"Treatment train" for land treatment and multi-benefits



Grass waterways

Rock riffles

Cover crops/soil health



Streambank revitalization



Berms/impoundments

Ravine stabilization



CEDAR RIVER WATERSHED DISTRICT Capital Improvement Plan (CIP)



2021 Plan Objectives

<u>CRWD's CIP Goal</u> 10% flow reduction at Cedar-Dobbins confluence De-list Dobbins Creek for Turbidity Impairment by 2035





2008 Dobbins Creek flooding Interstate 90 in Austin

Cedar River Watershed District

- Formed in 2007 to address flooding and water quality
- 435 sq. mi. in Mower, Dodge, Freeborn, and Steele counties
- Six of top 10 worst-known floods occurred in last 25 years
- Includes City of Austin and Cedar River State Water Trail



The Cedar River Watershed District is investing in long term solutions to complex water resource management. Hydrology is the primary resource challenge for the Cedar River Watershed. This impacts water quality, infrastructure and productivity of local farm and traditional business in the watershed community. Strategic upland treatment is assisting the district to deliver on projects that will provide multiple benefits and maintain a higher quality of life for all who live and recreate here.



Project Priority	Sub Watershed Project Name	Project Schedule	Estimated Construction Cost	Estimated Easement Cost
1	Dbbn—#9-17	2022 (Funding Dependent)	\$375,000	\$150,000
2	Dbbn –#22-24	2022 (Funding Dependent)	\$375,000	\$145,000
3	Dbbn #28	2023	\$750,000	\$350,000
4	Dbbn—#21	2023	\$75,000	\$50,000
5	Dbbn #13	2024	\$150,000	\$100,000
6	Dbbn #18	2024	\$300,000	\$225,000
7	Dbbn #640	2025	\$250,000	\$200,000
8	Dbbn #26	2025	\$200,000	\$100,000
9	Dbbn #250	2025	\$150,000	\$110,000
10	Dbbn #27	2026	\$250,000	\$210,000
11	Dbbn #00	2026	\$225,000	\$160,000
12	Dbbn #1CP	2026	\$75,000	\$20,000
13	Dbbn #2W	2026	\$30,000	\$20,000
14	Dbbn #8	2027	\$30,000	\$10,000
15	Dbbn #29	2027	\$100,000	\$35,000
16	Dbbn #25	2027	\$350,000	\$200,000
17	Dbbn #23	2028	\$325,000	\$165,000
Total			\$4,010,000	\$2,250,000
			\$6,260,000	

• Projects listed above are not funded or encumbered.

- Ranking criteria accounts for effectiveness, cost efficiency and project readiness and opportunity for multiple wa-٠ ter quality and quantity benefits.
- Project costs are estimates. Engineering, geotechnical and permitting costs may not be reflected in the costs above.
- All projects are cooperative, constructed on private lands.

Updated June, 2021







Project Summary

Sample project benefits under CRWD's Capital Improvement Plan (CIP) Post-project stormwater flow Project outlet after major rain