

RAMSEY COUNTY PUBLIC WORKS DEPARTMENT

**2007 - 2011 TRANSPORTATION IMPROVEMENT PROGRAM
AND
DEFICIENT BRIDGE PROGRAM**

RAMSEY COUNTY BOARD OF COMMISSIONERS

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**Prepared by Ramsey County Public Works Department
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TABLE OF CONTENTS

Page

2007 Construction Projects	1
2007 Maintenance Projects	2
2008 Construction Projects	3
2009 Construction Projects	4
2010 Construction Projects	5
2011 Construction Projects	6
Un-funded Construction Projects	7
Totals	8
Deficient Bridge Program	9
Appendices	
A. Ramsey County Cost Participation Policy	
B. Alphabetical Listing of Projects	
C. Project Location Maps	

INTRODUCTION

The Ramsey County Department of Public Works has responsibility for the provision of a transportation network of County roads within the County. Ramsey County consists of 103,923 acres of land (170.2 square miles) with a 2000 population of 511,000.

There are two types of roads under the jurisdiction of the County: County State Aid Highways, numbered 1 through 79, whose construction and maintenance are funded primarily from the Minnesota Highway User Tax Distribution Fund; and County roads, numbered 80 through 163, which are funded from property taxes. All of these roads and the 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 contained in this Transportation Improvement Program for 2007 to 2011.

The Transportation Improvement Program is developed by assessing the condition of the existing system and its adequacy to meet needs. Deficiencies are analyzed and alternative actions to correct them are considered. Priorities are established with community involvement. The need for a project is considered along with technical staff capabilities and funding availability. A score was developed for projects by assessing these and other factors to determine how projects should be prioritized for implementation.

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 2007, maintenance projects for 2007, capital improvement projects for 2008, 2009, 2010, 2011 and a deficient bridge program.

The estimated costs identified in this program are based on Ramsey County's experience in the reconstruction of similar roadways. The participation shown is in accordance with the Ramsey County cost participation guidelines (Resolution No. 88-265), which was adopted by the Ramsey County Board of Commissioners on May 10, 1988. A copy of the cost participation guidelines is attached.

The Ramsey County Department of Public Works will do an annual review and programming of 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.

DEFINITION OF HEADINGS USED IN TIP

Location: Name of road
Rd. #: County 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
Project Status: Anticipated letting date of the project

Type: The various types of projects are as follows:

CON - A project to be performed by the Construction Division of Ramsey County
MND - A project of the Minnesota Department of Transportation
MNT - A project to be performed by the Maintenance Division of Ramsey County
ENV - A project of the Environmental Division of Ramsey County

Status: the progress made on a specific project. Letters A through G represent:

A - Identify need for project
B - Initiate work on a feasibility or federal report
C - Final feasibility or federal report approved
D - Plan preparation begun
E - Plans approved
F - Bidding and award of contract complete
G - Currently under contract

Funds \$ in 1000's:

CSAH - County State Aid Highway funds; County - County funds; City - City funds;
State - State Funds; Other - Other funds; 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.

2007 CONSTRUCTION PROJECTS

Location	Rd#	Termini	City	Work Proposed	Type	Status	Funds in 1000's					Total	
							CSAH	County	City	State	Other		
Vadnais Blvd	16	Twin Lk Blvd to Rice St	VH	reconstruct/realign	CON	D	200		50	2500	1550	(1,4)*	4300
Lower Afton Trail		Century to McKnight	MW	costruction	CON	D		200	100	321	(4)		621
Lake Links Trail		Joy Road to 20th St	NSP	Mn/DOT Design		A				100	(4)		100
Highway 49	49	at Minnesota	LC	signals/geometrics	CON	D	20		1325		390	(1)	1735
White Bear Ave	65	at Maryland	SP	signals/geometrics	CON	D	1000		750		650	(4)	2400
McKnight Rd	68	at TH 36	NSP	reconstruction	CON	F	6000		2500	7920	12950	(2,4)**	29370
Totals							7220	200	4725	10841	15540		38526

*State Turnback Funds Received (\$870,000). STP Received (\$680,000)

**Federal Discretionary Funds Received (\$5,550,000). STP Received (\$7,400,000)

Ramsey County's pavement management system uses general road inventory information, observed pavement conditions and field measurements to determine types of maintenance required on its roads. The pavement management system also establishes priorities and determines costs for the maintenance work. Projects will be completed pending availability of funds.

2007 MAINTENANCE SCHEDULE

Location	RD#	Termini	City	Work Proposed	Type	Funds in 1,000's			
						CSAH	County	City	Total
Cleveland Ave	46	St. Paul Ave to Randolph St	SP	mill/overlay	MNT		148		148
Maryland Ave	31	35E to Weide	SP	mill/overlay	MNT		161		161
County Rd B2	111	Victoria to Rice	RV	CIR	MNT		236		236
Sherwood Rd	4	1500' W of Curve - thru Curve	SV/WBT/NO	CIR	MNT		43		43
Stillwater St	86	Curve to Division	WBT	overlay	MNT		32		32
Lexington Pkwy	51	James to Fairmont	SP	mill/overlay	MNT	123	123		246
County Rd B2	24	St. Croix to 500' E of Cleveland	RV	mill/overlay	MNT	212			212
Lk Johanna Blvd	149	D to Snelling	AH	mill/overlay	MNT	220			220
McKnight Rd	68	Highwood to Lower Afton	SP/MW	mill/overlay	MNT	218			218
Old Highway 8	77	2nd to 5th	NB	mill/overlay	MNT	174			174
Viking Drive		1650' E of Rice to Nature Way	LC	CIR	MNT			99	99
Highway 88*	88	W Co Line to D	RV	overlay	MNT	1500			1500
County Rd D**	19	88 to 35W	NB/AH/RV	mill/overlay	MNT		83		83
Larpenteur Ave**	30	35E to Edgerton	SP	mill/overlay	MNT		91		91
County Rd J**	1	Rice Creek Pkwy to Lexington	SV	mill/overlay	MNT		148		148
Totals						2447	1065	99	3611

*Trunk Highway Turnback Funds

**61 Wear

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.

2008 CONSTRUCTION PROJECTS

Location	Rd#	Termini	City	Work Proposed	Type	Status	Funds in 1000's							
							CSAH	County	City	State	Other	Total		
Century Ave	72	Lower Afton to Woodbine	MW	reconstruction	CON	E	550		273	4300	(1)	1750	(2)	6873
Century Ave	72	Lake Rd to Lower Afton	MW	reconstruction	CON	E	1350		45			400	(2)	1795
Maryland Ave	31	west of I-35E	SP	rehab bridge	CON	D	300			1000	(5)	488	(2)	1788
Highway 49	49	over BNSF RR	SP	rehab bridge	CON	D						2860	(1)	2860
Snelling Ave		Roselawn to TH 36	FH/RV	signals/ 3rd lane	CON	D	55		55	590		900	(2)	1600
White Bear Ave	65	Radatz to D	MW/WBL	reconstruction	CON	B	2275		500			5100	(2)	7875
County Rd D	19	Walter to TH 61	MW	reconstruction	CON	A	691							691
Totals							5221		873	5890		11498		23482

(1) State Turnback Account (2) STP (3) State Bonds (4) Federal (other) (5) State Bridge Bonds (6) County Bonds to St. Paul

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.

2009 CONSTRUCTION PROJECTS

Location	Rd#	Termini	City	Work Proposed	Type	Status	Funds in 1000's					
							CSAH	County	City	State	Other	Total
Maryland Ave	31	at Rice St	SP	geometrics/signals	CON	A	800		150		675 (2)	1625
County Rd B2	78	Snelling to Fairview	RV	reconstruction	CON	A	1500			70	2280 (2)	3850
Highway 96	96	Old Hwy 8 to TH 10	AH/NB	reconstruction	CON	B			405	7200 (1)		7605
Totals							2300		555	7270	2955	13080

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2010 CONSTRUCTION PROJECTS

Location	Rd#	Termini	City	Work Proposed	Type	Status	Funds in 1000's					Total	
							CSAH	County	City	State	Other		
County Road D	19	at 35W	RV	signal replacement	CON	A	203		45	203			451
Warner Road	36	at Childs Rd	SP	replace EB Bridge	CON	A	1000		1000	1200 (5)	5000 (2)		8200
Maryland Ave	31	at Prosperity	SP	geometrics/signals	CON	A	600		150		675 (2)		1425
Totals							1803		1195	1403	5675		10076

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2011 CONSTRUCTION PROJECTS

Location	Rd#	Termini	City	Work Proposed	Type	Status	Funds in 1000's				
							CSAH	County	City	State	Other
Hamline Ave	50	at TH 36/Commerce St	RV	signal replacement	CON	A	125		94	31	250
Beam Ave	19	at TH 61	MW	signal replacement	CON	A	130		130	240	500
Totals							255		224	271	750

(1) State Turnback Account (2) STP (3) State Bonds (4) Federal (other) (5) State Bridge Bonds (6) County Bonds to St. Paul

Projects in the unfunded category have been deferred from the programmed category of the TIP based on an analysis of transportation funds available for the completion of projects programmed in the TIP. These projects will be placed back into the five-year programmed schedule based on the availability of additional transportation funding. Each project will be analyzed to determine their prioritization for inclusion in the programmed category of the TIP.

UNFUNDED CONSTRUCTION PROJECTS

Location	Rd#	Termini	City	Work Proposed	Type	Status	Funds in 1000's					
							CSAH	County	City	State	Other	Total
McKnight Rd	68	at Maryland	MW	signals/geometrics	CON	A	150		50			200
County Rd D	19	Cleveland to Fairview	AH/RV	reconstruction	CON	A	2025		675			2700
Highway 49/694	49	Vadnais Blvd to N Owasso	VH/SV/LC	reconst intrchg	CON	A	2500		1200	22300		26000
Centerville Rd	139	Little Canada to Edgerton	LC	reconstruction	CON	A	2700		675			3375
County Rd H	9	at Silver Lake Rd	NB/MV	signals/geometrics	CON	A	150					150
White Bear Ave	65	at E 7th	SP	signals/geometrics	CON	A	700		1500			2200
White Bear Ave	65	Minnehaha to I-94	SP	reconstruction	CON	A	5000		1500			6500
Pennsylvania Ave	33	Rice to Mississippi	SP	reconstruction	CON	A	3000		2000		1000	6000
White Bear Ave	65	at I-694	MW/WBL	reconst intrchg	CON	A	6000			9000		15000
Totals							22225		7600	31300	1000	62125

	CSAH	COUNTY	CITY	STATE	OTHER	TOTAL
TOTAL 2007 CONSTRUCTION	7220	200	4725	10841	15540	38526
TOTAL 2007 MAINTENANCE	2447	1065	99			3611
TOTAL 2008 CONSTRUCTION	5221		873	5890	11498	23482
TOTAL 2009 CONSTRUCTION	2300		555	7270	2955	13080
TOTAL 2010 CONSTRUCTION	1803		1195	1403	5675	10076
TOTAL 2011 CONSTRUCTION	255		224	271		750
TOTAL	19246	1265	7671	25675	35668	89525

RAMSEY COUNTY PUBLIC WORKS DEPARTMENT 2007-2011 DEFICIENT BRIDGE PRIORITIZATION

LOCATION	RD #	TERMINI	BRIDGE #	SUFF. RTNG.	MN. PRIOR.	FED REPL ELIG	FED REHAB ELIG	STATE ELIG	YEAR
Old Highway 8*	77	0.1 mi s. of E	2937	**					2007
Old Snelling Ave*	76	0.2 mi n. of E	656	**	2925			yes	2007
New Brighton Rd*	47	0.3 mi n. of E	90407	**	2905			yes	2007
Maryland Ave	31	west of I 35E	6600	44.1	2035		yes	yes	2008
Maryland Ave	31	west of I 35E	6599	42.2	1914		yes	yes	2008
Rice Street	49	over BNSF	9740				yes	yes	2008
Warner Rd	36	over Childs Rd	5950	45.2	1166	yes	yes	yes	2010
County Rd E	15	at TH 51	62010	81					2011
Water St	40	over Pickeral Outlet	90401	60.7	1416			yes	2011

*Railroad Jurisdiction - Requires Railroad to initiate construction or transfer of jurisdiction

**State Sufficiency Rating not Calculated on Bridges under Railroad Jurisdiction

APPENDIX A

RAMSEY COUNTY PUBLIC WORKS COST PARTICIPATION GUIDELINES FOR IMPLEMENTATION OF COUNTY POLICY AS OUTLINED IN RESOLUTION 9-1272 FOR THE CONSTRUCTION, RECONSTRUCTION AND MAJOR MAINTENANCE OF ROAD IMPROVEMENTS.

CURRENT STANDARDS FOR THE DESIGN AND CONSTRUCTION OF COUNTY STATE AID HIGHWAYS SHALL APPLY FOR THE INTERPRETATION OF THESE POLICIES.

(PERCENT)

CATEGORY	CSAH > 5000 POPULATION	COUNTY ROAD	CSAH < 5000 POPULATION & WHITE BEAR TOWNSHIP	COUNTY SHARE OF FEDERAL PROJECT*
Right of Way	0	0	0	100
Removals	100	100	100	100 of nonfederal share eligible for State Aid
Travel Lanes	100	100	100	100 of nonfederal share
Parking Lanes	25	0	100	25 of nonfederal share
Shoulders	25	0	100	25 of nonfederal share
Concrete Curb & Gutter (new)	25	0	25	25 of nonfederal share
Concrete Curb & Gutter (Replacement)	100 if in serviceable condition	0	100 if in serviceable condition	100 of nonfederal share
Storm Sewer	% eligible for State Aid	Assessment Policy	% eligible for State Aid	100 of nonfederal share eligible for State Aid

* Federal participation is estimated to be 50 to 77% of eligible items
 ** Traffic signal construction is addressed in a separate policy (County Board Resolution 81-1001)
 *** Retaining walls constructed in lieu of right of way acquisition

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(PERCENT)

CATEGORY	CSAH > 5000 POPULATION	COUNTY ROAD	CSAH < 5000 POPULATION & WHITE BEAR TOWNSHIP	COUNTY SHARE OF FEDERAL PROJECT*
Culverts	100-State Aid	100	100-State Aid	100 of nonfederal share
Watermain Modification	100 if required for travel lane construction	100 if required for travel lane construction	100 if required for travel lane construction	100 of nonfederal share eligible for State Aid if required for travel lane construction
Sanitary Sewer Modification	100 if required for travel lane construction	100 if required for travel lane construction	100 if required for travel lane construction	100 of nonfederal share eligible for State Aid if required for travel lane construction
Other Utilities (telephone, gas, cable TV, electric, pipelines, etc.)	0 inside existing R/W 100 outside R/W	0	0	0 inside existing R/W; nonfederal share outside R/W
Traffic Signals**	100 of county legs	100 of county legs	100 of county legs	100 of nonfederal share of county legs
Roundabouts	100 of county legs	100 of county legs	100 of county legs	100 of nonfederal share of county legs

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(PERCENT)

CATEGORY	CSAH > 5000 POPULATION	COUNTY ROAD	CSAH < 5000 POPULATION & WHITE BEAR TOWNSHIP	COUNTY SHARE OF FEDERAL PROJECT*
Intersecting Streets	Ratio of surface participation items	Ratio of surface participation items	Ratio of surface participation items	Ratio of surface participation items of nonfederal share
Retaining Walls	25 ***	0	25 ***	100 of nonfederal share
Grading Behind Curb	100	0	100	100 of nonfederal share
Pedestrian Grade Separations	25	25	25	0 of nonfederal share
Sidewalks (new)	25	25	25	0 of nonfederal share
Sidewalks (replacement)	100 if in serviceable condition & required for travel lane construction	0	100 if in serviceable condition & required for travel lane construction	100 of nonfederal share if in serviceable condition & required for travel lane construction
Bituminous Bikepath (new)	25 if on approved system & funds are available	25 if on approved & if funds are available	25 if on approved system & funds are available	0

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CURRENT STANDARDS FOR THE DESIGN AND CONSTRUCTION OF COUNTY STATE AID HIGHWAYS SHALL APPLY FOR THE INTERPRETATION OF THESE POLICIES.

(PERCENT)

CATEGORY	CSAH > 5000 POPULATION	COUNTY ROAD	CSAH < 5000 POPULATION & WHITE BEAR TOWNSHIP	COUNTY SHARE OF FEDERAL PROJECT*
Bituminous Bike-Path (replacement)	100 if in serviceable condition & required for travel lane construction	100 if in serviceable condition & required for travel lane construction	100 if in serviceable condition & required for travel lane construction	100 of nonfederal share if in serviceable condition
Bituminous Overlay	100	100	100	N/A
Replacement or Transplanting Trees	25	0	100	25 of nonfederal share
Replacement Shrubs	0	0	0	0
Fencing Replacement	100 if in serviceable condition; 0 if on county R/W or in poor condition	0	100 if in serviceable condition; 0 if on county R/W or in poor condition	100 of nonfederal share if in serviceable condition; 0 if on county R/W or in poor condition
Seeding, Sodding, Fertilizer	100	0	100	100 of nonfederal share eligible for State Aid

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(PERCENT)

CATEGORY	CSAH > 5000 POPULATION	COUNTY ROAD	CSAH < 5000 POPULATION & WHITE BEAR TOWNSHIP	COUNTY SHARE OF FEDERAL PROJECT*
Driveway Replacement	100	0	100	100 of nonfederal share eligible for State Aid
Preliminary Engineering	% of participation	% of participation	% of participation	% of participation prior to application of federal funds
Construction	% of participation	% of participation	% of participation	% of participation prior to application of federal funds

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APPENDIX B

Location	Rd#	Termini	City	Work Proposed	Type	Year
Beam Ave	19	at TH 61	MW	signal replacement	CON	2011
Century Ave	72	Lake Rd to Lower Afton Rd	MW	reconstruction	CON	2008
Century Ave	72	Lower Afton to Woodbine	MW	reconstruction	CON	2008
Cleveland Ave	46	St Paul Ave to Randolph	SP	mill/overlay	MNT	2007
County Rd B2	24	St Croix to 500' E of Cleveland	RV	mill/overlay	MNT	2007
County Rd B2	78	Snelling to Fairview	RV	reconstruction	CON	2009
County Rd B2	111	Victoria to Rice	RV	recycle	MNT	2007
County Rd D	19	Walter to 61	MW	reconstruction	CON	2008
County Rd D	19	Hwy 88 to D	AH/NB/RV	mill/overlay	MNT	2007
County Rd D	19	at I-35W	RV	signal replacement	CON	2010
County Rd J	1	Rice Creek Pkwy to Lexington	SV	mill/overlay	MNT	2007
Hamline Ave	50	at TH 36/Commerce St	RV	signal replacement	CON	2011
Highway 49	49	at Minnesota	LC	signals/geometrics	CON	2007
Highway 49	49	over BNSF RR	SP	rehab bridge	CON	2008
Highway 96	96	Old Hwy 8 to TH 10	AH/NB	reconstruction	CON	2009
Highway 88	88	W Co line to D	RV	overlay	MNT	2007
Lake Johanna Blvd	149	D to Snelling	AH	mill/overlay	MNT	2007
Lake Links Trail		Joy Rd to 20th St	NSP	MnDOT design		2007
Larpenteur Ave	30	35E to Edgerton	SP	mill/overlay	MNT	2007
Lexington Pkwy	51	James to Fairmont	SP	mill/overlay	MNT	2007
Lower Afton Trail		Century to McKnight	MW	construction	CON	2007
Maryland Ave	31	West of I 35E	SP	replace EB bridges	CON	2008
Maryland Ave	31	I 35E to Weide	SP	mill/overlay	MNT	2007
Maryland Ave	31	at Rice St	SP	geometrics/signals	CON	2009
Maryland Ave	31	at Prosperity	SP	geometrics/signals	CON	2010
McKnight Rd	68	Highwood to Lower Afton	SP/MW	mill/overlay	MNT	2007
McKnight Rd	68	McKnight at TH 36	NSP	reconstruction	CON	2007
Old Highway 8	77	2nd to 5th	NB	mill/overlay	MNT	2007

Location	Rd#	Termini	City	Work Proposed	Type	Year
Sherwood Rd	4	1500 W of Curve thru Curve	SV/NO/WBT	recycle	MNT	2007
Snelling Ave		Roselawn to Th 36	RV/FH	signals/3rd lane	CON	2008
Vadnais Blvd	16	Twin Lk Blvd to Rice St	VH	reconstruct/realign	CON	2007
Viking Drive		1650' E of Rice to Nature Way	LC	recycle	MNT	2007
Warner Rd	36	at Childs Rd	SP	replace EB bridge	CON	2010
White Bear Ave	65	at Maryland	SP	signals/geometrics	CON	2007
White Bear Ave	65	Radtz to D	MW/WBL	reconstruction	CON	2008

APPENDIX C