

Mustinka River Rehabilitation &
Redpath Flood Impoundment

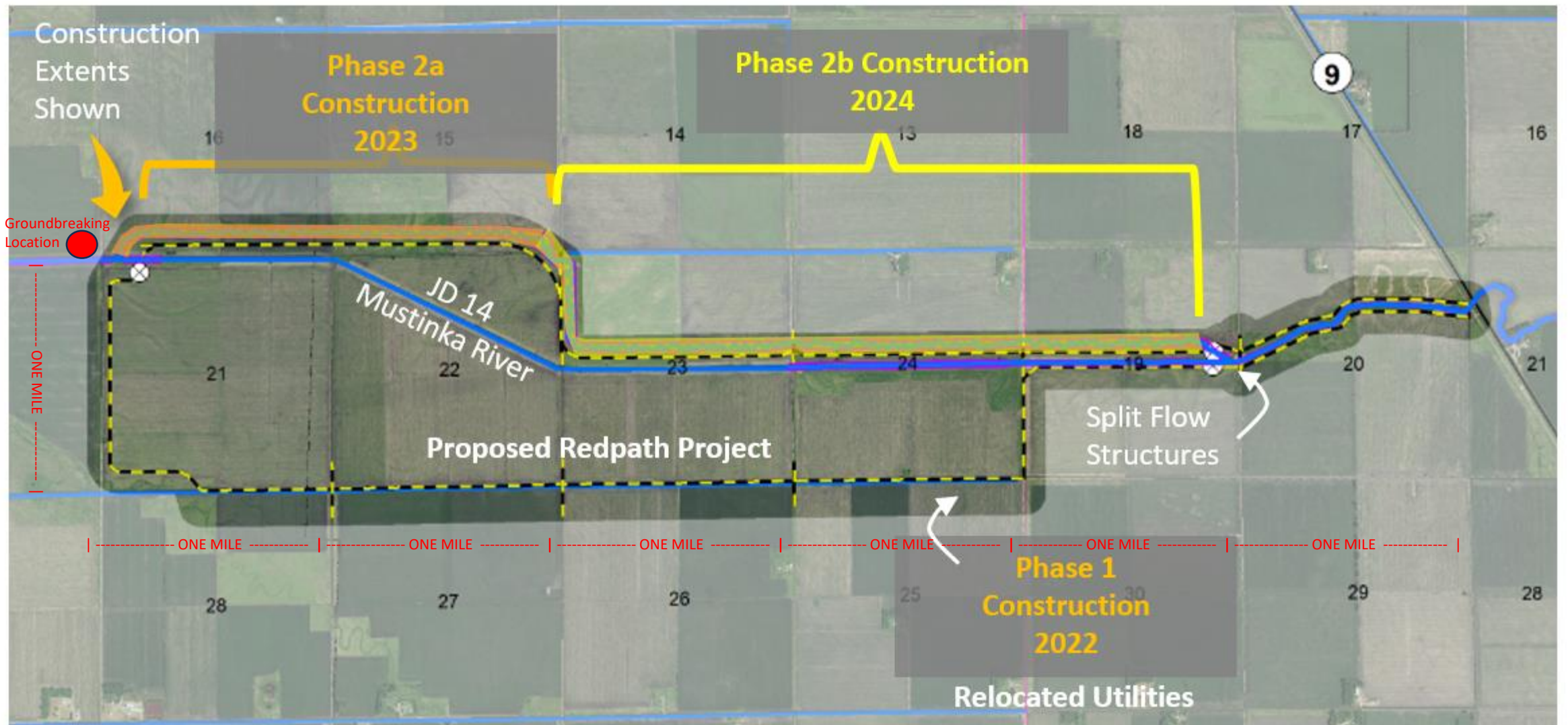


Bois de Sioux

GROUNDBREAKING

September 22th, 2023
2:00 PM





Mustinka River Rehabilitation and Redpath Impoundment

Construction on the Mustinka River Rehabilitation began in 2023 and will be complete 2026. The Redpath Impoundment will provide local and regional flood risk reduction that will benefit downstream roads, agricultural lands, farmsteads and communities by reducing Mustinka River breakouts that flow overland and mainstem flows that discharge directly to Lake Traverse. This project is a component of the Red River basin wide 20% flow reduction strategy.

Timeline

- Land rights, project design, and permits were all complete as of 2022
- Phase 1 was constructed in 2022, 35% of Phase 2 is currently under construction, the remainder of Phase 2 will be constructed in 2024. Phase 3 and 4 awaiting final funding commitments.
- We currently have funding commitments from the Lessards Sams Outdoor Heritage Fund, the Board of Water and Soil Resources, the Department of Natural Resources, the Red River Watershed Management Board, and the Bois de Sioux Watershed District.
- The total project construction cost is \$49.3 million. The uncovered need is \$14.7 million.

Redpath Impoundment & Mustinka River Fish and Wildlife Habitat Corridor Rehabilitation					
Construction Schedule - Updated Sept. 2023					
"RED" = STATE OF MN FUNDING NEEDED TO COMPLETE CONSTRUCTION					
	Funding Partner	Spent Thru 2023	2024 Phase 2B	2025 Phases 3 & 4	TOTAL
Mustinka Rehabilitation	LCCMR	\$540,000	\$2,160,000		\$2,700,000 34%
	LSOHF (6/30/2024 expiration)	\$2,440,000			\$2,440,000 31%
	BWSR CWF PP	\$800,000	<u>\$1,000,000</u>		\$1,800,000 23%
	RRWMB	\$507,000			\$507,000 6%
	BdSWD	\$0	\$553,000		\$553,000 7%
	MUSTINKA TOTAL	\$4,287,000	\$3,713,000		\$8,000,000 100%
Redpath Impoundment	MN FHM	\$6,107,687	\$3,800,000	} <u>\$13,747,690</u> }	\$23,655,377 44%
	BWSR WQ&SP	\$0	\$1,000,000		\$1,000,000 2%
	BWSR CWF MDM	\$320,000			\$320,000 1%
	FDRWG	\$6,600			\$6,600 0%
	RRWMB (2/3 Local)	\$8,675,047	\$2,533,333	\$8,492,883	\$19,701,264 36%
	BdSWD (1/3 Local)	\$4,005,730	\$1,266,667	\$4,246,427	\$9,518,823 18%
	REDPATH TOTAL	\$19,115,064	\$8,600,000	\$26,487,000	\$54,202,064 100%
PROJECT TOTAL	\$23,402,064	\$12,313,000	\$26,487,000	\$62,202,064	

Phase 1 = 2022 Relocation of TCD #35 - **COMPLETE**

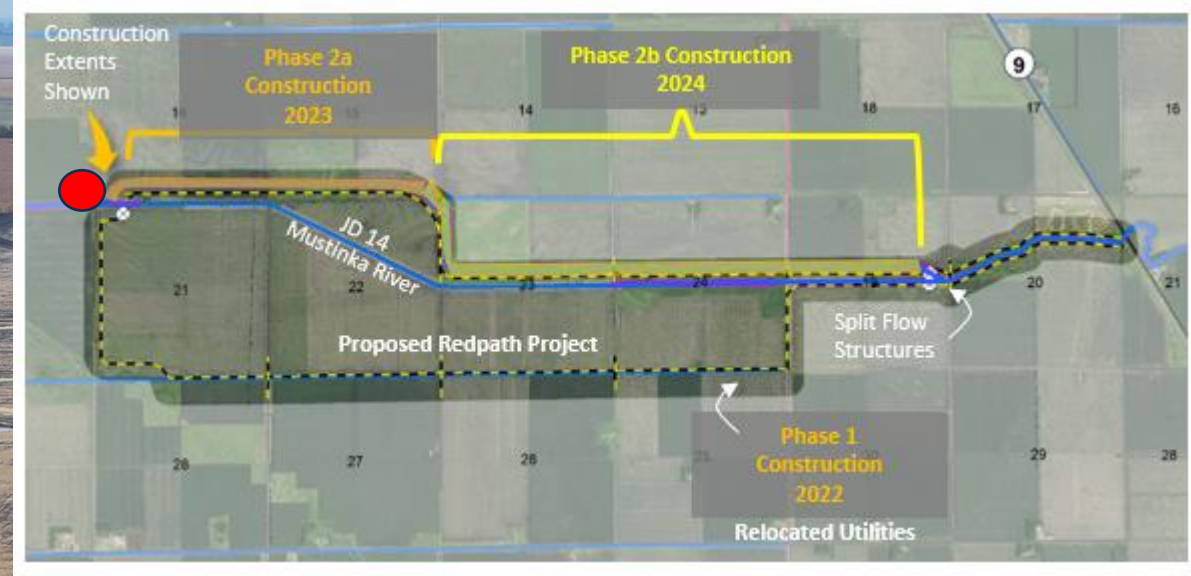
Phase 2A = 2023 West Half of Mustinka Rehab & North Levee - **UNDER CONSTRUCTION**

Phase 2B = 2024 East Half of Mustinka Rehab & North Levee & Portion of West Embankment - **BID DECEMBER 2023**

Phase 3 = 2025 Remaining Perimeter Levees - **NEEDS MN FHM FUNDING**

Phase 4 = 2025 Structures / Approach Channel / JD #14 / Misc. - **NEEDS MN FHM FUNDING**

Looking North & East



Looking North & East



Looking East

New Mustinka River Channel

Current Mustinka River Channel

Future Redpath Flood Impoundment



Remeandered Mustinka River

“This Project is truly multipurpose and will incorporate water storage; fish, wildlife, and upland game habitat; water quality; agriculture, and will add to the overall base of resources in the BdSWD, Red River Basin, and State of Minnesota” said Robert Sip, RRWMB Executive Director.



Remeandered Mustinka River

Several funding partners are involved with the Project with funds being allocated by the BdSWD, RRWMB, State of Minnesota DNR Flood Hazard Mitigation Program, Lessard Sams Outdoor Heritage Council, Legislative-Citizen Commission on Minnesota Resources, Clean Water Fund via Minnesota Board of Water and Soil Resources.





“The Redpath Project will store approximately 19,000 acre-feet of gated storage and will control 200 square miles of upstream drainage” says Chad Engels, BdSWD Engineer. The Project will also result in 950 acres of grassland, 76 wetland acres and 5 miles of stream restoration. Eleven permits from local, state, and federal permitting agencies were required for the project.



Groundbreaking



Above, Left to Right: Board Manager Doug Dahlen, Senator Robert Kupec, Senator Jordan Rasmusson, RRWMB Executive Director Rob Sip



Right: President Linda Vavra, Senator Klobuchar Staff Ben Lien



With Shovels, Left to Right: Engineer Technician Troy Fridgen, District Attorney Lukas Croaker, Board Manager Jerome Deal, President Linda Vavra, Board Manager Doug Dahlen, Senator Rob Kupec, Senator Jordan Rasmusson, RRWMB Executive Director Rob Sip, Board Manager Allen Wold, Representative Jeff Backer

Groundbreaking

To Learn More:

[Moore Engineering-
Mustinka River
Rehabilitation September
Update - YouTube](#)

[Moore Engineering –
Comprehensive Project
Design Presentation](#)

With Shovels, Left to Right: District Attorney Lukas Croaker, Board Manager Jerome Deal, President Linda Vavra, Board Manager Doug Dahlen

