

Ramsey County Public Works Department 2017-2021 Transportation Improvement Program



RAMSEY COUNTY

Working with you to enhance our quality of life

Highway 96/I-35W Diverging Diamond Interchange



RAMSEY COUNTY PUBLIC WORKS DEPARTMENT

**2017 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM
AND
DEFICIENT BRIDGE PROGRAM**

RAMSEY COUNTY BOARD OF COMMISSIONERS

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**Prepared by the Ramsey County Public Works Department
James E. Tolaas, P.E., Director and County Engineer**

Ramsey County Public Works Department 2017-2021 Transportation Improvement Plan

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Ramsey County Public Works Department 2017-2021 Transportation Improvement Plan

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.

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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.

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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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2017 Construction Projects

Location	Road No.	Termini	Lead Agency	City	Work Proposed	CSAH	County	CTB	City	State	Other	Total
Mounds View Boulevard	10	at Long Lake Rd.	RC	MV	signals/geometrics	35					(1) 316	351
TCAAP Parkway		CR H to CR I	RC	AH/SV	construction						(2) 4,499	4,499
Warner Bridge	36	over Childs Rd.	RC	SP	consultant services	75						75
Larpenteur Avenue	30	at TH 51	MnDOT	FH	turn lane construction	90			10	3,905		4,005
Larpenteur Avenue	30	Mackubin St. to Galtier St.	RV	RV	sidewalk construction	45			272			317
Beam Avenue	20	at Hazlewood St.	RC	MW	intersection and turn lane				450			450
Payne Avenue	58	at E. 7th St.	SP	SP	intersection reconstruction	224			224	695		1,143
Jackson Street	55	Pennsylvania Ave. to Acker St.	RC	SP	consultant services	200						200
Raymond Avenue	46	at Como Avenue	SP	SP	signal reconstruction	225			75			300
Dale Street	53	at Wheelock Pkwy.	SP	SP	signal reconstruction	150			150			300
County Road B2	78	at TH 51 west ramp	RV	RV	signal/turn lane construction	120			200	120		440
County Road F	12	Hamline Ave. to 600' west of Lexington Ave.	RC	AH/SV	R/W consultant services	100						100
Cleveland Avenue	46	Como Ave. to Larpenteur Ave.	RC	SP/FH	corridor study	120						120
Rice Street	49	Maryland Ave. to Arlington Ave.	RC	SP	consultant services	754						754

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Location	Road No.	Termini	Lead Agency	City	Work Proposed	CSAH	County	CTB	City	State	Other	Total
Marshall Avenue	35	Mississippi River Bridge	HC	SP	bridge repair	704					(3) 704	1,408
County Road D	19	Stinson Blvd. to Highcrest Rd.	SA	SA	Sidewalk and signal upgrades	121			282		(1) 1,005	1,408
Various					signal revisions-APS	50						50
Various					RR Xing surface	200						200
Various					traffic studies	100						100
Various					bridge consultant services	150						150
Total						3,463	-	-	1,663	4,720	6,524	16,370

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2017 Maintenance Projects

Location	Road No.	Termini	City	Work Proposed	CSAH	County	City	Wheelage Tax	Total
Centerville Road	59	CPRR to County Road H2	NOW/BT	CIR	380				380
Cleveland Avenue	46	St. Paul Rd. to Ford Pkwy.	SP	mill & overlay		356			356
Cleveland Avenue	46	Iona Ln. to Glenpaul Ave.	RV	mill & overlay		491			491
Como Avenue	32	Dale St. to Marion St.	SP	mill & overlay		575			575
County Road B	25	Sandhurst Dr. to Albermarle Ct.	RV	mill & overlay				361	361
County Road F	12	Lexington Ave. to Victoria St.	SV	mill & overlay				275	275
County Road J	1	Sherwood Rd. to Ash St.	SV	mill & overlay & CIR	500				500
Ford Parkway	42	Mississippi River Bridge to Howell Ave.	SP	mill & overlay				491	491
Hodgson Road	49	CSAH 96 to Birch Ln. N.	SV	microsurface				744	744
Keller Parkway	22	Edgerton St. to Arcade St.	LC	mill & overlay			60	225	285
Marshall Avenue	35	Mississippi River Bridge to Snelling Ave.	SP	mill & overlay				828	828
Maryland Avenue	31	Greenbriar St. to Johnson Pkwy.	SP	mill & overlay				326	326
Minnehaha Avenue	33	Pierce Butler Rt. To Dale St.	SP	mill & overlay	30				30
Minnehaha Avenue	33	Arundel St. to Como Ave.	SP	mill & overlay				275	275

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Location	Road No.	Termini	City	Work Proposed	CSAH	County	City	Wheelage Tax	Total
Pierce Butler Route	33	Snelling Ave. to Minnehaha Ave.	SP	mill & overlay				883	883
White Bear Avenue	65	Reaney Ave. to RR Bridge	SP	mill & overlay		306			306
Ford Parkway	42	at Mississippi River Bridge	SP	erosion repair	1,000				1,000
Lexington Parkway	51	Lincoln Ave. to University Ave.	SP	crosswalk repair			225	727	952
Warner Avenue	36	Bridge No. 62531	SP	bridge maintenance	900				900
Various				guardrail	500				500
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 services	150				150
Total					7,412	2,088	285	4,408	14,193

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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		(1) 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						(2) 11,605	11,605
Mounds View Boulevard	10	Groveland Rd. to Woodland Dr.	MV	MV	trail construction	40			588			628
Highway 96	96	Snelling Ave. to TH 61	RC	multiple	system management	473					(1) 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	R/W consultant services	200						200
County Road B	25	Dale St. to Sandhurst Dr.	RV	RV	sidewalk construction	28			28			56
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 services	795						795
Lexington Parkway	51	at Concordia Ave. and St. Anthony Ave.	RC	SP	signal reconstruction	394				394		788
Silver Lake Road	44	at Rice Creek trail and MNRR	RC	NB	trail and RR crossing improvements	36					(1) 325	361

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Location	Road No.	Termini	Lead Agency	City	Work Proposed	CSAH	County	CTB	City	State	Other	Total
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						8,926	-	-	1,916	394	19,834	31,070

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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		(3) 1,100	1,553
Rice Street	49	N. Owasso Blvd. to Vadnais Blvd.	RC	LC/SV/VH	interchange construction			1,200	1,200		(4) 18,500	20,900
Maryland Avenue	31	Clark St. to Edgerton St.	RC	SP	signals/geometrics	105					(1) 943	1,048
Rice Street	49	Rose Ave. to Arlington Ave.	RC	SP	reconstruction	1,370		2,000	400			3,770
Eustis Street	127	350' north of Como Ave. to Roselawn Ave.	RC	LD	reconstruction		500		90			590
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
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	R/W consultant services	200						200
Various					signal revisions-APS	50						50
Various					RR Xing surface	50						50
Various					traffic studies	100						100
Various					bridge consultant services	150						150
Total						7,861	500	3,200	3,882	-	20,543	35,986

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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
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 services	600						600
Jackson Street	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						13,970	-	2,000	2,491	7,925	-	26,386

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2021 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	(1) 7,000	15,500
Hodgson Road	49	Gramsie St. to Bridge St.	RC	SV	reconstruction			6,632	3,981			10,613
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
Various					signal revisions-APS	50						50
Various					RR Xing surface	50						50
Various					traffic studies	100						100
Total						11,447	-	11,688	11,302	12,200	7,000	53,637

(1) Federal Funds (2) Legislative Funds (3) Private Funds (4) Federal plus Legislative Funds

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2017-2021 TIP Funding

Location	CSAH	County	CTB	City	State	Wheelage Tax	Other	Total
2017 Construction	3,463			1,663	4,720		6,524	16,370
2017 Maintenance	7,412	2,088		285		4,408		14,193
2018 Construction	8,926			1,916	394		19,834	31,070
2019 Construction	7,861	500	3,200	3,882			20,543	35,986
2020 Construction	13,970		2,000	2,491	7,925			26,386
2021 Construction	11,447		11,688	11,302	12,200		7,000	53,637
								-
Total	53,079	2,588	16,888	21,539	25,239	4,408	53,901	177,642

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2017-2021 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	TBD
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

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Proposed Pavement Maintenance 2018

Location	Road No.	Termini	City
Century Avenue	72	CR E to CR F	WB
Como Avenue	31	Snelling Ave. to Lexington Pkwy.	SP
County Road B	25	McKnight Road to TH 120	MW/NSP
County Road E	15	Centerville Road to TH 61	WB
County Road J	1	Hodgson R. To Sherwood Rd.	SV
County Road J	81	TH 61 to Portland Ave.	WBT
Lexington Parkway	51	Randolph Ave. to University Ave.	SP
Long Lake Road	45	CR H to Airport Rd.	MV
McKnight Road	68	TH 5 to TH 36	MW/NSP/SP
Old Highway 8	77	I-694 to CR H	MV/NB
Plato Boulevard	40	W. Water St. to Fillmore St.	SP
Prosperity Avenue/Hazlewood Avenue	64	Arlington St. to Larpenteur Ave.	SP
Silver Lake Road	44	CR D to north I-694 Frontage Rd.	NB/SA
Kohler Road	14	Edgerton St. to Centerville Rd.	VH

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Proposed Pavement Maintenance 2019-2021

Location	Road No.	Termini	City
County Road B	25	Snelling Ave. to Hamline Ave.	RV
County Road C	23	Hazlewood St. to TH 120	MW/NSP
County Road F	12	Hodgson Rd. to Oakcrest Dr.	SV/VH
County Road F	12	McKnight Rd. to E. County Line	WB/WBT
County Road I	3	500' W. of I-35W to Hamline Ave.	MV/SV
Payne Avenue	58	7 th St. to Edgerton St.	SP
Edgerton Street	58	Labore Rd. to Centerville Rd.	LC/VH
Energy Park Drive	32	TH 280 to UPRR	SP
Highway 96	96	White Bear Pkwy. To TH 61	WB/WBT
Larpenteur Avenue	30	TH 280 to TH 51	FH/LD
Larpenteur Avenue	30	White Bear Ave. to TH 120	MW/SP
Lexington Avenue	51	Larpenteur Ave. to CR E	AH/RV/SV
Long Lake Road	45	19 th St. NW to CR H	NB
McKnight Road	68	TH 36 to Mohawk Rd.	NSP
McMenemy Street	57	Koehler Rd. to CR F	VH

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Location	Road No.	Termini	City
North St. Paul Road	29	White Bear Ave. to Ripley Ave.	MW
Otter Lake Road	60	Schueneman Rd. to Birch Lake Blvd.	WB/WBT
Roselawn Avenue	26	Walnut St. to Fulham Blvd.	LD/RV
Selby Avenue	35	Lexington Ave. to Dale St.	SP
St. Paul Avenue	46	Edgecumbe Rd. to Cleveland Ave.	SP
South Shore Boulevard	94	White Bear Avenue to Century Ave.	WB/WBT
Old Snelling Avenue	76	County Road E to Highway 96	AH/MV
Soo Street	99	CR E to Owasso Blvd.	SV
White Bear Avenue	65	Upper Afton Rd. to I-94	SP
Carver Avenue	43	TH 61 to Century Ave.	MW
County Road B	25	Hamline Ave. to Dale St.	RV
County Road C	23	Lexington Ave. to Rice St.	RV
County Road H	9	Silver Lake Rd. to Mounds View Blvd.	MV
County Road H2	5	Centerville Rd. to Bald Eagle Blvd.	WBT
Rice Street	49	Vadnais Blvd. to Highway 96	SV/VH
Jackson Street	55	Arlington Ave. to Larpenteur Ave.	SP

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Location	Road No.	Termini	City
McKnight Road	68	Mohawk Rd. to CR F	MW/NSP/WB
New Brighton Road	47	CR D to CR E2	AH/NB
Rice Creek Road	11	W. county Line to Long Lake Rd.	NB
Silver Lake Road	44	I-694 Frontage Rd. to CR H	NB
Beam Avenue	20	TH 61 to White Bear Ave.	MW
Bellaire Avenue	70	CR E to South Shore Blvd.	WB
Centerville Road	59	Edgerton St. to Highway 96	GL/VH
County Road B2	78	Hamline Ave. to Lexington Ave.	RV
County Road D	19/93	Silver Lake Rd. to Lake Johanna Blvd.	AH/NB/RV/SA
County Road F	12	TH 61 to McKnight Rd.	WB
Energy Park Drive	32	UPRR to Lexington Pkwy.	SP
Fairview Avenue	48	Larpenteur Ave. to CR D	RV
Rice Street	49	Minnesota St. to Little Canada Rd.	LC/RV
Rice Street	49	CPRR Bridge to Owasso Blvd.	LC/RV
Hoffman Road	146	CR E to Cedar Ave.	WB
Hugo Road	154	Park Ave. to CR J	WBT

Ramsey County Public Works Department 2017-2021 Transportation Improvement Plan

Location	Road No.	Termini	City
Labore Road	14/108	CR E to Goose Lake Rd.	GL/VH
Larpenteur Avenue	30	East Shore Dr. to White Bear Ave.	MW/SP
Lexington Avenue	51	Tanglewood Dr. to CR J	SV
Minnehaha Avenue	34	McKnight Rd. to TH 120	MW
Phalen Boulevard	64	Johnson Pkwy. To Maryland Ave.	SP
Portland Avenue	71	TH 96 to Taylor Ave.	WBT
Randolph Avenue	38	Cleveland Ave. to Brimhall St.	SP
Vadnais Boulevard	16	Rice St. to Edgerton St.	VH
Victoria Street	52	200' S. of Owasso St. to CR F	RV/SV
White Bear Avenue	65	200' S. of Frost Ave. to Radatz Ave.	MW

Appendix A Status of Previous TIP Projects

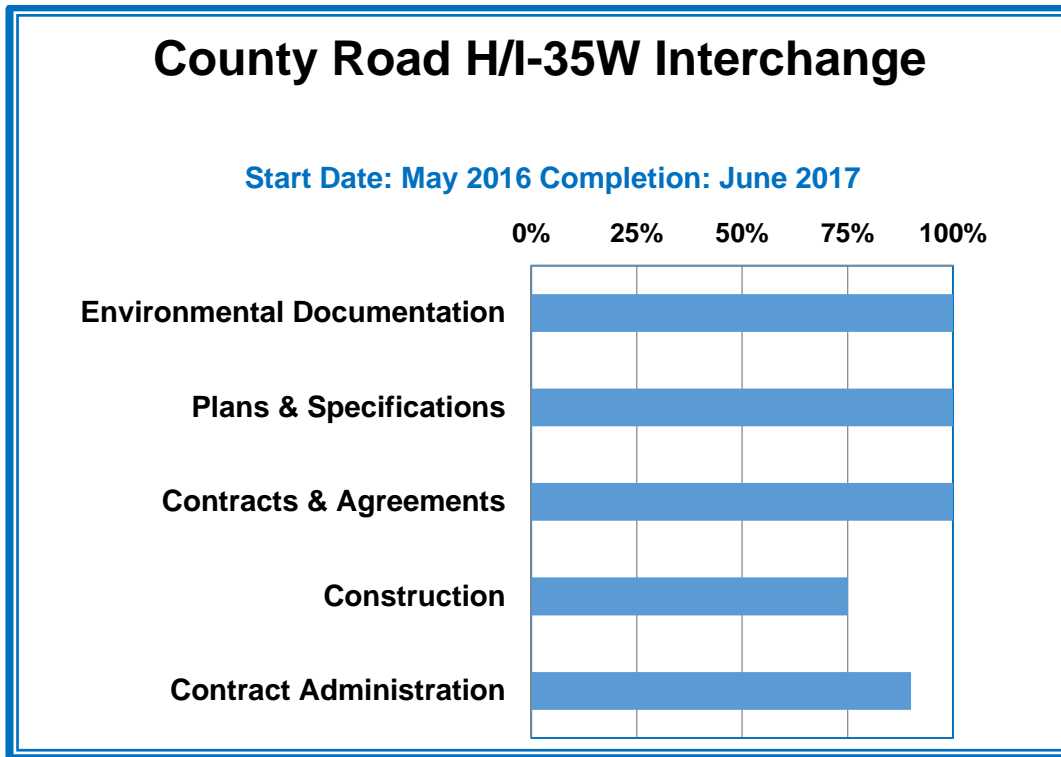
2016 Maintenance Projects- Projects are 100% Complete.

Location	Road No.	Termini	City	Work Proposed
Cleveland Avenue	46	Summit Ave. to St. Anthony Ave.	SP	mill & overlay
County Road E	15	TH 61 to TH 120	WB/GL/VH	mill & overlay
County Road J	1	Lexington Ave. to CSAH 49	SV	mill & overlay
Eagle Street	152	Park Ave. to Bald Eagle Blvd.	WBT	mill & overlay
Stillwater Street	86	Bald Eagle Ave. to Division St.	WBT	mill & overlay
Edgerton Street	58	Maryland Ave. to Larpenteur Ave.	SP	mill & overlay
Edgerton Street	58	TH 36 to Little Canada Rd.	LC	mill & overlay
North St. Paul Road	29	Ripley Ave. to McKnight Rd.	MW/NSP	mill & overlay
Portland Avenue	71	Buffalo St. to Short St.	WBT	mill & overlay
Victoria Street	52	CR B to Lovell Ave.	RV	mill & overlay
Portland Avenue	161	Short St. to CR J	WBT	CIR
Upper Afton Road	35	Burns Ave. to McKnight Rd.	SP	CIR
County Road I	3	CSAH 10 to I-35W	MV	concrete rehabilitation
Larpenteur Avenue	30	TH 51 to Oxford St.	FH	concrete rehabilitation
Shepherd/Warner Road	37/36	Randolph Ave. to Childs Rd.	SP	concrete rehabilitation
Lexington Avenue	51	at Rice Creek Bridge	SV	concrete rehabilitation
Larpenteur Avenue	30	at Lake Phalen outlet	SP	drainage structure

County Road H/I-35W Interchange

Funding:

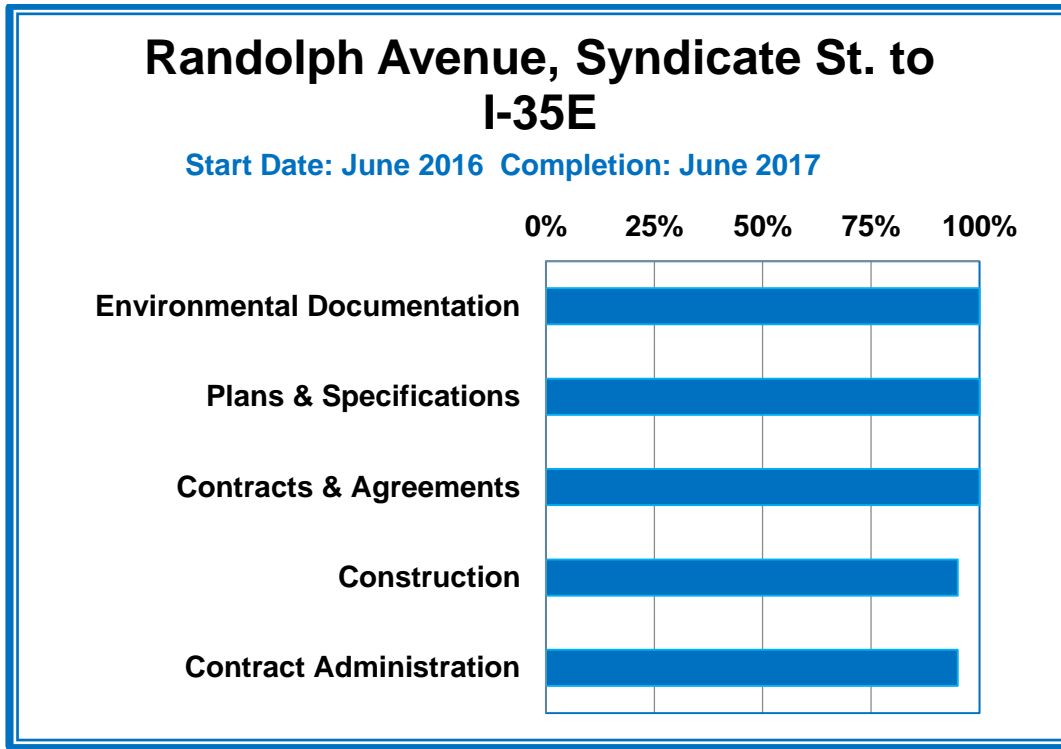
CSAH	CTB	City	State	Other	Total
	200	300	6,800	12,700	20,000



Randolph Avenue, Syndicate St. to I-35E

Funding:

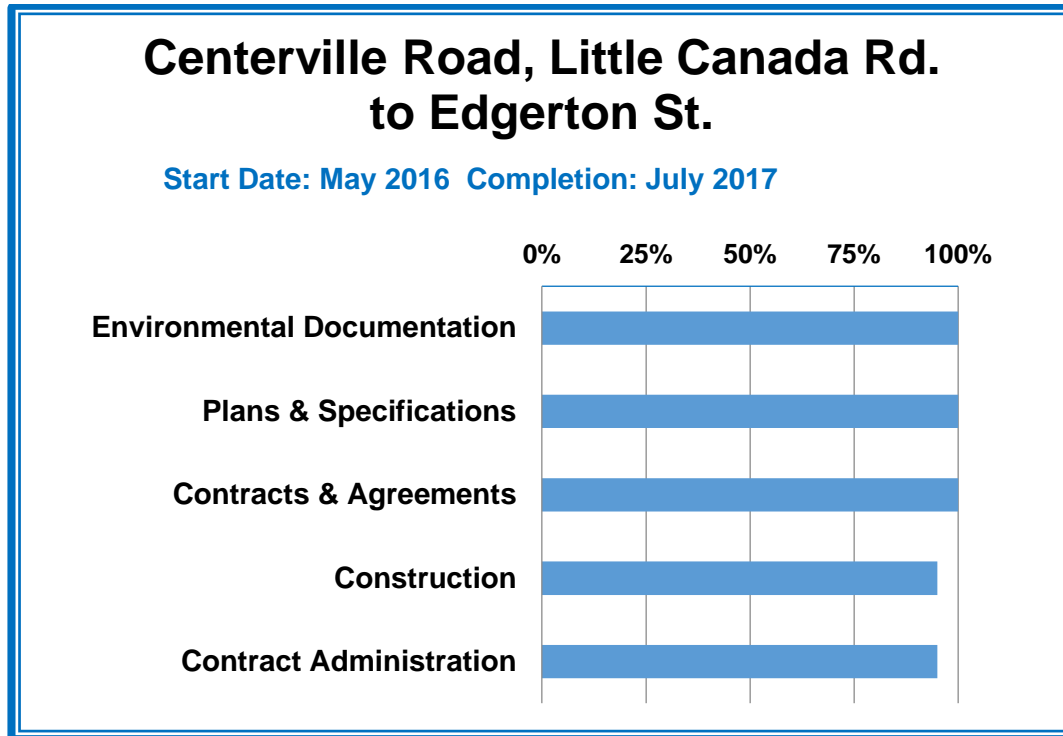
CSAH	CTB	City	State	Other	Total
3,800		1,500	32		5,332



Centerville Road, Little Canada Rd. to Edgerton St.

Funding:

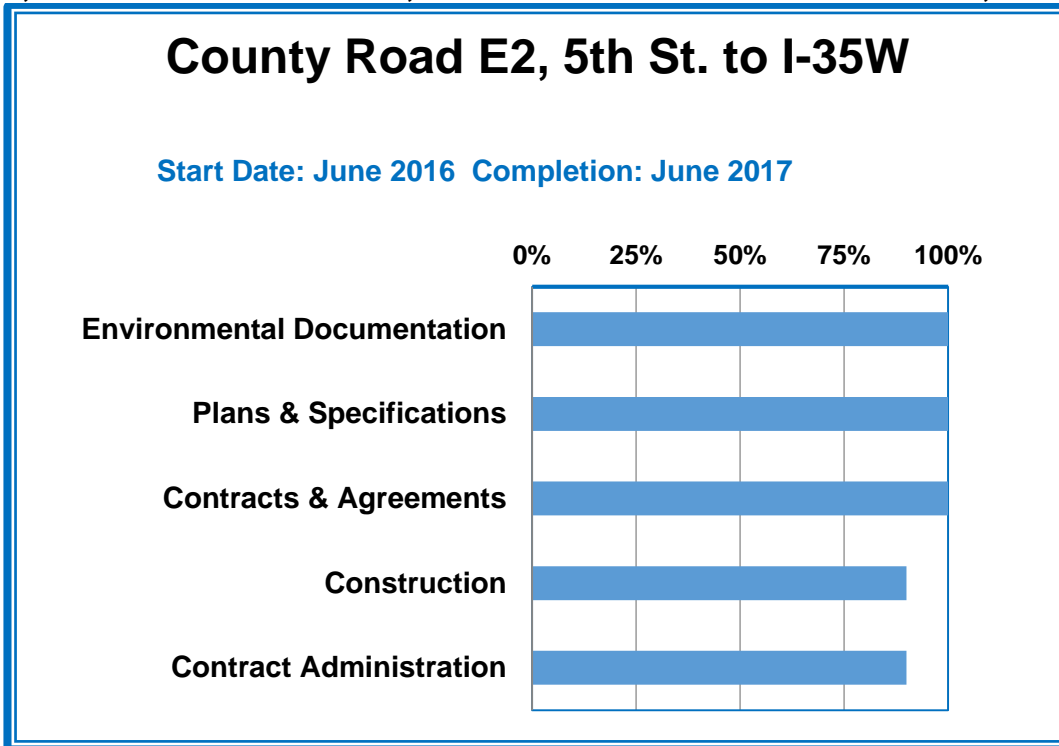
<u>CSAH</u>	<u>CTB</u>	<u>City</u>	<u>State</u>	<u>Other</u>	<u>Total</u>
1,971		844			2,815



County Road E2, 5th St. to I-35W

Funding:

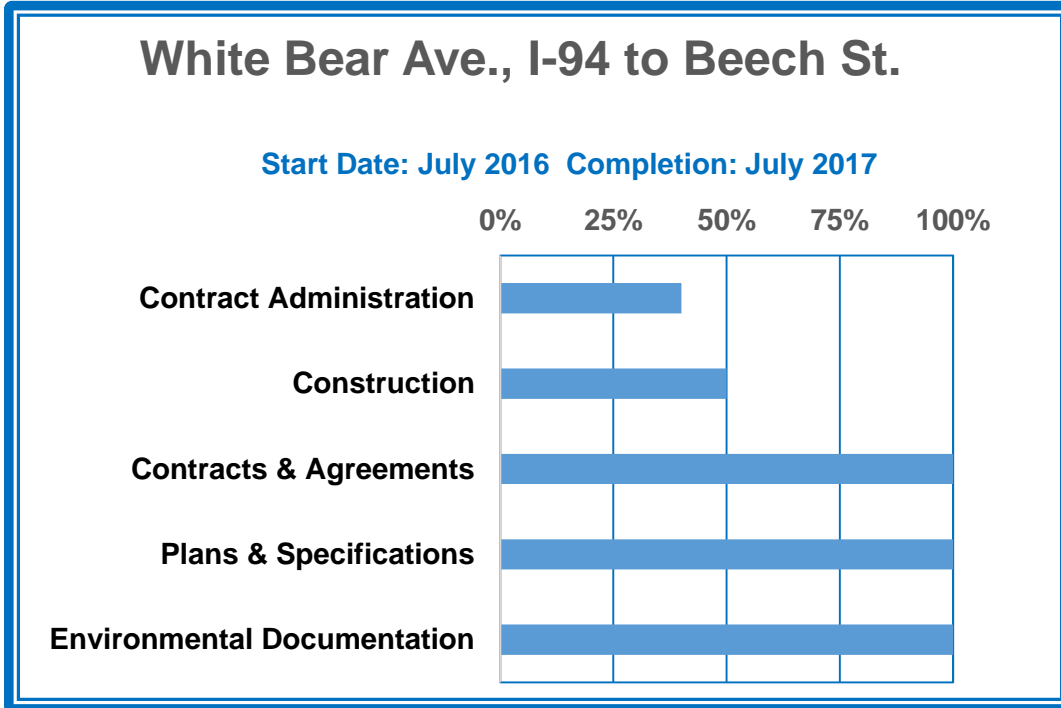
CSAH	CTB	City	State	Other	Total
1,302		4,180			5,482



White Bear Avenue, I-94 to Beech St.

Funding:

<u>CSAH</u>	<u>CTB</u>	<u>City</u>	<u>State</u>	<u>Other</u>	<u>Total</u>
4,770		2,000		3,130	9,900



APPENDIX B

Ramsey County Public Works Cost Participation Policy Approved May 28, 2013



RAMSEY
COUNTY

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.



**RAMSEY
COUNTY**

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%	

Ramsey County Public Works Department 2017-2021 Transportation Improvement Plan

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	

Ramsey County Public Works Department 2017-2021 Transportation Improvement Plan

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.

Ramsey County Public Works Department 2017-2021 Transportation Improvement Plan

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.

Ramsey County Public Works Department 2017-2021 Transportation Improvement Plan

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.

Ramsey County Public Works Department 2017-2021 Transportation Improvement Plan

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%	

Ramsey County Public Works Department 2017-2021 Transportation Improvement Plan

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	

Ramsey County Public Works Department 2017-2021 Transportation Improvement Plan

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.

Ramsey County Public Works Department 2017-2021 Transportation Improvement Plan

APPENDIX C

2017-2021 Transportation Improvement Program Construction Projects

Location	Rd. No.	Termini	Lead Agency	City	Work Proposed	Year
Beam Avenue	20	at Hazlewood St.	RC	MW	intersection and turn lane revisions	2017
Cleveland Avenue	46	Como Ave. to Larpenteur Ave.	RC	FH/SP	corridor study	2017
Cleveland Avenue	46	Hendon Ave. to Larpenteur Ave.	RC	FH/SP	reconstruction	2019
Cleveland Avenue	46	at CR B	MnDOT	RV	signal reconstruction	2020
Cleveland Avenue	46	Como Ave. to Hendon Ave.	RC	SP	reconstruction	2020
County Road B	25	Dale St. to Sandhurst Dr.	RV	RV	Sidewalk construction	2018
County Road B2	25	at TH 51 west ramp	RV	RV	signal/turn lane reconstruction	2017
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/V H	major drainage/CIR	2019
County Road E/Old Snelling Avenue	15,76	TH 51 to Valentine Lake Rd.	AH	AH	trail construction	2019
County Road F	12	Hamline Ave. to 600' W. of Lexington Ave.	RC	AH	reconstruction	2018
Dale Street	53	at Wheelock Pkwy.	SP	SP	signal reconstruction	2017
Dale Street	53	Iglehart Ave. to University Ave.	RC	SP	interchange reconstruction	2018
Eustis Street	127	350' N. of Como Ave. to Roselawn Ave.	RC	LD	reconstruction	2019
Highway 96	96	Snelling Ave. to TH 61	RC	multiple	system management	2018
Hodgson Road	49	Gramsie Street to Bridge Street	RC	SV	reconstruction	2021
Jackson Street	55	Pennsylvania Ave. to Acker St.	RC	SP	bridge reconstruction	2020
Jackson Street	55	Maryland Ave. to Arlington St.	RC	SP	bridge reconstruction	2021
Lexington Avenue	51	County Road E to I-694	RC	AH/SV	reconstruction	2020
Lexington Parkway	51	Concordia Ave. to St. Anthony Ave.	RC	SP	signal reconstruction	2018
Marshall Avenue	35	Mississippi River bridge	HC	SP	bridge repair	2017

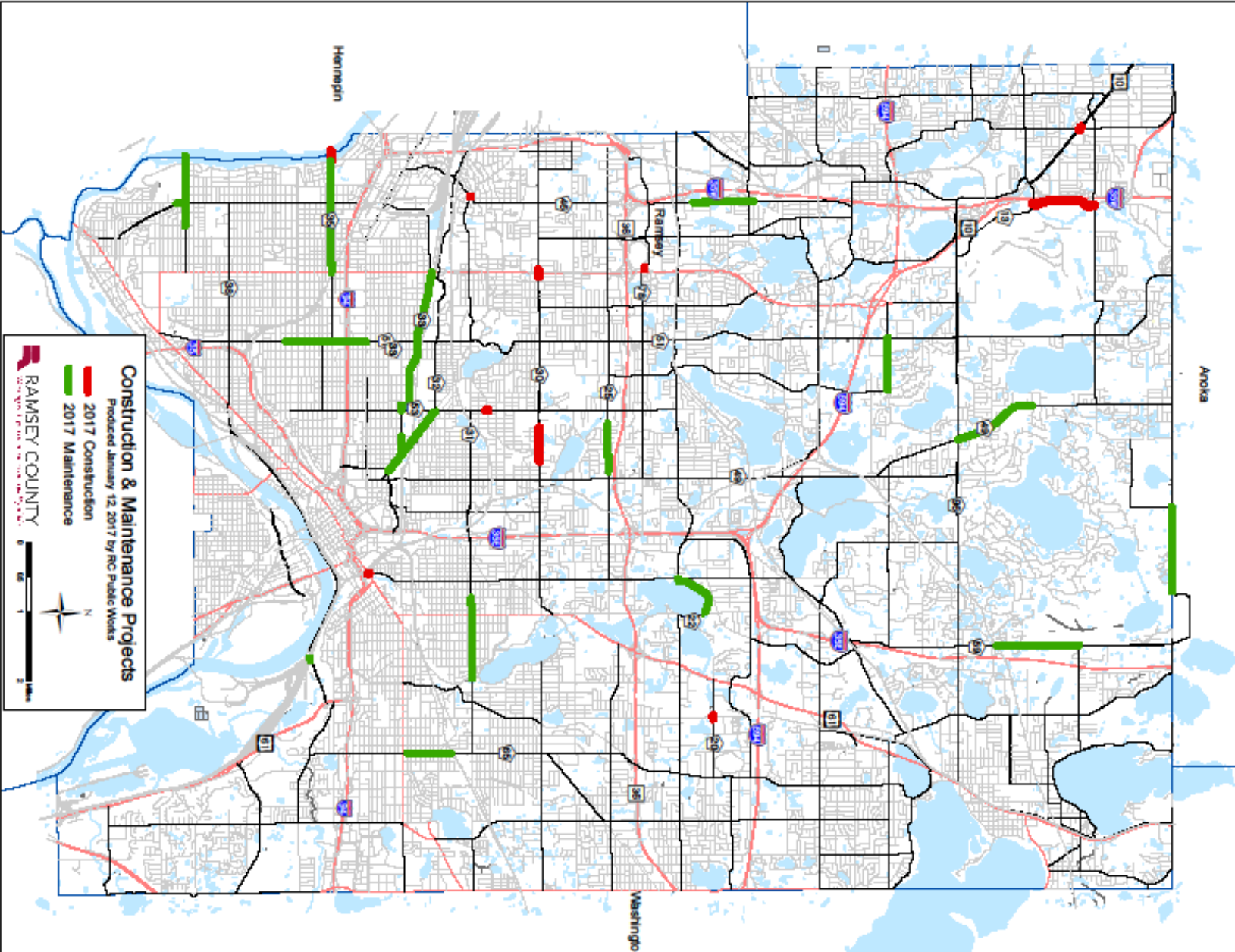
Ramsey County Public Works Department 2017-2021 Transportation Improvement Plan

Location	Road No.	Termini	Lead Agency	City	Work Proposed	Year
Maryland Avenue	31	Clark St. to Edgerton St.	RC	SP	signals/geometrics	2019
Mounds View Boulevard	10	Groveland Rd. to Woodland Dr.	MV	MV	trail construction	2018
Payne Avenue	58	at E. 7 th St.	SP	SP	intersection reconstruction	2017
Raymond Avenue	46	at Como Ave.	SP	SP	signal reconstruction	2017
Rice Street	49	Rose Ave. to Arlington St.	RC	SP	reconstruction	2018
Rice Street	49	Larpenteur Ave. to 800' S. of CR B	RC	MW/RV	reconstruction	2020
Rice Street	49	County Road B2 to County Road C2	RC	LC/RV	reconstruction	2021
Silver Lake Road	44	MNRR/Rice Creek Trail crossing	RC	NB	crossing improvements	2018
TCAAP Spine Road		CSAH 96 to CR H	RC	AH	construction	2018
White Bear Avenue	65	at I-694	RC	MW/WB	interchange reconstruction	2021

APPENDIX D

Project Location Maps

Ramsey County Public Works Department 2017-2021 Transportation Improvement Plan



Ramsey County Public Works Department 2017-2021 Transportation Improvement Plan

