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Benton County Public Works Department

2023-2027 Five-Year Road Construction Plan

Adopted by the County Board on 07/19/2022



Benton County Public Works Department Summary

Benton County Public Works Department is responsible for the maintenance and construction of County State Aid Highways (CSAH) and County Roads (CR). Additionally, there are 112 bridges that the Department is responsible for the routine safety inspections and the maintenance thereof. Routine maintenance of our CSAH and CR include snow and ice removal, pothole patching, filling of cracks, mowing of roadsides, and sign installation/replacement. Construction of our CSAH and CR requires our

Public Works/Highway Department

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department to perform preliminary and topographic surveys, right-of-way acquisition, road design, construction administration, and construction inspection. While most of our routine maintenance is completed by in-house staff, the construction work is performed by contractors selected after receiving sealed bids. A contract is awarded to the lowest responsible bidder.

Benton County Roadway Descriptions

There are two main categories that the Benton County Highway system is divided into. These are:

- County State Aid Highways (CSAH) are comprised of both rural and municipal roads. These are all numbered 1 through 33 and are denoted by a blue pentagon-shaped sign. These roads are supported by the Minnesota Highway User Tax Distribution Fund (HUTDF). This is funded in majority by Minnesota’s 28.5 cent/gallon motor fuel tax and license tab fees. The sales tax on motor vehicles and a portion of the sales tax on auto parts also contribute to this fund. Benton County receives an allotment each year for construction and maintenance of these roads.
- County Roads (CR) are supported solely by local sources of revenue. For routine maintenance activities on CR, the funding sources include the Wheelage Tax and property tax levy. For construction or reconstruction, the funding source include Wheelage Tax and the Local Option Sales Tax (LOST) for Transportation. Property Taxes are not being used for CR construction projects.

Summary of Benton County Highway System

Category	Paved Miles	Gravel Miles	Total Miles
County State Aid Highways	225.2	0.0	225.2
County Roads	121.2	105.0	226.2
Total	346.4	105.0	451.2

Benton County Public Works 5-Year Road Construction Plan

The primary purpose of this Plan is to provide a planning document that can be shared with the public and various neighboring agencies. This helps facilitate coordination and collaboration. Since construction projects take multiple years to plan, design, acquire road right-of-way and navigate through environmental permitting, this plan provides guidance to the Public Works staff on where to focus staff time. This document is also used to apply for various grants and other outside funding sources.

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This plan was developed with input from all divisions of the Public Works Department and considering multiple factors such as pavement strength, pavement condition, pavement age, traffic volume, structure condition, accessibility to funding, geographical location, and overall department workload. This current version of the plan was also discussed with the County Board at a Committee of the Whole/Road Tour on June 14, 2022. Then discussed in greater detail with the County Board at a Committee of the Whole on July 12, 2022.

Please note that this is only a plan. The intent of which, is to provide guidance as to budgeting and programming of workload and that the plan is updated on annual basis to account for changes in infrastructure conditions, average construction costs and available funding. It is also important to point out that later years are subject to change due to various reasons, including but not limited to, cost escalation, funding ability, and other unforeseen issues.

Questions or Comments

Please feel free to contact the Benton County Public Works Department by phone at 320-968-5051, by email at cbyrd@co.benton.mn.us or in person at 7752 Highway 25 NE, Foley, MN 56329.

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Road Construction Program 2023-2027

Year #1	Construction Year <u>2023</u>						State Aid Funds		Transportation Sales Tax			Wheelage Tax	Additional Funding Sources
	Road No.	Project Description	Project Length	ADT (vpd)	Age (yrs)	Type of Work	Total Project Cost	State Aid Construction	State Aid Municipal	CSAH Roads	County Roads	Econ. Development	
	1	CSAH 29 to CR 78	3.3	3,300	27	Reclaim	\$1,485,000	\$1,485,000					
	1	CR 78 to CSAH 2	6	1,200	27	Reclaim	\$2,700,000			\$2,700,000			
	2	CSAH 1 to TH 25	1	1,850	27	Reclaim	\$450,000						\$450,000
	4	CSAH 1 to Popple Creek	5	1,550	20	Reclaim	\$2,000,000			\$2,000,000			
	13	TH 10 to CSAH 1	3.1	1,500	20	Mill & Olay	\$697,500			\$697,500			
	15	CSAH 1 to CR 58	1.5	620	23	Reclaim	\$600,000	\$600,000					
	21	CSAH 12 to Morrison Co	4.5	970	30+	Reclaim	\$1,575,000	\$1,575,000					
	45	CSAH 1 to CSAH 8	2	2,200	20	Mill & Olay	\$400,000				\$400,000		
	56	CSAH 12 to Morrison County	3	350	47	Reclaim	\$1,125,000				\$1,125,000		
	62	From TH 95 to TH 23	4.5	250	22	Reclaim	\$1,800,000					\$1,800,000	
Construction Totals=							3,660,000	0	5,397,500	1,525,000	1,800,000	450,000	

Year #2	Construction Year <u>2024</u>						State Aid Funds		Transportation Sales Tax			Wheelage Tax	Additional Funding Sources
	Road No.	Project Description	Project Length	ADT (vpd)	Age (yrs)	Type of Work	Total Project Cost	State Aid Construction	State Aid Municipal	CSAH Roads	County Roads	Econ. Development	
	3 & 5	Within Gilman	1	1,550	32	Reconstruct	\$2,140,000		\$2,140,000				\$0
	7	TH 95 to CSAH 4	5	720	30+	Reconstruct	\$5,125,000			\$1,886,645			\$3,238,355 Federal STBGP
	13	Bridge Over Elk River	1	425	56	Br. Replace	\$905,520	\$181,104					\$724,416.0 Federal BROS
	12	Bridge over Little Rock Crk	1	1,000	57	Br. Replace	\$623,739	\$124,748					\$498,991.2 Federal BROS
	25	TH 95 to Sherburne Co Line	2	800	19	Reclaim	\$800,000			\$800,000			
	25	TH 95 to TH 23	2.25	405	19	Mill & Olay	\$337,500			\$337,500			
Construction Totals=							305,852	2,140,000	3,024,145	0	0	0	4,461,762

Year #3	Construction Year <u>2025</u>						State Aid Funds		Transportation Sales Tax			Wheelage Tax	Additional Funding Sources
	Road No.	Project Description	Project Length	ADT (vpd)	Age (yrs)	Type of Work	Total Project Cost	State Aid Construction	State Aid Municipal	CSAH Roads	County Roads	Econ. Development	
	7	Sherburne Co to TH 95	2	1050	18	Reclaim	\$800,000	\$800,000					
	22	Birdge over Rum River	1	570	n/a	Br. Replace	\$754,600	\$150,920					\$603,680.00 Federal BROS
	33	CSAH 3 to TH 15	1.25	9,700	20	Mill & Olay	\$312,500			\$312,500			
	50	TH 23 to CR 62	4	68	N/A	Pave Gravel	\$2,200,000					\$2,200,000	
	51	Bridge over Stony Brook	1	510	n/a	Br. Replace	\$731,500						\$146,300 \$585,200.00 Federal BROS
	53	CSAH 7 to TH 23 (Oak Park)	0.5	140	18	Reclaim	\$187,500				\$187,500		
	66	CSAH 5 to CSAH 22	5	170	24	Recond.	\$2,125,000				\$2,125,000		
Construction Totals=							950,920	0	312,500	2,312,500	2,200,000	146,300	1,188,880

**Road Construction Program
2023-2027**

Year #4		Construction Year <u>2026</u>					State Aid Funds		Transportation Sales Tax			Wheelage Tax	Additional Funding Sources	
Road No.	Project Description	Project Length	ADT (vpd)	Age (yrs)	Type of Work	Total Project Cost	State Aid Construction	State Aid Municipal	CSAH Roads	County Roads	Econ. Development	Wheelage Tax		
2	TH 10 to CSAH 1	4.6	1100	24	Reconstruct	\$4,830,000	\$1,442,360					\$627,640	\$2,760,000	Federal STBGP
3	CSAH 1 to Popple Creek	7.5	2050	18	Reclaim	\$3,375,000	\$3,375,000							
10	Sherburne Co Line to TH 25	1.8	750	20	Reclaim	\$700,000						\$700,000		
23	CR 48 to CSAH 10	0.5	410	19	Reclaim	\$200,000						\$200,000		
43	Penn Ave to TH 23	0.25	850	10	Reconstruct	\$650,000						\$650,000		
43	CSAH 3 to Foley	5	1050	17	Mill & Olay	\$750,000				\$750,000				
57	CSAH 3 to CSAH 29	1.5	400	27	Recondition	\$1,125,000				\$875,000		\$250,000		
Construction Totals=							4,817,360	0	0	1,625,000	0	2,427,640	2,760,000	

Year #5		Construction Year <u>2027</u>					State Aid Funds		Transportation Sales Tax			Wheelage Tax	Additional Funding Sources	
Road No.	Project Description	Project Length	ADT (vpd)	Age (yrs)	Type of Work	Total Project Cost	State Aid Construction	State Aid Municipal	CSAH Roads	County Roads	Econ. Development	Wheelage Tax		
6	Sherburne Co Line to CSAH 4	7.25	550	11	Reclaim	\$2,900,000	\$2,900,000							
11	CSAH 12 to Morrison Co. Line	3.1	225	60	Reclaim	\$1,240,000	\$1,240,000							
22	CSAH 9 to Mille Lacs Co Line	1	540	20	Reclaim	\$400,000	\$400,000							
75	St Cloud to CSAH 1	0.5	830	8	Reclaim	\$200,000				\$200,000				
Construction Totals=							9,357,360	0	0	2,700,000	0	2,677,640		