WILL NOT BE REQUIRED ON 3' SINGLE LANE ROADWAYS. GEOTEXTILE FABRIC SHALL BE SOIL TO CONTACT C-2000, LEAST 1600 OR APPROVED EQUAL. WEAVING SHOULD MEET CLASS 2, AOS 25-100% REQUIREMENTS.
7. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE RATED ACROSS THE ENTRANCE. IF PAVING IS INFRACTICAL, A MOUNTABLE BEAM WITH DRIVE SIDING WILL BE PERMITTED.
8. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF FLOWING OR STANDING WATER BEHIND OR AHEAD. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH FRESH STONE AS CONDITIONS DEMAND AND REPAIR ANY/OR CLEANOUT OF ANY MATERIALS USED TO TRAP DEBRIS. ALL STORM DRAINAGE OPENINGS OR TRACKS OR TRACKS MUST BE REMOVED IMMEDIATELY.
9. WEAVING - WEAVING SHALL BE OBTAINED TO FORM ENTRANCE PRIOR TO ENTRANCE OVER PUBLIC RIGHTS-OF-WAY. WEAVING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND BENCH STAKES INTO AN APPROVED SIGNIFICANT TRAFFIC SIGNAL.
10. PERIODIC INSPECTION AND MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

1 3 STABILIZED CONSTRUCTION ENTRANCE (SCE)
NO SCALE



NOTE:
1. TRENCH SHALL BE BRACED, SHETTED OR SHORED AS NECESSARY FOR THE SAFETY OF THE WORKMAN & PROTECTION OF OTHER UTILITIES IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL SAFETY REGULATIONS.

2 3 PIPE ENVELOPE - CMP
STORM DRAINAGE CULVERT
NO SCALE

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