



# Ramsey County Public Works Department 2016-2020 Transportation Improvement Program



**RAMSEY COUNTY PUBLIC WORKS DEPARTMENT**

**2016 - 2020 TRANSPORTATION IMPROVEMENT PROGRAM  
AND  
DEFICIENT BRIDGE PROGRAM**

**RAMSEY COUNTY BOARD OF COMMISSIONERS**

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# Ramsey County Public Works Department 2016-2020 Transportation Improvement Plan

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# Ramsey County Public Works Department 2016-2020 Transportation Improvement Plan

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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 2016-2020 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 2016, maintenance projects for 2016, capital improvement projects for 2017, 2018, 2019, and 2020 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 2015, 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.

# Ramsey County Public Works Department 2016-2020 Transportation Improvement Plan

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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.

## Ramsey County Public Works Department 2016-2020 Transportation Improvement Plan

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### 2016 Construction Projects

Location	Road No.	Termini	City	Work Proposed	CSAH	County	CTB	City	State	Other	Total
County Road H	9	Old Hwy. 8 to I-35W	AH/MV	interchange reconstruction	200			300	6,800	(1) 12,700	20,000
White Bear Avenue	65	I-94 to Beech St.	SP	reconstruction	4,770			2,000		(2) 3,130	9,900
Randolph Avenue	38	Syndicate St. to I-35E	SP	reconstruction	3,800			1,500	32		5,332
Raymond Avenue	46	Energy Park Dr. to Como Ave.	SP	reconstruction	344			296		(2) 1,000	1,640
County Road E2	73	at I-35W	AH/MV	bridge reconstruction	265			100	2,800		3,165
County Road E2	73	5th St. to I-35W	MV	reconstruction	1,302			4,180			5,482
County Road B	25	at TH 120	NSP	signal reconstruction	60			60	120		240
Larpenteur Avenue	30	Mackubin St. to Galtier St.	RV	sidewalk construction	45			272			317
Lexington Avenue	51	at TH 36	RV	interchange reconstruction	218			21	13,261		13,500
Payne Avenue	58	at E. 7th St.	SP	intersection reconstruction	224			224	695		1,143
Rice Street	49	University Ave. to CR B	SP/MW/RV	corridor study	120						120
Centerville Road	19	Little Canada Rd. to Edgerton St.	LC	reconstruction	1,971			844			2,815
Maryland Avenue	31	at BNSF RR	SP	bridge reconstruction	167				334	(2) 748	1,249

## Ramsey County Public Works Department 2016-2020 Transportation Improvement Plan

Location	Road No.	Termini	City	Work Proposed	CSAH	County	CTB	City	State	Other	Total
<b>Cleveland Avenue</b>	46	Como Ave. to Larpenteur Ave.	SP/FH	corridor study	120						120
<b>Rice Street</b>	49	N. Owasso Blvd. to Vadnais Blvd.	LC/SV/VH	design engineering	819			250			1,069
<b>White Bear Avenue</b>	65	I-94 to Beech St.	SP	construction engineering	400						400
<b>Dale Street</b>	53	Iglehart Ave. to University Ave.	SP	design engineering	512						512
<b>Various</b>				signal revisions-APS	50						50
<b>Various</b>				RR Xing surface	100						100
<b>Various</b>				traffic studies	100						100
<b>Total</b>					<b>16,837</b>	<b>-</b>	<b>-</b>	<b>10,297</b>	<b>24,042</b>	<b>17,578</b>	<b>68,754</b>

(1) Local Road Improvement Program Funds

(2) Federal STP Funds

## Ramsey County Public Works Department 2016-2020 Transportation Improvement Plan

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### 2016 Maintenance Projects

Location	Road No.	Termini	City	Work Proposed	CSAH	County	City	Wheelage Tax	Total
<b>Cleveland Avenue</b>	46	Summit Ave. to St. Anthony Ave.	SP	mill & overlay				334	334
<b>County Road E</b>	15	TH 61 to TH 120	WB/GL/VH	mill & overlay				930	930
<b>County Road J</b>	1	Lexington Ave. to 930' W. of CSAH 49	SV	mill & overlay	462				462
<b>Edgerton Street</b>	58	Maryland Ave. to Larpenteur Ave.	SP	mill & overlay	359				359
<b>Edgerton Street</b>	58	TH 36 to Little Canada Rd.	LC	mill & overlay	381				381
<b>Ford Parkway</b>	42	River Bridge to Howell St.	SP	mill & overlay				556	556
<b>Maryland Avenue</b>	31	Greenbriar St. to Johnson Pkwy.	SP	mill & overlay				540	540
<b>North St. Paul Road</b>	29	Ripley Ave. to McKnight Rd.	MW/NSP	mill & overlay		389			389
<b>Portland Avenue</b>	71	Taylor Ave. to Short St.	WBT	mill & overlay	304				304
<b>Victoria Street</b>	52	CR B to CR B2	RV	mill & overlay		187			187
<b>Portland Avenue</b>	161	Short St. to CR J	WBT	CIR		169			169
<b>Upper Afton Road</b>	35	Burns Ave. to McKnight Rd.	SP	CIR		789			789
<b>Centerville Road</b>	59	East Oaks Rd. to CR H2	WBT/NO	CIR	663				663

## Ramsey County Public Works Department 2016-2020 Transportation Improvement Plan

Location	Road No.	Termini	City	Work Proposed	CSAH	County	City	Wheelage Tax	Total
County Road I	3	CSAH 10 to I-35W	MV	concrete rehabilitation	148	1,154	158		1,460
Larpenteur Avenue	30	TH 51 to Oxford St.	FH	concrete rehabilitation		922			922
Shepherd/Warner Road	37/36	Randolph Ave. to Childs Rd.	SP	concrete rehabilitation		714			714
Lexington Avenue	51	at Rice Creek Bridge	SV	concrete rehabilitation		21			21
Larpenteur Avenue	30	at Lake Phalen outlet	SP	drainage structure	50				50
Various				pedestrian ramps				1,300	1,300
Various				retaining walls	750				750
Various				crack seal	350				350
<b>Total</b>					<b>3,467</b>	<b>4,345</b>	<b>158</b>	<b>3,660</b>	<b>11,630</b>

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### 2017 Construction Projects

Location	Road No.	Termini	City	Work Proposed	CSAH	County	CTB	City	State	Other	Total
Highway 10	10	at Long Lake Rd.	MV	signals/geometrics	35					(1) 316	351
Dale Street	53	Iglehart Ave. to University Ave.	SP	interchange reconstruction	1,091			300		(1) 5,566	6,957
TCAAP Parkway		CR H to CR I	AH/SV	construction						(2) 4,499	4,499
TCAAP Spine Road		CSAH 96 to CR H	AH	construction						(2) 7,325	7,325
Warner Bridge	36	over Childs Rd.	SP	bridge rehabilitation	250						250
Warner Bridge	36	over Childs Rd.	SP	bridge engineering	75						75
Highway 10	10	Groveland Rd. to Woodland Dr.	MV	trail construction	40			588			628
Highway 96	96	Snelling Ave. to TH 61		system management	473					(1) 1,894	2,367
Larpenteur Avenue	30	at TH 51	FH	turn lane construction	95			10	3,905		4,010
Rice Street	49	Maryland Ave. to BNSF RR Bridge	SP	reconstruction	685		1,000	200			1,885
Rice Street	49	Maryland Ave. to BNSF RR Bridge	SP	design engineering	380						380
Various				signal revisions-APS	50						50
Various				RR Xing surface	50						50

# Ramsey County Public Works Department 2016-2020 Transportation Improvement Plan

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Location	Road No.	Termini	City	Work Proposed	CSAH	County	CTB	City	State	Other	Total
Various				guardrail updates	100						100
Various				traffic studies	100						100
<b>Total</b>					<b>3,424</b>	<b>-</b>	<b>1,000</b>	<b>1,098</b>	<b>3,905</b>	<b>23,880</b>	<b>33,307</b>

(1 )Federal STP Funds      (2) Local Road Improvement Program Funds

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### 2018 Construction Projects

Location	Road No.	Termini	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	trail construction	136			317		(1) 1,100	1,553
Rice Street	49	N. Owasso Blvd. to Vadnais Blvd.	LC/SV/VH	interchange construction			1,200	1,200		(2) 18,500	20,900
Rice Street	49	Larpenteur Ave. to 800' S. of CR B	RV/MW	reconstruction	3,060		2,000	400			5,460
Cleveland Avenue	46	Hoyt Ave. to Larpenteur Ave.	FH/SP	reconstruction	1,000			200	425		1,625
Various				signal revisions-APS	50						50
Various				RR Xing surface	50						50
Various				traffic studies	100						100
<b>Total</b>					<b>4,396</b>	<b>-</b>	<b>3,200</b>	<b>2,117</b>	<b>425</b>	<b>19,600</b>	<b>29,738</b>

(1) Federal STP Program Funds

(2) MN Legislative Funds (pending)

## Ramsey County Public Works Department 2016-2020 Transportation Improvement Plan

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### 2019 Construction Projects

Location	Road No.	Termini	City	Work Proposed	CSAH	County	CTB	City	State	Other	Total
<b>Rice Street</b>	49	CR B2 to CR C2	LC/RV	reconstruction	2,247		5,056	4,921			12,224
<b>Cleveland Avenue</b>	46	Buford Ave. to Hoyt Ave.	FH	reconstruction	1,000			200	425		1,625
<b>Various</b>				signal revisions-APS	50						50
<b>Various</b>				RR Xing surface	50						50
<b>Various</b>				traffic studies	100						100
<b>Total</b>					<b>3,447</b>	<b>-</b>	<b>5,056</b>	<b>5,121</b>	<b>425</b>	<b>-</b>	<b>14,049</b>

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### 2020 Construction Projects

Location	Road No.	Termini	City	Work Proposed	CSAH	County	CTB	City	State	Other	Total
White Bear Avenue	65	at I-694	MW/WB	interchange reconstruction	2,500			1,000	5,000	(1) 7,000	15,500
Hodgson Road	49	Gramsie St. to Bridge St.	SV	reconstruction			6,632	3,981			10,613
Maryland Avenue	31	at Edgerton St.	SP	signals/geometrics	105					(1) 943	1,048
Cleveland Avenue	46	Como Ave. to Buford Ave.	FH/SP	reconstruction	2,700			400	400		3,500
Jackson Street	55	Bridge No. 5664	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
<b>Total</b>					<b>9,305</b>	<b>-</b>	<b>6,632</b>	<b>6,381</b>	<b>12,600</b>	<b>7,943</b>	<b>42,861</b>

(1) Federal STP Funds

# Ramsey County Public Works Department 2016-2020 Transportation Improvement Plan

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## 2016-2020 TIP Funding

Location	CSAH	County	CTB	City	State	Wheelage Tax	Other	Total
<b>2016 Construction</b>	16,837			10,297	24,042		17,578	68,754
<b>2016 Maintenance</b>	3,467	4,345		158		3,660		11,630
<b>2017 Construction</b>	3,424		1,000	1,098	3,905		23,880	33,307
<b>2018 Construction</b>	4,396		3,200	2,117	425		19,600	29,738
<b>2019 Construction</b>	3,447		5,056	5,121	425			14,049
<b>2020 Construction</b>	9,305		6,632	6,381	12,600		7,943	42,861
								-
<b>Total</b>	<b>40,876</b>	<b>4,345</b>	<b>15,888</b>	<b>25,172</b>	<b>41,397</b>	<b>3,660</b>	<b>69,001</b>	<b>200,339</b>

# Ramsey County Public Works Department 2016-2020 Transportation Improvement Plan

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## 2016-2020 Deficient Bridges

Location	Road No.	Termini	Bridge No.	Sufficiency Rating	MN Priority	Fed. Replacement Eligible?	Fed. Rehab. Eligible?	State Eligible?	Year
Jackson Street	55	over BNSF RR	5664	34.5		no	no	yes	
Jackson Street	55	over BNSF RR	90408	67.8		no	no	yes	
Jackson Street	55	over BNSF RR	90409	30.6		no	no	yes	
Old Highway 8	77	over MCRR	4533	43.6		no	no	yes	
County Road C	23	over BNSF	62519	60.7		yes	yes	no	

# Ramsey County Public Works Department 2016-2020 Transportation Improvement Plan

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## Proposed Pavement Maintenance 2017-2020

Location	Road No.	Termini	City	Work Proposed
<b>Bald Eagle Boulevard</b>	249	CR H2 to CR J	WBT	Bituminous Resurfacing
<b>Carver Avenue</b>	43	TH 61 to Century Ave.	SP/MW	Bituminous Resurfacing
<b>Centerville Road</b>	59	Edgerton St. to Hwy 96	LC/VH	Bituminous Resurfacing
<b>Century Avenue</b>	72	Carver Ave. to Lake Rd.	MW	Bituminous Resurfacing
<b>Century Avenue</b>	72	Cedar Ave. to CR F	WBT	Bituminous Resurfacing
<b>Cleveland Avenue</b>	46	St Paul Rd. to Randolph Ave.	SP	Bituminous Resurfacing
<b>Cleveland Avenue</b>	46	CR C to CR D	RV	Bituminous Resurfacing
<b>Como Avenue</b>	32	Snelling Ave. to Lexington Pkwy.	SP	Bituminous Resurfacing
<b>Como Avenue</b>	32	Dale St. to Marion St.	SP	Bituminous Resurfacing
<b>County Road B</b>	25	Dale St. to Rice St.	RV	Bituminous Resurfacing
<b>County Road C</b>	23	Victoria St. to Rice St.	RV	Bituminous Resurfacing
<b>County Road D</b>	19	Silver Lake Rd. to Fairview Ave.	SA/NB/RV/AH	Bituminous Resurfacing
<b>County Road D</b>	19	Edgerton St. to Walter St.	LC/MW/VH	Bituminous Resurfacing

## Ramsey County Public Works Department 2016-2020 Transportation Improvement Plan

Location	Road No.	Termini	City	Work Proposed
County Road E	15	West County Line to Silver Lake Rd.	NB/SA	Bituminous Resurfacing
County Road F	12	Hamline Ave. - Victoria St.	AH/SV	Bituminous Resurfacing
County Road F	12	Hodgson Rd. to Oakcrest Dr.	SV/VH	Bituminous Resurfacing
County Road F	12	McKnight Rd. to East County Line	WB/WBT	Bituminous Resurfacing
County Road H	9	Silver Lake Rd. to Hwy 10	MV/NB	Bituminous Resurfacing
County Road J	1	Hodgson Rd. to Centerville Rd.	SV/WBT/NO	Bituminous Resurfacing
Edgerton Street	58	Little Canada Rd. to CR D	LC/VH	Bituminous Resurfacing
Energy Park Drive	32	TH 280 to RR Tracks	SP	Bituminous Resurfacing
Eustis Street	127	City Limits to Roselawn Ave.	LD	Bituminous Resurfacing
Fairview Avenue	48	CR B to CR C2	RV	Bituminous Resurfacing
Hazelwood Street	64	Arlington Ave. to Larpenteur Ave.	SP	Bituminous Resurfacing
Hodgson Road	49	CSAH 96 to S. Birch Ln.	SV	Bituminous Resurfacing
Hugo Road	154	Buffalo St to CR J	WBT	Bituminous Resurfacing
Jackson Street	55	Arlington Ave. to Larpenteur Ave.	SP	Bituminous Resurfacing
Keller Parkway	22	Edgerton St. to CR C	LC	Bituminous Resurfacing
Koehler Road	14	Edgerton St. to Centerville Rd.	VH	Bituminous Resurfacing

## Ramsey County Public Works Department 2016-2020 Transportation Improvement Plan

Location	Road No.	Termini	City	Work Proposed
Larpenteur Avenue	30	East Shore Dr. to TH 120	SP/MW	Bituminous Resurfacing
Lexington Parkway	51	James Ave. to University Ave.	SP	Bituminous Resurfacing
Lexington Avenue	51	CR E to CR F	AH/SV	Bituminous Resurfacing
Long Lake Road	45	19th Ave to CR H	NB	Bituminous Resurfacing
McKnight Road	68	Carver Ave. to Highwood Ave.	SP/MW	Bituminous Resurfacing
Minnehaha Avenue	33	Arundel St. to Como Ave.	SP	Bituminous Resurfacing
Minnehaha Avenue	34	McKnight Rd. to TH 120	MW	Bituminous Resurfacing
Otter Lake Road	60	Hwy 96 to Birch Lake Blvd	WB	Bituminous Resurfacing
Owasso Boulevard North	18	Soo St. to Rice St.	SV	Bituminous Resurfacing
Payne Avenue	58	TH 5 to Edgerton St.	SP	Bituminous Resurfacing
Pierce Butler Route	33	Snelling Ave. to Minnehaha Ave.	SP	Bituminous Resurfacing
Plato Boulevard	40	Water St. to Fillmore St.	SP	Bituminous Resurfacing
Portland Avenue	71	Hwy 96 to Taylor Ave.	WBT	Bituminous Resurfacing
Randolph Avenue	38	Cleveland Ave. to Snelling Ave.	SP	Bituminous Resurfacing
Rice Street	49	Vadnais Blvd. to Gramsie St.	SV/VH	Bituminous Resurfacing
Roselawn Avenue	26	W Co Line Fulham St.	LD/RV	Bituminous Resurfacing

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<b>Location</b>	<b>Road No.</b>	<b>Termini</b>	<b>City</b>	<b>Work Proposed</b>
<b>Saint Paul Avenue</b>	46	Edgecumbe Rd. to Bohland Ave.	SP	Bituminous Resurfacing
<b>Selby Avenue</b>	35	Lexington Ave. to Victoria St.	SP	Bituminous Resurfacing
<b>Snelling Avenue</b>	76	CR F to CSAH 96	AH/MV	Bituminous Resurfacing
<b>Soo Street</b>	136	Cardigan Dr. to Owasso Blvd. N	SV	Bituminous Resurfacing
<b>South Shore Boulevard</b>	94	White Bear Ave. to CR F	WB/WBT	Bituminous Resurfacing
<b>Stillwater Street</b>	86	Otter Lake Rd. to Division St.	WBT	Bituminous Resurfacing
<b>White Bear Avenue</b>	65	Minnehaha Ave. to RR Bridge	SP	Bituminous Resurfacing
<b>White Bear Avenue</b>	65	Upper Afton Rd. to I-94	SP	Bituminous Resurfacing

## Appendix A Status of Previous TIP Projects

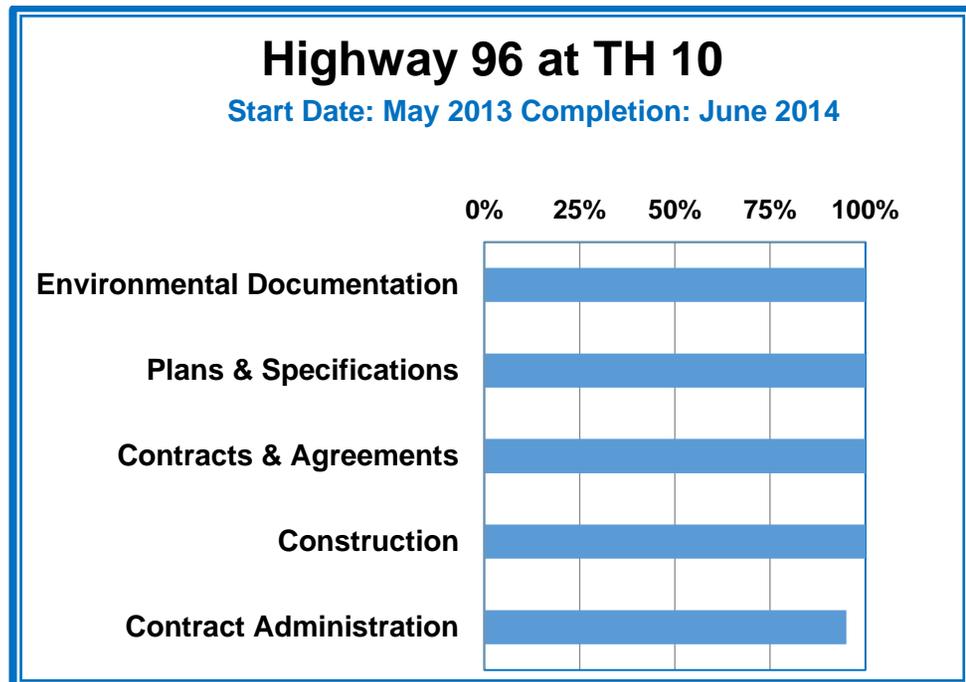
2015 Maintenance Projects- Paving is 100% Complete.

Location	Road No.	Termini	City	Work Proposed
Cleveland Avenue	46	Randolph Ave. to Summit Ave.	SP	mill & overlay
Rice Street	49	University Ave. to RR bridge	SP	mill & overlay
Larpenteur Avenue	30	Edgerton St. to Parkway Dr.	MW/SP	mill & overlay
Bellaire Avenue	160	CR E to South Shore Blvd.	WBL/WBT	CIR
Lexington Avenue	51	Pleasant Ave. to Randolph Ave.	SP	mill & overlay
Front Avenue	32	Lexington Ave. to Dale St.	SP	mill & overlay
Pennsylvania Avenue	33	Como Ave. to Rice St.	SP	mill & overlay
Marion Street	56	St. Anthony Ave. to Como Ave.	SP	mill & overlay
Pierce Butler Route	33	University Ave. to Snelling Ave.	SP	mill & overlay
White Bear Avenue	65	Frost Ave. to Cope Ave.	MW	overlay
White Bear Avenue	65	Hill Dr. to Radatz Ave.	MW	overlay
Como Avenue	32	Marion St. to Rice St.	SP	mill & overlay
St. Croix Street	24	TH 280 to Terminal Rd.	RV	overlay
Cleveland Avenue	46	Larpenteur Ave. to CR B	RV	mill & overlay
Otter Lake Road	60	Hennessey Vista to CR H2	WBT	CIR
White Bear Avenue	65	RR bridge to Larpenteur Ave.	SP	mill & overlay
Dale Street	53	3220' N. of TH 36 to CR C	RV	mill & overlay
Lexington Avenue	51	CSAH 96 to CR I	AH/SV	mill & overlay
County Road I	3	Lexington Ave. to Hodgson Rd.	SV	mill & overlay

## Highway 96 at Trunk Highway 10- Interchange Construction

Funding:

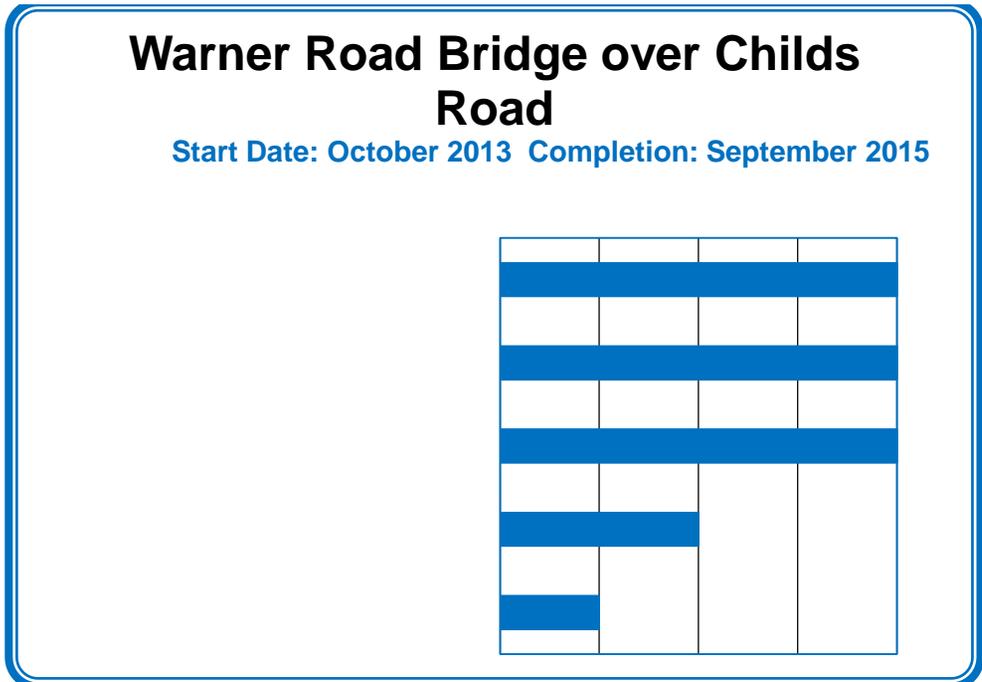
CSAH	CTB	City	State	Other	Total
	3,554	150	1,756	11,130	15,590



### Warner Road Bridge over Childs Road

Funding:

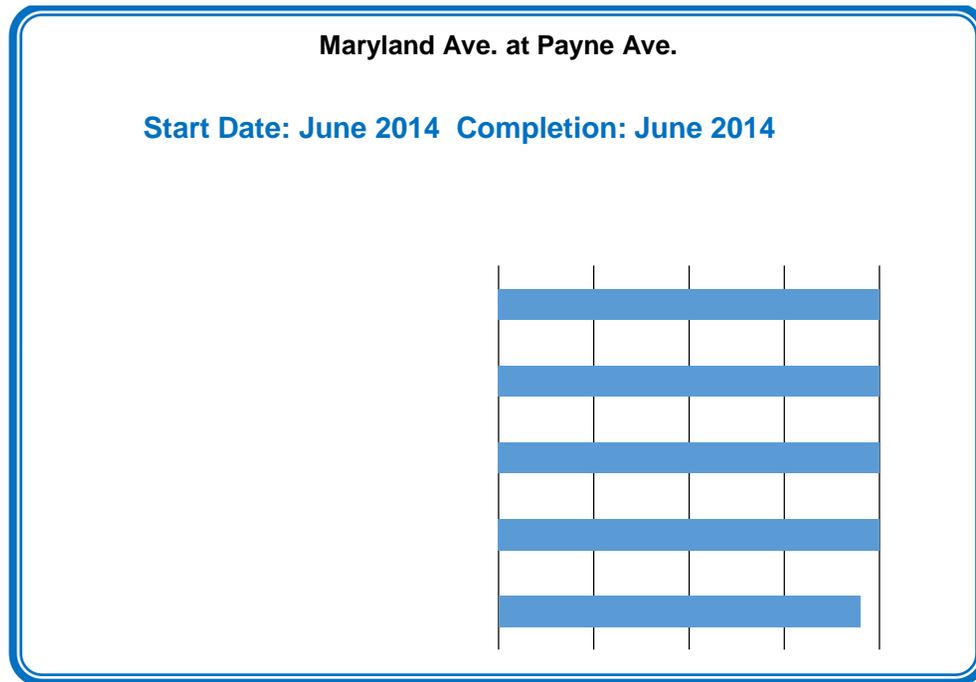
CSAH	CTB	City	State	Other	Total
3,873		1,023	2,953	8,766	16,615



### Maryland Avenue at Payne Avenue- Signals and Geometrics

Funding:

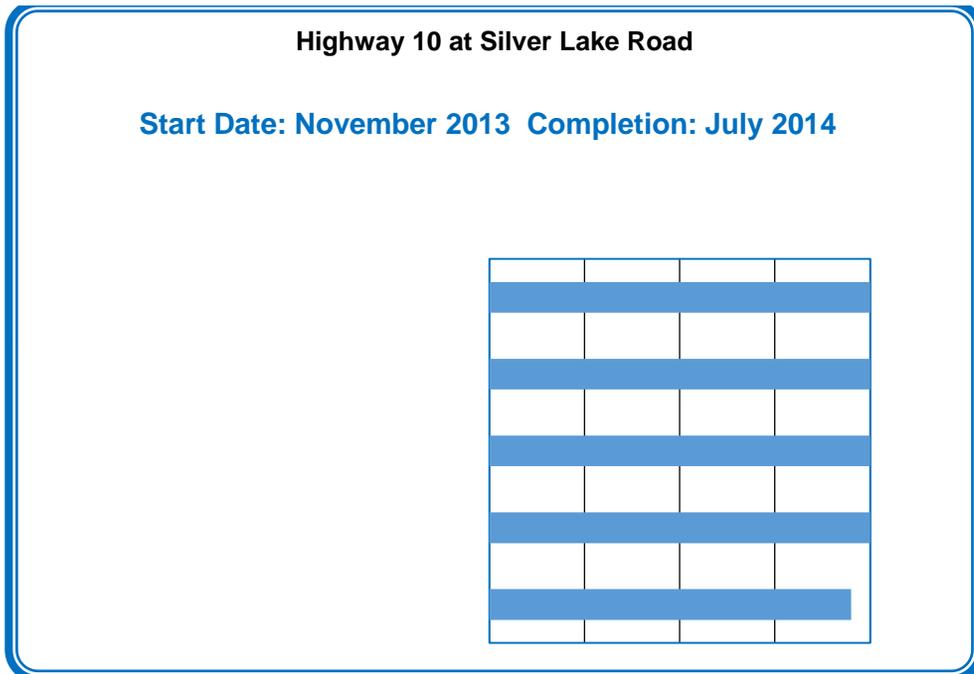
<u>CSAH</u>	<u>CTB</u>	<u>City</u>	<u>State</u>	<u>Other</u>	<u>Total</u>
1,350		1,050		1,363	3,763



## Highway 10 at Silver Lake Road- Signals and Geometrics

Funding:

CSAH	CTB	City	State	Other	Total
177		23		266	466



## APPENDIX B

### Ramsey County Public Works Cost Participation Policy

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 2016-2020 Transportation Improvement Plan

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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 2016-2020 Transportation Improvement Plan

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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 2016-2020 Transportation Improvement Plan

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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 2016-2020 Transportation Improvement Plan

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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 2016-2020 Transportation Improvement Plan

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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 2016-2020 Transportation Improvement Plan

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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 2016-2020 Transportation Improvement Plan

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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

## 2016-2020 Transportation Improvement Program Construction Projects

Location	Rd. No.	Termini	City	Work Proposed	Year
Centerville Road	19	Little Canada Rd. to Edgerton St.	LC	reconstruction	2016
Cleveland Avenue	46	Hoyt Ave. to Larpenteur Ave.	FH/SP	reconstruction	2018
Cleveland Avenue	46	Buford Ave. to Hoyt Ave.	FH	reconstruction	2019
Cleveland Avenue	46	Como Avenue to Buford Ave.	SP	reconstruction	2020
County Road B	25	At TH 120	NSP	signal reconstruction	2016
County Road D	19	Cleveland Ave. to Fairview Ave.	AH	reconstruction	2019
County Road E	15	at TH 51	AH	interchange reconstruction	2015
County Road E/Old Snelling Ave.	15,76	TH 51 to Valentine Lake Rd.	AH	trail construction	2018
County Road E2	73	at I-35W	NB	bridge replacement	2016
County Road E 2	73	5 <sup>th</sup> St. to I-35W	NB	reconstruction	2016
County Road H	9	Old Hwy. 8 to I-35W	AH/MV	interchange reconstruction	2016
Dale Street	53	Iglehart Ave. to University Ave.	SP	interchange reconstruction	2017
Ford Parkway	42	Howell St. to Snelling Ave.	SP	reconstruction	2015
Highway 10	10	Groveland Rd. to Woodland Dr.	MV	trail construction	2017
Highway 10	10	at Long Lake Road	AH/MV	signals/geometrics	2017
Highway 96	96	Snelling Ave. to TH 61	Various	system management	2017
Hodgson Road	49	Gramsie St. to Bridge St.	SV	reconstruction	2020
Jackson Street	55	Bridge No, 5664	SP	bridge reconstruction	2020
Larpenteur Avenue	30	at TH 51	FH	turn lane construction	2017
Lexington Avenue	51	at TH 36	RV	interchange reconstruction	2016
Maryland Avenue	31	at Edgerton St.	SP	geometrics/signals	2020
Maryland Avenue	31	at BNSF RR	SP	WB bridge reconstruction	2016
Payne Avenue	58	at E. 7 <sup>th</sup> St.	SP	intersection reconstruction	2016
Randolph Avenue	38	Hamline Ave. to I-35E	SP	reconstruction	2016
Raymond Avenue	46	Energy Park Dr. to Como Ave.	SP	reconstruction	2016

## Ramsey County Public Works Department 2016-2020 Transportation Improvement Plan

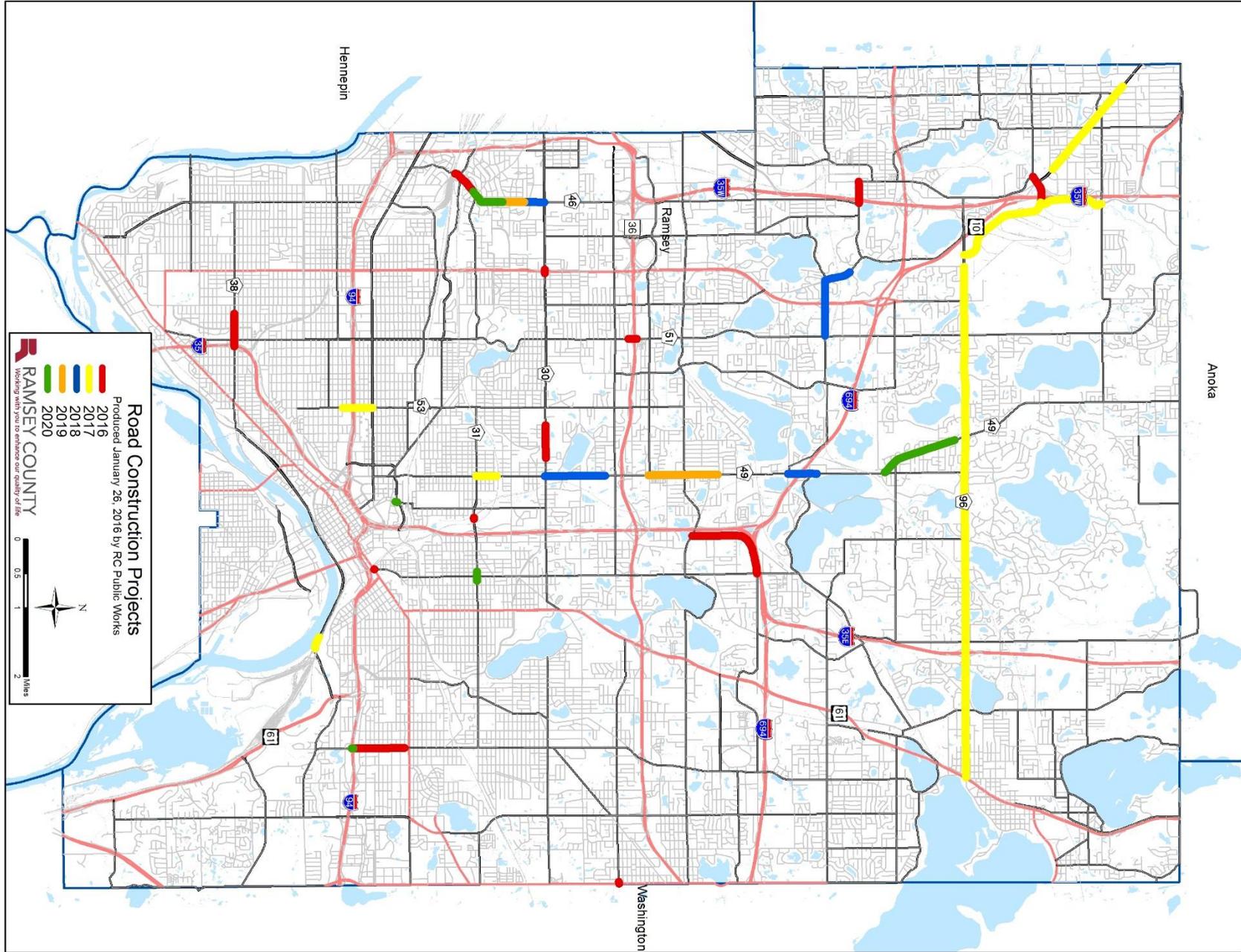
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Location	Rd. No.	Termini	City	Work Proposed	Year
Rice Street/Hodgson Rd.	49	Gramsie to Bridge St.	AV/VH	reconstruction	2019
Rice Street	49	County Road B2 to County Road C2	RV/LC	reconstruction	2019
Rice Street	49	N. Owasso Blvd. to Vadnais Blvd.	LC/SV/VH	interchange reconstruction	2018
Rice Street	49	Larpenteur Ave. to 800' S. of CR B	MW/SP	reconstruction	2019
Rice Street	49	Maryland Ave. to BNSF RR Bridge	SP	reconstruction	2018
TCAAP "Spine" Road		CSAH 96 to CR H	AH	construction	2017
TCAAP "Thumb" Road		CR H to CR I	AH	construction	2017
Warner Bridge	36	at Childs Rd.	SP	bridge rehabilitation	2017
White Bear Avenue	65	I-94 to Beech St.	SP	reconstruction	2016
White Bear Avenue	65	at I-694	MW/WB	interchange reconstruction	2020

## **APPENDIX D**

### **Project Location Maps**

# Ramsey County Public Works Department 2016-2020 Transportation Improvement Plan



# Ramsey County Public Works Department 2016-2020 Transportation Improvement Plan

