

FLOOD SALES TAX COMMITTEE AGENDA
FOR APRIL 21, 2025—12:30 PM
Commission Room, Cass County Courthouse

12:30 PM Meeting called to order
 Approve minutes of previous meeting—November 18, 2024

1. Flood sales tax fund update
2. Status of previously approved projects
 - a. 2017 Sheldon Addition Ring Levee
 - b. 2022 Maple River Township Slide Repair
 - c. 2022 Elm River Dam 1 and 2
 - d. 2022 Elm River Dam 3 Improvements
 - e. 2023 Rochester/Page Township Slope Erosion Repair
3. Review projects and consider funding
 - a. North Cass Water Resource District-Drain 42 Repair and Rock Chute
 - b. City of Harwood East Side Flood Protection Feasibility Study
4. Other business
5. Adjournment

SUBJECT: COUNTY SALES TAX FOR FLOOD RISK REDUCTION AND RECOVERY
PROJECTS

ADOPTED DATE: DECEMBER 4, 2017

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PURPOSE

The purpose of this policy is to provide guidance for the administration and funding of projects with Cass County Flood Control Sales Tax funds.

GENERAL PROVISIONS

As passed during the 2010 election and extended in the 2016 election, the voters approved the following: The Cass County Home Rule Charter be amended to extend the existing flood-protection-related sales, use, and gross receipts tax of one-half of one percent (1/2%) to be used solely for the engineering, land purchase, construction, and maintenance of flood control measures including the Metro Flood Diversion Project including associated special assessments and indebtedness, through December 31, 2084, and shall be rescinded when all of the costs, obligations, and debt for said project have been paid in full and satisfied, whichever event occurs first as provide in Resolution #2016-20.

Cass County Commission Policy 38.23 outlines Ordinance #2010-2 Amended (Flood Control Sales Tax) which serves as the ordinance for the establishment and regulation of the Cass County Flood Control Sales Tax.

This policy governs expenditures of funds from a one half percent County sales tax that started in 2011 and will end in 2084 to fund flood risk reduction projects. The primary purpose of the sales tax measure is to fund local costs associated with a planned Fargo Moorhead Area Flood Diversion project in either Minnesota or North Dakota. The planned diversion project will not address all flood damage risks in Cass County. Additional measures are necessary to reduce risk to areas within and outside of the diversion perimeter. Sales tax proceeds may also be expended for the Diversion and other flood risk reduction or recovery projects subject to funding availability and approval by the County Commission. The County sales tax proceeds should be used to leverage other sources of funding when possible.

County sales tax funds expended within incorporated cities: The County Commission through the Flood Sales Tax Committee may consider requests for flood risk reduction and recovery funding from cities within Cass County. The city will be responsible for planning and engineering costs associated with the project. Plans and specifications should be prepared by a professional engineer registered within the State of North Dakota. Projects won't be considered if they are strictly for new city development, especially cases where a developer would be shifting their cost to the County Flood Sales Tax. The city should also be able to demonstrate that other revenue sources for the project have been actively sought out. The preferred funding split is that City funds match the County sales tax proceeds on a 1:1 basis. Other funding splits may be considered by the Commission on a case by case basis to allow consideration to be given to unique circumstances and the ability of the City to pay 50% of the local cost share.

SUBJECT: COUNTY SALES TAX FOR FLOOD RISK REDUCTION AND RECOVERY
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ADOPTED DATE: DECEMBER 4, 2017

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County sales tax funds expended outside of incorporated cities: The County Commission, through the Flood Sales Tax Committee, may also consider flood risk reduction and recovery projects recommended by the County Engineer or requested by townships, neighborhood groups, or individuals for areas within and outside of the diversion protected area. Projects won't be considered if they are strictly for new rural development, especially cases where a developer would be shifting their cost to the County Flood Sales Tax. Special assessments may be considered as a local match to County sales tax funds. Funds may be expended for projects that provide benefit to Cass County residents but are physically constructed outside of the County boundaries such as retention projects. Funds may also be spent to assist property owners downstream from the diversion channel in offsetting diversion project impacts.

ADMINISTRATION

The Cass County Commission will organize and appoint members to a Flood Sales Tax Committee. This will be a six-member committee made up of the following members:

1. Two members of the Cass County Commission
2. Cass County Auditor
3. Cass County Administrator
4. Cass County Engineer
5. One member from either the Southeast Cass, Maple River, Rush River, or North Cass Water Resource District.

The Flood Sales Tax Committee will solicit project requests on a bi-annual basis. Meetings to review project requests will generally be held with one meeting in the fall (October-November) and one meeting in the spring (March-April). Requests received from political subdivisions and county staff for cost effective projects will be prioritized and considered for funding by the County Commission as funds available allow.

FUNDING ELIGIBILITY

Entities eligible for funding: Funding should generally be for flood protection for communities or individuals that live outside of the Diversion protected area or those within the Diversion protected area that do not receive a significant benefit from the Diversion. This includes:

1. Cities
2. Townships
3. Water Resource Districts
4. Farmsteads and Homesteads

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Types of projects eligible for funding:

1. Levee construction or recertification for cities or rural subdivisions. Generally levee projects should be constructed to FEMA and/or US Army Corps of Engineer standards and be able to bring the benefited area out of the 1% chance (100 year) floodplain. These levees would also need to be maintained at that standard by either the city or township that is a member of the National Flood Insurance Program. Rural subdivisions seeking this funding would need to complete an agreement with the township and form an assessment district for the long term maintenance of the levee.
2. Flood control projects.
3. Water retention or detention projects.
4. Dam construction or maintenance.
5. Lift Stations for removing storm water from within a levee protected area.
6. Rural Farmstead Ring Levees (in conjunction with the ND State Water Commission 50% cost share) as outlined on the ND State Water Commission website under "Cost Share" at http://www.swc.state.nd.us/project_development/cost_share.html. Generally levee projects should be constructed to FEMA and/or US Army Corps of Engineer standards. However, individual rural farmsteads cannot be "certified" by FEMA or the US Army Corps of Engineers as they not maintained by either a city or township that is a member of the National Flood Insurance Program.
7. Road Projects that provide infrastructure protection to prevent significant future flood damage. These requests may be standalone projects or in conjunction with post-flood damage repair with or without FEMA cost share.
8. Road access (road raises or other infrastructure improvements that will allow access to a city, subdivision, or rural residence/farmstead).
9. Embankment slumping along the Red River, Wild Rice River, Sheyenne River, Maple River, Rush and Lower Rush Rivers, and Legal Drains. River slumping projects may include road and infrastructure repair, home buyouts, and repair to legal drains.
10. Home buyouts for flooding and bank slumping.
11. Flood Recovery projects to include: Levee repair, road repair, bridge repair, and other infrastructure related repair projects. None infrastructure flood recovery such as debris removal and sandbag cleanup will not be eligible.

Cass County Sales Tax Cost Share:

1. Generally the cost share will be 50% of the "local" share of the non-retention projects, i.e. if a \$100,000 project had a 50% state cost share, the local share would be \$50,000 and the County cost share would be \$25,000.
2. Policy for Retention Projects: Cost share is 75% of the "local" share if they are approved by the Red River Joint Water Resource District.
3. Home buyouts for flooding and bank slumping: Cost share is 90% of the "local" cost with the homeowner paying 10% of the "local" cost.

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4. If significant funds are available compared to the project requests, the County may authorize a cost share above 50% for non-retention projects and above 75% for Retention Projects.

PROJECT PRIORITIES

Priority of projects will be based on the following:

1. Population benefited by the project
2. Distribution of funds by location
3. Disbursement percentage determined by the number of people benefited
4. Cost effectiveness of the project
5. Permanency of the project
6. Effect of the diversion on the project
7. Does the project have long-term merit (benefits extend beyond 10 years)
8. Other sources of funding from local, state, or federal cost share programs.

Evaluation Criteria: The County Commission and/or Flood Sales Tax Committee may use some or all of the following criteria in determining funding priorities:

1. Benefit cost ratio
2. Land area benefited
3. Population benefited
4. Downstream flood reduction
5. Total acre-feet of retention storage

HISTORICAL REFERENCE: AUGUST 2, 2010

**FLOOD SALES TAX COMMITTEE
NOVEMBER 18, 2024— 12:30 PM**

1. MEETING TO ORDER

Commissioner Mary Scherling called a meeting of the Flood Sales Tax Committee to order on Monday, November 18th, at 12:30 PM in the Commission Room of the Cass County Courthouse. The following members were present: County Commissioner Duane Breitling, County Administrator Robert Wilson, County Accounting Manager Sarah Heinle, Acting County Engineer Tom Soucy and Southeast Cass Water Resource Manager Rick Steen. Also present was Assistant County Administrator Tracy Peters, County Commissioner Jim Kapitan, County Commissioner Tony Grindberg, Deputy County Engineer Blaine Laaveg, and Assistant County Engineer Kyle Litchy.

2. MINUTES APPROVED

MOTION, passed

Mr. Breitling moved and Mr. Wilson seconded that the minutes of the previous meeting held on April 15, 2024, be approved as written. Motion carried.

3. FLOOD SALES TAX FUND UPDATE

Ms. Heinle said the Flood Sales Tax Fund has \$12,036,991 balance with \$4,557,351 in encumbrances and an \$7,892,607 unencumbered balance.

4. STATUS OF PREVIOUSLY APPROVED PROJECTS

Kurt Lysne with Moore Engineering, Inc. said the Davenport project permits are in place and waiting on the Railroad agreement.

Lyndon Pease with Moore Engineering, Inc. said the Elm River Dam #1 and #2 are nearing completion for the season. He said the Elm River Dam #3 costs for 2025 are coming in higher than projected with lack of contractors.

Brandon Oye with Moore Engineering, Inc. said the Mapleton and Casselton projects are completed for cost-share and the Kindred project will be complete for the full cost-share request.

Mr. Soucy said the Gill Township Road project will be submitted for cost-share over the winter.

Marvin Thorson said the Rochester and Page Township Road had issues with flooding and was dangerous. He said now with the road widening completed and the townships are just waiting on the gravel to be applied. He said more rip rap is needed and an additional application will be submitted for additional funding.

Mr. Soucy said the Rochester and Page Township Road flooding issues have been completed as bid and an additional request for rip rap will be brought to an upcoming meeting.

Brandon Oye with Moore Engineering said the Casselton Industrial Park Improvement project is asking for approval to use the current cost-share funds in a similar arrangement to what the Flood Sales Tax Committee previously approved for the shared flood and storm sewer improvements for the school and existing properties on the north side of town. Mr. Oye would ensure that the funds would only be applied in a manner that benefits the existing Industrial Park properties and is requesting to use 50% cost-share

for the \$1,045,000 amount for the Industrial Park properties, which would be \$522,500 of the approved \$1,000,000 cost-share.

MOTION, passed

Mr. Breitling moved and Mr. Steen seconded to approve clarification on the Casselton Industrial Park Improvement project would be completed as Phase 1 and Phase 2 and return with an amended amount for additional funding, if necessary, from the Flood Sales Tax Committee. Motion carried.

5. REVIEW PROJECTS AND CONSIDER FUNDING

Rush River – Amenia Flood Control

Kurt Lysne with Moore Engineering said the Cass County Joint Water Resource District is respectfully requesting cost share for Conditional Letters of Map Revision (CLOMR) and permitting efforts of the Rush River – Amenia Flood Control project. He said the project is in and around the City of Amenia in Cass County, North Dakota.

Mr. Lysne said the Rush River Regional Conservation Partnership Program (RCPP) watershed planning process was completed and the watershed plan was approved by the Natural Resources Conservation Service (NRCS). He said the final plan resulted in a flood control project to remove the City of Amenia from the 100-year flood plain as the preferred alternative and in 2023, the Cass County Water Resource District received Durable Water Repellent (DWR) and Cass County Flood Sales Tax cost share funding to complete final design. He said the cost includes hydrology and hydraulic analysis, geotechnical analysis, and preparation of final plans and specifications.

Mr. Lysne said the current cost share request is for the CLOMR and permitting efforts and the estimated cost is \$138,000 and the district has requested 60% DWR cost share (\$82,800). He said this does not have a dedicated funding source for the project and the present application respectfully requests 90% of the remaining local share (\$49,680).

MOTION, passed

Mr. Steen moved and Mr. Breitling seconded to approve the cost-share request for the CLOMR and permitting efforts. The estimated cost is \$138,000 and the District has requested 60% DWR cost-share (\$82,800). The District does not have a dedicated funding source for this project and the present application respectfully requests 90% of the remaining local share (\$49,680). Motion carried.

Maple River Low Head Dam Improvements

Mr. Lysne with Moore Engineering said the Maple River Water Resource District is initiating a project to modify ND Dam 227 and an existing low head dam located in Raymond Township, 1.5 miles west of Reile's Acres near where the Maple River discharges into the Sheyenne River. He said this project will modify the dam to reduce the potential public safety risk due to the hydraulic roller effect, which occurs on the downstream side of the dam under the right flow conditions.

Mr. Lysne said the District is working with Moore Engineering Inc. (MEI) to design a rock riffle modification to the dam and MEI will develop the design based on geotechnical evaluations and hydraulic analysis of the structure. He said the estimated total cost for the final design effort is \$273,500 and on October 10th, 2024, the District was approved 75% cost share (\$178,875) from the Department of Water Resources with the remaining local share of \$94,625. He said the District does not have a dedicated funding source for the project and the present application respectfully requests 90% of the local share (\$85,162.50) and upon completion of the plans. He said the District will submit a construction funding request and much

appreciate the willingness to support this project and help mitigate the public dangers associated with low head dams.

Wild Rice Low Head Dam Improvements

Mr. Lysne said the Southeast Cass Water Resource District (WRD) is initiating a project to modify the Wild Rice Dam, an existing low head dam located in Stanley Township, 4 miles east of Horace. He said this project will modify the dam to reduce the potential public safety risk due to the hydraulic roller effect, which occurs on the downstream side of the dam under the right flow conditions.

Mr. Lysne said the District is working with Moore Engineering Inc. (MEI) to design a rock riffle modification to the dam and MEI will develop the design based on geotechnical evaluations and hydraulic analysis of the structure. He said the estimated total cost for the design effort is \$314,500 and on October 10th, 2024, the DWR approved the District's request for 75% cost share (\$209,625). He said the remaining local share is \$104,875 and the District does not have a dedicated funding source for the Project and the present application respectfully requests 90% of the local share (\$94,387.50) and upon completion of the plans, the District will submit a construction funding request and much appreciate the willingness to support this project and help mitigate to public dangers associated with low head dams.

MOTION, passed

Mr. Breitling moved and Mr. Steen seconded to approve combining the Maple River and the Wild Rice Low Head Dam Improvements to work with Moore Engineering Inc. to design a rock riffle modification to the dam and will develop the design based on geotechnical evaluations and hydraulic analysis of the structure as one motion. Motion carried.

6. OTHER BUSINESS

Alexa Ducioame with Moore Engineering addressed Commission Policy Manual 13.72, item #9 and asked about embankment slumping along the Red River, Wild Rice River, Sheyenne River, Maple River, Rush and Lower Rush Rivers, and Legal Drains. River slumping projects may include road and infrastructure repair, home buyouts, and repair to legal drains. Ms. Ducioame asked if these types of projects are eligible for funding.

Mr. Steen said this is an item that would be discussed at a Cass County Commission meeting.

7. ADJOURNMENT

There being no further business, the meeting was adjourned at 1:45 PM.

Minutes prepared by Jodi Miller, HR Assistant

Cass County Sales Tax Activity (420)			
Cash Basis - 2025			
4/17/2025			
Date	Description	Amount	Balance
	Balance Forward		12,095,051.01
2025	Sales Tax	6,181,381.13	18,276,432.14
2025	Interest	248,291.93	18,524,724.07
1/1/2025	County Projects	(201,975.81)	18,322,748.26
1/16/2025	County Projects	(24,835.50)	18,297,912.76
1/16/2025	County Projects	(24,835.50)	18,273,077.26
1/1/2025	Diversion Board of Authority	(2,144,245.49)	16,128,831.77
2/3/2025	County Projects	(7,457.62)	16,121,374.15
1/23/2025	County Projects	(690,220.54)	15,431,153.61
2/25/2025	Diversion Board of Authority	(2,074,609.03)	13,356,544.58
2/21/2025	County Projects	(11,077.42)	13,345,467.16
3/3/2025	County Projects	(10,572.23)	13,334,894.93
3/3/2025	County Projects	(47,836.07)	13,287,058.86
3/14/2025	County Projects	(10,290.86)	13,276,768.00
3/14/2025	County Projects	(5,534.09)	13,271,233.91
3/14/2025	County Projects	(73,125.00)	13,198,108.91
3/14/2025	County Projects	(574,737.23)	12,623,371.68
3/14/2025	County Projects	(16,637.03)	12,606,734.65
3/15/2025	County Projects	(8,431.23)	12,598,303.42
3/20/2025	County Projects	(27,720.00)	12,570,583.42
3/20/2025	County Projects	3,620.56	12,574,203.98
3/20/2025	County Projects	(652.35)	12,573,551.63
3/24/2025	Diversion Board of Authority	(1,591,643.75)	10,981,907.88
4/11/2025	County Projects	(514.59)	10,981,393.29
			10,981,393.29

Reserved for County Projects - Cash	10,981,393.29	
Reserved for Diversion Project	-	10,981,393.29

Summary

Receipts

Transfer	-
Sales Tax Revenue	6,181,381.13
Interest Revenue	248,291.93
Misc Revenue	-
Total Receipts	6,429,673.06

Expenditures

Diversion Board of Authority	(5,810,498.27)
City of Fargo - Cash Flow Other Sources	-
County Projects	(1,732,832.51)
Land Purchase	-
Total Expenditures	(7,543,330.78)

Receipts over/(under) Expenditures (1,113,657.72)

Balance from Prior Year 12,095,051.01

Balance Current Year 10,981,393.29

Current County Projects			
4/17/2025			
Project	Total Approved	Paid	Left to Pay
Closed Projects	\$ 7,437,125.69	\$ 7,437,125.69	\$ -
2017 Sheldon Addition Ring Levee Project 75%	462,750.00	95,842.49	366,907.51
2018 City of Hunter Dam Projects 75%	23,582.80	11,527.09	12,055.71
2020 Davenport Levee 75%	1,425,000.00	574,737.23	850,262.77
2021 Gill Township Road	14,250.00	-	14,250.00
2021 Maple River Township Road	64,970.00	-	64,970.00
2022 Normanna Township Bank Stabilization 90%	187,137.87	-	187,137.87
2022 Elm River Dam 1 and 2 at 2/3-of local share	145,733.00	140,475.35	5,257.65
2022 Gill Township Slide Repair 75%	27,063.00	-	27,063.00
2022 Mapleton Flap Gate - Storm Sewer Outfalls 75%	60,000.00	48,413.93	11,586.07
2022 Reed Township Sheyenne Riverbank Stabilization 50%	8,650.00	7,861.44	788.56
2022 Casselton Lagoon Slide Repair 75%	525,000.00	474,673.05	50,326.95
2023 Rochester/Page Township Slope Erosion Repair 75%	52,500.00	49,671.00	2,829.00
2023 Mapleton 2nd St Storm Lift Station Replacement 75%	870,815.00	752,178.04	118,636.96
2023 Casselton Industrial Park Improvements 2024-3 50%	477,500.00	61,269.27	416,230.73
2023 Kindred Storm Water Detention Pond Project 50%	246,785.00	201,975.81	44,809.19
2024 Rush River Amenia Flood Control 90%	49,680.00	-	49,680.00
2024 MapleRiver Low Head Dam Improvements 90%	85,162.50	-	85,162.50
2024 Wild Rice Low Head Dam Improvements 90%	94,387.50	652.35	93,735.15
Total	\$ 12,258,092.36	\$ 9,856,402.74	\$ 2,401,689.62

Reserve for County Projects Activity

Balance of Cash Carried forward from Prior Year	\$ 12,095,051.01
Current Year Reserves	619,174.79
Total	12,714,225.80
Paid in Current Year	1,732,832.51
Encumbrances	2,401,689.62
Un-encumbered Balance	<u>\$ 8,579,703.67</u>



SENT VIA EMAIL

April 14, 2025

**Cass County
Joint Water
Resource
District**

Ken Lougheed
Chairman
Gardner, North Dakota

Keith Weston
Manager
Fargo, North Dakota

Gerald Melvin
Manager
Buffalo, North Dakota

Jacob Gust
Manager
Fargo, North Dakota

Rick Steen
Manager
Fargo, North Dakota

Melissa Hinkemeyer
Director, Secretary-Treasurer

1201 Main Avenue West
West Fargo, ND 58078-1301

701-298-2381
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wrld@casscountynd.gov
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Tony Grindberg, Chairman
Cass County Commission
211 9th Street South
Fargo, ND, 58103

Greetings:

RE: Sheldon Subdivision Levee – Cost-Share Update
Cass County, North Dakota

The Cass County Joint Water Resource District (the "District") has an existing cost-share agreement with the Cass County Flood Sales Tax Committee for the Sheldon Subdivision Levee, as approved on October 2, 2017. The proposed project includes a ring levee for the 14 homes in the subdivision, which is on the unprotected side of the FM Diversion.

Project costs have increased from the amount approved in 2017. This is due to a combination of factors, including inflation and land values.

An assessment district was approved by the residents of Sheldon Subdivision for \$61,700. Cost-share was approved by the ND State Water Commission in 2018, but not executed until 2024. The Cass County Flood Sales Tax Committee cost-share was approved to provide 75% funding of all items after State Water Commission cost-share, up to a maximum of \$462,750. With the State Water Commission funding in place, the expected maximum Cass County Flood Sales Tax Committee cost-share is approximately \$340,000.

In April of 2024, the District and representatives from the Sheldon Subdivision provided a status update and request for the Cass County Flood Sales Tax committee to increase funding to utilize the cost-share amount approved, rather than being capped at 75% of the local share. The Committee passed the following motion:

Ms. Madrigga asked if the request is to increase the percentage of funding or overall cost? Mr. Lysne said the local assessment district will only cover \$61,700 and any local costs left to pay after that is being requested by the Flood Sales Tax Committee. He said the total local cost share is not yet determined. He said action is not required today, however would help to show support to the residents. He said the

CCJWRD would likely request the Flood Sales Tax Committee hold a special meeting this summer after bids are received. Mr. Olson said the request is to increase the percentage of funding, not the funding amount.

MOTION, passed

Ms. Madrigga moved and Mr. Soucy seconded to support an increase in funding for the 2017 Sheldon Addition Ring Levee project. Motion carried.

Since this motion, the District has completed final design and is finalizing permits. The project has been bid, and prices came in approximately 20% below the Engineer's Estimate of Probable Cost.

The District respectfully requests participation from the Cass County Flood Sales Tax Committee for local costs above the voted upon assessment district amount (\$61,700), but not to exceed the maximum approved amount of \$462,750. The anticipated maximum amount from the Cass County Flood Sales Tax is less than \$400,000. We will present the enclosed cost information during the meeting on April 21st and look forward to the discussion.

We are very thankful for the support from the Cass County Flood Sales Tax Committee and look forward to continued partnership.

Sincerely,

CASS COUNTY JOINT WATER RESOURCE DISTRICT



Melissa Hinkemeyer
Director, Secretary

**Sheldon Subdivision Ring Levee
Cass County Water Resource District
Cass County, North Dakota**

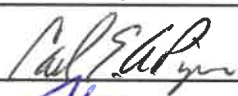
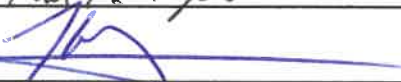
Non-Certified Levee

Engineer's Opinion of Probable Cost

							FUNDING SOURCES		
		ITEM	UNIT	QUANTITY	UNIT PRICE	TOTAL	NDSWC 60%	Cass County - 75%	LOCAL
1.	012000	Mobilization	LS	1	\$31,695.00	\$31,695.00	\$19,017.00	\$9,508.50	\$3,169.50
2.	014000	Material Testing	Allowance	1	\$10,000.00	\$10,000.00	\$6,000.00	\$3,000.00	\$1,000.00
3.	024200	Remove Asphalt Pavement	SF	685	\$9.85	\$6,747.25	\$4,048.35	\$2,024.18	\$674.73
4.	024200	Remove - Culvert (All Types and Sizes)	LF	129	\$18.95	\$2,444.55	\$1,466.73	\$733.37	\$244.46
5.	024200	Remove FES - 30"	EA	4	\$350.00	\$1,400.00	\$840.00	\$420.00	\$140.00
6.	024200	Aggregate - Salvage and Reinstall	SY	2,200	\$6.65	\$14,630.00	\$8,778.00	\$4,389.00	\$1,463.00
7.	311100	Site Clearing	LS	1	\$5,500.00	\$5,500.00	\$3,300.00	\$1,650.00	\$550.00
8.	312213	Topsoil Stripping	CY	12,665	\$1.55	\$19,630.75	\$11,778.45	\$5,889.23	\$1,963.08
9.	312213	Topsoil Spreading	CY	12,665	\$1.96	\$24,823.40	\$14,894.04	\$7,447.02	\$2,482.34
10.	312316	Excavation	CY	1,480	\$2.85	\$4,218.00	\$2,530.80	\$1,265.40	\$421.80
11.	312316	Excavation - Inspection Trench	LF	2,975	\$6.75	\$20,081.25	\$12,048.75	\$6,024.38	\$2,008.13
12.	312213	Embankment	CY	11,630	\$6.25	\$72,687.50	\$43,612.50	\$21,806.25	\$7,268.75
13.	312213	Dewatering	LS	1	\$3,500.00	\$3,500.00	\$2,100.00	\$1,050.00	\$350.00
14.	312500	Stormwater Management	LS	1.0	\$2,800.00	\$2,800.00	\$1,680.00	\$840.00	\$280.00
15.	312500	Sedimentation Control Wattle - 9"	LF	200	\$3.15	\$630.00	\$378.00	\$189.00	\$63.00
16.	312500	Silt Fence	LF	3215	\$1.85	\$5,947.75	\$3,568.65	\$1,784.33	\$594.78
17.	312500	Stabilized Construction Entrance	EA	2	\$1,800.00	\$3,600.00	\$2,160.00	\$1,080.00	\$360.00
18.	321123	Geotextile Fabric	SY	2160	\$2.95	\$6,372.00	\$3,823.20	\$1,911.60	\$637.20
19.	321123	Road Surface Aggregate	CY	120	\$32.91	\$3,949.20	\$2,369.52	\$1,184.76	\$394.92
20.	321216	Asphalt Paving - 6"	SY	80	\$138.00	\$11,040.00	\$6,624.00	\$3,312.00	\$1,104.00
21.	329219	Seeding - Type III	Acre	8	\$990.00	\$7,920.00	\$4,752.00	\$2,376.00	\$792.00
22.	334213.13	Storm Sewer - 24" RCP	LF	232	\$165.00	\$38,280.00	\$22,968.00	\$11,484.00	\$3,828.00
23.	334213.13	Storm Sewer - 30" CSP	LF	24	\$225.00	\$5,400.00	\$3,240.00	\$1,620.00	\$540.00
24.	334213.13	Flared End Section - 24" RCP	EA	8	\$1,205.00	\$9,640.00	\$5,784.00	\$2,892.00	\$964.00
25.	334213.13	Slide Gate - 24"	EA	6	\$7,650.00	\$45,900.00	\$27,540.00	\$13,770.00	\$4,590.00
26.	334213.13	Slide Gate - 30"	EA	4	\$8,890.00	\$35,560.00	\$21,336.00	\$10,668.00	\$3,556.00
27.	Detail	Sign Post	EA	2	\$205.00	\$410.00	\$246.00	\$123.00	\$41.00
28.	Detail	Signing - Standard	SF	10	\$12.85	\$128.50	\$77.10	\$38.55	\$12.85
Total Construction							\$394,935.15	\$236,961.09	\$39,493.52
Project Development							\$30,482.00	\$0.00	\$7,620.50
Engineering (Design, Permitting, ROW)							\$140,000.00	\$0.00	\$35,000.00
Engineering - Construction							\$60,000.00	\$36,000.00	\$6,000.00
Contingencies (10%)							\$39,493.52	\$23,696.11	\$3,949.35
Legal Fees							\$10,000.00	\$0.00	\$2,500.00
Administration Fees							\$2,500.00	\$1,500.00	\$250.00
Right-of-Way Land Acquisition							\$50,000.00	\$0.00	\$12,500.00
Utility Company Relocations							\$60,000.00	\$36,000.00	\$6,000.00
Utility Relocation Administration							\$2,000.00	\$1,200.00	\$200.00
Fiscal							\$1,000.00	\$600.00	\$100.00
TOTAL PROJECT COST							\$790,410.67	\$335,957.20	\$113,613.37
Max approved							\$370,200.00	\$462,750.00	\$61,700.00
Difference							\$34,242.80	\$121,909.90	(\$51,913.37)



Application for Funding from the Cass County Flood Sales Tax
Committee

Project Name:	46 th St. Maple River Twp Construction				
Date:	3/21/2025				
Funding Requested:	\$5,617.50	Cost Share %	<input type="radio"/> 50%	<input checked="" type="radio"/> 75%	<input type="radio"/> 90%
Location (Provide a brief description):	Township Rd - 46 th St. NE 1/4 26-138-52				
Name of Owner(s)/Applicant	Maple River Twp.	Engineer Name			
Owner(s)/Applicants Address	C/O Carl Piper - Treas. 15613 46 th St. SE	Engineer Firm Name	Cass County		
Owner(s)/Applicants Email	Davenport, ND 58021 piperlandresources@gmail.com	Engineer Email			
Owner(s) Phone Number	701-866-2625	Engineer Phone Number			
Owner/Applicant's Signature			Date:	3/18/2025	
Representative's Signature			Date:	4/1/25	

Proposal: Brief Narrative Description of Reason(s) for Application

Original estimate for moving 46th St. was \$60,000-. We, Maple River Twp., was granted cost share of \$45,000-. Total actual cost came to \$67,490. Attached are a copy of the invoice for construction and canceled checks for land purchase.

Maple River township is requesting cost share on the difference of \$7,490.

Breakdown of Project Funding		\$ Dollar Amount
Total Project Cost		\$ 67,490 ⁰⁰
Additional Funding Source #1 (Name)		\$
Additional Funding Source #2 (Name)		\$
Additional Funding Source #3 (Name)		\$
Additional Funding Source #4 (Name)		\$
Local Project Cost (Total Cost – Additional Funding)		\$ 67,490 ⁰⁰
Flood Sales Tax Requested Amount		5,617 ⁵⁰
Applicant/Requesting Entity Cost		

Application and Funding Eligibility

(see criteria in the Cass County Policy 13.72 Amended County Sales Tax For Flood Risk Reduction and Recovery Projects Adopted December 4, 2017 at www.casscountynynd.gov/floodsalestaxcommittee)

Describe why you are an Eligible Entity: (County, City, Township, Water Resource District, or Home/Landowner)

Township

Project Eligibility: (Outline what provision of the Policy provides eligibility to fund this project based on the criteria listed below)

<input type="checkbox"/>	1. Levee construction or recertification for cities or rural subdivisions. Generally levee projects should be constructed to FEMA and/or US Army Corps of Engineer standards and be able to bring the benefited area out of the 1% chance (100 year) floodplain. These levees would also need to be maintained at that standard by either the city or township that is a member of the National Flood Insurance Program. Rural subdivisions seeking this funding would need to complete an agreement with the township and form an assessment district for the long term maintenance of the levee.
<input type="checkbox"/>	2. Flood control projects.
<input type="checkbox"/>	3. Water retention or detention projects.
<input type="checkbox"/>	4. Dam construction or maintenance.
<input type="checkbox"/>	5. Lift Stations for removing storm water from within a levee protected area.
<input type="checkbox"/>	6. Rural Farmstead Ring Levees (in conjunction with the ND State Water Commission 50% cost share) as outlined on the ND State Water Commission website under "Cost Share"
<input checked="" type="checkbox"/>	7. Road Projects that provide infrastructure protection to prevent significant future flood damage. These requests may be standalone projects or in conjunction with post-flood damage repair with or without FEMA cost share.
<input checked="" type="checkbox"/>	8. Road access (road raises or other infrastructure improvements that will allow access to a city, subdivision, or rural residence/farmstead).
<input checked="" type="checkbox"/>	9. Embankment slumping along the Red River, Wild Rice River, Sheyenne River, Maple River, Rush and Lower Rush Rivers, and Legal Drains. River slumping projects may include road and infrastructure repair, home buyouts, and repair to legal drains.
<input type="checkbox"/>	10. Home buyouts for flooding and bank slumping.
<input type="checkbox"/>	11. Flood Recovery projects to include: Levee repair, road repair, bridge repair, and other infrastructure related repair projects. None infrastructure flood recovery such as debris removal and sandbag cleanup will not be eligible.

Cost Share Eligibility: (What % of cost share and provision of the Policy provides cost share % eligible for this project)

This project meets the funding cost share eligibility of 75 % based which of the following criteria (select all that apply):

<input type="checkbox"/>	1. Generally the cost share will be 50% of the "local" share of the non-retention projects, i.e. if a \$100,000 project had a 50% state cost share, the local share would be \$50,000 and the County
<input checked="" type="checkbox"/>	2. Policy for Retention Projects: Cost share is 75% of the "local" share if they are approved by the Red River Joint Water Resource District.
<input type="checkbox"/>	3. Home buyouts for flooding and bank slumping: Cost share is 90% of the "local" cost with the homeowner paying 10% of the "local" cost.

Project Priority: (Explain any provisions of the Policy that provides a higher priority for this project)

This project should be a higher priority based on the following criteria (select all that apply and provide a narrative on why the criteria applies):

<input checked="" type="checkbox"/>	1. Population benefited by the project
<input type="checkbox"/>	2. Distribution of funds by location
<input type="checkbox"/>	3. Disbursement percentage determined by the number of people benefited
<input type="checkbox"/>	4. Cost effectiveness of the project
<input type="checkbox"/>	5. Permanency of the project
<input type="checkbox"/>	6. Effect of the diversion on the project
<input checked="" type="checkbox"/>	7. Does the project have long-term merit (benefits extend beyond 10 years)
<input type="checkbox"/>	8. Other sources of funding from local, state, or federal cost share programs.

--

Evaluation Criteria: (Describe any specific Evaluation Criteria used to prioritize funding of this project)

This project should be a higher priority based on the following criteria (select all that apply and provide a narrative on why the criteria applies):

<input type="checkbox"/>	1. Benefit cost ratio
<input checked="" type="checkbox"/>	2. Land area benefited
<input checked="" type="checkbox"/>	3. Population benefited
<input type="checkbox"/>	4. Downstream flood reduction
<input type="checkbox"/>	5. Total acre-feet of retention storage

Attachments

<input type="checkbox"/>	1. Funding Request Memo from the Project Owner With Suggested Motion
<input type="checkbox"/>	2. Location Map

MAPLE RIVER TOWNSHIP
15613 46TH ST. SE
DAVENPORT, ND 58021

77-504/13 1026

DATE 9/16/2024

PAY TO THE ORDER OF Teresa Buntrock \$4,250⁰⁰
Four thousand two hundred fifty and 00/100 DOLLARS

BANKNORTH
NELL'S BANK & TRUST
www.banknorth.com

MEMO Land Row Cal R. Rupp

⑆091305044⑆ 2227049⑆ 01026

BankNorth
>091305044<
9/18/2024

Teresa Buntrock

MAPLE RIVER TOWNSHIP
15613 46TH ST. SE
DAVENPORT, ND 58021

77-504/13 1025

DATE 9/16/2024

PAY TO THE ORDER OF Marsha Rait \$4,250⁰⁰
Four thousand two hundred fifty and 00/100 DOLLARS

BANKNORTH
NELL'S BANK & TRUST
www.banknorth.com

MEMO Land Row Cal R. Rupp

⑆091305044⑆ 2227049⑆ 01025

Marsha Rait

MAPLE RIVER TOWNSHIP
15613 46TH ST. SE
DAVENPORT, ND 58021

77-504/13 1024

DATE 9/16/2024

PAY TO THE ORDER OF Denise Hagen \$4,250⁰⁰
Four thousand two hundred fifty and 00/100 DOLLARS

BANKNORTH
NELL'S BANK & TRUST
www.banknorth.com

MEMO Land Row Cal R. Rupp

⑆091305044⑆ 2227049⑆ 01024

09182024 03:14 PM CDT 002501701

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☐ CREDITED TO THE ACCOUNT OF
The Within Named Payee
US Bank National Association
CITY OF DAVENPORT, ND 58001
DO NOT WRITE STAMPS OR SIGN BELOW THIS LINE
NEEDLE-HOLE MARKED HERE FOR MICR

☐ CHECK HERE FOR DEPOSIT ONLY
FARGO, ND 58103
DATE

ENCLOSURE HERE

GLACIER ENTERPRISES, LLC
PO Box 189
Horace, ND 58047

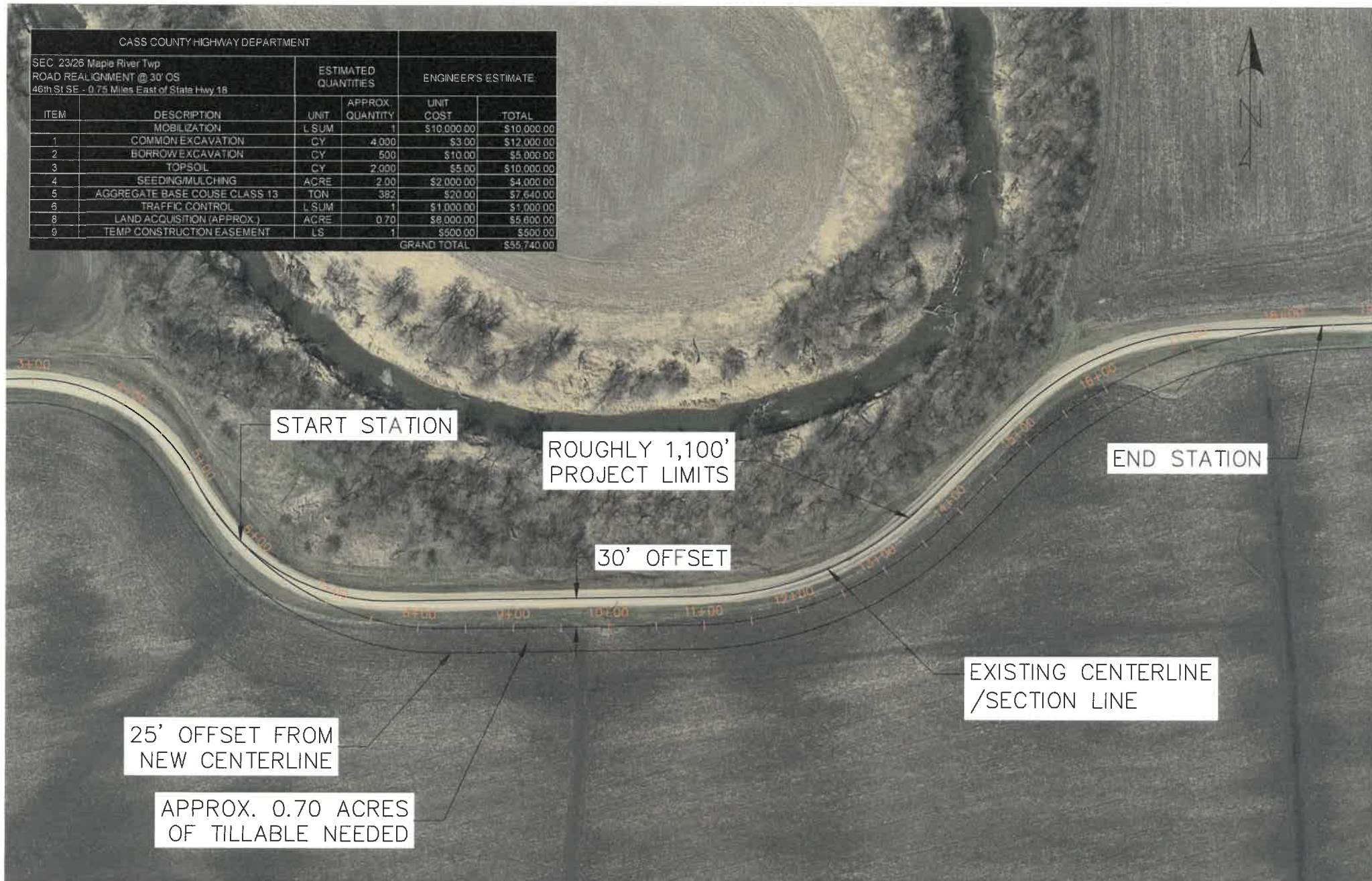
Invoice

Invoice #: 3657
Invoice Date: 10/1/2024
Due Date: 10/16/2024
Project:
P.O. Number:

Bill To:
Maple River township.
Attn: Carl Piper
15613 46th ST SE
Davenport, ND 58021

Description	Hours/Qty	U/M	Rate	Amount
Slide repair and realignment at 46th ST SE between sections 23/26			54,740.00	54,740.00
Sales Tax			0.00%	0.00
			Total	\$54,740.00
			Payments/Credits	\$0.00
			Balance Due	\$54,740.00

CASS COUNTY HIGHWAY DEPARTMENT					
SEC. 23/26 Maple River Twp ROAD REALIGNMENT @ 30' OS 46th St SE - 0.75 Miles East of State Hwy 16			ESTIMATED QUANTITIES	ENGINEER'S ESTIMATE	
ITEM	DESCRIPTION	UNIT	APPROX. QUANTITY	UNIT COST	TOTAL
	MOBILIZATION	L SUM	1	\$10,000.00	\$10,000.00
1	COMMON EXCAVATION	CY	4,000	\$3.00	\$12,000.00
2	BORROW EXCAVATION	CY	500	\$10.00	\$5,000.00
3	TOPSOIL	CY	2,000	\$5.00	\$10,000.00
4	SEEDING/MULCHING	ACRE	2.00	\$2,000.00	\$4,000.00
5	AGGREGATE BASE COURSE CLASS 13	TON	382	\$20.00	\$7,640.00
6	TRAFFIC CONTROL	L SUM	1	\$1,000.00	\$1,000.00
8	LAND ACQUISITION (APPROX.)	ACRE	0.70	\$8,000.00	\$5,600.00
9	TEMP CONSTRUCTION EASEMENT	LS	1	\$500.00	\$500.00
GRAND TOTAL					\$55,740.00



From: Marvin Thorson <Marvin.Thorson@hotmail.com>

Sent: Friday, March 14, 2025 2:12 PM

To: Soucy, Tom <SoucyT@casscountynynd.gov>

Subject: Rochester/Page Flood Tax Application

The Rochester and Page Townships would like to submit an application to the Flood Tax Committee requesting funds to complete a project from 2024. We estimate the amount needed to finish the rip rap will be \$30,000.00. If the Committee would approve a 75/25% cost share like last year's, the County share would be \$22,500.00. The reason for the additional amount requested is because the rip rap did not go as far as we originally thought. It took more rock than was estimated. The rip rap that was laid down was done at an appropriate level so this additional amount will be for the sections of the road that have no rip rap at all. It looks to me that the rip rap is a crucial component to a permanent fix to the road.

Thank you.

Marvin Thorson

Rochester Township/Page Township



April 14, 2025

**North Cass
Water Resource
District**

Ken Lougheed
Chairman
Gardner, North Dakota

Robert Thompson
Manager
Page, North Dakota

Jay Colwell
Manager
Gardner, North Dakota

Tony Grindberg, Chairman
Cass County Commission
211 9th Street South
Fargo, ND 58103

Greetings:

RE: Drain No. 42 Slide Repair and Rock Chute
Noble Township, Cass County, North Dakota

The North Cass Water Resource District (District) is initiating a project to repair a portion of the outlet of Cass County Drain No. 42 and the road crossing at County Road 31. The proposed improvements would occur in the NW 1/4 of Section 1 in Noble Township. Drain No. 42 is a legal drain that was constructed by the SCS in 1967 and has not been reconstructed since. The outlet into the Red River is experiencing significant erosion with channel bank slides and sloughing caused partly by backwater flooding from the Red River. The erosion is impacting the adjacent landowners and the headcutting is threatening the County Road 31 culvert crossing.

The project will excavate eroded soils, reshape and grade the channel banks within 200 feet of the County Road 31 crossing, and install a grade control rock chute at the culvert outfall of the County Road 31 crossing. The District is working with Moore Engineering Inc. to perform design, permitting, and right of way acquisition. The estimated total cost for these items is \$25,608. The District spent \$3,000 to cover preconstruction costs before grant applications were reviewed and approved. In February 2025, the Department of Water Resources approved the District's request for 45% cost share for preliminary design and permitting costs, not to exceed \$5,448. The remaining local share for preconstruction items is \$17,159. The District is respectfully requesting cost share assistance for 90% of the local costs, or \$15,443.

Melissa Hinkemeyer
Director, Secretary-Treasurer

1201 Main Avenue West
West Fargo, ND 58078-1301

701-298-2381
FAX 701-298-2397
wrld@casscountynynd.gov
www.casscountynynd.gov

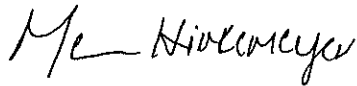
Upon completion of the plans, the District will submit a construction funding request. We appreciate your willingness to support the District's efforts to

address drainage channel erosion and associated impacts to private landowners and public roadways. If you have any questions, please feel free to contact me or our project engineer, Alexa Ducioame, Moore Engineering Inc., at alexa.ducioame@mooreengineeringinc.com or (701) 551-1020.

Suggested motion: Approve the North Cass Water Resource District's request for 90% local cost share for the design, permitting, and right of way acquisition of the Drain No. 42 Slide Repair and Rock Chute Project, in an amount not to exceed \$15,443.

Sincerely,

NORTH CASS WATER RESOURCE DISTRICT

A handwritten signature in cursive script, appearing to read 'Mel Hinkemeyer'.

Melissa Hinkemeyer
Director, Secretary



Application for Funding from the Cass County Flood Sales Tax Committee

Project Name:					
Date:					
Funding Requested:		Cost Share %	50%	75%	90%
Location (Provide a brief discription):					
Name of Owner(s)/Applicant		Engineer Name			
Owner(s)/Applicants Address		Engineer Firm Name			
Owner(s)/Applicants Email		Engineer Email			
Owner(s) Phone Number		Engineer Phone Number			
Owner/Applicant's Signature			Date:		
Representative's Signature			Date:		

Proposal: Brief Narrative Description of Reason(s) for Application

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Breakdown of Project Funding		\$ Dollar Amount
Total Project Cost		\$
Additional Funding Source #1 (Name)		\$
Additional Funding Source #2 (Name)		\$
Additional Funding Source #3 (Name)		\$
Additional Funding Source #4 (Name)		\$
Local Project Cost (Total Cost – Additional Funding)		\$
Flood Sales Tax Requested Amount		
Applicant/Requesting Entity Cost		

Application and Funding Eligibility

(see criteria in the Cass County Policy 13.72 Amended County Sales Tax For Flood Risk Reduction and Recovery Projects Adopted December 4, 2017 at www.casscountynynd.gov/floodsalestaxcommittee)

Describe why you are an Eligible Entity: (County, City, Township, Water Resource District, or Home/Landowner)

--

Project Eligibility: (Outline what provision of the Policy provides eligibility to fund this project based on the criteria listed below)

	1. Levee construction or recertification for cities or rural subdivisions. Generally levee projects should be constructed to FEMA and/or US Army Corps of Engineer standards and be able to bring the benefited area out of the 1% chance (100 year) floodplain. These levees would also need to be maintained at that standard by either the city or township that is a member of the National Flood Insurance Program. Rural subdivisions seeking this funding would need to complete an agreement with the township and form an assessment district for the long term maintenance of the levee.
	2. Flood control projects.
	3. Water retention or detention projects.
	4. Dam construction or maintenance.
	5. Lift Stations for removing storm water from within a levee protected area.
	6. Rural Farmstead Ring Levees (in conjunction with the ND State Water Commission 50% cost share) as outlined on the ND State Water Commission website under "Cost Share"
	7. Road Projects that provide infrastructure protection to prevent significant future flood damage. These requests may be standalone projects or in conjunction with post-flood damage repair with or without FEMA cost share.
	8. Road access (road raises or other infrastructure improvements that will allow access to a city, subdivision, or rural residence/farmstead).
	9. Embankment slumping along the Red River, Wild Rice River, Sheyenne River, Maple River, Rush and Lower Rush Rivers, and Legal Drains. River slumping projects may include road and infrastructure repair, home buyouts, and repair to legal drains.
	10. Home buyouts for flooding and bank slumping.
	11. Flood Recovery projects to include: Levee repair, road repair, bridge repair, and other infrastructure related repair projects. None infrastructure flood recovery such as debris removal and sandbag cleanup will not be eligible.

Cost Share Eligibility: (What % of cost share and provision of the Policy provides cost share % eligible for this project)

This project meets the funding cost share eligibility of _____% based which of the following criteria (select all that apply):	
<input type="checkbox"/>	1. Generally the cost share will be 50% of the "local" share of the non-retention projects, i.e. if a \$100,000 project had a 50% state cost share, the local share would be \$50,000 and the County
<input type="checkbox"/>	2. Policy for Retention Projects: Cost share is 75% of the "local" share if they are approved by the Red River Joint Water Resource District.
<input type="checkbox"/>	3. Home buyouts for flooding and bank slumping: Cost share is 90% of the "local" cost with the homeowner paying 10% of the "local" cost.

Project Priority: (Explain any provisions of the Policy that provides a higher priority for this project)

This project should be a higher priority based on the following criteria (select all that apply and provide a narrative on why the criteria applies):

<input type="checkbox"/>	1. Population benefited by the project
<input type="checkbox"/>	2. Distribution of funds by location
<input type="checkbox"/>	3. Disbursement percentage determined by the number of people benefited
<input type="checkbox"/>	4. Cost effectiveness of the project
<input type="checkbox"/>	5. Permanency of the project
<input type="checkbox"/>	6. Effect of the diversion on the project
<input type="checkbox"/>	7. Does the project have long-term merit (benefits extend beyond 10 years)
<input type="checkbox"/>	8. Other sources of funding from local, state, or federal cost share programs.

--

Evaluation Criteria: (Describe any specific Evaluation Criteria used to prioritize funding of this project)

This project should be a higher priority based on the following criteria (select all that apply and provide a narrative on why the criteria applies):

<input type="checkbox"/>	1. Benefit cost ratio
<input type="checkbox"/>	2. Land area benefited
<input type="checkbox"/>	3. Population benefited
<input type="checkbox"/>	4. Downstream flood reduction
<input type="checkbox"/>	5. Total acre-feet of retention storage

Attachments

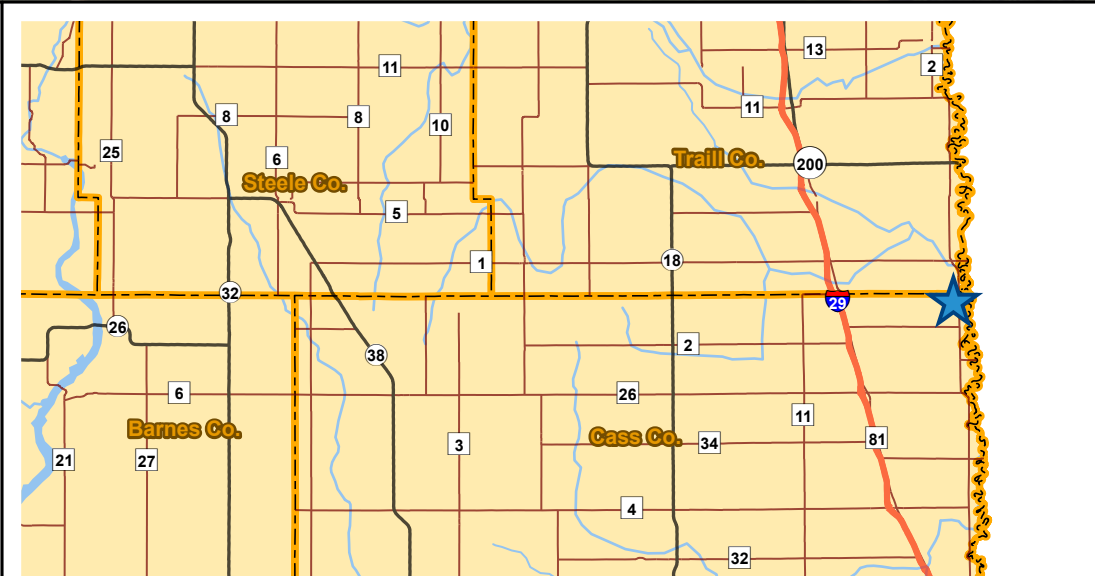
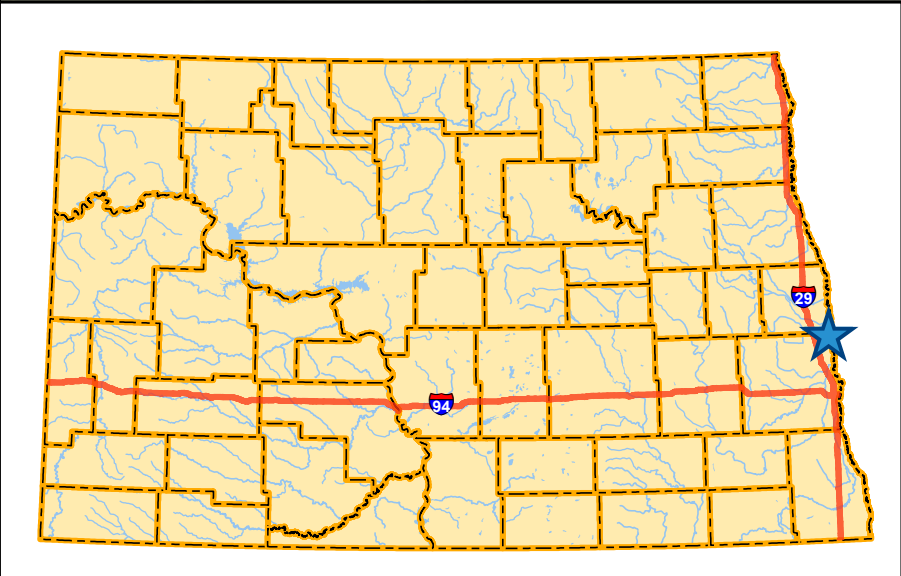
<input type="checkbox"/>	1. Funding Request Memo from the Project Owner With Suggested Motion
<input type="checkbox"/>	2. Location Map

Narrative Response for Project Priority and Evaluation Criteria Questions

The project is a cost-effective solution for addressing erosion, slides, and sloughing along Drain No. 42's outlet into the Red River. This section of the channel is experiencing numerous slides in part due to Red River backwater during flooding. Rather than attempting to repair each slide, the project will repair the slide that is closest to County Road 31 (CR 31), thus protecting the crossing infrastructure from further headcutting. The rock chute will also provide energy dissipation to reduce velocities and mitigate further damage to downstream slides from normal flows.

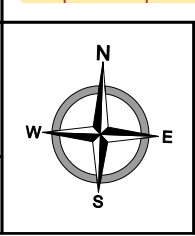
The land area benefited by this project includes CR 31. Specifically, the project will repair the headcutting that is currently threatening the CR 31 crossing and install a rock chute at the culvert outfall that provides a resilient, long-term solution to this issue. This cost of this solution is significantly lower than the estimated costs for repairing potential damage to the CR 31 culvert crossing. The project thus has the benefit-cost merit of preventing future costs for infrastructure repair. Additionally, the benefits of the project will extend well beyond 10 years.

Lastly, this project will leverage other state funding sources. In February 2025, the Department of Water Resources (DWR) provided the District with 45% cost share to support design, permitting and ROW acquisition. The District anticipates receiving additional cost share from the DWR to support the construction effort.



DRAIN 42 - SLIDE REPAIR & ROCK CHUTE
CASS COUNTY, NORTH DAKOTA

Created By: KMV Date Created: 01/06/2025 Date Saved: 01/29/25 Date Exported: 01/29/25
Plotted By: tanner.schmidt Parcel Date: State Parcels N/A Aerial Image: NAIP Elevation Data: N/A
Horizontal Datum: NAD 1983 StatePlane North Dakota North FIPS 3301 Feet Vertical Datum: NAVD1988
Q:\Projects\24000\24700\24777 GrandinND Drain42Hwy31Repair\GIS\APRX\24777_DWR_Exhibit\24777_DWR_Exhibit.aprx





108 Main Street, PO Box 65
Harwood, ND 58042
701-281-0314 (office) 701-282-0543
auditor@cityofharwood.com

April 11, 2025

Mr. Tony Grindberg

Chairman, Cass County Commission

Flood Sales Tax Committee

211 Ninth Street South

Fargo, ND 58108

Dear Mr. Grindberg,

The City of Harwood respectfully requests assistance from the Flood Sales Tax Committee in further flood protection for the City. Included is an exhibit from the FM Area Diversion Web Map that shows the 100-year Flood With Project. While there is a significant reduction in the flood impacts to the City of Harwood with the Project, there are still impacts to the east side of the City and the need for flood insurance is not eliminated.

While reviewing the protected area in the 100-year Flood With Project event, it is apparent that the vast majority of areas that are currently developed in the protected area are receiving protection in the 100-year event. The City of Harwood does not appear to be receiving that same level of protection.

In past years, several representatives from the Metro Flood Diversion Authority Board have visited us at City Council meetings, including Mayor Tim Mahoney. Those representatives did request our support for the Diversion project and provided assurances that changes would be made to the project to protect the City of Harwood. There were promises of flood protection made, but those promises have not been fulfilled. A request to the Flood Diversion Authority to include this project as part of the greater Diversion project in January 2024 was not granted.

On the attached exhibit, a conceptual alignment of a levee along Cass County Highway 81 is shown. The intent of this levee would be to protect the existing City infrastructure and properties from high water events on Drain 40. At this time, there has not been any analysis completed on the concept with regards to cost or right-of-way.

We certainly appreciate the improvement to the flood protection that this Diversion project will provide as proposed, however we feel that the Project falls short of an achievable improvement to the protection on the east side of the City and elimination of the need for flood insurance.

The City of Harwood respectfully requests that the Flood Sales Tax Committee fund the feasibility study for this flood protection project at the 90% cost-share amount.

Sincerely,


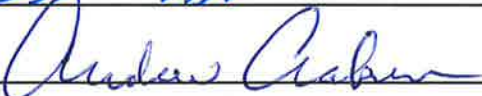


Blake Hankey

Mayor, City of Harwood



Application for Funding from the Cass County Flood Sales Tax
Committee

Project Name:	Harwood East Side Flood Protection Feasibility Study			
Date:	4/4/2025			
Funding Requested:	\$35,370	Cost Share %	<input type="radio"/> 50%	<input type="radio"/> 75% <input checked="" type="radio"/> 90%
Location (Provide a brief discription):	East side of the City of Harwood			
Name of Owner(s)/Applicant	City of Harwood	Engineer Name	Andrew Aakre	
Owner(s)/Applicants Address	PO Box 112, Harwood, ND 58042	Engineer Firm Name	Moore Engineering, Inc.	
Owner(s)/Applicants Email	auditor@cityofharwood.com	Engineer Email	andrew.aakre@mooreengineeringinc.com	
Owner(s) Phone Number	701.281.0314	Engineer Phone Number	701.499.5887	
Owner/Applicant's Signature			Date:	4-10-25
Representative's Signature			Date:	4/10/2025

Proposal: Brief Narrative Description of Reason(s) for Application

The City of Harwood is inside the protected area of the FM Diversion. As proposed, the FM Diversion will reduce, but not eliminate flood impacts to the City of Harwood, particularly on the east side of the city. Attachment 1 is a preliminary exhibit showing the proposed floodplain at Harwood with the FM Diversion in place.

The purpose of this project and request are to evaluate alternatives to provide flood protection to the east side of the City of Harwood. The goal of this project is to further reduce those impacts to the existing community, in conjunction with the FM Diversion.

Three alternatives have been identified, but not evaluated at this time and are shown on Attachment 1. The RED alignment closely follows County Highway 81. The YELLOW alignments follow the west side of existing Drain 40 with the idea that much of the protection would be in existence, and by raising the levee on the west side of the Drain, further flood protection could be achieved.

The purpose of the study is to determine the probable costs and model the impacts of the alternatives to determine the feasibility of each of the alternatives.

Breakdown of Project Funding		\$ Dollar Amount
Total Project Cost	Feasibility Study	\$ 39,300
Additional Funding Source #1 (Name)		\$
Additional Funding Source #2 (Name)		\$
Additional Funding Source #3 (Name)		\$
Additional Funding Source #4 (Name)		\$
Local Project Cost (Total Cost – Additional Funding)		\$ 39,300
Flood Sales Tax Requested Amount		35,370
Applicant/Requesting Entity Cost		3,930

Application and Funding Eligibility

(see criteria in the Cass County Policy 13.72 Amended County Sales Tax For Flood Risk Reduction and Recovery Projects Adopted December 4, 2017 at www.casscountynynd.gov/floodsalestaxcommittee)

Describe why you are an Eligible Entity: (County, City, Township, Water Resource District, or Home/Landowner)

City

Project Eligibility: (Outline what provision of the Policy provides eligibility to fund this project based on the criteria listed below)

<input checked="" type="checkbox"/>	1. Levee construction or recertification for cities or rural subdivisions. Generally levee projects should be constructed to FEMA and/or US Army Corps of Engineer standards and be able to bring the benefited area out of the 1% chance (100 year) floodplain. These levees would also need to be maintained at that standard by either the city or township that is a member of the National Flood Insurance Program. Rural subdivisions seeking this funding would need to complete an agreement with the township and form an assessment district for the long term maintenance of the levee.
<input type="checkbox"/>	2. Flood control projects.
<input type="checkbox"/>	3. Water retention or detention projects.
<input type="checkbox"/>	4. Dam construction or maintenance.
<input type="checkbox"/>	5. Lift Stations for removing storm water from within a levee protected area.
<input type="checkbox"/>	6. Rural Farmstead Ring Levees (in conjunction with the ND State Water Commission 50% cost share) as outlined on the ND State Water Commission website under "Cost Share"
<input type="checkbox"/>	7. Road Projects that provide infrastructure protection to prevent significant future flood damage. These requests may be standalone projects or in conjunction with post-flood damage repair with or without FEMA cost share.
<input type="checkbox"/>	8. Road access (road raises or other infrastructure improvements that will allow access to a city, subdivision, or rural residence/farmstead).
<input type="checkbox"/>	9. Embankment slumping along the Red River, Wild Rice River, Sheyenne River, Maple River, Rush and Lower Rush Rivers, and Legal Drains. River slumping projects may include road and infrastructure repair, home buyouts, and repair to legal drains.
<input type="checkbox"/>	10. Home buyouts for flooding and bank slumping.
<input type="checkbox"/>	11. Flood Recovery projects to include: Levee repair, road repair, bridge repair, and other infrastructure related repair projects. None infrastructure flood recovery such as debris removal and sandbag cleanup will not be eligible.

Cost Share Eligibility: (What % of cost share and provision of the Policy provides cost share % eligible for this project)

This project meets the funding cost share eligibility of _____% based which of the following criteria (select all that apply):	
<input checked="" type="checkbox"/>	1. Generally the cost share will be 50% of the "local" share of the non-retention projects, i.e. if a \$100,000 project had a 50% state cost share, the local share would be \$50,000 and the County
<input type="checkbox"/>	2. Policy for Retention Projects: Cost share is 75% of the "local" share if they are approved by the Red River Joint Water Resource District.
<input type="checkbox"/>	3. Home buyouts for flooding and bank slumping: Cost share is 90% of the "local" cost with the homeowner paying 10% of the "local" cost.

Project Priority: (Explain any provisions of the Policy that provides a higher priority for this project)

This project should be a higher priority based on the following criteria (select all that apply and provide a narrative on why the criteria applies):

<input type="checkbox"/>	1. Population benefited by the project
<input type="checkbox"/>	2. Distribution of funds by location
<input type="checkbox"/>	3. Disbursement percentage determined by the number of people benefited
<input type="checkbox"/>	4. Cost effectiveness of the project
<input checked="" type="checkbox"/>	5. Permanency of the project
<input checked="" type="checkbox"/>	6. Effect of the diversion on the project
<input checked="" type="checkbox"/>	7. Does the project have long-term merit (benefits extend beyond 10 years)
<input type="checkbox"/>	8. Other sources of funding from local, state, or federal cost share programs.

This project is supplementing flood risk reduction provided by the Diversion.

Evaluation Criteria: (Describe any specific Evaluation Criteria used to prioritize funding of this project)

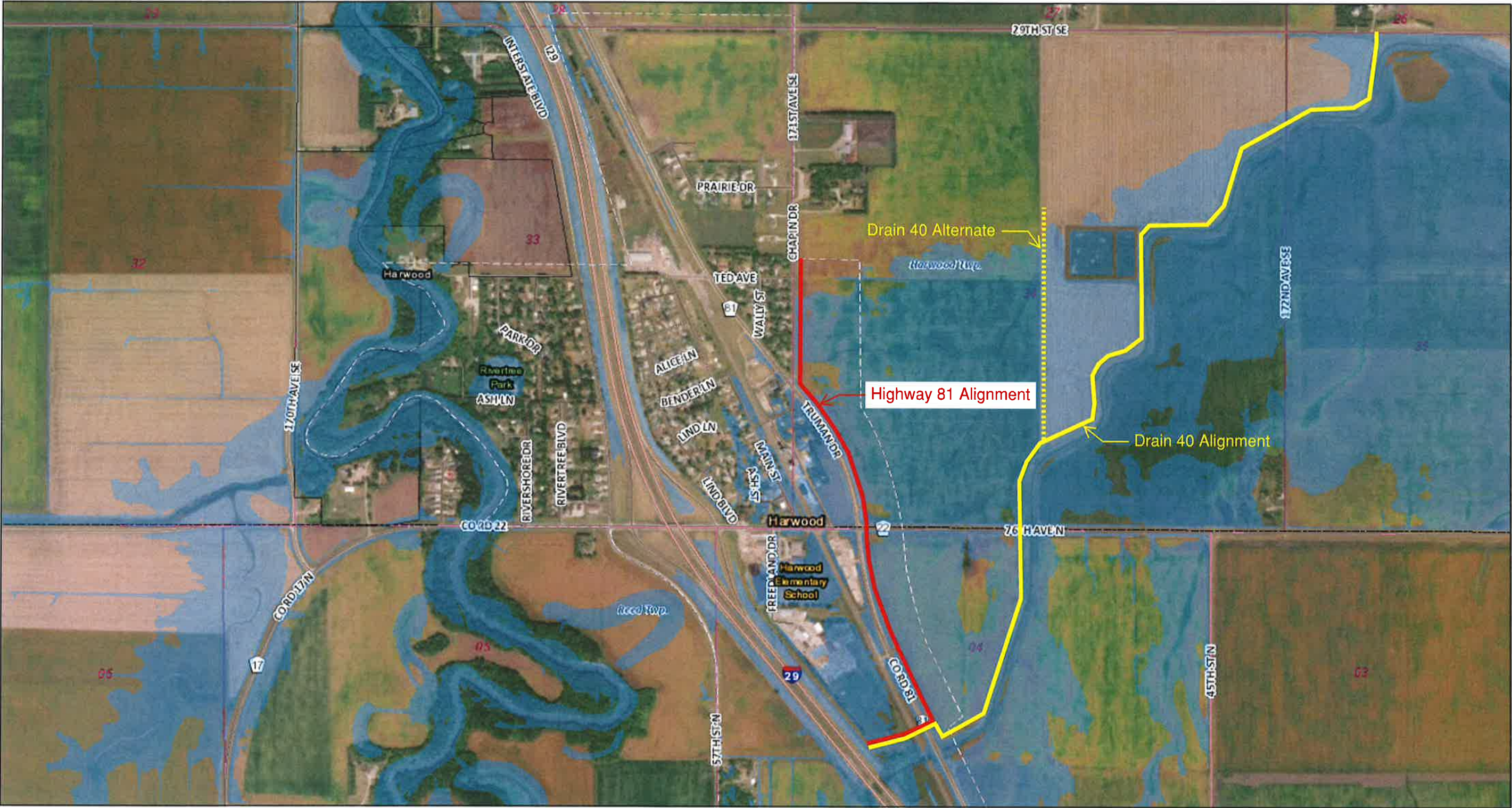
This project should be a higher priority based on the following criteria (select all that apply and provide a narrative on why the criteria applies):

<input type="checkbox"/>	1. Benefit cost ratio
<input checked="" type="checkbox"/>	2. Land area benefited
<input checked="" type="checkbox"/>	3. Population benefited
<input type="checkbox"/>	4. Downstream flood reduction
<input type="checkbox"/>	5. Total acre-feet of retention storage

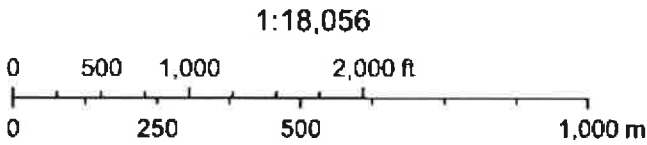
This project is supplementing flood protection the Diversion provides.

Attachments

<input checked="" type="checkbox"/>	1. Funding Request Memo from the Project Owner With Suggested Motion
<input checked="" type="checkbox"/>	2. Location Map



CITY OF HARWOOD - EAST SIDE FLOOD PROTECTION CONCEPTS



Fargo, North Dakota, Maxar, AE2S, Inc., Esri, HERE, Garmin, IPC