

Redwood County Highway Department Five Year Plan

2022-2023 Reconstruction of CSAH 1, Clements MN



Prepared By Redwood County Highway Department
Board Workshop
Board Workshop
Public Hearing
Plan Approval by County Board of Commissioners

Date: 5/2/2023
Date: 5/2/2023
Date: 6/6/2023
Date: 7/6/2023
Date: 7/6/2023

I certify that this proposal was prepared by me or under my direct supervision and that I am a registered professional engineer under the laws of the State of Minnesota.

Anthony J. Sellner

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Executive Summary

The Redwood County Highway Department is committed to stewardship, respect and shared responsibility in providing improved, cost-efficient services to all. The Highway Department is furthermore responsible for providing a safe and useful transportation system for all users, which is both responsive to community needs and within our program budget.

To effectively maintain and improve the infrastructure for which the department is responsible for, the department prepares a five-year road and bridge plan. The plan is developed by the County Board and Highway Department staff to aid with planning and budgeting, project programming and development and ultimately design and construction of highway and bridge improvement projects.

The plan is then presented to the Public for input and to the County Board for final review and approval.

Redwood County's highway infrastructure consists of 510 centerline miles of road, 130 County bridges and 150 Township bridges. The county highway system is categorized by funding source. The County State Aid Highway (CSAH) system, a network of key highways, consists of 391 miles of the system, of which 85% are paved. County Roads (CR) consist of 119 miles of the system, of which 98% are gravel.

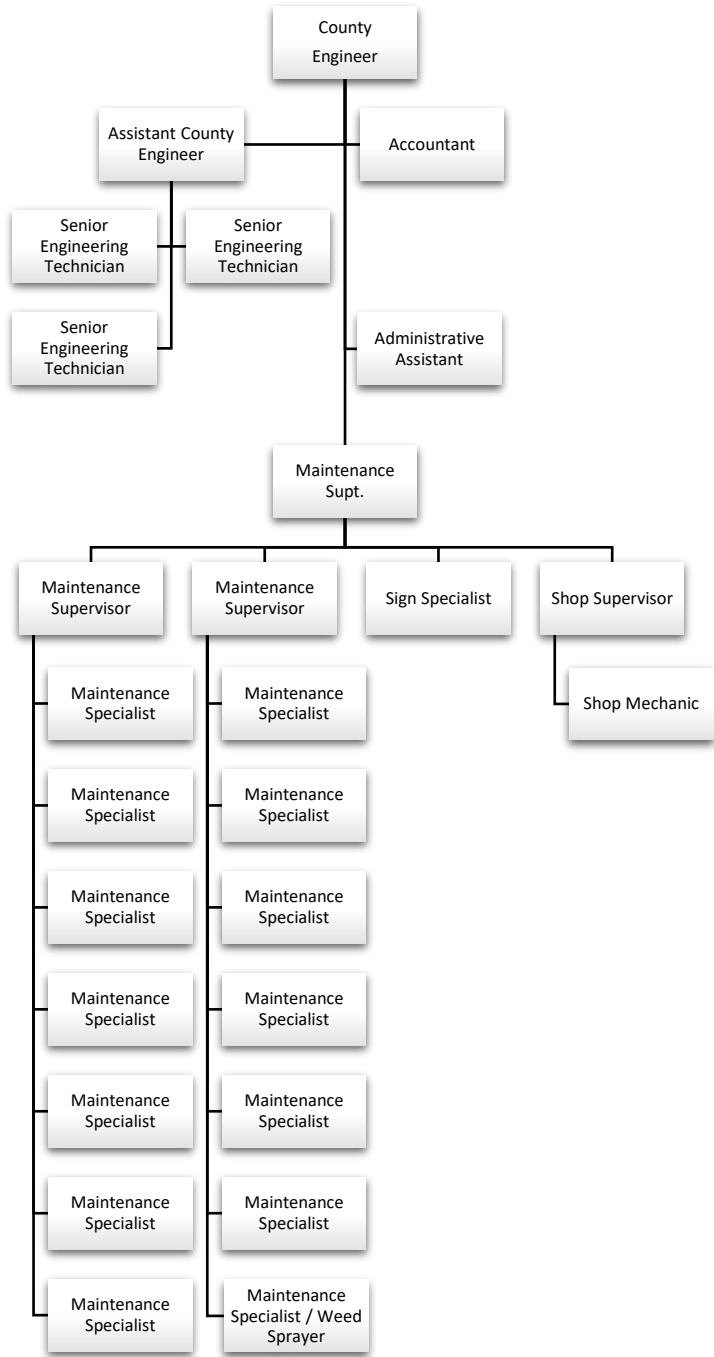
Revenue from motor fuel tax, vehicle registration tax, vehicle sales tax and automotive parts sales tax is distributed by the State of Minnesota to Redwood County to assist in the construction and maintenance of the County State Aid Highways (CSAH) and bridges on this CSAH system. The local property tax levy, wheelage tax, and local option sales tax are sources of funding for the construction and maintenance of all county roads and bridges. State and federal bridge bonds supplement funding of bridge replacements. Additional federal funding sources vary by year and applications are completed to pursue these additional funds whenever possible.

This plan lists the projects the Department intends on completing in the next five years based on current and projected funding. The plan is intended to be flexible, recognizing road and bridge priorities may shift due to rapid changes in highway and bridge conditions, public input, goals, priorities and budget constraints.

2022 Full Depth Reclamation and Paving of CSAH 24, East of Redwood Falls, MN



Highway Department Organizational Chart



Funding Sources

There are several sources of funding for road and bridge improvement projects and maintenance. Some of these sources require a local cost share but bring significant funds into the improvement program. The sources include:

Road and Bridge Tax levy

County funds generated by property taxes. Redwood County uses exclusively for roadway maintenance.

County State Aid Highway – Regular and Maintenance

State aid funding is administered by MnDOT's State Aid for Local Transportation Division. CSAH funds can be used towards assisting in road construction, improvements and maintenance of highways on the state aid system (Minnesota Statutes 162.08).

County State Aid Highway - Municipal

CSAH Municipal funds can be used towards road construction, improvements and maintenance of highways on the state aid system (Minnesota Statutes 162.08) located in cities having a population of less than 5,000.

State Bridge Bonding & Township Bridge Funds

The Local Bridge Replacement Program (LBRP) provides local agencies funding for the reconstruction, rehabilitation or removal of bridges or structures. The program is financed by specific legislation allocating general obligation state bond funds under Minnesota Statutes 174.51 and is administered by the MnDOT State Aid for Local Transportation Division. Typically bridges on CSAH routes are funded at 50% and bridges on County Roads are funded at 100%. Township bridges are funded at 100% except for a local cost share of \$20,000 by the township. Townships are also responsible for right-of-way acquisition.

Wheelage Tax Revenue

The wheelage tax is a tax added to a vehicle registration fee. The Redwood County Board of Commissioners approved the wheelage tax beginning in 2018 to fund needed transportation projects in accordance with Minnesota Statute 163.051.

Sales Tax Revenue

In 2019, Redwood County Board of Commissioners approved a 0.5 percent transit sales and use tax in accordance with Minnesota Statute 297A.993. The revenues fund road improvements as identified in the Redwood County 5 Year Road and Bridge Plan.

Highway Safety Improvement Program

The Federal Highway Safety Improvement Program (HSIP) goal is to significantly reduce traffic fatalities and serious injuries on all public roads and roads on tribal lands. Federal HSIP funding is distributed to each MnDOT district based on the proportion of fatal and serious injury crashes occurring in the district. Counties can then apply for these HSIP funds in their district.

Federal Funds

Federal aid funding may be used by states and local agencies for preservation, reconstruction or construction on any federally eligible highway, bridge/tunnel, pedestrian/bicycle facility, and transit capital facility.

Funding Projections

Redwood County is projected to receive \$75.6 million dollars in state and federal funds, state bridge bonds, local bonds, sales tax and wheelage tax revenue for road and bridge construction between the years 2023 and 2028.

Funding Expenditures

Redwood County has \$76.7 million dollars of projects planned between the years 2023 and 2028, which includes 103 miles of roadway improvements and 36 bridge projects. Of the 36 bridge projects, 27 are currently unfunded.

Unfunded Road and Bridge Projects

Redwood County needs an additional 56 miles of roadway improvements, with a projected unfunded cost of \$23.3 million dollars. There are 34 county bridges and 33 township bridges that need replacing at an unfunded cost of \$51.4 million dollars. The Highway Department can responsibly pursue funding for 27 of the 67 unfunded bridges in the next five years. **Redwood County's total unfunded road and bridge reconstruction needs are valued at \$74.7 million dollars.**

2022 Magnolia Ave Bridge Replacement over Sleepy Eye Creek, Sundown Township MN



Acronyms and Definitions

Average Daily Traffic (ADT)

The bi-directional estimate of total vehicles traveling on a road segment during a 24-hour period.

County Road (CR)

Roads locally maintained by the county highway department, but not part of the County State Aid Highway system.

County State Aid Highway (CSAH)

County roads dedicated as part of the state aid system. County State Aid routes receive authorized financial support from the County State Aid Highway Fund.

Functional Classification

Roads are organized into Functional Classifications according to the type of service they provide. The two services a road can provide are mobility from one point to another and access to adjacent land.

- Arterial: Roads that provide for a faster or more direct mode of travel, but have less access to adjacent land.
- Collector: Roads that gather traffic from local roads and funnel to the arterial network. These roads balance both traffic circulation and land access roles. Most Redwood County roads are collectors.
- Local: Roads that primarily serve to provide access to adjacent land.

*2022 Cold-in-Place Recycling and Paving
of CSAH 6 North of Wabasso, MN*



EXHIBIT A: FIVE YEAR ROAD IMPROVEMENT PLAN - BOND \$10M

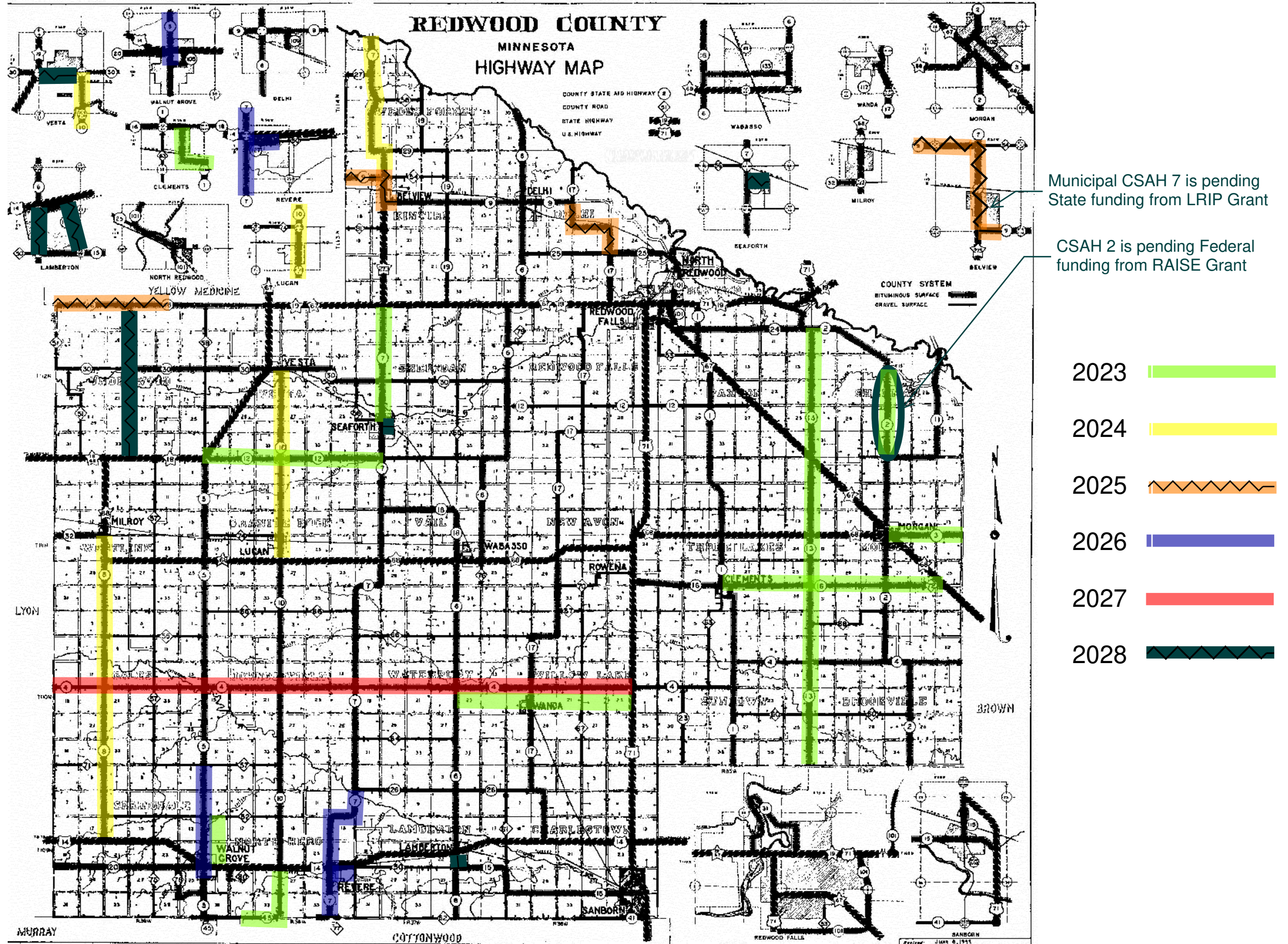


EXHIBIT B: FIVE YEAR UNFUNDED ROAD NEEDS

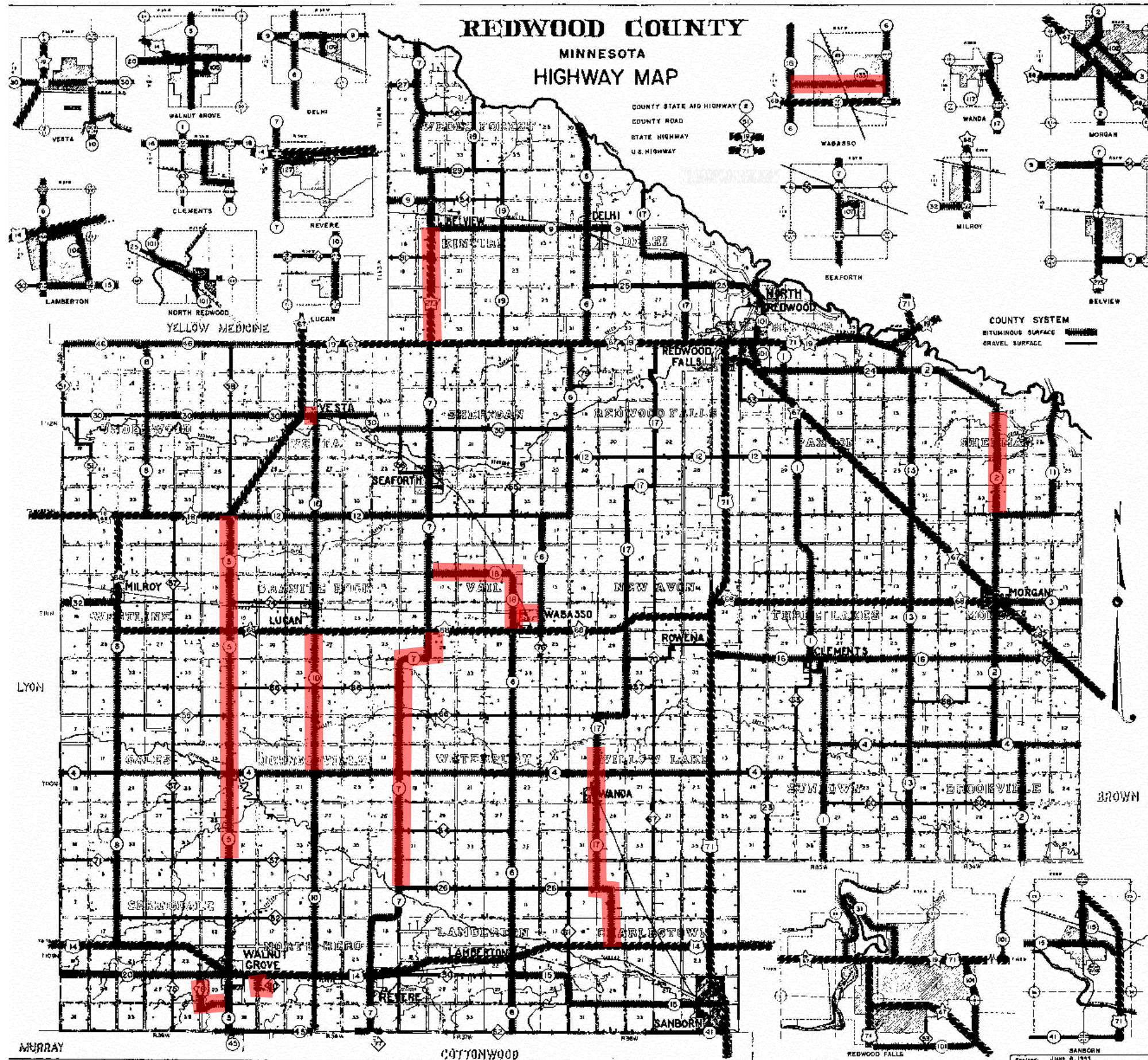
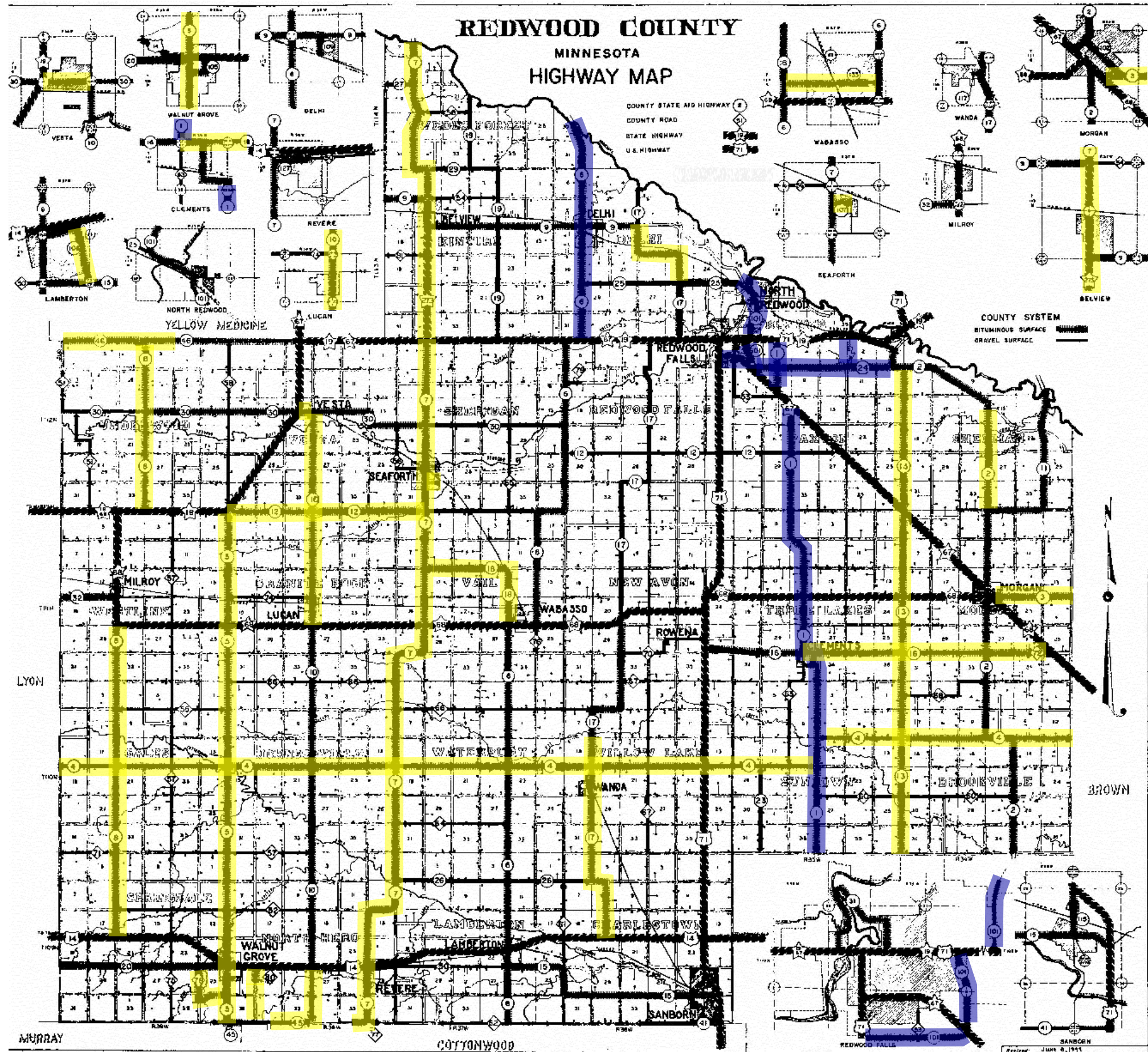
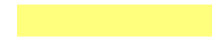


EXHIBIT C: SALES TAX PROJECTS



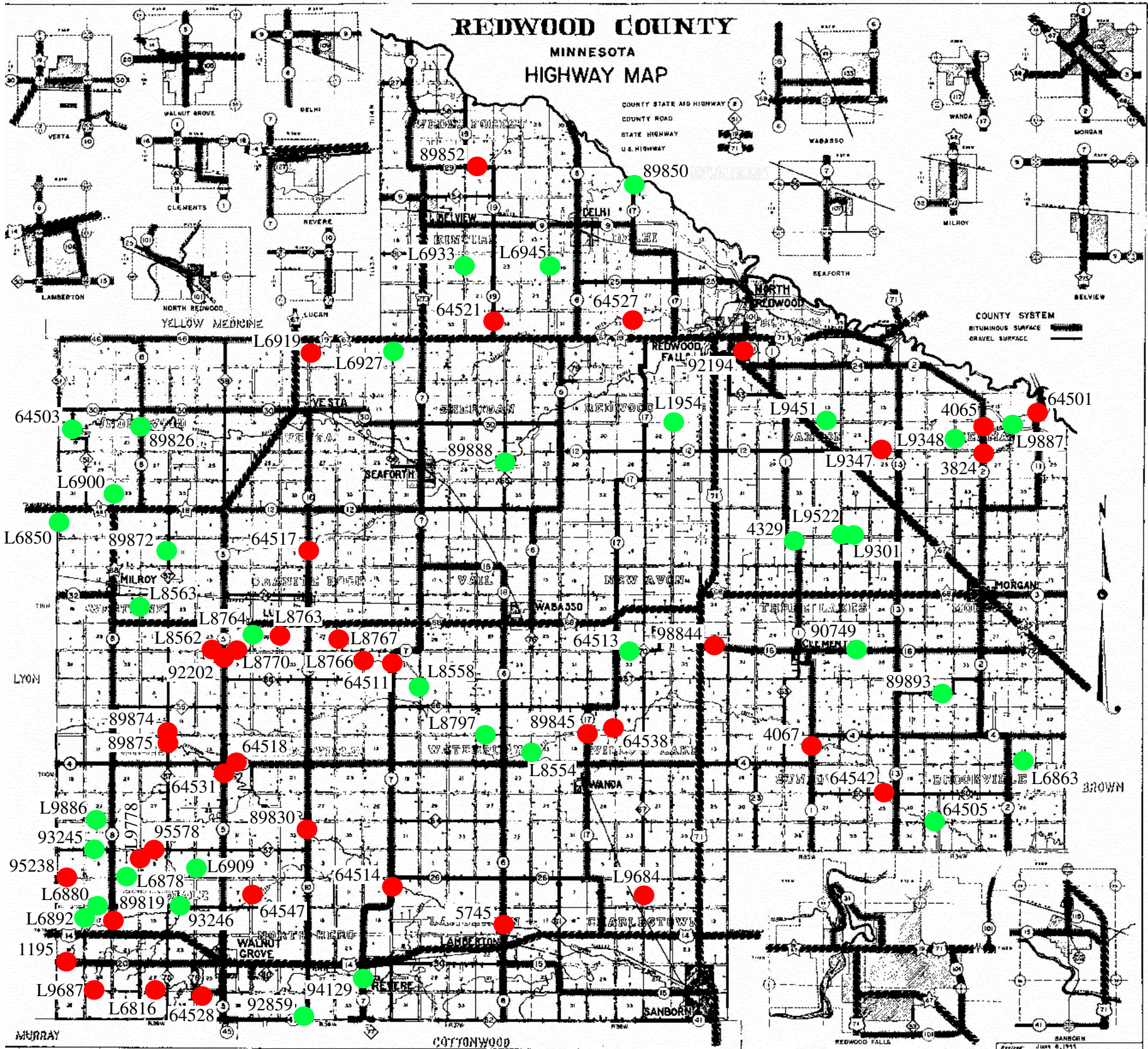
Project Incomplete



Project Completed



EXHIBIT D: BRIDGE PRIORITY MAP



- 2023-2028 Construction
- 2029 and Beyond

Exhibit E: Redwood County Bridge Priority List

Updated 6/8/2023

Bridge No.	Route	Township	Total Cost	State Aid	Town Bridge	Local	LBRP	Const. Year	LPI	Survey	Design	Const.	Load Posting	Twp. Res.	Bridge No.	Bridge Type	Yr. Built
64503	CR 51	Underwood	\$1,014,475			\$75,000	\$939,475	2023/24	49.0	C	P	I	Closed (2022)	N/A	64503	79' timber slab span	1962
89872	CR 57	Westline	\$328,415			\$82,701	\$245,714	2023/24	56.0	C	C	I		N/A	89872	14' csp arch	1955
93245	CR 71	Springdale	\$337,344			\$52,258	\$285,086	2023/24	55.0	C	C	I		N/A	93245	27' csp arch	1977
64513	CR 70	New Avon	\$706,800			\$75,000	\$631,800	2025/26	55.0	I	I	I		N/A	64513	36' timber slab span	1965
89888	CR 65	Sheridan	\$1,713,525			\$75,000	\$1,638,525	2025/26	54.0	I	I	I	22-38-38	N/A	89888	161' timber beam span	1957
64542	CR 60	Sundown	\$1,057,100			\$75,000	\$982,100	TBD	62.0	I	I	I	30-40-40	N/A	64542	84' timber slab span	1980
64528	CR 78	Springdale	\$1,125,300			\$75,000	\$1,050,300	TBD	64.0	I	I	I			64528	92' timber slab span	1977
89874	CR 57	Gales	\$682,000			\$75,000	\$607,000	TBD	61.0	I	I	I	18-32-32	N/A	89874	42' steel beam span	1916
89875	CR 57	Gales	\$792,825			\$75,000	\$717,825	TBD	75.0	I	I	I	24-40-40	N/A	89875	53' steel beam span	1952
90749	CSAH 16	Three Lakes	\$466,812	\$322,284			\$144,528	2023/24	29.0	C	C	I	10-18-18	N/A	90749	16' csp arch	1974
89826	CSAH 8	Underwood	\$922,379	\$523,035			\$399,345	2023/24	47.0	C	C	I	22-40-40	N/A	89826	61' steel beam span	1948
92859	CSAH 45	North Hero	\$430,000	\$290,000			\$140,000	2023/24	55.0	P	P	I		N/A	92859	13' csp arch	1971
94129	CSAH 7	North Hero	\$234,066	\$61,524			\$172,542	2023/24	50.0	C	C	I	40-40-40 (2023)	N/A	94129	15' timber box culvert	1968
4329	CSAH 1	Three Lakes	\$640,223	\$395,632			\$244,591	2025	58.0	P	P	I		N/A	4329	18' concrete box + csp arch	1925
89850	CSAH 17	Delhi	\$2,825,250	\$1,612,500			\$1,212,750	2026	19.0	I	I	I	Closed (2023)	N/A	89850	191' steel high truss beam span	1903
89830	CSAH 10	Johnsonville	\$2,250,000	\$1,200,000			\$1,050,000	2029	59.0	P	P	I		N/A	89830	160' steel continuous beam	1959
89844	CSAH 16	New Avon	\$465,000	\$325,000			\$140,000	2029	79.0	P	P	I		N/A	89844	12' concrete box	1941
92194	CSAH 101	City Redwood	\$825,000	\$475,000			\$350,000	2029	56.0	C	P	I		N/A	92194	20' precast channel span	1962
92202	CSAH 5	Granite Rock	\$495,000	\$247,500			\$247,500	TBD	51.0	I	I	I		N/A	92202	11' csp arch	1964
64501	CSAH 11	Sherman	\$1,395,625	\$847,500			\$548,125	TBD	54.0	I	I	I	26-40-40	N/A	64501	105' timber slab span	1960
5745	CSAH 6	Lamberton	\$1,801,800	\$1,050,500			\$751,300	TBD	60.0	I	I	I		N/A	5745	128' steel beam span	1938
64517	CSAH 10	Granite Rock	\$1,221,000	\$685,500			\$535,500	TBD	47.0	I	I	I	32-40-40	N/A	64517	62' timber slab span	1969
64531	CSAH 5	Johnsonville	\$2,117,500	\$1,208,500			\$909,000	TBD	58.0	I	I	I	36-40-40	N/A	64531	180' timber beam span	1978
64518	CSAH 4	Johnsonville	\$1,058,750	\$679,000			\$379,750	TBD	60.0	I	I	I	40-40-40	N/A	64518	70' timber slab span	1971
1195	CSAH 20	Springdale	\$555,000	\$352,500			\$202,500	TBD	44.0	I	I	I	14-26-26	N/A	1195	12' concrete box	1941
64511	CSAH 7	Vail	\$770,000	\$535,000			\$235,000	TBD	45.0	I	I	I	8-20-20 (2023)	N/A	64511	40' timber slab span	1965
89819	CSAH 8	Springdale	\$790,500	\$470,250			\$320,250	TBD	64.0	I	I	I	26-40-40 (2021)	N/A	89819	21' steel beam span	1956
89852	CSAH 19	Kintire	\$614,400	\$344,700			\$269,700	TBD	63.0	I	I	I		N/A	89852	18' timber slab span	1958
64521	CSAH 19	Kintire	\$701,400	\$388,200			\$313,200	TBD	66.0	I	I	I	36-40-40	N/A	64521	32' timber slab span	1973
64514	CSAH 7	Lamberton	\$1,607,375	\$953,500			\$653,875	TBD	70.0	I	I	I	40	N/A	64514	127' timber beam span	1968
89845	CSAH 17	Willow Lake	\$895,125	\$522,563			\$372,562.50	TBD	70.0	I	I	I	22-40-40	N/A	89845	53' steel beam span	1950
4067	CSAH 1	Sundown	\$895,125	\$597,500			\$297,625	TBD	72.0	I	I	I	34-40-40	N/A	4067	44' steel beam span	1959
3824	CSAH 2	Sherman	\$600,000	\$375,000			\$225,000	TBD	62.0	I	I	I	22-34-34 (2023)	N/A	3824	15' concrete box	1922
4065	CSAH 2	Sherman	\$1,654,000	\$952,000			\$702,000	TBD	69.0	I	I	I	40-40-40 (2023)	N/A	4065	23' concrete box	1923
L6880	T-139 / 140th St.	Springdale	\$434,700		\$414,700	\$20,000		2023/24	35.0	P	P	I	20-36-36/12-22-22 (2021)	C	L6880	12' steel beam span	1925
L6892	T-155 / Aspen Ave.	Springdale	\$474,575		\$454,575	\$20,000		2023/24	41.0	P	P	I	10-16-16 (2023)	C	L6892	17' steel beam span	1925
L6909	T-166 /Crown Ave.	Springdale	\$442,675		\$422,675	\$20,000		2023/24	32.0	P	P	I	3-0-0 (2023)	C	L6909	13' steel beam span	1925
L9522	T-234 / 270th St.	Three Lakes	\$405,000		\$385,000	\$20,000		2023/24	25.0	P	P	I	12-20-20 (2022)	C	L9522	15' csp arch	1974
L8797	T-36 / 200th St.	Waterbury	\$626,100		\$606,100	\$20,000		2023/24	50.0	P	P	I		P	L8797	36' timber slab span	1965
L8558	T-96 / Grandview Ave.	Waterbury	\$665,975		\$645,975	\$20,000		2024	35.0	C	P	I	16-24-24 (2021)	C	L8558	41' timber slab span	1965
L9301	T-75 / 270th St.	Three Lakes	\$405,000		\$385,000	\$20,000		2024	24.0	P	P	I	5-0-0	C	L9301	20' csp arch	1957
L6900	T-159 / Balsa Ave.	Underwood	\$405,000		\$385,000	\$20,000		2024	40.0	P	P	I	16-24-24 (2021)	C	L6900	12' csp arch	1956
L9886	T-126 / 170th St.	Gales	\$630,000		\$610,000	\$20,000		2025	38.0	P	P	I	18-32-32	I	L9886	29' steel arch	1979
L9348	T-241 / Porter Ave.	Sherman	\$594,200		\$574,200	\$20,000		2025	58.0	P	P	I	10-18-18	C	L9348	32' timber beam span	1971
64505	T-336 / Prairie Ave	Brookville	\$873,325		\$853,325	\$20,000		2026	49.0	I	I	I	30-40-40	I	64505	67' timber slab span	1963
L6933	T-197 / Harvest Ave.	Kintire	\$466,600		\$446,600	\$20,000		2026	41.0	P	P	I	14-24-24 (2022)	C	L6933	16' steel beam span	1935
L6927	T-186 / Garden Ave.	Sheridan	\$490,525		\$470,525	\$20,000		2027	58.0	P	I	I		P	L6927	12' csp arch	1956
L6945	T-206 / Impala Ave.	Delhi	\$490,525		\$470,525	\$20,000		2027	39.0	I	I	I	28-40-40 (2023)	P	L6945	19' steel beam span	1947
L9451	T-52 / 310th St.	Paxton	\$405,000		\$385,000	\$20,000		2027	56.0	P	I	I		C	L9451	13' csp arch	1974

Exhibit E: Redwood County Bridge Priority List

Updated 6/8/2023

L8563	T-161 / Bunker Ave.	Westline	\$405,000		\$385,000	\$20,000		2028	58.0	C	I	I		C	L8563	12' csp arch	1959
L8764	T-171 / Duncan Ave.	Granite Rock	\$405,000		\$385,000	\$20,000		2028	56.0	P	I	I		C	L8764	13' csp arch	1964
L8766	T-181 / Frontier Ave	Granite Rock	\$530,400		\$510,400	\$20,000		TBD	53.0	I	I	I		I	L8766	24' timber slab span	1966
L8767	T-179 / Fairview Ave.	Granite Rock	\$538,375		\$518,375	\$20,000		TBD	55.0	I	I	I		C	L8767	25' timber slab span	1965
L9684	T-147 / Knox Ave.	Charlestown	\$405,000		\$385,000	\$20,000		TBD	55.0	I	I	I		C	L9684	30' csp arch	1977
L9778	T-160 / Bunker Ave	Springdale	\$840,000		\$820,000	\$20,000		TBD	55.0	I	I	I		I	L9778	33' steel arch pipe	1978
95578	T-132 / 160th St	Springdale	\$630,000		\$610,000	\$20,000		TBD	55.0	I	I	I		I	95578	36' steel arch pipe	1982
L8763	T-39 / Eagle Ave.	Granite Rock	\$405,000		\$385,000	\$20,000		TBD	56.0	I	I	I		C	L8763	14' csp arch	1964
L6919	T-177 / Evergreen Ave	Vesta	\$405,000		\$385,000	\$20,000		TBD	56.0	I	I	I		I	L6919	11' steel arch pipe	1956
L8770	T-17 / 230th St.	Granite Rock	\$405,000		\$385,000	\$20,000		TBD	56.0	I	I	I		C	L8770	12' csp arch	1964
L8562	T-17 / 230th St	Westline	\$405,000		\$385,000	\$20,000		TBD	56.0	I	I	I		I	L8562	11' steel arch pipe	1966
L9687	T-19 / 110th St	Springdale	\$280,000		\$260,000	\$20,000		TBD	57.0	I	I	I		I	L9687	12' steel arch pipe	1977
64527	T-221 / Kenwood Ave	Delhi	\$817,500		\$797,500	\$20,000		TBD	59.0	I	I	I		I	64527	60' timber slab span	1977
64538	T-218 / Kenwood Ave	Willow Lake	\$610,150		\$590,150	\$20,000		TBD	64.0	I	I	I	24-40-40	I	64538	90' timber slab span	1980
95238	T-137 / 150th St	Springdale	\$540,000		\$520,000	\$20,000		TBD	64.0	I	I	I		I	95238	30' steel arch pipe	1980
L9347	T-57 / 300th St.	Paxton	\$610,150		\$590,150	\$20,000		TBD	65.0	I	I	I	34-0-0	C	L9347	34' timber beam span	1971
L6816	T-19 / 110th St.	Springdale	\$466,600		\$446,600	\$20,000		TBD	65.0	I	I	I		C	L6816	16' steel beam span	1925
64547	T-171 / Duncan Ave	North Hero	\$881,300		\$861,300	\$20,000		TBD	72.0	I	I	I	36-0-0	I	64547	68' timber slab span	1990

Bridge Location	Total Cost	State Aid	Town Bridge	Local	LBRP
County Road	\$7,757,784	\$0	\$0	\$659,959	\$7,097,825
County State Aid Highway	\$26,231,330	\$15,414,687	\$0	\$0	\$10,816,643
Township Road	\$17,388,675	\$0	\$16,728,675	\$660,000	\$0
Total	\$51,377,789	\$15,414,687	\$16,728,675	\$1,319,959	\$17,914,468

Key
I=Incomplete
P=In Progress
C=Complete
N/A=Not Applicable

Table 2: 2024 Project Funding & Expenses

Project	Project Description	Project Type	Length Miles	Source of Funds											Cost Estimate							Comments			
				TOTAL FUNDS	CSAH Reg	CSAH Mun	Federal Regular	Federal Other	State or St Bonds	Town Bridge	Township City	Sales Tax	Wheelage Tax	Bond	Road & Bridge Lev	Consult Eng	County Eng	ROW	Grading	Bridges	Pavement		Utilities Misc.	TOTAL COST	
Planning and Cooperative Projects for 2025 Proj.																									
	CSAH 2 - CSAH 11 to 305th St.	Design		480,499	0											480,499	390,499	0	90,000				480,499	SAP 064-602-025 / Pay consultant w/ reserves until const. begins	
	Subtotal Planning Projects		0	480,499	0	0	0	0	0	0	0	0	0	0	0	480,499	390,499	0	90,000	0	0	0	480,499		
Grading Projects																									
	Subtotal Grading Projects		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Paving Projects																									
	CSAH 8 - TH 14 to MN 68 2" Mill, 3" Overlay	S	11	2,839,500	90,491										2,749,009		7,000	82,500				2,750,000	2,839,500	SAP 064-608-031	
	CSAH 7 - Belview to N. Co. Line 2" Mill, 4" Overlay, Edge Drain	S	6	2,233,000	602,249												1,174,000	456,751				2,100,000	2,233,000	SAP 064-607-050	
	CSAH 10 - MN 68 to Vesta 0.5 mile thru Lucan, 2" Mill, 3" Overlay	S	7.5	2,704,211	2,704,211	0												7,000	78,560			2,618,652	2,704,211	SAP 064-610-033	
	Subtotal Bituminous Projects		24.5	7,776,711	3,396,951	0	0	0	0	0	0	1,174,000	456,751	2,749,009	0	84,000	224,060	0	0	0	0	7,468,652	7,776,711		
Bridge Projects																									
	L8558 Waterbury Twshp Grandview Ave (Posted 16-24)	TBD		720,975																		665,975	720,975	SAP 064-599-115	
	L9301 Three Lakes Twshp 270th St (Posted 5-0-0)	Box		453,298																		405,000	453,298	SAP 064-599-132	
	L6900 Underwood Twshp Balsa Ave (Posted 16-24)	Box		453,298																		405,000	453,298	SAP 064-599-131	
	Subtotal Bridge Projects		0	1,627,571	0	0	0	0	0	1,567,571	60,000	0	0	0	0	96,596	55,000	0	0	0	1,475,975	0	1,627,571		
Miscellaneous Projects																									
	Pavement Markings			125,000																			125,000	125,000	
	Chip Seal			1,305,000																			1,300,000	1,305,000	SAP 064-030-019
	CSAH 10 Culvert Replacements			200,000																			200,000	200,000	SAP 064-610-034
	CSAH 7 Culvert Replacements			200,000																			200,000	200,000	SAP 064-607-051
	Bond Repayment (\$310,000)			310,000	310,000																		310,000	310,000	
	4 EV Charging Stations & Parking Pad Project			409,133	83,453		325,680										54,133	5,000	0				350,000	409,133	SP 064-596-001
	Construction Contingencies			0																			0	0	
	Subtotal Miscellaneous		0	2,549,133	393,453	0	325,680	0	0	0	0	0	0	1,705,000	125,000	54,133	10,000	0	0	0	0	1,610,000	875,000	2,549,133	
YEAR 2024 TOTAL			24.5	12,433,914	3,790,404	0	325,680	0	0	1,567,571	60,000	1,174,000	456,751	4,454,009	605,499	625,228	289,060	90,000	0	1,475,975	9,078,652	875,000	12,433,914		
AVAILABLE				12,508,917	3,516,018	446,140	325,680	0	0	1,567,571	60,000	1,174,000	360,000	4,454,009	605,499										
				Difference	(274,386)	446,140	0	0	0	0	0	0	(96,751)	0	0										

Project type: S=Surfacing, R=Reconstruction.
 CSAH Reg: 2023 distribution x 1.034% per Feb 2023 projections.
 CSAH Muni: 2023 distribution x 1.034% per Feb 2023 projections.
 Federal:
 State:
 Town Bridge:
 Wheelage Tax: Payoff 2023 Bridge Projects
 Sales Tax: Need to add CSAH 8 to the Sales Tax Project List
 Road & Bridge Local Levy:

Table 3: 2025 Project Funding & Expenses

Project	Project Description	Project Type	Length Miles	Source of Funds											Cost Estimate							Comments		
				TOTAL FUNDS	CSAH Reg	CSAH Mun	Federal Regular	Federal Other	State or St Bonds	Town Bridge	Township City	Sales Tax	Wheelage Tax	Bond	Road & Bridge Lev	Consult Eng	County Eng	ROW	Grading	Bridges	Pavement		Utilities Misc.	TOTAL COST
Planning and Cooperative Projects for 2026 Proj.																								
																						0		
	Subtotal Planning Projects		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Grading Projects																								
	CSAH 7 - Belview (Contingent on LRIP funds)	R	0.51	3,060,000	(191,264)	827,264	1,250,000														2,550,000	3,060,000	Needs \$1.25M in LRIP funding	
	Subtotal Grading Projects		0.51	3,060,000	(191,264)	827,264	0	1,250,000	0	0	0	1,174,000	0	0	0	433,500	76,500	0	0	0	2,550,000	0	3,060,000	
Paving Projects																								
	CSAH 9 - CSAH 7 to Belview City Limits	S	0.25	125,000	125,000																	125,000	125,000	
	CSAH 9 - CSAH 7 to West County Line	S	1.5	375,000	375,000																		375,000	375,000
	CSAH 17 - CSAH 25 to CSAH 9	S	3.4	1,060,800	1,060,800																	1,020,000	1,060,800	M&O
	CSAH 46 - W Co. Line to 1.5 mile East CSAH 8	S	4.5	1,287,000	1,287,000																		1,237,500	1,287,000
	Subtotal Bituminous Projects		9.65	2,847,800	2,847,800	0	0	0	0	0	0	0	0	0	22,575	67,725	0	0	0	0	2,757,500	0	2,847,800	
Bridge Projects																								
	L9886 Gales Twshp 170th St (Posted 18-32-32)	Box		675,000																		630,000	675,000	SAP 064-599-135
	L9348 Sherman Twshp Porter Ave (Posted 10-18-1)	TBD		638,944																		594,200	638,944	SAP 064-599-133
	4329 CSAH 1	Box		688,253	443,662																	640,223	688,253	SAP 064-601-018
	64513 CR 70	TBD		776,800																		706,800	776,800	
	89888 CR 65	Br.		1,808,525																		1,713,525	1,808,525	
	Bridge Contingencies - Wheelage Tax			45,000																		45,000	45,000	
	Subtotal Bridge Projects		0	4,632,522	443,662	0	0	0	2,514,916	1,273,944	40,000	0	360,000	0	0	177,774	100,000	25,000	0	0	4,329,748	0	4,632,522	
Miscellaneous Projects																								
	Pavement Markings			130,000																			130,000	130,000
	Bond Repayment (\$325,000)			325,000	325,000																		325,000	325,000
	Construction Contingencies			0																			0	0
	Subtotal Miscellaneous		0	455,000	325,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	325,000	130,000	455,000
YEAR 2025 TOTAL			10.16	10,995,322	3,425,198	827,264	0	1,250,000	2,514,916	1,273,944	40,000	1,174,000	360,000	0	130,000	633,849	244,225	25,000	0	4,329,748	5,632,500	130,000	10,995,322	
AVAILABLE				10,700,576	3,512,076	445,639	0	1,250,000	2,514,916	1,273,944	40,000	1,174,000	360,000	0	130,000									
				<i>Difference</i>	86,878	(381,625)	0	0	0	0	0	0	0	0	0									

Project type: S=Surfacing, R=Reconstruction.
 CSAH Reg: 2023 distribution x 1.034% (2024 increase) x 99.9 (2025 decrease) per Feb 2023 projections.
 CSAH Muni: Carry forward \$381,625 from 2024. 2023 distribution x 1.034% (2024 increase) x 99.9 (2025 decrease) per Feb 2023 projections.
 Federal: \$1,250,000 for CSAH 7 LRIP Project in 2027, if funding is received.
 State:
 Town Bridge:
 Wheelage Tax: Payoff 2023 Bridge Projects
 Sales Tax:
 Road & Bridge Local Levy:

Table 4: 2026 Project Funding & Expenses

Project	Project Description	Project Type	Length Miles	Source of Funds											Cost Estimate							Comments	
				TOTAL FUNDS	CSAH Reg	CSAH Mun	Federal Regular	Federal Other	State or St Bonds	Town Bridge	Township City	Sales Tax	Wheelage Tax	Bond	Road & Bridge Lev	Consult Eng	County Eng	ROW	Grading	Bridges	Pavement		Utilities Misc.
Planning and Cooperative Projects for 2027 Proj.																							
			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Subtotal Planning Projects			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Grading Projects																							
			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Subtotal Grading Projects			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Paving Projects																							
	CSAH 7 - TH 14 to CSAH 26	S	4	1,456,000	1,456,000											14,000	42,000				1,400,000	1,456,000	
	CSAH 7 - S. Co. Line to TH 14 (Revere)	S	2	728,000	728,000	0										7,000	21,000				700,000	728,000	
	CSAH 127 - CSAH 7 thru Revere	S	0.38	593,750	145,110	448,640										80,750	38,000				475,000	593,750	
	CSAH 5 - S. Limits Walnut Grove to CR 57	S	4.5	1,654,578	480,578							1,174,000				15,909	47,728				1,590,941	1,654,578	
Subtotal Bituminous Projects			10.88	4,432,328	2,809,688	448,640	0	0	0	0	0	1,174,000	0	0	0	117,659	148,728	0	0	0	4,165,941	4,432,328	
Bridge Projects																							
	L6933 Kintire Twshp Harvest Ave	TBD		531,600						511,600	20,000					40,000	25,000			466,600		531,600	
	64505 Brookville Twshp Prairie Ave	Br.		938,325						918,325	20,000					40,000	25,000			873,325		938,325	
	89850 CSAH 17	Br.		4,425,250	490,000		2,825,250				750,000		360,000			500,000	100,000			3,825,250		4,425,250	SAP 064-617-032 / \$500k Renville
Subtotal Bridge Projects			0	5,895,175	490,000	0	2,825,250	0	0	1,429,925	790,000	0	360,000	0	0	580,000	150,000	0	0	5,165,175	0	0	5,895,175
Miscellaneous Projects																							
	Pavement Markings			130,000																		130,000	130,000
	Bond Repayment (340,000)			340,000	340,000																340,000		340,000
	Construction Contingencies			0																		0	0
Subtotal Miscellaneous			0	470,000	340,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	340,000	130,000	470,000
YEAR 2026 TOTAL			10.88	10,797,503	3,639,688	448,640	2,825,250	0	0	1,429,925	790,000	1,174,000	360,000	0	130,000	697,659	298,728	0	0	5,165,175	4,505,941	130,000	10,797,503
AVAILABLE				10,693,542	3,535,727	448,640	2,825,250	0	0	1,429,925	790,000	1,174,000	360,000	0	130,000								
				Difference	(103,962)	0	0	0	0	0	0	0	0	0	0								

Project type: S=Surfacing, R=Reconstruction.
 CSAH Reg: 2023 distribution x 1.034% (2024 increase) x 99.9% (2025 decrease) x 100.7% (2026 increase) per Feb 2023 projections.
 CSAH Muni: 2023 distribution x 1.034% (2024 increase) x 99.9% (2025 decrease) x 100.7% (2026 increase) per Feb 2023 projections.
 Federal: \$2,825,250 approved for 2026 construction or rehab of Goldmine Bridge.
 State:
 Town Bridge: \$750,000 is for Renville County's share of the CSAH 17 bridge replacement.
 Wheelage Tax: Payoff 2023 Bridge Projects in amount of \$226k
 Sales Tax:
 Road & Bridge Local Levy:

Table 5: 2027 Project Funding & Expenses

Project	Project Description	Project Type	Length Miles	Source of Funds										Cost Estimate							Comments	
				TOTAL FUNDS	CSAH Reg	CSAH Mun	Federal Regular	Federal Other	State or St Bonds	Town Bridge	Township City	Sales Tax	Wheelage Tax	Bond	Road & Bridge Lev	Consult Eng	County Eng	ROW	Grading	Bridges		Pavement
Planning and Cooperative Projects for 2028 Proj.																						
0																						
Subtotal Planning Projects		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Grading Projects																						
0																						
Subtotal Grading Projects		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Paving Projects																						
	CSAH 4 - West County Line to TH 71	S	23	7,824,600	3,060,600		3,590,000								75,237	225,710				7,523,654	7,824,600	SP 064-604-057
Subtotal Bituminous Projects		23	7,824,600	3,060,600	0	3,590,000	0	0	0	1,174,000	0	0	0	75,237	225,710	0	0	0	7,523,654	0	7,824,600	
Bridge Projects																						
	L6927 Sheridan Twshp Garden Ave	Box		530,525						510,525	20,000				25,000	15,000				490,525	530,525	
	L6945 Delhi Twshp Impala Ave	TBD		555,525						535,525	20,000				40,000	25,000				490,525	555,525	SAP 064-599-137
	L9451 Paxton Twshp 310th St	Box		445,000						425,000	20,000				25,000	15,000				405,000	445,000	
	Reserve for Emergent Road & Br Projects			360,000									360,000							360,000	360,000	
Subtotal Bridge Projects		0	1,891,050	0	0	0	0	0	1,471,050	60,000	0	360,000	0	0	90,000	55,000	0	0	1,746,050	0	0	1,891,050
Miscellaneous Projects																						
	Pavement Markings			135,000																	135,000	135,000
	Bond Repayment (355,000)			355,000	355,000																355,000	355,000
	Construction Contingencies			0																	0	0
Subtotal Miscellaneous		0	490,000	355,000	0	0	0	0	0	0	0	0	135,000	0	0	0	0	0	0	355,000	135,000	490,000
YEAR 2027 TOTAL		23	10,205,650	3,415,600	0	3,590,000	0	1,471,050	60,000	1,174,000	360,000	0	135,000	165,237	280,710	0	0	1,746,050	7,878,654	135,000	10,205,650	
AVAILABLE			10,823,278	3,579,086	454,142	0	3,590,000	0	1,471,050	60,000	1,174,000	360,000	0	135,000								
			Difference	163,485	454,142	0	0	0	0	0	0	0	0	0								

Project type: S=Surfacing, R=Reconstruction.
 CSAH Reg: 2023 distribution x 1.034% (2024 increase) x 99.9% (2025 decrease) x 100.7% (2026 increase) x 101.2% (2027 increase) per Feb 2023 projections.
 CSAH Muni: 2023 distribution x 1.034% (2024 increase) x 99.9% (2025 decrease) x 100.7% (2026 increase) x 101.2% (2027 increase) per Feb 2023 projections.
 Federal:
 State:
 Town Bridge:
 Wheelage Tax:
 Sales Tax:
 Road & Bridge Local Levy:

Table 6: 2028 Project Funding & Expenses

Project	Project Description	Project Type	Length Miles	Source of Funds											Cost Estimate							Comments			
				TOTAL FUNDS	CSAH Reg	CSAH Mun	Federal Regular	Federal Other	State or St Bonds	Town Bridge	Township City	Sales Tax	Wheelage Tax	Bond	Road & Bridge Lev	Consult Eng	County Eng	ROW	Grading	Bridges	Pavement		Utilities Misc.	TOTAL COST	
Planning and Cooperative Projects for 2029 Proj.																									
																						0			
	Subtotal Planning Projects		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Grading Projects																									
	CSAH 30 - TH 19 to CSAH 10 (Vesta)	R	0.5	3,000,000	2,091,716	908,284															425,000	75,000	2,500,000	3,000,000	Reconstruct
	Subtotal Grading Projects		0.5	3,000,000	2,091,716	908,284	0	0	0	0	0	0	0	0	425,000	75,000	0	0	0	0	2,500,000	0	3,000,000	0	
Paving Projects																									
	CSAH 106 - CSAH 15 to Concrete 106 (Lamberton)	S	0.65	514,800	514,800																4,950	14,850	495,000	514,800	M&O
	CSAH 8 - TH 19 to CSAH 46	S	5.8	1,809,600	635,600																17,400	52,200	1,740,000	1,809,600	M&O
	CSAH 6 - CSAH 15 to TH 14 (Lamberton)	S	1	624,000	624,000																6,000	18,000	600,000	624,000	M&O
	Subtotal Bituminous Projects		7.45	2,948,400	1,774,400	0	0	0	0	0	0	1,174,000	0	0	28,350	85,050	0	0	0	0	2,835,000	0	2,948,400	0	
Bridge Projects																									
	L8563 Westline Twshp Bunker Ave	Box		445,000																	25,000	15,000	405,000	445,000	
	L8764 Granite Rock Twshp Duncan Ave	Box		445,000																	25,000	15,000	405,000	445,000	
	Reserve for Emergent Road & Br Projects			360,000																		360,000		360,000	
	Subtotal Bridge Projects		0	1,250,000	0	0	0	0	0	850,000	40,000	0	360,000	0	50,000	30,000	0	0	0	0	1,170,000	0	1,250,000	0	
Miscellaneous Projects																									
	Pavement Markings			135,000																				135,000	135,000
	Bond Repayment (375,000)			375,000	375,000																			375,000	375,000
	Construction Contingencies			0																				0	0
	Subtotal Miscellaneous		0	510,000	375,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	375,000	135,000	510,000	0	
YEAR 2027 TOTAL			7.95	7,708,400	4,241,116	908,284	0	0	0	850,000	40,000	1,174,000	360,000	0	503,350	190,050	0	0	1,170,000	5,710,000	135,000	7,708,400	0		
AVAILABLE				6,592,228	3,579,086	454,142	0	0	0	850,000	40,000	1,174,000	360,000	0	135,000	0	0	0	0	375,000	135,000	510,000	0		
				Difference	(662,030)	(454,142)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Project type: S=Surfacing, R=Reconstruction.
 CSAH Reg: 2023 distribution x 1.034% (2024 increase) x 99.9% (2025 decrease) x 100.7% (2026 increase) x 101.2% (2027 increase) x 100% (2028 increase) per Feb 2023 projections.
 CSAH Muni: Carry forward \$454,142 from 2027. 2023 distribution x 1.034% (2024 increase) x 99.9% (2025 decrease) x 100.7% (2026 increase) x 101.2% (2027 increase) x 100% (2028 increase) per Feb 2023 projections.
 Federal:
 State:
 Town Bridge:
 Wheelage Tax:
 Sales Tax:
 Road & Bridge Local Levy:

Table 7: Unfunded Projects

Project	Project Description	Project Type	Length Miles	TOTAL FUNDS	Source of Funds									Cost Estimate							Comments		
					CSAH Reg	CSAH Mun	Federal Regular	Federal Other	State or St Bonds	Town Bridge	Township City	Sales Tax	Wheelage Tax	Bond	Road & Bridge	Consult Eng	County Eng	ROW	Grading	Bridges		Pavement	Utilities Misc.
Planning and Cooperative Projects																							
Subtotal Planning Projects			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Grading Projects																							
CSAH 2 - 305th St to CSAH 11	R	3.5	4,276,520	4,276,520											5,000	305,520	147,000	3,819,000			4,276,520	SAP 064-602-025 GRADING	
CSAH 2 - 305th St to CSAH 11	R	3.5	1,517,190	1,517,190												44,190				1,473,000		1,517,190	SAP 064-602-025 PAVING
Subtotal Grading Projects			7	5,793,710	5,793,710	0	0	0	0	0	0	0	0	0	5,000	349,710	147,000	3,819,000	0	1,473,000	0	5,793,710	
Paving Projects																							
CSAH 5 - CR 57 to TH 19	S	12	3,744,000	3,744,000											36,000	108,000				3,600,000		3,744,000	M&O
CSAH 6 - CSAH 15 to TH 14	S	1	624,000	624,000											6,000	18,000				600,000		624,000	M&O
CSAH 7 - TH 19 to Belview	S	3.9	1,216,800	1,216,800											11,700	35,100				1,170,000		1,216,800	M&O
CSAH 7 - CSAH 26 to MN 68	S	10	3,120,000	3,120,000											30,000	90,000				3,000,000		3,120,000	M&O
CSAH 10 - CSAH 4 to MN 68	S	5	1,560,000	1,560,000											15,000	45,000				1,500,000		1,560,000	M&O
CSAH 18 - MN 68 to CSAH 7	S	5	1,560,000	1,560,000											15,000	45,000				1,500,000		1,560,000	M&O
CSAH 17 - TH 14 to 1 mi N CSAH 4	S	8	4,160,000	4,160,000											40,000	120,000				4,000,000		4,160,000	CIR / FDR
CR 78 - CSAH 5 to CSAH 20	S	2.4	748,800	748,800											7,200	21,600				720,000		748,800	M&O
CSAH 106 - CSAH 15 to Concrete 106	S	0.65	514,800	514,800											4,950	14,850				495,000		514,800	M&O
CSAH 133 - CSAH 18 to CSAH 6	S	1	312,000	312,000											3,000	9,000				300,000		312,000	M&O
Subtotal Bituminous Projects			48.95	17,560,400	17,560,400	0	0	0	0	0	0	0	0	0	168,850	506,550	0	0	0	16,885,000	0	17,560,400	
Bridge Projects																							
See Redwood County Bridge Priority List (Exhibit D, E)																							
Subtotal Bridge Projects			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Miscellaneous Projects																							
Subtotal Miscellaneous			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
YEAR UNFUNDED TOTAL			55.95	23,354,110	23,354,110	0	0	0	0	0	0	0	0	0	173,850	856,260	147,000	3,819,000	0	18,358,000	0	23,354,110	
AVAILABLE																							

Difference (23,354,110) 0 0 0 0 0 0 0 0 0 0 0 0 0

Project type: S=Surfacing, R=Reconstruction.

TABLE 8: Summary Table - Planned, Projected and Unfunded Projects

PLANNED ROAD AND BRIDGE CONSTRUCTION EXPENSES 2023-2028

Year	Total	CSAH Regular Const.	CSAH Municipal Const.	Federal Regular	Federal Other	State Bonds	Town Bridge	Township / City	Sales Tax	Wheelage Tax	Bond	Road & Bridge Levy
2023	24,583,619	3,009,117	496,150	125,000	1,250,000	3,989,555	5,471,208	797,043	1,347,754	263,249	7,731,451	103,092
2024	12,433,914	3,790,404	0	325,680	0	0	1,567,571	60,000	1,174,000	456,751	4,454,009	605,499
2025	10,995,322	3,425,198	827,264	0	1,250,000	2,514,916	1,273,944	40,000	1,174,000	360,000	0	130,000
2026	10,797,503	3,639,688	448,640	2,825,250	0	0	1,429,925	790,000	1,174,000	360,000	0	130,000
2027	10,205,650	3,415,600	0	0	3,590,000	0	1,471,050	60,000	1,174,000	360,000	0	135,000
2028	7,708,400	4,241,116	908,284	0	0	0	850,000	40,000	1,174,000	360,000	0	135,000
TOTAL:	76,724,408	21,521,124	2,680,338	3,275,930	6,090,000	6,504,471	12,063,698	1,787,043	7,217,754	2,160,000	12,185,460	1,238,591

PROJECTED AVAILABLE FUNDS FOR ROAD AND BRIDGE CONSTRUCTION 2023-2028

Year	Total	CSAH Regular Const.	CSAH Municipal Const.	Federal Regular	Federal Other	State Bonds	Town Bridge	Township / City	Sales Tax	Wheelage Tax	Bond	Road & Bridge Levy
2023	24,343,800	2,766,154	431,635	125,000	1,250,000	3,989,555	5,471,208	797,043	1,347,754	360,000	7,731,451	74,000
2024	12,508,917	3,516,018	446,140	325,680	0	0	1,567,571	60,000	1,174,000	360,000	4,454,009	605,499
2025	10,700,576	3,512,076	445,639	0	1,250,000	2,514,916	1,273,944	40,000	1,174,000	360,000	0	130,000
2026	10,693,542	3,535,727	448,640	2,825,250	0	0	1,429,925	790,000	1,174,000	360,000	0	130,000
2027	10,823,278	3,579,086	454,142	0	3,590,000	0	1,471,050	60,000	1,174,000	360,000	0	135,000
2028	6,592,228	3,579,086	454,142	0	0	0	850,000	40,000	1,174,000	360,000	0	135,000
TOTAL:	75,662,339	20,488,146	2,680,338	3,275,930	6,090,000	6,504,471	12,063,698	1,787,043	7,217,754	2,160,000	12,185,460	1,209,499

DIFFERENCE: PROJEJCTED FUNDS MINUS PLANNED EXPENSES

Year	Total	CSAH Regular Const.	CSAH Municipal Const.	Federal Regular	Federal Other	State Bonds	Town Bridge	Township / City	Sales Tax	Wheelage Tax	Bond	Road & Bridge Levy
2023	(239,819)	(242,963)	(64,515)	0	0	0	(0)	0	0	96,751	0	(29,092)
2024	75,002	(274,386)	446,140	0	0	0	0	0	0	(96,751)	0	0
2025	(294,746)	86,878	(381,625)	0	0	0	0	0	0	0	0	0
2026	(103,961)	(103,962)	0	0	0	0	0	0	0	0	0	0
2027	617,627	163,485	454,142	0	0	0	0	0	0	0	0	0
2028	(1,116,172)	(662,030)	(454,142)	0	0	0	0	0	0	0	0	0
TOTAL:	(1,062,069)	(1,032,977)	0	0	0	0	0	0	0	0	0	(29,092)

UNFUNDED ROAD PROJECTS

Year	Total	CSAH Regular Const.	CSAH Municipal Const.	Federal Regular	Federal Other	State Bonds	Town Bridge	Township / City	Sales Tax	Wheelage Tax	Bond	Road & Bridge Levy
20XX	23,354,110	23,354,110	0	0	0	0	0	0	0	0	0	0

UNFUNDED BRIDGE PROJECTS

Year	Total	CSAH Regular Const.	CSAH Municipal Const.	Federal Regular	Federal Other	State Bonds	Town Bridge	Township / City	Sales Tax	Wheelage Tax	Bond	Road & Bridge Levy
20XX	51,412,566	15,431,555	0	0	0	17,932,377	16,728,675	660,000	0	0	0	659,959

Table 9: Pavement Rehabilitation Miles By Year	
Year	Pavement Rehab Miles
2023	57.2
2024	24.5
2025	10.2
2026	10.9
2027	23.0
2028	8.0
TOTAL:	102.8
UNFUNDED:	56.0