

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

I. Applicant Information

A. Applicant/Community Name	B. Address		City, State, Zip Code	
Watkins 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	
Ron Sargent	Chairperson		rsargent@yahoo.com	
POC PO Box and Zip Code	POC Street Address	POC City, State, Zip Code		POC Phone
51534	146 Hickory Ridge Drive	Glenwood, Iowa 51534		(402) 690-2527
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	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 silt and debris, replacement of embankment, crushed rock, rip rap, and other flood impacted improvements throughout the District.

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 removal and replacements	3/15/2020	6/1/2020		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: Watkins 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 removal along the Watkins Drainage Ditch levee, cleanout of sediment from culverts along the ditch, installation of rip rap, and access road and embankment repair of flood-damaged areas along the levee.
 - 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
WATKINS DRAINAGE DISTRICT
MILLS COUNTY, IOWA

PROJECT NO. 19099
DATE: 1/30/2020

OPINION OF PROBABLE CONSTRUCTION COSTS

DRAFT

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	3,474.0	CY	\$20.00	\$69,480.00
TOTAL UNIT PRICE BID - PART A					\$71,980.00
PART B					
3	SITE PREPARATION / MOBILIZATION	1.0	LS	\$2,500.00	\$2,500.00
4	CRUSHED ROCK FOR ACCESS DRIVE	569.0	TON	\$33.00	\$18,777.00
5	INSTALL EMBANKMENT	10,786.0	CY	\$15.00	\$161,790.00
6	INSTALL TYPE 'C' RIP RAP	2,100.0	TON	\$31.00	\$65,100.00
7	CULVERT CLEANOUT	5.0	EA	\$500.00	\$2,500.00
8	SURFACE RESTORATION / SEEDING	1.0	LS	\$6,000.00	\$6,000.00
9	TESTING ALLOWANCE	1.0	ALW	\$5,000.00	\$5,000.00
TOTAL UNIT PRICE BID - PART B					\$261,667.00

CONSTRUCTION COST	\$333,647.00
CONTINGENCY @20%	\$66,729.40
TOTAL CONSTRUCTION COST	\$400,376.40
SOFT COSTS	
TOTAL PROJECT COST	\$400,376.40

Items not included:

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

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

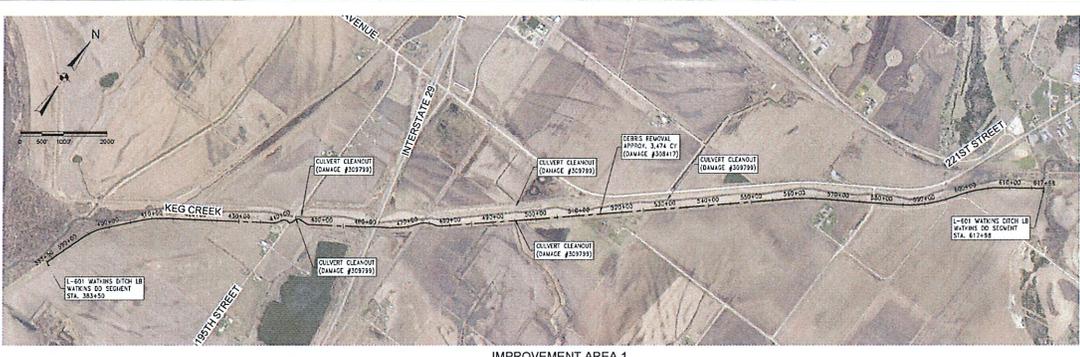
PROJECT NO. 19099
DATE: 1/30/2020

OPINION OF PROBABLE CONSTRUCTION COSTS

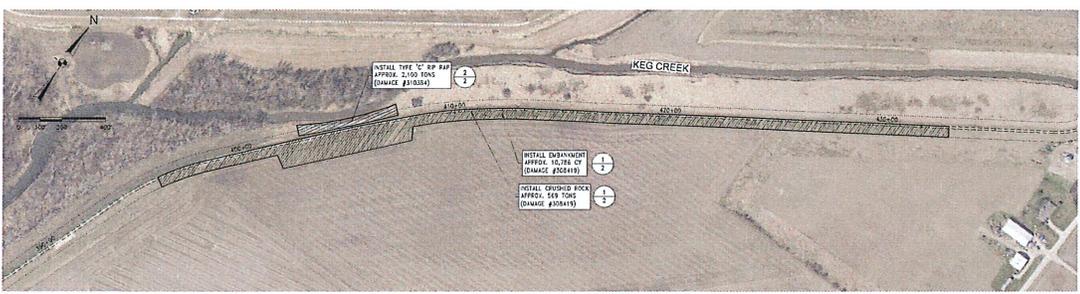
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NO.	BID ITEM DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
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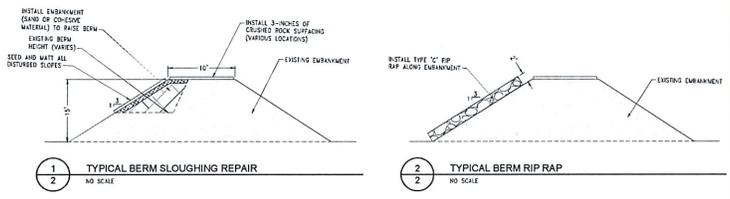
The following opinion of probable project costs has been prepared based on the schematic layouts. The opinion of probable project costs are based on assumptions and no engineering design has been conducted. These are intended to be used as tools for resources and fund allocation by the client. A final 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.



IMPROVEMENT AREA 1
DEBRIS REMOVAL



IMPROVEMENT AREA 2
EMBANKMENT & ACCESS ROAD



GENERAL NOTES

1. THE CONTRACTOR SHALL NOTIFY THE ENGINEER 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
2. NO WORK SHALL BE PERFORMED BETWEEN 7 P.M. AND 7 A.M. ON ANY CIVIL DAY OR SUNDAYS OR HOLIDAYS UNLESS WRITTEN PERMISSION FROM THE ENGINEER.
3. PROVIDE POSITIVE DRAINAGE AT ALL TIMES WITHIN THE CONSTRUCTION AREAS. DO NOT ALLOW WATER TO DRAM OR TO POOL ON PRIVATE PROPERTY.
4. ALL CONSTRUCTION ITEMS CALLED OUT ON THE DRAWINGS AND/OR SPECIFICATIONS, WHICH ARE NOT LISTED ON THE APPROXIMATE QUANTITIES OR BID FORM, SHALL BE CONSIDERED INCIDENTAL CONSTRUCTION (INC).
5. ALL DEBRIS RESULTING FROM CONSTRUCTION OPERATIONS SHALL BE MOVED OFF-SITE AND PROPERLY DISPOSED. DEBRIS SHALL BE DEPOSITED AT THE LEWIS MILLS REGIONAL SANITARY LANDFILL. ALL CLEANING & GROUNDING REMOVAL SHALL BE SUPERVISED DIRECTED BY THE ENGINEER & APPROVED BY THE DISTRICT. DEBRIS REMOVAL INCLUDES WHEAT VEGETATION, WOODY DEBRIS, AND SOME MAN MADE LUMBER. ALL QUANTITIES ARE ESTIMATED.
6. CONTRACTOR SHALL PROVIDE MEASURES TO MINIMIZE DUST CONTROL.
7. PROVIDE SMOOTH GRADE TRANSITIONS BETWEEN VARIOUS SLOPES TO AVOID ABRUPT CHANGES IN GRADE.
8. EXCESS MATERIAL SHALL BE REMOVED FROM THE SITE.
9. THE CONTRACTOR SHALL SEED ALL AREAS DISTURBED BY CONSTRUCTION OPERATIONS AS DIRECTED BY THE ENGINEER AND FOR THE PROJECT MANUAL.
10. EROSION CONTROL BLANKET SHALL BE NORTH AMERICAN GREEN SC-100 OR EQUAL.
11. ALL EMBANKMENT QUANTITIES ARE ESTIMATED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SMOOTH EMBANKMENT MATERIALS TO RETURN BERM TO PREVIOUS ELEVATIONS AND SLOPES.
12. THE CONTRACTOR SHALL BE REQUIRED TO INSTALL A CONSTRUCTION ENTRANCE AT ANY LOCATION WHERE MACHINERY WILL ENTER A TRAVELED ROADWAY. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL STABILIZED CONSTRUCTION ENTRANCE PASSES INTO THE PROJECT SITES (AS NEEDED), AND ALL REMOVAL AND RESTORATION TO EXISTING CONDITIONS.
13. THE BERM SHALL BE FIED BY ONE OF THE FOLLOWING OPTIONS:
A) SAND FILL WITH A CLEAR CAP
B) CONCRETE SOIL THROUGHOUT
14. MILLS COUNTY REQUIRES A \$0.25/CFY FEE FOR ALL MATERIAL WHEATED WITHIN THE COUNTY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INCLUDING THIS FEE IN HIS BID AND FOR PAYMENT TO THE COUNTY.
15. THE CONTRACTOR SHALL DECOMPASE ALL DISTURBED AGRICULTURAL AREAS BY CONSTRUCTION OPERATIONS ACCORDANT WITH A HEAVY DUTY CREEP RIGOR OR CREEP RIGOR AND AS DIRECTED BY THE ENGINEER.
16. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL FILL MATERIAL. ALL BONDWY SITES SHALL BE APPROVED BY THE TRUSTEES AND THE ENGINEER.

OLMSTED & PERRY CONSULTING ENGINEERS INC. 10730 PACIFIC STREET SUITE 232 OMAHA, NEBRASKA	
PROJECT NO: 19099	SHEET NO: 2 of 2
CHECKED BY: JTC	DATE: JANUARY 2020
DRAWN BY: ACN	PROJECT TITLE: 2019 FLOOD RECOVERY WATKINS DRAINAGE DISTRICT MILLS COUNTY, IOWA

DATE: 2/19/2020 11:42 AM DRAWN: JTC/ACN CHECKED: JTC/ACN PROJECT: 19099 SHEET: 2 OF 2