

Roseau River Restoration Project



Description/Location: The Roseau River is within the Red River Basin in northwestern Minnesota and southeastern Manitoba encompassing a drainage area of about 2,057 square miles. The proposed restoration reach lies largely within the DNR Wildlife Management Area in Roseau County, MN. This reach of the river was channelized by the construction of State Ditch 51 which reduced the length of the river, increased its slope and caused the river to be disconnected from its floodplain. Historic oxbows remain intact, harbor diverse fish communities and provide habitat for spawning and foraging when accessible during periods of high water. The restoration project will rehabilitate and reconnect the historic river channel and reestablish the natural channel profile and floodplain allowing a sustainable channel to meander over time as well as reconnect critical fish habitat to the main channel.



Project Goals:

Channel Restoration

- Reconnect historic river channel
- Reestablish natural channel and floodplain

Enhance Wildlife Habit

- Reconnect oxbows to provide crucial spawning and foraging habitat for fish
- Increase the amount of large river habitat within the watershed
- Restore riparian habitat

Erosion Reduction

- Improve bank stability
- Reduce sedimentation within the channel
- Improve water quality

PROJECT STATUS MAY 2019

Planning:

- Project Team is being established
- Project vision and goals are being discussed
- Discussions regarding when survey work can start and how it will be funded

Permitting:

- Permits that may be required include
 - DNR Permit
 - USACE
 - WCA
 - EAW
 - 103E Minnesota Drainage

Funding:

- Apply for LSOHC Outdoor Heritage Fund in 2019
- Other funding options include: CWF, Red River WMB, Polaris, DNR FWS, BWSR and RRWD

Estimated Cost = \$7.2 M

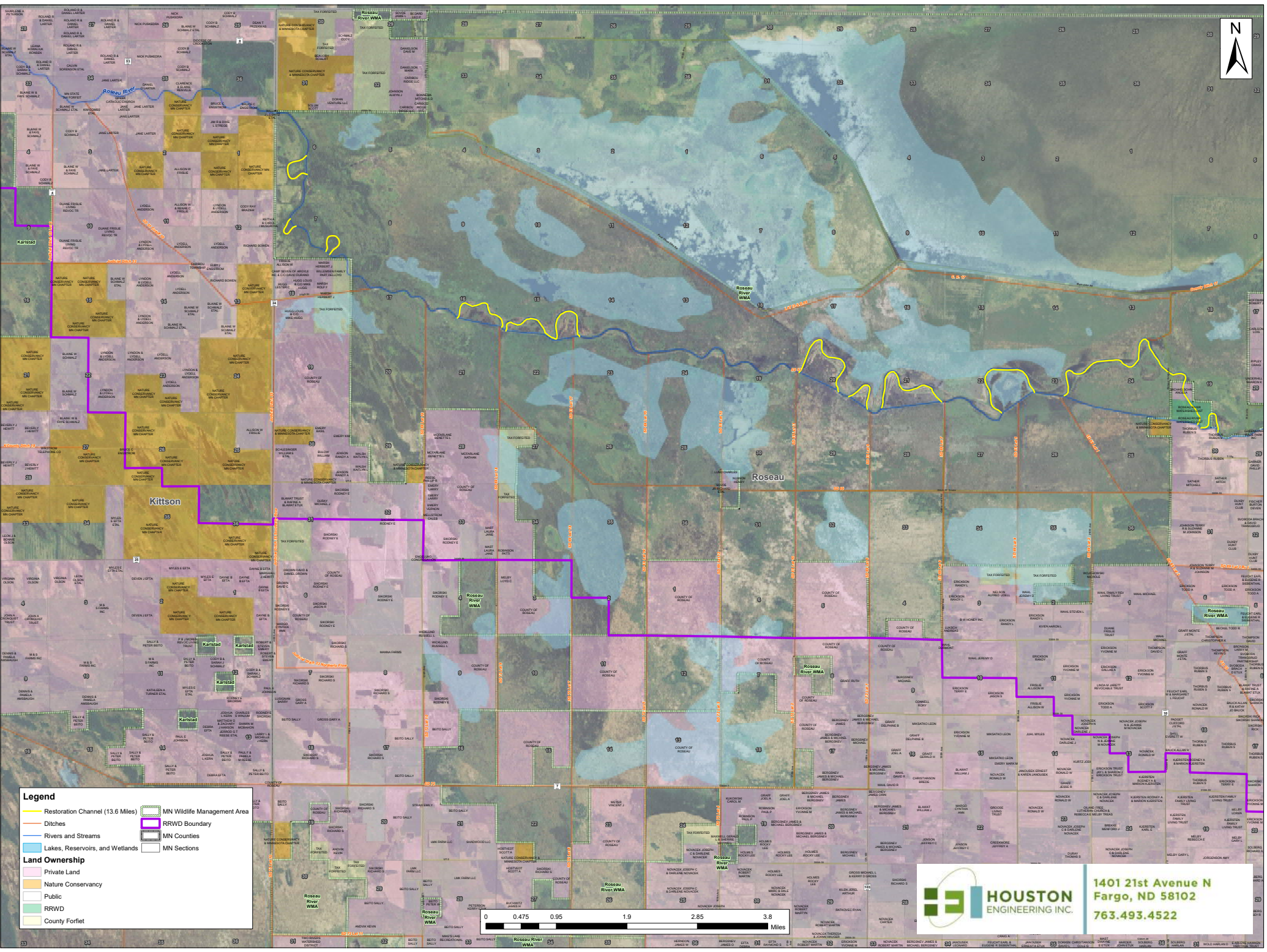
Funding: Federal – \$TBD; State – \$TBD; LSOHC \$7.2M;

Local - RRWMB – \$TBD; RRWD – \$TBD;

Project Schedule:

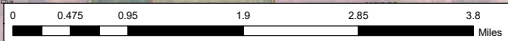
	FY 2020 (7/1/2019 – 6/30/2020)	FY 2021 (7/1/20– 6/30/21)	FY 2022 (7/1/21 -6/30/22)	FY 2023 (7/1/22 – 6/30/23)
Funding		Local, RRWD(SD 51 Funds), LSOHC, DNR FWS, RB, CWF, Polaris, BWSR	LSOHC, DNR FWS, RB, CWF, Polaris, BWSR	LSOHC, DNR FWS, RB, CWF, Polaris, BWSR
		\$300,000	\$2,200,000	\$4,400,000
Tasks	Memorandum of Understanding Development	Survey, Preliminary Engineering and Design, Hydrologic and Hydraulic Modeling	Final Design, Permitting, Plans and Specs, Start Construction	Construction

Key: RB = Red River Watershed Management Board; WD=Watershed District; LSOHC = Lessard-Sams Outdoor Heritage Council, DNR FWS = MN DNR Fish and Wildlife Service, CWF = Clean Water Fund



Legend

- Restoration Channel (13.6 Miles)
- Ditches
- Rivers and Streams
- Lakes, Reservoirs, and Wetlands
- Private Land
- Nature Conservancy
- Public
- RRWD
- County Forfeited
- MN Wildlife Management Area
- RRWD Boundary
- MN Counties
- MN Sections



HOUSTON ENGINEERING INC.
 1401 21st Avenue N
 Fargo, ND 58102
 763.493.4522