RAMSEY COUNTY
Public Works

2018-2022
TRANSPORTATION IMPROVEMENT PROGRAM



Keller Parkway around Gervais Lake. Date Completed: 10.10.17

RAMSEY COUNTY
Public Works

2018 - 2022
Transportation Improvement Program and Deficient Bridge Program

RAMSEY COUNTY BOARD OF COMMISSIONERS

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INTRODUCTION

The Ramsey County Department of Public Works is responsible for providing the network of County roads that, combined with the Interstate Highway system, the State Trunk Highway system, and the municipal street system, serves the needs of the travelling public and bus-based transit in the County. Ramsey County consists of 108,864 acres of land (170.1 square miles) with a 2010 population of 508,640.

There are two types of roads under the jurisdiction of the County: County State Aid Highways, totaling 264.108 miles and generally numbered from 1 through 79, plus 88, 96, and 149, whose construction and maintenance are funded primarily from the Minnesota Highway User Tax Distribution Fund. County roads, totaling 21.031 miles in length and numbered 80 through 163, which are funded from property taxes. All of these roads and the 59 bridges on them require monitoring and maintenance by the Public Works Department of Ramsey County. The improvements scheduled to be performed to these roads and bridges are in the years 2017-2021 are contained in this Transportation Improvement Program.

The Transportation Improvement Program was developed by assessing the condition of the existing system and its ability to meet the public's needs. Deficiencies were analyzed and alternatives to correct them considered. Priorities were established through community involvement. The need for a project is considered along with technical staff capabilities and funding availability. Scores were developed for projects by assessing these and other factors to determine how projects should be prioritized for implementation.

The Department of Public Works has reinstated a process to solicit projects from municipalities. Quarterly meetings will be held with municipal engineers and their input will be used to identify and prioritize projects.

As the population of the Twin Cities metropolitan area grows, it will not be feasible to serve the area's transportation needs by expanding the road systems. Strategic initiatives to mitigate congestion and improve the efficiency of the system, and to complement transit, will become crucial to the viability of the road system. As projects are identified to manage traffic, they will be incorporated in the Transportation Improvement Plan.

The Transportation Improvement Program consists of a five-year schedule of projects proposed for implementation by the Ramsey County Department of Public Works. The first year of the Transportation Improvement Program includes identified projects that will be implemented upon acceptance of the public involvement process and the availability of funds.

There are seven categories of projects included in the Transportation Improvement Program: construction projects for 2017, maintenance projects for 2017, capital improvement projects for 2018, 2019, 2020, and 2021 and a bridge improvement program.

The estimated costs identified in this program are based on Ramsey County's experience in the reconstruction of similar roadways. The expected cost of preliminary and construction engineering, estimated at 25% of the total construction cost, and right of way acquisition, based on current comparable costs, are included in the project estimates.

The Ramsey County cost participation policy is included as Appendix B. This policy was revised by the Ramsey County Board of Commissioners as part of the 2013-2017 TIP on May 28, 2013.

A tabulation of deficient bridges is found on Page 12. Bridges are inspected biannually to assess their condition.

A tabulation of identified pavement deficiencies is included on Page 12. These will be prioritized to determine subsequent years' maintenance projects.

A summary of projects from 2016, and of projects from previous years that are not yet completed, is included in Appendix A. With the increasing complexity of road construction, it will become more common for projects to carry over from their starting year into a second, or even third, construction season, so the Transportation Improvement Program will track projects to their completion.

The Ramsey County Department of Public Works will annually review the projects within the Transportation Improvement Program. Funding for the program will also be reviewed annually. Projects will be added to the program based on the annual funding analysis.

DEFINITIONS OF HEADINGS AND ABBREVIATIONS USED IN TIP

Location:	Name of road
Rd. #:	County Road (CR) or County State Aid Highway (CSAH) number of road
Termini:	Beginning and ending of project
City:	Abbreviation for city or cities in which project is located
Work Proposed:	Type of work to be performed

Funds Types (listed in $ X 1,000): CSAH - County State Aid Highway; County - County contribution; City – municipal contribution; State - State funds; Other- other funds sources; Total - Total cost of the project.

Implementation of projects contained in this Transportation Improvement Program is dependent upon acceptance via the required public involvement process and the availability of funds. Funds indicated may be requested, but will not necessarily be received. If the funds are not received from all sources, the projects could be delayed. Projects must meet acceptable standards as well as other criteria in order to qualify for the funding as shown.

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2018 Construction Projects

Location	Road No.	Termini	Lead Agency	City	Work Proposed	CSAH	County	CTB	City	State	Other	Total
Dale Street	53	Iglehart Ave. to University Ave.	RC	SP	interchange reconstruction	3,000			900		6,010	9,910
County Road F	12	Hamline Ave. to 600' W. of Lexington Ave.	RC	AH	reconstruction	1400			400			1,800
TCAAP Spine Road		CSAH 96 to CR H	RC	AH	construction						11,605	11,605
Mounds View Boulevard	10	Groveland Rd. to Wooddale Dr.	MV	MV	trail construction	40			588			628
Highway 96	96	Snelling Ave. to TH 61	RC	multiple	system management	473					1,894	2,367
Rice Street	49	Rose Ave. to Arlington Ave.	RC	SP	R/W consultant services	200						200
Rice Street	49	N. Owasso Blvd. to Vadnais Blvd.	RC	LC/SV/VH	interchange reconstruction	250			150	2,350		2,750
Larpenteur Avenue	30	Galtier St. to Rice St.	SP	SP	sidewalk construction	38			40			78
Energy Park Drive	32	Snelling Ave. to Lexington Ave.	SP	SP	sidewalk construction	125			125			250
County Road B	25	Dale St. to Sandhurst Dr.	RV	RV	sidewalk construction	28			28			56
Randolph Avenue	38	Cleveland Ave. to Fairview Ave.	SP	SP	sidewalk construction	100			100			200
Eustis Street	127	350' North of Como Ave. to Roselawn Ave.	RC	LD	R/W consultant services	200						200
Maryland Avenue	31	at Edgerton St.	RC	SP	R/W consultant services	200						200
Cleveland Avenue	46	Como Ave. to Larpenteur Ave.	RC	FH/SP	consultant design	795						795
Lexington Parkway	51	at St. Clair Ave.	RC	SP	signal reconstruction	125			125			250
Lexington Parkway	51	at Concordia Ave. and St. Anthony Ave.	RC	SP	signal reconstruction	394				394		788

Location	Road No.	Termini	Lead Agency	City	Work Proposed	CSAH	County	CTB	City	State	Other	Total
Lexington Parkway	51	W. Seventh St. to 850' North	RC	SP	consultant design	200						200
Lexington Parkway	51	W. Seventh St. to 850' North	RC	SP	R/W acquisition	774						774
Lexington Avenue	51	CR E to I-694	RC	AH/SV	consultant design	775						775
Silver Lake Road	44	at Rice Creek Trail and MNRR	RC	NB	R/W acquisition	50						50
Silver Lake Road	44	39th Ave. to Silver Ln.	SA	SA	storm sewer		150		150	300	50	650
County Road B	25	at I-35E	RC	LC/MW	drainage study		220					220
Maryland Avenue	31	at BNSF Railroad	RC	SP	bridge repair		700					700
Warner Road	36	Bridge No. 62634 and 32351	RC	SP	bridge repair		250				800	1,050
Jackson Street	55	Bridge No. 62508	RC	SP	bridge repair		250					250
Various					signal revisions-APS	50						50
Various					RR Xing surface	60						60
Various					guardrail updates	100						100
Various					traffic studies	100						100
Various					pedestrian ramp upgrades	1,500						1,500
Various					bridge consultant services	150						150
Total						**11,127**	**1,570**	**-**	**2,606**	**3,044**	**20,359**	**38,706**

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2018 Maintenance Projects

Location	Road No.	Termini	City	Work Proposed	CSAH	County	City	Total
Como Avenue	31	Hamline Ave. to Lexington Pkwy.	SP	mill & overlay	226			226
County Road E	15	Centerville Rd. to TH 61	VH/GL	mill & overlay	1,236			1,236
County Road J	81	TH 61 to Portland Ave.	WBT	mill & overlay		188		188
Koehler Road	14	Edgerton St.to Centerville Rd.	VH/GL	mill & overlay	771			771
Lexington Parkway	51	James Ave. to University Ave.	SP	mill & overlay		1,046		1,046
Lexington Avenue	51	E. Como Ave. to TH 36	RV/SP	mill & overlay	1,046			1,046
Long Lake Road	45	CR H2 to CR J	NB	mill & overlay		757		757
Old Highway 8	77	CR H to Long Lake Park	NB	mill & overlay		968		968
Prosperity/Hazlewood	64	Arlington Ave. to Larpenteur Ave.	SP	mill & overlay	368			368
Maryland Avenue	31	Greenbriar Ave. to Johnson Pkwy.	SP	mill & overlay		326		326
Warner Avenue	36	Bridge No. 62531	SP	bridge maintenance	900			900
CSAH 96	96	at Sucker Creek	SV	trail realignment		500		500
Hamline Avenue	50	at 3082 Hamline	RV	drainage study		50		50
County Road B	25	at I-35E	LC/MW	drainage study		220		220
Various				guardrail	500			500

Location	Road No.	Termini	City	Work Proposed	CSAH	County	City	Total
Various				drainage repair	825	360		1,185
Various				pedestrian ramps	1,300			1,300
Various				retaining walls	750			750
Various				crack seal	350			350
Various				bridge consultant	150			150
Total					**8,422**	**4,415**	**-**	**12,837**

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2019 Construction Projects

Location	Road No.	Termini	Lead Agency	City	Work Proposed	CSAH	County	CTB	City	State	Other	Total
County Road E/Old Snelling Ave.	15,76	TH 51 to Valentine Lake Rd.	AH	AH	trail construction	136			317		1,100	1,553
Maryland Avenue	31	Clark St. to Edgerton St.	RC	SP	signals/geometrics	105					943	1,048
Lexington Parkway	51	W. 7th St. to 850' N.	RC	SP	reconstruction	1,600			300			1,900
Cleveland Avenue	46	at Randolph Ave.	SP	SP	signal reconstruction	286			95			381
County Road E	15	at Old Snelling Ave.	AH	AH	intersection reconstruction	1,125			375			1,500
County Road D	19	Edgerton St. to Walter St.	RC	LC/MW /VH	major drainage/CIR	1,000			750			1,750
County Road C	23	west County line to Long Lake Rd.	RC	RV	reconstruction	4,500			1,125			5,625
Silver Lake Road	44	at Rice Creek Trail and MNRR	RC	NB	trail and RR Xing upgrade	36					325	361
Edgerton Street	58	at Roselawn Ave.	MW	MW	intersection reconstruction	500			500			1,000
McKnight Road	68	Mailand Rd. to Londin Ln.	SP	SP	sidewalk construction	50			55			105
Lexington Avenue	51	CRE to I-694	RC	AH/SV	R/W consultant services	300						300
Lexington Parkway	51	Shepard Rd. to W. 7th St.	RC	SP	R/W consultant services	300						300
Cleveland Avenue	46	Hendon Ave. to Larpenteur Ave.	RC	FH/SP	R/W consultant services	200						200
Jackson Street	55	Pennsylvania Ave. to Acker St.	RC	SP	consultant design	400						400
Jackson Street	55	Pennsylvania Ave. to Acker St.	RC	SP	R/W consultant services	200						200

Location	Road No.	Termini	Lead Agency	City	Work Proposed	CSAH	County	CTB	City	State	Other	Total
Hamline Avenue	50	at 3082 Hamline Ave. N.	RV	RV	storm sewer		49		49			98
County Road B	25	at I-35E	RC	LC/MW	drainage		200					200
Edgerton Street	58	at Centerville Rd.	RC	LC	drainage study	220						220
Various					signal revisions-APS	50						50
Various					RR Xing surface	50						50
Various					traffic studies	100						100
Various					bridge consultant services	150						150
Total						**11,308**	**249**	**-**	**3,566**	**-**	**2,368**	**17,491**

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2020 Construction Projects

Location	Road No.	Termini	Lead Agency	City	Work Proposed	CSAH	County	CTB	City	State	Other	Total
Rice Street	49	Larpenteur Ave. to 800' S. of CR B	RC	RV/MW	reconstruction	3,060		2,000	400			5,460
Cleveland Avenue	46	Hendon Ave. to Larpenteur Ave.	RC	FH/SP	reconstruction	2,700			400	425		3,525
Cleveland Avenue	46	at County Road B	RC	RV	signal reconstruction	150			75	300		525
Lexington Avenue	51	CR E to I-694	RC	AH/SV	reconstruction	4,000			616			4,616
Rice Street	49	Rose Ave. to Arlington Ave.	RC	SP	reconstruction	1,370		2,000	400			3,770
Jackson Street	55	Pennsylvania Ave. to Acker St.	RC	SP	bridge reconstruction	3,060			1,000	7,200		11,260
Jackson Street	55	Maryland Ave. to Arlington Ave.	RC	SP	consultant design	600						600
Randolph Avenue	38	Toronto Ave. to Shepard Rd.	SP	SP	sidewalk construction	56			66			122
Various	55	Maryland Ave. to Arlington Ave.	RC	SP	R/W consultant services	200						200
Various					signal revisions-APS	50						50
Various					RR Xing surface	50						50
Various					traffic studies	100						100
Total						**15,396**	**-**	**4,000**	**2,957**	**7,925**	**-**	**30,278**

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2021 Construction Projects

Location	Road No.	Termini	Lead Agency	City	Work Proposed	CSAH	County	CTB	City	State	Other	Total
Cleveland Avenue	46	Como Ave. to Hendon Ave.	RC	FH/SP	reconstruction	2,700			400			3,100
Rice Street	49	CR B2 to CR C2	RC	LC/RV	reconstruction	2,247		5,056	4,921			12,224
Jackson Street	55	Maryland Ave. to Arlington St.	RC	SP	bridge reconstruction	3,800			1,000	7,200		12,000
Lexington Parkway	51	Shepard Rd. to W. 7th St.	RC	SP	reconstruction	2,016			504			2,520
Lexington Parkway	51	over Pierce Butler Rt.	RC	SP	bridge consultant services	600						50
Old Highway 8	77	over MN RR	RC	NB	bridge consultant services	210						100
Various					signal revisions-APS	50						50
Various					RR Xing surface	50						50
Various					traffic studies	100						100
Total						**11,773**	**-**	**5,056**	**6,825**	**7,200**	**-**	**30,854**

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2022 Construction Projects

Location	Road No.	Termini	Lead Agency	City	Work Proposed	CSAH	County	CTB	City	State	Other	Total
White Bear Avenue	65	at I-694	RC	MW/WB	interchange reconstruction	2,500			1,000	5,000	7,000	15,500
Hodgson Road	49	Gramsie St. to Bridge St.	RC	SV	reconstruction			6,632	3,981			10,613
Old Highway 8	77	Bridge No. 4533	RC	NB	bridge reconstruction	167			200	1,338		1,705
Various					signal revisions-APS	50						50
Various					RR Xing surface	50						50
Various					traffic studies	100						100
Total						**2,867**	**-**	**6,632**	**5,181**	**6,338**	**7,000**	**28,018**

2018-2022 TIP Funding

Location	CSAH	County	CTB	City	State	Other	Total
2018 Construction	11,127	1,570		2,606	3,044	20,359	38,706
2018 Maintenance	8,422	4,415					12,837
2019 Construction	11,308	249		3,566			15,123
2020 Construction	15,396		4,000	2,957	7,925		30,278
2021 Construction	11,773		5,056	6,825	7,200		30,854
2022 Construction	2,867		6,632	5,181	6,338	7,000	28,018
							-
Total	**60,893**	**6,234**	**15,688**	**21,135**	**24,507**	**27,359**	**155,816**

2018-2022 Deficient Bridges

Location	Road No.	Termini	Bridge No.	Sufficiency Rating	Fed. Replacement Eligible?	Fed. Rehab. Eligible?	State Eligible?	Year
Jackson Street	55	over BNSF RR	5664	34.5	no	no	yes	2020
Jackson Street	55	over BNSF RR	90408	67.8	no	no	yes	2021
Jackson Street	55	over BNSF RR	90409	30.6	no	no	yes	2021
Old Highway 8	77	over MCRR	4533	43.6	no	no	yes	2022
County Road C	23	over BNSF RR	62519	60.7	yes	yes	yes	TBD
Lexington Avenue	51	over BNSF RR	5583	37.0	yes	yes	yes	TBD

Proposed Pavement Maintenance 2019

Location	Road No.	Termini	Type of Work	City
County Road C	23	Long Lake Rd to Snelling Ave.	concrete rehab	RV
Highway 96	96	I-35E to TH 61	concrete rehab	WB/WBT
Century Avenue	72	Carver Ave. to Courtly Rd.	mill & overlay	MW
Century Avenue	72	CR E to CR F	mill & overlay	WB/WBT
Payne Avenue	58	E. 7th St. to Edgerton St.	mill & overlay	SP
Edgerton Street	58	Little Canada Rd. to Centerville Rd.	mill & overlay	LC/VH
Energy Park Drive	32	TH 120 to RR	mill & overlay	SP
Lexington Avenue	51	TH 36 to CR E	mill & overlay	RV/AH/SV
McKnight Road	68	TH 5 to CR B	mill & overlay	MW/SP/NSP
McKnight Road	68	TH 36 to Mohawk Rd.	mill & overlay	NSP
Plato Boulevard	40	Water St. to Fillmore Ave.	mill & overlay	SP
Roselawn Avenue	26	TH 280 to Fulham St.	mill & overlay	LD
Selby Avenue	35	Lexington Ave. to Dale St.	mill & overlay	SP
St. Paul Avenue	46	Edgecumbe Rd. to Cleveland Ave.	mill & overlay	SP
Silver Lake Road	44	CR D to I-694	mill & overlay	NB
South Shore Boulevard	94	White Bear Ave.to CR F	mill & overlay	WB/WBT
Soo Street	99/136	CR E to Owasso Blvd. N.	mill & overlay	SV
White Bear Avenue	65	Upper Afton Rd. to I-94	mill & overlay	SP

Proposed Pavement Maintenance 2020-2022

Location	Road No.	Termini	Type of Work	City
County Road B	25	Snelling Ave. to Hamline Ave.	concrete rehab	RV
Larpenteur Avenue	30	White Bear Ave. to Van Dyke St.	concrete rehab	NSP
North St. Paul Road	29	White Bear Ave. to Ripley Ave.	concrete rehab	NSP
Carver Avenue	43	TH 61 to Century Ave.	mill & overlay	SP/MW
Como Avenue	31/75	Raymond Ave. to Snelling Ave.	mill & overlay	SP/MW
County Road B	25	Hamline Ave. to Lexington Ave.	mill & overlay	RV
County Road C	23	Dale St. to Rice St.	mill & overlay	RV
County Road C	23	Hazlewood St. to White Bear Ave.	mill & overlay	MW
County Road C	23	White Bear Ave. to McKnight Rd.	mill & overlay	MW/NSP
County Road C	23	McKnight Rd. to TH 120	mill & overlay	NSP
County Road F	12	Hodgson Rd. to Rice St.	mill & overlay	SV
County Road F	12	Rice St. to Oakcrest Dr.	mill & overlay	VH
County Road F	12	McKnight Rd. to East County Line Rd.	mill & overlay	WB/WBT
County Road H	9	Silver Lake Rd. to Long Lake Rd.	mill & overlay	MV/NB
County Road H	9	Long Lake Rd. to Mounds View Blvd.	mill & overlay	MV/NB
County Road H2	5	Centerville Rd. to Bald Eagle Blvd.	mill & overlay	WB/WBT
Rice Street	49	Vadnais Blvd. to Bridge St.	mill & overlay	VH/SV
Hodgson Road	49	Bridge St. to CSAH 96	mill & overlay	SV
Jackson Street	55	500's. of Arlington Ave. to Larpenteur Ave.	mill & overlay	SP
Larpenteur Avenue	30	Van Dyke St. to Beebe Rd.	mill & overlay	MW/SP
Larpenteur Avenue	30	Beebe Rd. to TH 120	mill & overlay	MW/SP
Long Lake Road	45	19th St. to CR H	mill & overlay	NB
McKnight Road	68	Mohawk Rd. to I-694	mill & overlay	MW/NSP
McKnight Road	68	I-694 to 850' N.	mill & overlay	WB/WBT
McKnight Road	68	850' N. of I-694 to CR E	mill & overlay	WB
McKnight Road	68	CR E to CR F	mill & overlay	WB
New Brighton Road	47	CR D to CR E2	mill & overlay	AH/NB
Otter Lake Road	148	Scheuneman Rd. to Goose Lake Rd.	mill & overlay	GL

Location	Road No.	Termini	Type of Work	City
Otter Lake Road	60	Goose Lake Rd. to CSAH 96	mill & overlay	WB/WBT
Otter Lake Road	60	CSAH 96 to Birch Lake Blvd.	mill & overlay	WB
Rice Creek Road	11	W. County Line to Long Lake Rd.	mill & overlay	NB
Silver Lake Road	44	I-694 to 16th St.	mill & overlay	NB
Silver Lake Road	44	16th St. to Rice Creek Rd.	mill & overlay	NB
Silver Lake Road	44	Rice Creek Rd. to CR H	mill & overlay	NB
Old Snelling Avenue	76	CR E to 173' N. of CR F	mill & overlay	AH
Old Snelling Avenue	76	173' N. of CR F to 480' N. of I-694	mill & overlay	AH
Old Snelling Avenue	76	480' N. of I-694 to CSAH 96	mill & overlay	AH
Beam Avenue	20	Hazlewood St. to White Bear Ave.	mill & overlay	MW
Centerville Road	59	Edgerton St. to 491' S. of Horizon St.	mill & overlay	VH
Centerville Road	59	491' S. of Horizon St. to CR F	mill & overlay	VH
Centerville Road	59	CR F to CSAH 96	mill & overlay	WB/VH
County Road B2	78	Hamline Ave. to Lexington Ave.	mill & overlay	RV
County Road D	19	Silver Lake Rd. to Highcrest Rd.	mill & overlay	NB/RV
County Road D	19	Highcrest Rd. to CSAH 88	mill & overlay	NB/RV
County Road D	19	CSAH 88 to I-35W	mill & overlay	NB/RV
County Road D	19	I-35W to Cleveland Ave.	mill & overlay	AH/RV
County Road D	19	Cleveland Ave. to Lake Johanna Blvd.	mill & overlay	AH/RV
County Road F	12	TH 61 to McKnight Rd.	mill & overlay	WB
County Road J	1	Rendova St. to Lexington Ave.	mill & overlay	SV
Dale Street	53	University Ave. to Minnehaha Ave.	mill & overlay	SP
Dale Street	53	Minnehaha. Ave. to Front St.	mill & overlay	SP
Energy Park Drive	32	RR to TH 51	mill & overlay	SP
Energy Park Drive	32	TH 51 to Lexington Pkwy.	mill & overlay	SP
Fairview Avenue	48	Larpenteur Ave. to CR B	mill & overlay	FH/RV
Fairview Avenue	48	CR B to 600' N. of Rose Pl.	mill & overlay	RV
Fairview Avenue	48	600' N. of Rose Pl. to 2720 Fairview	mill & overlay	RV
Fairview Avenue	48	2720 Fairview to CR C2	mill & overlay	RV
Rice Street	49	Minnesota St. to CP RR bridge	mill & overlay	LC/RV

Location	Road No.	Termini	Type of Work	City
Rice Street	49	CP RR bridge to N. Owasso Blvd.	mill & overlay	LC/RV
Hoffman Road	146	CR E to Cedar Ave.	mill & overlay	WB
Hugo Road	154	Park Ave. to CR J	mill & overlay	WBT
Labore Road	108	CR E to Goose Lake Rd.	mill & overlay	GL/VH
Labore Road	14	Goose Lake Rd W. to Goose Lake Rd. E.	mill & overlay	GL/VH
Larpenteur Avenue	30	East Shore Dr. to White Bear Ave.	mill & overlay	MW/SP
Lexington Avenue	51	CR I to 1785' W. of Hamline Ave.	mill & overlay	SV
Lexington Avenue	51	1785' W. of Hamline Ave. to CR J	mill & overlay	SV
Minnehaha Avenue	34	McKnight Rd. to TH 120	mill & overlay	MW
Phalen Boulevard	64	Johnson Pkwy. To Maryland Ave.	mill & overlay	SP
Portland Avenue	71	CSAH 96 to Taylor Ave.	mill & overlay	WBT
Randolph Avenue	38	Cleveland Ave. to Snelling Ave.	mill & overlay	SP
Randolph Avenue	38	Snelling Ave. to Brimhall St.	mill & overlay	SP
Vadnais Boulevard	16	Rice St. to Twin Lakes Blvd.	mill & overlay	VH
Vadnais Boulevard	16	Twin Lakes Blvd. to Edgerton St.	mill & overlay	VH
Victoria Street	52	155' S. of Owasso St. to CR F	mill & overlay	SV
White Bear Avenue	65	263' N. of Frost Ave. to TH 36	mill & overlay	MW
White Bear Avenue	65	TH 36 to Radatz Ave.	mill & overlay	MW

APPENDIX B

Ramsey County Public Works
Cost Participation Policy

Approved May 28, 2013

The intent of Ramsey County's Public Works Cost Participation Policy is to equitably distribute the cost of construction and major maintenance projects between the County and its partner communities. The policy recognizes that projects undertaken by the County should benefit the County as a whole, and also provide local benefits to the communities in which they are completed. The policy also defines the County's contributions to locally-initiated projects. All County cost contributions are subject to project feasibility and availability of funding.

The policy, as amended on May 28, 2013, reflects Ramsey County's commitment to develop a safe, effective, multimodal transportation system for users of all abilities and incomes. It is upon that foundation the Public Works Department will work with partnering agencies to ensure investments in construction and major maintenance accommodate an appropriate mix of motorized and non-motorized travel options. County cost participation levels have been selectively increased in recognition of the growing importance of integrating pedestrian, bicycle, transit and American Disabilities Act (ADA) features into transportation planning and implementation. Amended policy provisions also remove former provisions which identified differing cost participation levels when federal funds have been secured. In the event unique design considerations or project impacts are identified, the Director of Public Works may negotiate mutually beneficial deviations from this policy, subject to review and approval of the County Board.

Department of Public Works
Cost Participation Policy

Ramsey County Public Works Cost Participation Policy for the Reconstruction and Major Maintenance of County Roads and County State Aid Highways

ITEM:	COUNTY SHARE:	NOTES:
Right of Way	50%	County cost participation on right of way acquisition may be reduced or eliminated where the acquisition is specifically for detached trails, aesthetics, or special design elements requested by municipalities or other project partners. County participation on right of way acquisition applies only to construction projects and shall be 0% for maintenance projects, except where additional right of way is required to accommodate improvements within the curb or shoulder line.
Removals	100%	
Travel Lanes	100%	

ITEM:	COUNTY SHARE:	NOTES:
Parking Lanes	25%	100% in cities under 5,000 population or in White Bear Township. 100% on maintenance pavement preservation projects.
Shoulders	100%	100% of the width required to meet State Aid design standards. 100% in cities under 5,000 population or in White Bear Township. 100% on maintenance pavement preservation projects. 50% outside of the required width.
Concrete Curb & Gutter (new)	25%	
Concrete Curb & Gutter (replacement)	100%	100% if in serviceable condition, as determined by the County Engineer; otherwise negotiable. 100% of curb and gutter as part of median construction required for traffic channelization or to serve as a pedestrian refuge.
Storm Sewer	% Eligible for State Aid	

ITEM:	COUNTY SHARE:	NOTES:
Culverts	100%	
Water Main Modification	100%	100%, if required for construction. 0% on betterments.
Sanitary Sewer Modification	100%	100%, if required for construction. . 0% on betterments
Private Utility Relocation	0%	
Traffic Signals	100% of County Legs	Traffic Signal construction is addressed in a separate policy (County Board Resolution 81-1001). Electrical power shall be paid by the municipality.

ITEM:	COUNTY SHARE:	NOTES:
Roundabouts	100% of County Legs	
Retaining Walls	50%	50% when retaining walls are constructed in lieu of right of way acquisition or to mitigate impacts; by negotiation when necessitated by design parameters.
Grading Outside of Curb	100%	100% of area required for road construction. 50% of grading required specifically for sidewalks, trails, or other amenities.
Medians	100%	100% of a standard concrete median design, including curb and gutter; municipalities shall pay for the additional cost of any decorative or aesthetic treatments.
Sidewalks (new)	50%	Includes grading, aggregate base, surfacing, and pedestrian ramps.

ITEM:	COUNTY SHARE:	NOTES:
Sidewalks (replacement)	100%	100% if in serviceable condition, as determined by the County Engineer; otherwise negotiable.
Bituminous Trail (new)	50%	Includes grading, aggregate base, surfacing, and pedestrian ramps.
Bituminous Trail (replacement)	100%	100% if in serviceable condition, as determined by the County Engineer; otherwise negotiable.
Trail/Sidewalk Grade Separation	0% to 50%, by negotiation	Bridge or underpass construction.
Street Lighting	0%	Street Lighting as part of a traffic signal shall be paid 100% by County. Electrical power shall be paid by the municipality.

ITEM:	COUNTY SHARE:	NOTES:
Replacement Trees	100%	100%, if 1:1 replacement; 50%, if greater than 1:1
Fence	100%	100% if serviceable; 0% if in County R/W
Turf Restoration	100%	
Amenities and Aesthetics	0%	Special surface treatments, ground covers, or plantings, ornamental railings, etc.
Driveway Replacement	100%	

ITEM:	COUNTY SHARE:	NOTES:
Stormwater Treatment	% eligible for State Aid	Maintenance shall be based on contributing flows.
Preliminary/Design Engineering	% of Participation	
Construction Engineering	% of Participation	

All County participation is subject to the availability of funds.

On Federal Aid Projects, the federal funds shall be applied to all eligible items before cost participation is calculated. Federal participation is typically 50-80% of the total project cost.

Right of Way (ROW) acquisition continues to grow in cost and complexity. Setting the County Cost share at 50% is intended to make the County an equal partner with the municipality(s), regardless of funding source(s) secured for a project. Early creation of a cooperative partnership helps ensure project scoping and alternatives analysis are comprehensive and consider all benefits and costs -- including right of way cost and impacts. Joint efforts can also identify specific locations where extraordinary ROW impacts are likely. In those cases, the County and City(s) can revisit available options or consider appropriate design changes. Timely recognition of unavoidable impacts can provide additional time for all parties to secure their respective funding sources. Redevelopment and/or future land use changes may also provide an opportunity to reduce conflicts with programmed improvements. Individual parcels which present exceptional challenges may justify an unequal distribution of City/County cost shares for consideration and approval of the County Board.

Retaining Walls are generally constructed to reduce right of way impacts or to protect environmental resources such as wetlands or wooded areas. County cost participation will be at the 50% level for those wall installations similar to ROW cost participation. In situations where wall options are locally preferred or part of a community's aesthetic design goals, County participation will be reduced or eliminated. Resulting County contributions will be limited to benefits reducing impacts to adjoining properties or environmental resources.

Trail/Sidewalk Grade Separations are desirable bike and pedestrian features but can be cost prohibitive in many settings. ADA compliance and mitigating access/safety issues often add substantial construction costs to otherwise straightforward structures - particularly in locations where space is limited. Design options can also vary from simple box culvert underpasses to elaborate bridge structures. The intent of a negotiated cost participation level of 0-50% is an acknowledgement of the enormous range in costs that may be proposed. It is important County participation adhere to sound benefit/cost considerations. County participation levels may also consider the availability of federal or other outside funding sources that materially reduce County and local shares.

APPENDIX C

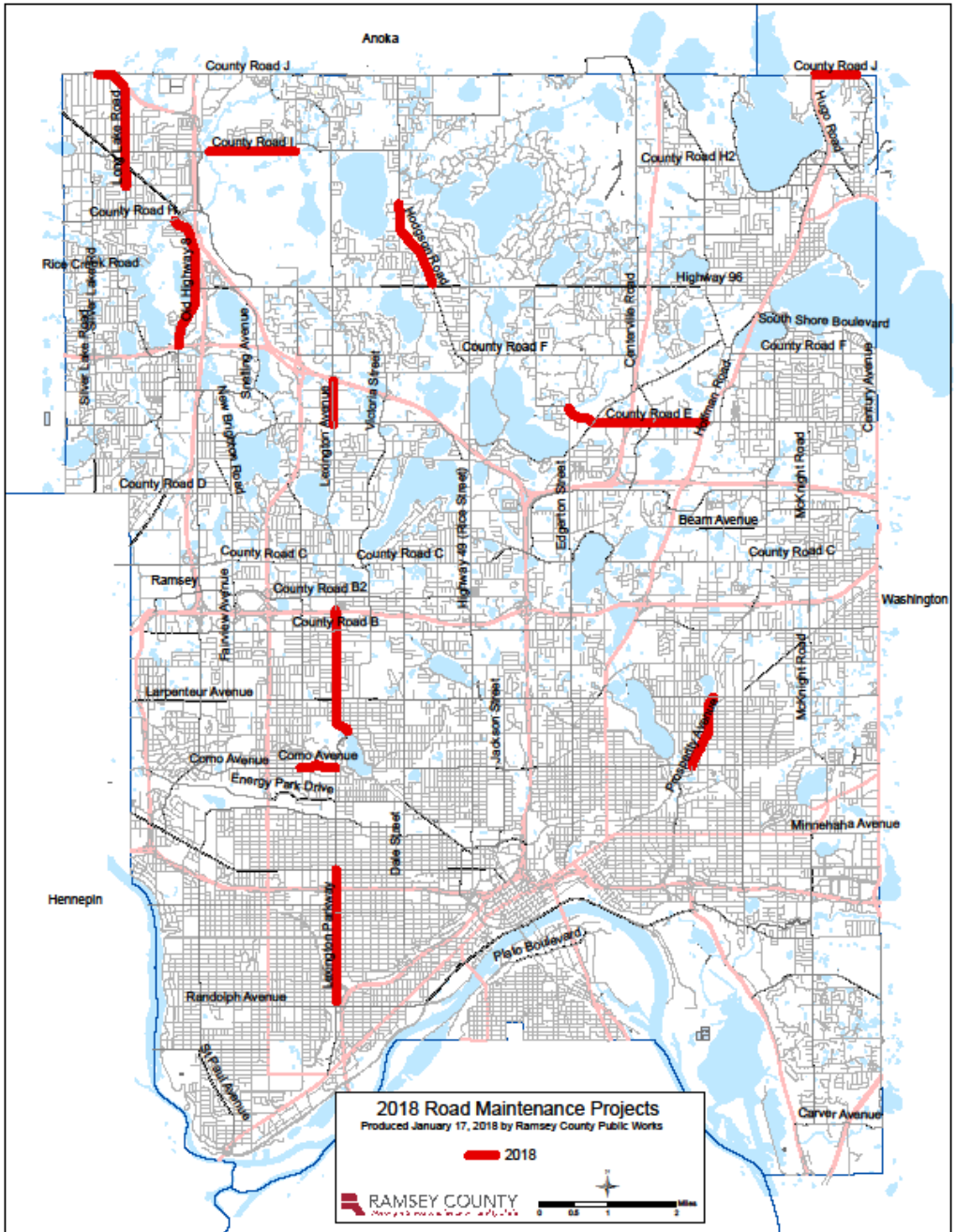
2018-2022 Transportation Improvement Program Construction Projects

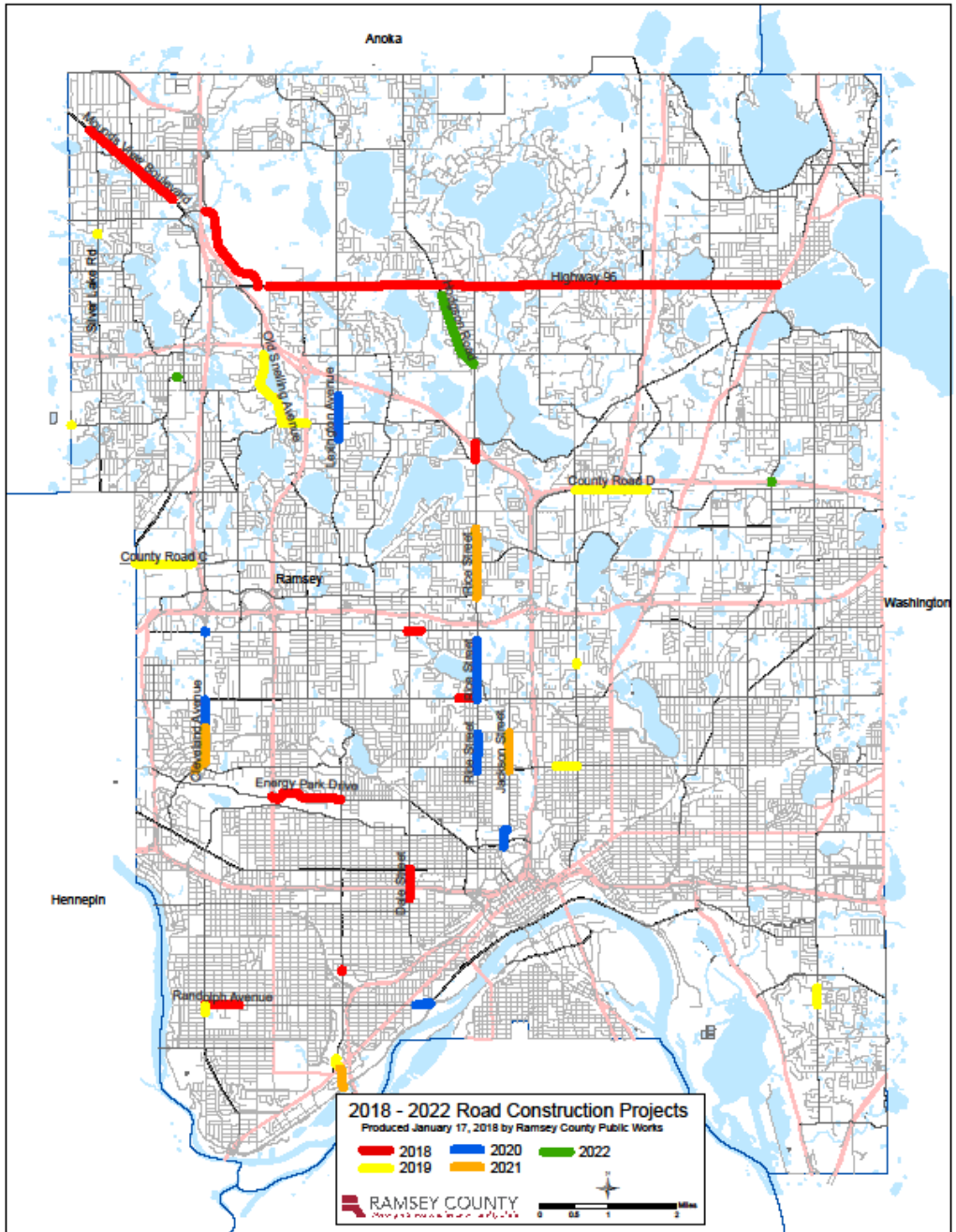
Location	Road No.	Termini	Lead Agency	City	Work Proposed	Year
County Road B	25	Dale St. to Sandhurst Dr.	RV	RV	sidewalk construction	2018
Dale Street	53	Iglehart Ave. to University Ave.	RC	SP	interchange reconstruction	2018
Energy Park Drive	32	Snelling Ave. to Lexington Ave.	SP	SP	sidewalk construction	2018
Highway 96	96	Snelling Ave. to TH 61	RC	multiple	system management	2018
Jackson Street	55	Bridge No. 62508	RC	SP	bridge repair	2018
Larpenteur Avenue	30	Galtier St. to Rice St.	SP	SP	sidewalk construction	2018
Lexington Parkway	51	at St. Clair Ave.	SP	SP	signal reconstruction	2018
Maryland Avenue	31	at BNSF Railroad	RC	SP	bridge repair	2018
Mounds View Boulevard	10	Groveland Rd. to Wooddale Dr.	MV	MV	trail construction	2018
Randolph Avenue	38	Cleveland Ave. to Fairview Ave.	SP	SP	sidewalk construction	2018
Rice Street	49	N. Owasso Blve. To Vadnais Blvd.	RC	LC/SV/VH	interchange reconstruction	2018
TCAAP Spine Road		CSAH 96 to CR H	RC	AH	construction	2018
Warner Road	36	Bridge No. 62634 and 62351	RC	SP	bridge repair	2018
Cleveland Avenue	46	at Randolph Ave.	SP	SP	signal reconstruction	2019
County Road C	23	west County line to Long Lake Rd.	RC	RV	reconstruction	2019
County Road D	19	Edgerton St. to Walter St.	RC	LC/MW/VH	major drainage/CIR	2019
County Road E	15	at Old Snelling Ave.	AH	AH	intersection reconstruction	2019
County Road E/ Old Snelling Avenue	15,76	TH 51 to Valentine Lake Rd.	AH	AH	trail construction	2019
Edgerton Street	58	at Roselawn Ave.	MW	MW	intersection reconstruction	2019
Lexington Parkway	51	W. 7th St. to 850' N.	RC	SP	reconstruction	2019
Maryland Avenue	31	Clark St. to Edgerton St.	RC	SP	signals/geometrics	2019
McKnight Road	68	Mailand Rd. to Londin Ln.	SP	SP	sidewalk construction	2019

Location	Road No.	Termini	Lead Agency	City	Work Proposed	Year
Silver Lake Road	44	at Rice Creek Trail and MNRR	RC	NB	trail and RR Xing upgrade	2019
Cleveland Avenue	46	at CR B	RC	RV	signal reconstruction	2020
Cleveland Avenue	46	Hendon Ave. to Larpenteur Ave.	RC	FH/SP	reconstruction	2020
Jackson Street	55	Pennsylvania Ave. to Acker St.	RC	SP	bridge reconstruction	2020
Lexington Avenue	51	CR E to I-694	RC	AH/SV	reconstruction	2020
Randolph Avenue	38	Toronto Ave. to Shepard Rd.	SP	SP	sidewalk construction	2020
Rice Street	49	Larpenteur Ave. to 800' S. of CR B	RC	RV/MW	reconstruction	2020
Rice Street	49	Rose Ave. to Arlington Ave.	RC	SP	reconstruction	2020
Cleveland Avenue	46	Como Ave. to Hendon Ave.	RC	FH/SP	reconstruction	2021
Jackson Street	55	Maryland Ave. to Arlington St.	RC	SP	bridge reconstruction	2021
Lexington Parkway	51	Shepard Rd. to W. 7th St.	RC	SP	reconstruction	2021
Rice Street	49	CR B2 to CR C2	RC	LC/RV	reconstruction	2021
Hodgson Road	49	Gramsie St. to Bridge St.	RC	SV	reconstruction	2022
Old Highway 8	77	Bridge No. 4533	RC	NB	bridge reconstruction	2022
White Bear Avenue	65	at I-694	RC	MW/WB	interchange reconstruction	2022

APPENDIX D

Project Location Maps


Anoka
County Road J
County Road J
Long Lake Road
County Road I
County Road H2
Hugo Road
County Road H
Hodgson Road
Rice Creek Road
Highway 96
Silver Lake Road
Silver Lake Road
Old Highway 8
Snelling Avenue
Centerville Road
South Shore Boulevard
County Road F
County Road F
Victoria Street
Lexington Avenue
New Brighton Road
County Road E
Hallman Road
Century Avenue
County Road D
Highway 49 (Rice Street)
Edgerton Street
McKnight Road
Beam Avenue
County Road C
County Road C
County Road C
Ramsey
County Road B2
Washington
Fairview Avenue
County Road B
Larpenteur Avenue
Jackson Street
McKnight Road
Prosperity Avenue
Como Avenue
Como Avenue
Energy Park Drive
Minnehaha Avenue
Dale Street
Hennepin
Lexington Parkway
Plato Boulevard
Randolph Avenue
St Paul Avenue
Carver Avenue
2018 Road Maintenance Projects
Produced January 17, 2018 by Ramsey County Public Works
2018
RAMSEY COUNTY


Anoka
Highway 96
Old Snelling Avenue
Lexington Avenue
County Road D
County Road C
Ramsey
Rice Street
Washington
Cleveland Avenue
Energy Park Drive
Jackson Street
Hennepin
Randolph Avenue
2018 - 2022 Road Construction Projects
Produced January 17, 2018 by Ramsey County Public Works
2018
2019
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2021
2022
RAMSEY COUNTY