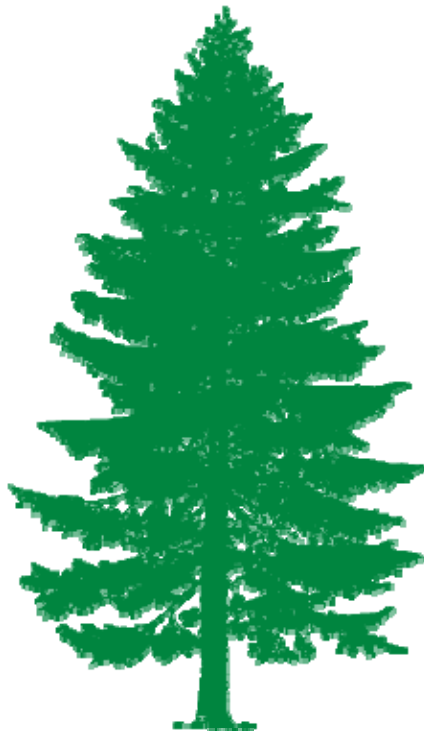


CROW WING COUNTY

Capital Improvements Plan

2012-2017



Prepared by the offices of the County Auditor-Treasurer and County Administrator

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2012 – 2017 Capital Improvements Plan

Introduction

The Crow Wing County Capital Improvements plan (CIP) is a multi-year guide to the construction and/or improvement of county roads and facilities and the acquisition of capital equipment. Through the process of preparing and updating a capital improvements plan, the county meets the need for orderly maintenance of the physical assets of the county. This CIP is intended to serve as a planning tool and is structured to present meaningful long-range perspective of the county's long-range capital needs.

Minnesota Statutes, Section 373.40, allows counties to plan and finance the “acquisition and betterment of public lands, buildings, and other improvements within the county for the purpose of a county courthouse, administrative building, health and social service facility, correctional facility, jail, law enforcement center, hospital, morgue, library, park, qualified indoor ice arena, and road and bridges.” The law requires that a Capital Improvements Plan be prepared which must cover at least a five-year period beginning with the date of the plan adoption. The CIP must set forth:

- 1) The estimated schedule, timing and details of specific capital improvements;
- 2) Estimated cost of the capital improvements identified;
- 3) The need for the improvements; and
- 4) The sources of revenues needed to pay for the improvements.

Approval of the CIP and annual amendments must be approved by the county board after a noticed public hearing.

The Crow Wing County Capital Improvements Plan has been created in accordance with the guidelines of Minnesota Statutes, Section 373.40. The CIP covers all public improvement and building projects for a six-year period. The first year of the CIP represents the current year's capital budget. The remaining five-years of the CIP are used to identify needed capital projects and to coordinate the financing and timing of these projects. CIP projects require a total expenditure of at least \$5,000 and must provide for or extend the useful life of the asset at least 5 years. While cost estimates and proposed funding sources are identified for each general improvement area, the CIP is not intended to provide a detailed or complete financing plan for each project. As the county prepares to undertake individual projects, the County Board will consider a specific funding source.

The CIP will be revised and updated on a periodic basis during the future budget cycles. Changes to the priorities established in the plan should be expected. Changes can be caused by reductions in funding levels, project delays due to price fluctuations, opportunities for grants or other aids, delays in obtaining construction permits or necessary approvals, emergency needs or simply changes in community preferences.

CIP Policy Overview

In adopting the capital improvements plan, the county finds:

- 1) The projects contained in the capital improvements plan are necessary to maintain the existing infrastructure of the county and to properly provide for the health, safety and general well being of its residents.
- 2) The proposed projects provide an adequate response to anticipated service demands in each area of operation.
- 3) The county has considered the costs of the projects and the available financial resources and has determined that the projects are within the financial ability of the county. Further, the county has determined that failure to undertake the CIP will create a greater financial burden through higher service cost alternatives and increased costs of future project options.
- 4) The public improvement projects will result in lower operating costs by avoiding maintenance expense and by providing public services in a cost effective manner. The projects have been designed to keep operating costs at a minimum.
- 5) The county has thoroughly reviewed the alternatives for undertaking the applicable projects through shared facilities with other counties or units of government. All of the proposed public facilities are an integral part

of the services provided by Crow Wing County. Crow Wing County will participate in shared facility options when such options are found to be either efficient or cost effective.

- 6) The CIP is designed to make the most effective use of all financial resources available to the county, including fund reserves, current budgeted revenues, grants, and borrowing. The county's goal is to strike a reasonable balance among all of its resources. The debt proposed in the CIP is within the statutory and financial capacity of the county. It will be difficult for the county to meet its public facility's needs in a timely manner without incurring debt. The county will structure all necessary debt in a manner that makes the best use of its financial resources and minimizes the impacts on county residents.
- 7) In preparing the CIP, the county has considered the impacts on operating costs. Projects are designed to keep the increases in operating costs to a minimum. Increases in operating costs are balanced with the overall need to provide the improvement.
- 8) The majority of the projects in the CIP are financed without incurring debt. For those projects utilizing debt, borrowing is needed to provide the improvement in a timely manner and to spread the financial impacts over a period of years. These objectives outweigh the increase in county or overlapping indebtedness.

Impact on Operating Budgets

The State of Minnesota occasionally imposes property tax levy limits on local government. For that reason, any new projects and all capital equipment purchases have been approved by the County Board on the premise that there will be little or no impact on operating budgets. Funding for capital improvements projects, capital equipment and various repair projects is provided within existing levy, and special levy outside of levy limits for debt service relating to capital improvements included in the six year capital improvements plan or reserves.

CIP projects that are proposed to be funded by General Fund revenues, Community Services revenues and Highway Fund revenues are intended to be included in the budget in the appropriate year(s). Even so, because circumstances may change between the adoption of the CIP and the Budget, CIP projects must be resubmitted as part of each department's annual budget request. Funds for such projects are not available unless and until they are included in the Budget approved by the County Board of Commissioners.

Most CIP regular projects are repair/replacement and maintenance projects. These projects should help improve operating efficiencies and offset increased costs for operations and repairs. By continuing an ongoing equipment replacement schedule, departmental operating budgets will not need to fund replacement of this equipment. Replacing equipment on a scheduled basis also results in reduced maintenance costs of the old equipment and can provide enhanced performance due to new equipment technology. Completion of scheduled building maintenance improvements will extend the lives of the buildings. Providing funds for building improvements annually will enable capital improvements to be scheduled as needed, over time, rather than waiting for an emergency situation which will cost more to correct.

Types of CIP Long-Term Financing

Most of the projects contained in the CIP can be funded through current property tax levy, fund balance, grants & aids, internal borrowing and reserves. Bonding is always an option for the county both in times that levy limits are imposed and for new facilities or major capital improvements. Crow Wing County will always review all other funding sources before bonding. Listed below are the types of bonds available to the county:

General Obligation Bonds Authorized by Special Election: Minnesota Statutes, Chapter 475, allows general obligation bonds to be issued for building purposes in an amount up to the county's debt limit. This requires a vote of the public and must be approved by one vote more than 50% of those voting. The tax for debt service is spread on the basis of market value (rather than net tax capacity, as all other options require).

Capital Improvement Plan/Bonds: Minnesota Statutes, Chapter 373.40, allows counties to issue general obligation bonds for purposes defined in the Capital Improvement Plan. The adoption of this capital improvements plan is the first step in gaining the authority to issue these bonds. Once the CIP has been approved, the county must hold a public hearing on its plans to issue bonds. The decision to issue capital improvement bonds is subject to "reverse referendum". The county may issue the bonds unless a petition requesting a referendum signed by voters equal to 5% of the votes cast in the most recent general election is filed with the county auditor within 30 days following the public hearing.

Jail Bonds: Minnesota Statutes, Section 641.23, allows the county to issue general obligation bonds authorized by Board resolution with project approval by the Commissioner of Corrections. These bonds may be issued for jail and other law enforcement facilities. Jail/law enforcement facility financing may also be accomplished under Minnesota Statutes, Section 641.24, with the bonds of a city within the county or a county housing and redevelopment authority that are backed by a general obligation lease-purchase agreement. The city or authority enters into a lease purchase agreement with the county, and the county (as lessee) makes payments over a period of time to the lessor in an amount sufficient to cover the bond principle and interest. Annual rentals may not exceed one-tenth of one percent of market value.

Other Financing Options: Minnesota Statutes, Chapter 373, allows counties to issue general obligation Capital Notes to finance road construction, public safety, medical, and data processing equipment. There is also special authority when approved by the Statewide Radio Board to issue either capital notes or CIP bonds under Minnesota Statute, Section 373.47, for public safety communication system infrastructure and equipment for use on a statewide or shared radio system. For state aid road improvements, State aid payments can be pledged to retire general obligation bonds (M.S. Chapter 162).

Statutory Debt Limit

Minnesota counties have a debt limit equal to 3% (2% prior to 2007) of the taxable market value. This statutory limit applies to (1) general obligation bonds expected to be paid entirely from property taxes (not, for instance, to bonds which may have special assessments and/or revenues pledged to their payment) and (2) to lease purchase financing which is more than \$1,000,000 in size.

The calculation of Crow Wing County's debt limit is as follows:

Market value of taxable property	\$12,018,042,400
Times 3%	<u>x .03</u>
Gross debt limit	\$ 360,541,272
Less: net general obligation bonds outstanding	<u>- 40,269,574</u>
Available debt limit	\$ 320,271,698

The CIP Process

The process begins with the distribution of instructions to department heads. Department heads fill out project requests to be considered for the current year capital budget and the next five-year CIP period. In the future, each department head is responsible for reviewing the most recent CIP to determine the funding necessary for projects that are currently identified in the CIP. Based on this review and a review of new requirements for capital improvements for the next period, the department head completes a CIP spreadsheet. Once the capital project spreadsheet has been completed and prioritized by using the capital project-rating sheet, the forms are submitted to the Auditor – Treasurer’s office. The Auditor – Treasurer’s office conducts an analysis of the capital projects to assure that sufficient data has been provided and that the cost estimates are reasonable. The requests are reviewed and the budget committee will make recommendations. Upon county board adoption in December, the final CIP document is produced and distributed to the departments for implementation of the plan. The county board can only approve budgets on an annual basis. Therefore, capital expenditures approved spending will be for the current year only.

Organization of the CIP

The CIP is divided into seven sections (all Highway projects and totals are in section 6):

Summary by fund: Section (1) shows a one-page layout of total dollars by fund & department by year.

Funding sources summary by year: Section (2) shows by year the funding source for each individual project.

Summary by department: Section (3) shows the total dollars by department by year.

Department detail: Section (4) shows a detailed listing of all projects in the CIP by department.

Project request forms: Section (5) shows all project request forms from the departments.

Highway improvements plan 2011 – 2015: Section (6) contains the Highway Departments improvement plan.

CROW WING COUNTY
2012 - 2017
CAPITAL IMPROVEMENT PLAN
SUMMARY BY FUND

	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>TOTAL</u>
GENERAL FUND RESERVES	63,000	15,000	-	-	-	-	78,000
FORFEITED TAX SALE FUND	59,000	9,000	9,000	30,000	10,000	10,000	127,000
CAPITAL PROJECTS FUND	2,482,255	2,648,000	2,037,000	2,631,000	8,174,000	2,159,000	20,131,255
SOLID WASTE FUND	400,000	1,580,000	80,000	80,000	80,000	80,000	2,300,000
CAPITAL IMPROVEMENT BONDS	-	-	-	-	4,000,000	-	4,000,000
GRAND TOTAL	3,004,255	4,252,000	2,126,000	2,741,000	12,264,000	2,249,000	26,636,255

**CROW WING COUNTY
2012 CIP
FUNDING SOURCES SUMMARY**

Year	Project Title	Project #	Department	Capital Improvement Projects Fund	Solid Waste Fund	Forfeited Tax Sale	Fund 2 Reserved & Designated	Total
2012	Vehicle Replacement	420-2005	Community Services	50,000				50,000
2012	DMS Client Index	420-2003	Community Services	75,000				75,000
2012	Document Management System	420-2002	Community Services	157,775				157,775
2012	CHAMP Web Based Upgrade	420-2004	Community Services	60,000				60,000
			Community Services Total	342,775	-	-	-	342,775
2012	Permitting Software	104-2002	Environmental Services	50,000				50,000
			Environmental Services Total	50,000	-	-	-	50,000
2012	Increase Emergency Power	110-0002	Facilities	100,000				100,000
2012	Used Forklift	110-2005	Facilities	12,000				12,000
2012	Zero Turn Radius Mower	110-2002	Facilities	7,500				7,500
2012	Overlay LEC and HCH North Public Parking Lot	110-0003	Facilities	60,000				60,000
2012	Add additional card readers	110-0006	Facilities	15,000				15,000
2012	Add CO2 Sensors	110-0005	Facilities	17,000				17,000
2012	Add emergency lighting	110-0008	Facilities	7,150				7,150
2012	Repair Terrazzo at Judicial Center	110-0009	Facilities	20,000				20,000
			Facilities Total	238,650	-	-	-	238,650
2012	Aerial Photography	670-2006	Forfeited Tax Sale			12,000		12,000
2012	Pickup Truck Replacement	670-2002	Forfeited Tax Sale			15,000		15,000
2012	Trimble Hand Held GPS Receiver and Data Collector	670-205	Forfeited Tax Sale			7,000		7,000
2012	Storage Building	670-0001	Forfeited Tax Sale			25,000		25,000
			Forfeited Tax Sale Total	-	-	59,000	-	59,000
2012	Purchase Backhoe/Loader	301-2501	Highway	90,000				90,000
2012	Purchase Tandem axle Dump Truck	301-2504	Highway	210,000				210,000
2012	Purchase Vehicles for Engineering & Maintenance Personnel	301-2001	Highway	50,000				50,000
2012	Purchase 1 Wood Chipper	301-2512	Highway	35,000				35,000
			Highway Total	385,000	-	-	-	385,000
2012	Automated Talent/Performance Management System	63-2002	Human Resources	20,000				20,000
2012	NeoGov Applicant Management System	63-2001	Human Resources	13,000				13,000
			Human Resources Total	33,000	-	-	-	33,000
2012	iseries replacement	061-2007	Information Systems	35,000				35,000
2012	Monitoring	061-2002	Information Systems	15,000				15,000
2012	Network	061-2004	Information Systems	10,000				10,000
2012	Remote Management	061-2005	Information Systems	10,000				10,000
2012	Sharepoint	061-2006	Information Systems	40,000				40,000
2012	Virtual Desktop Pilot	061-2001	Information Systems	25,000				25,000

CROW WING COUNTY
2012
FUNDING SOURCES SUMMARY (Continued)

Year	Project Title	Project #	Department	Capital Improvement Projects Fund	Solid Waste Fund	Forfeited Tax Sale	Fund 2 Reserved & Designated	Total
2012	VMWare Resources	061-2003	Information Systems	15,000				15,000
			Information Systems Total	150,000	-	-	-	150,000
2012	Integrator System Upgrade	250-2001	Jail	73,600				73,600
			Jail Total	73,600	-	-	-	73,600
2012	Pickup Truck Replacement	670-2002a	Parks				15,000	15,000
2012	Milford Mine Memorial Park	520-1001	Parks				48,000	48,000
			Parks Total	-	-	-	63,000	63,000
2012	Remodel Land Services Building	107-1000	Property Valuation & Classification	75,000				75,000
			Property Valuation & Classification Total	75,000	-	-	-	75,000
2012	Emergency Equipment Replacement	201-2502	Sheriff	158,000				158,000
2012	Emergency Vehicle Replacement	201-2501	Sheriff	397,430				397,430
2012	Improved working environment at LEC	201-0013	Sheriff	48,800				48,800
2012	Range Land and Building Improvements	201-0012	Sheriff	35,000				35,000
2012	New Storage Facility - Sheriff's Office	201-0001	Sheriff	495,000				495,000
			Sheriff Total	1,134,230	-	-	-	1,134,230
2012	Screening Drainage Sand	393-1202	Solid Waste		320,000			320,000
2012	Install new recirculation laterals in cell 4	393-1201	Solid Waste		80,000			80,000
			Solid Waste Total	-	400,000	-	-	400,000
			Grand Total	2,482,255	400,000	59,000	63,000	3,004,255

**CROW WING COUNTY
2013 CIP
FUNDING SOURCES SUMMARY**

Year	Project Title	Project #	Department	Capital Improvement Projects Fund	Solid Waste Fund	Forfeited Tax Sale	Fund 2 Reserved & Designated	Total
2013	Financial Management, Payroll/HR management ERP Software Solution	40-2001	Auditor-Treasurer	1,000,000				1,000,000
			Auditor-Treasurer Total	1,000,000	-	-	-	1,000,000
2013	Vehicle Replacment	420-2005	Community Services	50,000				50,000
2013	Document Management System	420-2002	Community Services	450,000				450,000
			Community Services Total	500,000	-	-	-	500,000
2013	Replace Window at Historic Courthouse	110-0007	Facilities	200,000				200,000
2013	Shampooer	110-2006	Facilities	7,500				7,500
			Facilities Total	207,500	-	-	-	207,500
2013	Snowmobile Replacement	670-2004	Forfeited Tax Sale			9,000		9,000
			Forfeited Tax Sale Total	-	-	9,000	-	9,000
2013	Purchase 2 Skid steer loaders and attachments	301-2503	Highway	120,000				120,000
2013	Purchase Tandem Axle Dump truck	301-2504	Highway	210,000				210,000
			Highway Total	330,000	-	-	-	330,000
2013	Automated Talent/Performance Management System	63-2002	Human Resources	20,000				20,000
			Human Resources Total	20,000	-	-	-	20,000
2013	County-wide wireless	061-2009	Information Systems	150,000				150,000
2013	Network	061-2004	Information Systems	10,000				10,000
2013	VDI Rollout	061-2008	Information Systems	51,500				51,500
2013	VMWare Resources	061-2003	Information Systems	10,000				10,000
			Information Systems Total	221,500	-	-	-	221,500
2013	Security Lock Upgrade	250-1000	Jail	15,000				15,000
			Jail Total	15,000	-	-	-	15,000
2013	Milford Mine Memorial Park	520-1001	Parks				15,000	15,000
			Parks Total	-	-	-	15,000	15,000
2013	Emergency Equipment Replacement	201-2502	Sheriff	119,000				119,000
2013	Emergency Vehicle Replacement	201-2501	Sheriff	235,000				235,000
			Sheriff Total	354,000	-	-	-	354,000
2013	Landfill Gas Line	393-1203	Solid Waste		1,500,000			1,500,000
2013	Install new recirculation laterals in cell 4	393-1201	Solid Waste		80,000			80,000
			Solid Waste Total	-	1,580,000	-	-	1,580,000
			Grand Total	2,648,000	1,580,000	9,000	15,000	4,252,000

**CROW WING COUNTY
2014 CIP
FUNDING SOURCES SUMMARY**

Year	Project Title	Project #	Department	Capital Improvement Projects Fund	Solid Waste Fund	Forfeited Tax Sale	Total
2014	Financial Management, Payroll/Hr Management ERP Software Solution	40-2001	Auditor-Treasurer	1,000,000			1,000,000
			Auditor-Treasurer Total	1,000,000	-	-	1,000,000
2014	Vehicle Replacement	420-2005	Community Services	50,000			50,000
			Community Services Total	50,000	-	-	50,000
2014	Pickup Truck Rplacement	104-2001	Environmental Services	30,000			30,000
			Environmental Services Total	30,000	-	-	30,000
2014	Snowmobile Replacement	670-2004	Forfeited Tax Sale			9,000	9,000
			Forfeited Tax Sale Total	-	-	9,000	9,000
2014	Purchase Motorgrader	301-2510	Highway	170,000			170,000
2014	Purchase Tandem Axle Dump Truck	301-2504	Highway	210,000			210,000
2014	Purchase Vehicles for Engineering & Maintenance Personnel	301-2001	Highway	55,000			55,000
2014	Purchase 2 equipment Trailers	301-2514	Highway	30,000			30,000
			Highway Total	465,000	-	-	465,000
2014	Network	061-2004	Information Systems	30,000			30,000
2014	Phone System Hardware	061-2010	Information Systems	25,000			25,000
			Information Systems Total	55,000	-	-	55,000
2014	Emergency Equipment Replacement	201-2502	Sheriff	122,000			122,000
2014	Emergency Vehicle Replacement	201-2501	Sheriff	230,000			230,000
2014	Replace LEC Roof	201-0005	Sheriff	85,000			85,000
			Sheriff Total	437,000	-	-	437,000
2014	Install new recirculation laterals in cell 4	393-1201	Solid Waste		80,000		80,000
			Solid Waste Total	-	80,000	-	80,000
			Grand Total	2,037,000	80,000	9,000	2,126,000

**CROW WING COUNTY
2015 CIP
FUNDING SOURCES SUMMARY**

Year	Project Title	Project #	Department	Capital Improvement Projects Fund	Solid Waste Fund	Forfeited Tax Sale	Total
2015	Assessing, Tax, Permitting and Land ERP solution	40-2002	Auditor-Treasurer	1,000,000			1,000,000
			Auditor-Treasurer Total	1,000,000	-	-	1,000,000
2015	Vehicle Replacement	420-2005	Community Services	50,000			50,000
			Community Services Total	50,000	-	-	50,000
2015	Pickup Truck Replacement	104-2001	Environmental Services	30,000			30,000
			Environmental Services Total	30,000	-	-	30,000
2015	John Deere front end loader	110-2001	Facilities	25,000			25,000
			Facilities Total	25,000	-	-	25,000
2015	Pickup Truck Replacement	670-2002	Forfeited Tax Sale			30,000	30,000
			Forfeited Tax Sale Total	-	-	30,000	30,000
2015	Purchase Tandem Axle Dump Truck	301-2504	Highway	210,000			210,000
2015	Purchase Tractor with mowers	301-2507	Highway	80,000			80,000
2015	Purchase Vehicles for Engineering & Maintenance Personnel	301-2001	Highway	130,000			130,000
			Highway Total	420,000	-	-	420,000
2015	Future Infrastructure enhancements	061-2011	Information Systems	250,000			250,000
			Information Systems Total	250,000	-	-	250,000
2015	Emergency Equipmet Replacement	201-2502	Sheriff	136,000			136,000
2015	Emergency Vehicle Replacement	201-2501	Sheriff	220,000			220,000
2015	New LEC Design	201-0011	Sheriff	500,000			500,000
			Sheriff Total	856,000	-	-	856,000
2015	Install new recirculation laterals in cell 4	393-1201	Solid Waste		80,000		80,000
			Solid Waste Total	-	80,000	-	80,000
			Grand Total	2,631,000	80,000	30,000	2,741,000

**CROW WING COUNTY
2016 CIP
FUNDING SOURCES SUMMARY**

Year	Project Title	Project #	Department	G.O. Capital Improvement Bonds	Capital Improvement Projects Fund	Solid Waste Fund	Forfeited Tax Sale	Total
2016	Assessing, Tax, Permitting and Land ERP Solution	40-2002	Auditor-Treasurer		1,000,000			1,000,000
			Auditor-Treasurer Total	-	1,000,000	-	-	1,000,000
2016	Vehicle Replacement	420-2005	Community Services		50,000			50,000
			Community Services Total	-	50,000	-	-	50,000
2016	Pickup Truck Replacement	104-2001	Environmental Services		30,000			30,000
			Environmental Services Total	-	30,000	-	-	30,000
2016	ATV Replacement	670-2003	Forfeited Tax Sale				10,000	10,000
			Forfeited Tax Sale Total	-	-	-	10,000	10,000
2016	Purchase a Street Sweeper	301-2515	Highway		200,000			200,000
2016	Purchase Tandem Axle Dump Truck	301-2504	Highway		215,000			215,000
2016	Purchase Vehicles for Engineering & Maintenance Personnel	301-2001	Highway		55,000			55,000
			Highway Total	-	470,000	-	-	470,000
2016	Future Infrastructure enhancements	061-2011	Information Systems		250,000			250,000
			Information Systems Total	-	250,000	-	-	250,000
2016	Emergency Equipment Replacement	201-2502	Sheriff		134,000			134,000
2016	Emergency Vehicle Replacement	201-2501	Sheriff		240,000			240,000
2016	New LEC	201-0011	Sheriff	4,000,000				4,000,000
2016	New LEC	201-0011a	Sheriff		6,000,000			6,000,000
			Sheriff Total	4,000,000	6,374,000	-	-	10,374,000
2016	Install new recirculation laterals in cell 4	393-1201	Solid Waste			80,000		80,000
			Solid Waste Total	-	-	80,000	-	80,000
			Grand Total	4,000,000	8,174,000	80,000	10,000	12,264,000

**CROW WING COUNTY
2017 CIP
FUNDING SOURCES SUMMARY**

Year	Project Title	Project #	Department	Capital Improvement Projects Fund	Solid Waste Fund	Forfeited Tax Sale	Total
2017	Assessing, Tax, Permitting and Land ERP solution	40-2002	Auditor-Treasurer	1,000,000			1,000,000
			Auditor-Treasurer Total	1,000,000	-	-	1,000,000
2017	Vehicle replacement	420-2005	Community Services	50,000			50,000
			Community Services Total	50,000	-	-	50,000
2017	Pickup Truck Replacement	104-2001	Environmental Services	30,000			30,000
			Environmental Services Total	30,000	-	-	30,000
2017	ATV Replacement	670-2003	Forfeited Tax Sale			10,000	10,000
			Forfeited Tax Sale Total	-	-	10,000	10,000
2017	Purchase 4 Maintenance Trucks	301-2511	Highway	200,000			200,000
2017	Purchase Tandem Axle Dump Truck	301-2504	Highway	215,000			215,000
2017	Purchase Vehicles for Engineering & Maintenance Personnel	301-2001	Highway	25,000			25,000
2017	Purchase Equipment Trailer	301-2514	Highway	15,000			15,000
			Highway Total	455,000	-	-	455,000
2017	Future Infrastructure enhancements	061-2011	Information Systems	250,000			250,000
			Information Systems Total	250,000	-	-	250,000
2017	Emergency Equipment Replacement	201-2502	Sheriff	134,000			134,000
2017	Emergency Vehicle Replacement	201-2501	Sheriff	240,000			240,000
			Sheriff Total	374,000	-	-	374,000
2017	Install new recirculation laterals in cell 4	393-1201	Solid Waste		80,000		80,000
			Solid Waste Total	-	80,000	-	80,000
			Grand Total	2,159,000	80,000	10,000	2,249,000

CROW WING COUNTY
2012 - 2017
CAPITAL IMPROVEMENT PLAN
SUMMARY BY DEPARTMENT

	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>TOTAL</u>
AUDITOR-TREASURER	-	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000
INFORMATION SYSTEMS	150,000	221,500	55,000	250,000	250,000	250,000	1,176,500
ENVIRONMENTAL SERVICES	50,000	-	30,000	30,000	30,000	30,000	170,000
PROPERTY VALUATION & CLASSIFICATION	75,000	-	-	-	-	-	75,000
FACILITIES	238,650	207,500	-	25,000	-	-	471,150
HUMAN RESOURCES	33,000	20,000	-	-	-	-	53,000
SHERIFF	1,134,230	354,000	437,000	856,000	10,374,000	374,000	13,529,230
JAIL	73,600	15,000	-	-	-	-	88,600
PARKS	63,000	15,000	-	-	-	-	78,000
HIGHWAY	385,000	330,000	465,000	420,000	470,000	455,000	2,525,000
COMMUNITY SERVICES	342,775	500,000	50,000	50,000	50,000	50,000	1,042,775
FORFEITED TAX SALE	59,000	9,000	9,000	30,000	10,000	10,000	127,000
SOLID WASTE	400,000	1,580,000	80,000	80,000	80,000	80,000	2,300,000
GRAND TOTAL	<u>3,004,255</u>	<u>4,252,000</u>	<u>2,126,000</u>	<u>2,741,000</u>	<u>12,264,000</u>	<u>2,249,000</u>	<u>26,636,255</u>

CROW WING COUNTY
2012 - 2017
DEPARTMENT DETAIL

Year	Project Title	Project #	Department	Priority	Description/Location	Total
2013	Financial Management, Payroll/HR management ERP Software Solution	40-2001	Auditor-Treasurer	31	New financial, payroll, HR software	1,000,000
2014	Financial Management, Payroll/Hr Management ERP Software Solution	40-2001	Auditor-Treasurer	31	New Financial, payroll, HR software	1,000,000
2015	Assessing, Tax, Permitting and Land ERP solution	40-2002	Auditor-Treasurer	31	ERP Solution for Assessing, Tax, Permitting and Land	1,000,000
2016	Assessing, Tax, Permitting and Land ERP Solution	40-2002	Auditor-Treasurer	31	ERP Solution for Assessing, Tax, Permitting and Land.	1,000,000
2017	Assessing, Tax, Permitting and Land ERP solution	40-2002	Auditor-Treasurer	31	ERP Solution for Assessing, Tax, Permitting and Land	1,000,000
2012	Virtual Desktop Pilot	61-2001	Information Systems		Virtual Desktop Pilot Program	25,000
2012	Monitoring	61-2002	Information Systems		Network Monitoring and alarming	15,000
2012	VMWare Resources	61-2003	Information Systems		More resources needed for VMWare ongoing	15,000
2013	VMWare Resources	61-2003	Information Systems		More resources needed for VMWare ongoing	10,000
2012	Network	61-2004	Information Systems		Replace older networking equipment	10,000
2013	Network	61-2004	Information Systems		Replace older equipment	10,000
2014	Network	61-2004	Information Systems		Replace older equipment	30,000
2012	Remote Management	61-2005	Information Systems		Bomgar or Teamview for remote administration	10,000
2012	Sharepoint	61-2006	Information Systems		Sharepoint License costs	40,000
2012	iseries replacement	61-2007	Information Systems		iseries hardware replacement	35,000
2013	VDI Rollout	61-2008	Information Systems		Virtual desktop rollout county-wide	51,500
2013	County-wide wireless	61-2009	Information Systems		Build out wireless network throughout the campus	150,000
2014	Phone System Hardware	61-2010	Information Systems		Upgrade phone system servers	25,000
2015	Future Infrastructure enhancements	61-2011	Information Systems		Future planning for the new county infrastructure system	250,000
2016	Future Infrastructure enhancements	61-2011	Information Systems		Future planning for the new county infrastructure system	250,000
2017	Future Infrastructure enhancements	61-2011	Information Systems		Future planning for the new county infrastructure system	250,000
2012	NeoGov Applicant Management System	63-2001	Human Resources	27	Robust recruitment and applicant management system	13,000
2012	Automated Talent/Performance Management System	63-2002	Human Resources	27	Software that will automate the performance review and staff development process	20,000
2013	Automated Talent/Performance Management System	63-2002	Human Resources	27	Software will aoutomate the performance review and staff development process	20,000
2014	Pickup Truck Rplacement	104-2001	Environmental Services	32	Replace 1/2 ton pickup 5972	30,000
2015	Pickup Truck Replacement	104-2001	Environmental Services	32	Replace 1/2 ton pickup 977	30,000
2016	Pickup Truck Replacement	104-2001	Environmental Services	32	Replace 1/2 ton pickup 9603	30,000
2017	Pickup Truck Replacement	104-2001	Environmental Services	32	Replace 1/2 ton pickup 9602	30,000
2012	Permitting Software	104-2002	Environmental Services	45	New permit database for tracking permits (counter & online)	50,000
2012	Remodel Land Services Building	107-1000	Property Valuation & Classification	30	Remodel and improve floor plan of the Land Services Building	75,000
2012	Increase Emergency Power	110-0002	Facilities	24	Connect Courthouse, LEC, Land Srvc, Museum to main generator at Cntrl Srvc	100,000
2012	Overlay LEC and HCH North Public Parking Lot	110-0003	Facilities	36	Parking lot maintenance	60,000
2012	Add CO2 Sensors	110-0005	Facilities		Throughout the campus	17,000
2012	Add additional card readers	110-0006	Facilities		Historic Courthouse, Land Services, Judicial Center	15,000
2013	Replace Window at Historic Courthouse	110-0007	Facilities	29	Replace window for better thermal effcent windows	200,000
2012	Add emergency lighting	110-0008	Facilities		13 battery back up emergency lights in critical areas	7,150
2012	Repair Terrazzo at Judicial Center	110-0009	Facilities		Repair salt damaged terrazzo flooring at the Judicial Center	20,000
2015	John Deere front end loader	110-2001	Facilities	29	Equipment Replacement	25,000
2012	Zero Turn Radius Mower	110-2002	Facilities	32	Equipment Replacement	7,500

CROW WING COUNTY
2012 - 2017
DEPARTMENT DETAIL (Continued)

Year	Project Title	Project #	Department	Priority	Description/Location	Total
2012	Used Forklift	110-2005	Facilities	32	Equipment Replacement	12,000
2013	Shampooer	110-2006	Facilities	36	Equipment replacement	7,500
2012	New Storage Facility - Sheriff's Office	201-0001	Sheriff	37	New secure storage facility	495,000
2014	Replace LEC Roof	201-0005	Sheriff	32	Replace rubber roof of LEC	85,000
2015	New LEC Design	201-0011	Sheriff	34	Design for construction of a new LEC	500,000
2016	New LEC	201-0011	Sheriff	35	Planning, Designing and building a new LEC	4,000,000
2016	New LEC	201-0011	Sheriff	35	Planning, Designing and Building a new LEC	6,000,000
2012	Range Land and Building Improvements	201-0012	Sheriff	34	Install Canopy, City water & sewer	35,000
2012	Improved working environment at LEC	201-0013	Sheriff	34	Improved workstations, rplace tables & chairs in Investigator's Conference room	48,800
2012	Emergency Vehicle Replacement	201-2501	Sheriff	29	Replacement of emergency vehicles	397,430
2013	Emergency Vehicle Replacement	201-2501	Sheriff	29	Replacement of emergency vehicles	235,000
2014	Emergency Vehicle Replacement	201-2501	Sheriff	29	Replacement of emergency vehicles	230,000
2015	Emergency Vehicle Replacement	201-2501	Sheriff	29	Replacement of emergency vehicles	220,000
2016	Emergency Vehicle Replacement	201-2501	Sheriff	29	Replacement of emergency vehicles	240,000
2017	Emergency Vehicle Replacement	201-2501	Sheriff	29	Replacement of emergency vehicles	240,000
2012	Emergency Equipment Replacement	201-2502	Sheriff	29	Replacement of emergency equipment	158,000
2013	Emergency Equipment Replacement	201-2502	Sheriff	29	Replacment of emergency equipment	119,000
2014	Emergency Equipment Replacement	201-2502	Sheriff	29	Replacement of emergency equipment	122,000
2015	Emergency Equipmet Replacement	201-2502	Sheriff	29	Replacement of emergency equipment	136,000
2016	Emergency Equipment Replacement	201-2502	Sheriff	29	Replacement of emergency equipment	134,000
2017	Emergency Equipment Replacement	201-2502	Sheriff	29	Replacement of emergency equipment	134,000
2013	Security Lock Upgrade	250-1000	Jail	29	Raplace and upgrade existing electronic lock systems	15,000
2012	Integrator System Upgrade	250-2001	Jail	35	Upgrade and technology advancement to the security system at the jail	73,600
2012	Purchase Vehicles for Engineering & Maintenance Personnel	301-2001	Highway	39	Replace Units # 13,63	50,000
2014	Purchase Vehicles for Engineering & Maintenance Personnel	301-2001	Highway	39	replace Unit # 54,56	55,000
2015	Purchase Vehicles for Engineering & Maintenance Personnel	301-2001	Highway	39	Replace Units # 44,59,71,956,1751	130,000
2016	Purchase Vehicles for Engineering & Maintenance Personnel	301-2001	Highway	39	Replace Unit # 57/972	55,000
2017	Purchase Vehicles for Engineering & Maintenance Personnel	301-2001	Highway	39	Replace Unit # 62	25,000
2012	Purchase Backhoe/Loader	301-2501	Highway	39	Replace Unit #12	90,000
2013	Purchase 2 Skid steer loaders and attachments	301-2503	Highway	39	Replace Unit # 1874/1875	120,000
2012	Purchase Tandem axle Dump Truck	301-2504	Highway	39	Replace unit #24	210,000
2013	Purchase Tandem Axle Dump truck	301-2504	Highway	39	Replace Unit #22	210,000
2014	Purchase Tandem Axle Dump Truck	301-2504	Highway	39	Replace Unit # 37	210,000
2015	Purchase Tandem Axle Dump Truck	301-2504	Highway	39	Replace Unit # 36	210,000
2016	Purchase Tandem Axle Dump Truck	301-2504	Highway	39	Replace Unit # 32	215,000
2017	Purchase Tandem Axle Dump Truck	301-2504	Highway	39	Replace Unit # 40	215,000
2015	Purchase Tractor with mowers	301-2507	Highway	39	Replace Unit #81	80,000
2014	Purchase Motorgrader	301-2510	Highway	39	Replace Unit # 1	170,000
2017	Purchase 4 Maintenance Trucks	301-2511	Highway	39	Replace units #42, 45, 49, 50	200,000

CROW WING COUNTY
2012 - 2017
DEPARTMENT DETAIL (Continued)

Year	Project Title	Project #	Department	Priority	Description/Location	Total
2012	Purchase 1 Wood Chipper	301-2512	Highway	42	Add wood chipper to Crosslake shop	35,000
2014	Purchase 2 equipment Trailers	301-2514	Highway	42	Replace Unit # 108, 110	30,000
2017	Purchase Equipment Trailer	301-2514	Highway	42	Replace Unit # 113	15,000
2016	Purchase a Street Sweeper	301-2515	Highway	39	Replace Unit # 69	200,000
2012	Install new recirculation laterals in cell 4	393-1201	Solid Waste	45	Annual installation of new recirculation laterals in cell 4	80,000
2013	Install new recirculation laterals in cell 4	393-1201	Solid Waste	45	Annual installation of new recirculation laterals in cell 4	80,000
2014	Install new recirculation laterals in cell 4	393-1201	Solid Waste	45	Annual installation of new recirculation laterals in cell 4	80,000
2015	Install new recirculation laterals in cell 4	393-1201	Solid Waste	45	Annual installation of new recirculation laterals in cell 4	80,000
2016	Install new recirculation laterals in cell 4	393-1201	Solid Waste	45	Annual installation of new recirculation laterals in cell 4	80,000
2017	Install new recirculation laterals in cell 4	393-1201	Solid Waste	45	Annual installation of new recirculation laterals in cell 4	80,000
2012	Screening Drainage Sand	393-1202	Solid Waste	37	Cell 5 construction and closure of cell1 & 2	320,000
2013	Landfill Gas Line	393-1203	Solid Waste	31	Install landfill gas line to potential buyer	1,500,000
2012	Document Management System	420-2002	Community Services	42	Additional OnBase investment to include Child Support, Child Care, Veteran's Unit, Social Services and Health	157,775
2013	Document Management System	420-2002	Community Services	42	Additional OnBase investment to include Child Support, Child Care, Veteran's Unit, Social Services and Health	450,000
2012	DMS Client Index	420-2003	Community Services	42	Central Client Index (CCI) enables workers to access from both county and state databases	75,000
2012	CHAMP Web Based Upgrade	420-2004	Community Services	47	Web based software for Health instead of replacing SQL server, will allow staff to update cases from any location	60,000
2012	Vehicle Replacement	420-2005	Community Services	37	Community Services fleet	50,000
2013	Vehicle Replacment	420-2005	Community Services	37	Community Services vehicle fleet	50,000
2014	Vehicle Replacement	420-2005	Community Services	37	Community Services vehicle fleet	50,000
2015	Vehicle Replacement	420-2005	Community Services	37	Community Services vehicle fleet	50,000
2016	Vehicle Replacement	420-2005	Community Services	37	Community Services vehicle fleet	50,000
2017	Vehicle replacement	420-2005	Community Services	37	Community services fleet	50,000
2012	Milford Mine Memorial Park	520-1001	Parks	33	Build park dedicated to miners that died in 1924	48,000
2013	Milford Mine Memorial Park	520-1001	Parks	33	Build park dedicated to miners that died in 1924	15,000
2012	Storage Building	670-0001	Forfeited Tax Sale	37	New storage building for Land services equipment	25,000
2012	Pickup Truck Replacement (Split Funding)	670-2002	Parks	32	Pickup Truck	15,000
2012	Pickup Truck Replacement (Split Funding)	670-2002	Forfeited Tax Sale	32	Pickup Truck	15,000
2015	Pickup Truck Replacement	670-2002	Forfeited Tax Sale	32	Pickup Truck	30,000
2016	ATV Replacement	670-2003	Forfeited Tax Sale	30	ATV Replacement	10,000
2017	ATV Replacement	670-2003	Forfeited Tax Sale	30	ATV Replacement	10,000
2013	Snowmobile Replacement	670-2004	Forfeited Tax Sale	30	Snowmobile	9,000
2014	Snowmobile Replacement	670-2004	Forfeited Tax Sale	30	Snowmobile	9,000
2012	Trimble Hand Held GPS Receiver and Data Collector	670-2005	Forfeited Tax Sale	32	1 - Trimble Hand Held GPS Receiver and Data Collector	7,000
2012	Aerial Photography	670-2006	Forfeited Tax Sale	30	Spring color infared aerial photography over 12 townships for forest management	12,000

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**CROW WING COUNTY
CAPITAL IMPROVEMENT PLAN
CAPITAL PROJECT REQUEST FORM**

FORM A

FUND	50	DEPT	Solid Waste				PROJ#	393-1201
PROJECT TITLE	Annual Installation of new Recirculation Laterals in cell 4							
PRIORITY	45							
DESCRIPTION / LOCATION	Annual Installation of new Recirculation Laterals in Cell 4							
PURPOSE / JUSTIFICATION	Yearly; we install recirc lines as landfill takes in more sanitary landfill space increases							
FUTURE IMPACT ON OPERATING COSTS	Annual installment of recirc laterals lines in Cell 4							
FUNDING SOURCE AND AMOUNT	Fund Balance							
	CURRENT							2012 - 2017
ACCOUNT DESCRIPTION	YEAR	2013	2014	2015	2016	2017	TOTAL	
Site or Grounds Acq. Over \$5K	80,000	80,000	80,000	80,000	80,000	80,000	\$ 480,000	
-	-	-					\$ -	
							\$ -	
							\$ -	
TOTAL	\$ 80,000	\$ 80,000	\$ 80,000	\$ 80,000	\$ 80,000	\$ 80,000	\$ 480,000	

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**CROW WING COUNTY
CAPITAL IMPROVEMENT PLAN
CAPITAL PROJECT REQUEST FORM**

FORM A

FUND	22	DEPT	Forfeited Tax Sale			PROJ#	670-2002																																																
PROJECT TITLE	Pickup Truck Replacement																																																						
PRIORITY	32																																																						
DESCRIPTION / LOCATION	2 Truck 3/4 ton pickup with extended cab - 2 Replacement																																																						
PURPOSE / JUSTIFICATION	In order to maintain reliable transportation to perform job duties, there is a need to schedule replacements at appropriate times. The truck scheduled for replacement - #960 2000 Chev 123,000 miles. #932 2001 Chev 80,000 miles Replace in 2015																																																						
FUTURE IMPACT ON OPERATING COSTS	Reduced maintenance costs.																																																						
FUNDING SOURCE AND AMOUNT	Fund Balance					\$	45,000																																																
	Parks Fund 2 - Fund Balance					\$	15,000																																																
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;"></th> <th style="width: 10%;">CURRENT YEAR</th> <th style="width: 10%;">2013</th> <th style="width: 10%;">2014</th> <th style="width: 10%;">2015</th> <th style="width: 10%;">2016</th> <th style="width: 10%;">2017</th> <th style="width: 10%;">2012 - 2017 TOTAL</th> </tr> </thead> <tbody> <tr> <td>Vehicle & Machinery Over \$5K</td> <td>15,000</td> <td>-</td> <td>-</td> <td>30,000</td> <td>-</td> <td>-</td> <td>\$ 45,000</td> </tr> <tr> <td>Vehicle & Machinery Over \$5K</td> <td>15,000</td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td>\$ 15,000</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>\$ -</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>\$ -</td> </tr> <tr> <td>TOTAL</td> <td>\$ 30,000</td> <td>\$ -</td> <td>\$ -</td> <td>\$ 30,000</td> <td>\$ -</td> <td>\$ -</td> <td>\$ 60,000</td> </tr> </tbody> </table>									CURRENT YEAR	2013	2014	2015	2016	2017	2012 - 2017 TOTAL	Vehicle & Machinery Over \$5K	15,000	-	-	30,000	-	-	\$ 45,000	Vehicle & Machinery Over \$5K	15,000	-					\$ 15,000								\$ -								\$ -	TOTAL	\$ 30,000	\$ -	\$ -	\$ 30,000	\$ -	\$ -	\$ 60,000
	CURRENT YEAR	2013	2014	2015	2016	2017	2012 - 2017 TOTAL																																																
Vehicle & Machinery Over \$5K	15,000	-	-	30,000	-	-	\$ 45,000																																																
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TOTAL	\$ 30,000	\$ -	\$ -	\$ 30,000	\$ -	\$ -	\$ 60,000																																																

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CROW WING COUNTY

2011-2015

Highway Improvement Plan



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Responsibilities and Roadway Descriptions



Responsibilities

The Crow Wing County Highway Department is responsible for the maintenance and administration of over 610 miles of county roads, secondary roads and 84 bridges. This includes activities such as engineering design, construction management, signing, and routine maintenance of all kinds (snowplowing, patching potholes, crack sealing, mowing roadsides, cleaning culverts, etc).

Roadway Descriptions

The county roadway system is comprised of two different categories. There are about 380 miles of County State Aid Highways (CSAH) which are supported by the Minnesota Highway Users Tax Distribution Fund. This is made up primarily of gas tax and vehicle license or registration fees. There are about 180 miles of County Roads (CR) which are supported entirely by local property taxes. This is referred to as the County Road & Bridge Levy.

In Crow Wing County, the County State Aid Highways (CSAH) are identified by one and two digit numbers, such as CSAH 1 between Pine River and Emily, or CSAH 11 from Pequot Lakes to Breezy Point. The County Roads (CR) are identified by three digit numbers such as CR 142 located near the County Highway Department complex.

In addition to CSAHs and CRs, the Crow Wing County Highway Department is responsible for the maintenance of about 54 miles of Township Roads. These are primarily located in the unorganized territories that make up the First and Second Assessment Districts. In these areas, the County acts as the road authority in the absence of an organized Township Board. Where appropriate, this five-year Highway Improvement Plan incorporates planned roadway improvements in these areas.

Purpose of Highway Improvement Plan (HIP)



The primary purpose of the HIP is to provide a mid range planning document that can easily be shared with the public allowing both the residents and visitors of Crow Wing County to plan for future roadway improvements. It also is intended to provide a transparent method to relay how roadway improvement priorities are established and how limited roadway funding is utilized.

Each HIP also includes a yearly report on the condition of the County roadway system and its performance compared to established performance targets related to ride quality. Each HIP also contains a priority listing of county, township, and municipal bridges that are in need of rehabilitation or replacement.

Primary Funding Sources



Federal Funds – Funds assigned to projects through the Federal Transportation Bill, Federal Safety Programs or other special federal transportation programs.

State Aid (SA) Funds (Regular) – Annual allocation to the County from State gas tax and vehicle license or registration fees. Regular SA funds may be utilized for any element related to roadway construction or rehabilitation on the CSAH system. These funds may not be used on the CR system.

State Aid (SA) Funds (Municipal) – Annual allocation to the County from State gas tax and vehicle license or registration fees. Municipal SA funds are designated to be utilized for any element related to roadway construction or rehabilitation on the CSAH system located within the established boundaries of a municipality. These funds may not be used on the CR system or in areas outside of a municipality.

County Road and Bridge Levy - Funds generated directly from Crow Wing County tax revenue. These levy funds are primarily intended to maintain the CR system but may also be used to supplement other funding sources.

Primary Funding Sources

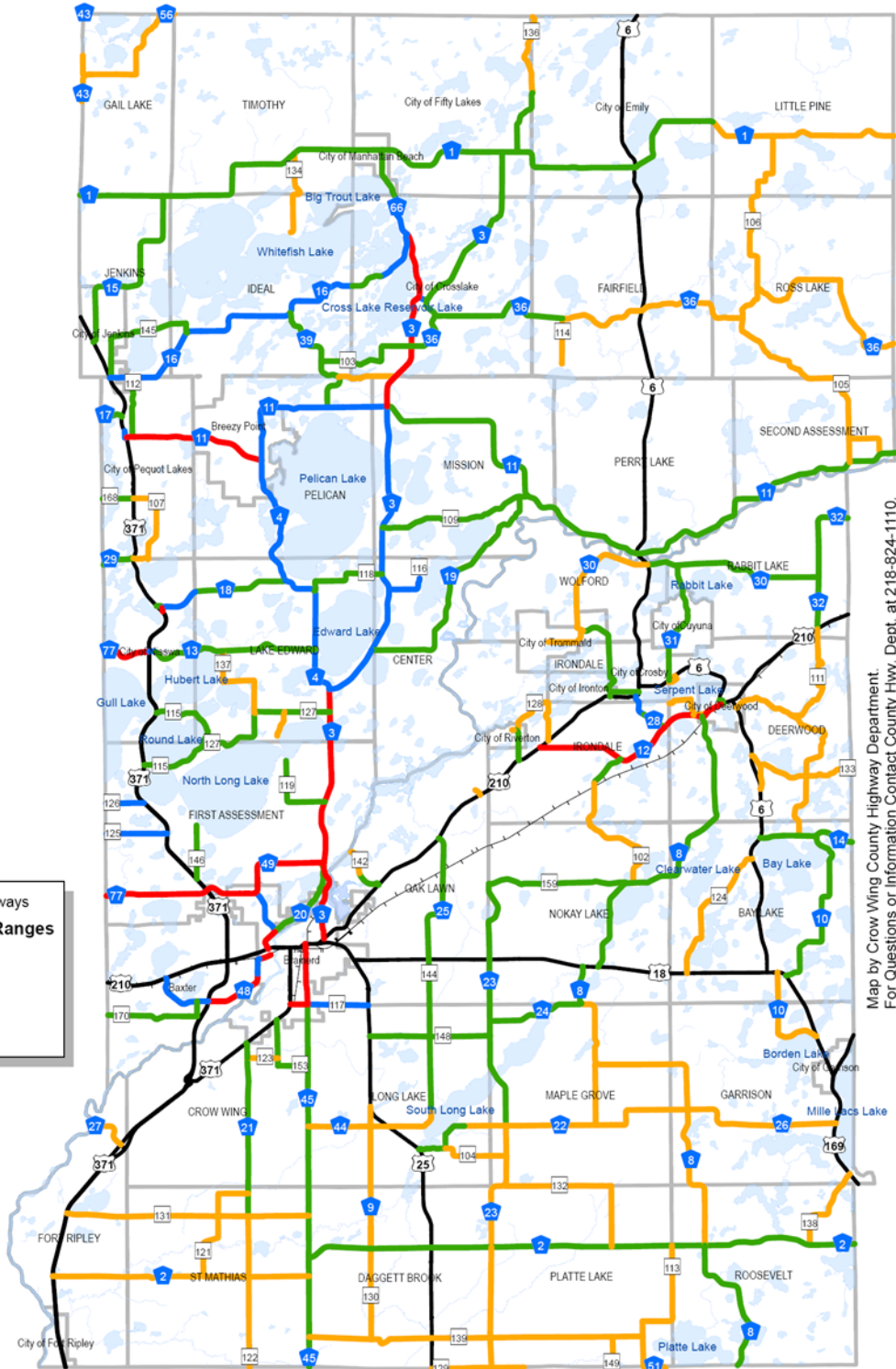
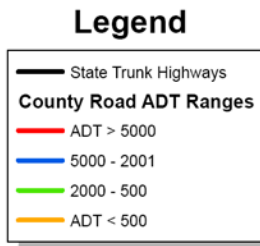


First Assessment District (FAD) Road and Bridge Levy - Funds generated directly from township level tax revenue. These funds are designated to be utilized for any element related to roadway construction or rehabilitation within the FAD only. These funds are not intended to be used on the CR or CSAH system.

Bridge Bonding – Funding allocated by State legislative action to complete specific bridge construction projects on any County, Township or Municipal roadway within the County. Bridge bonding is normally only allocated after a complete set of bridge design plans has been developed.

CROW WING COUNTY

Average Daily Traffic Ranges

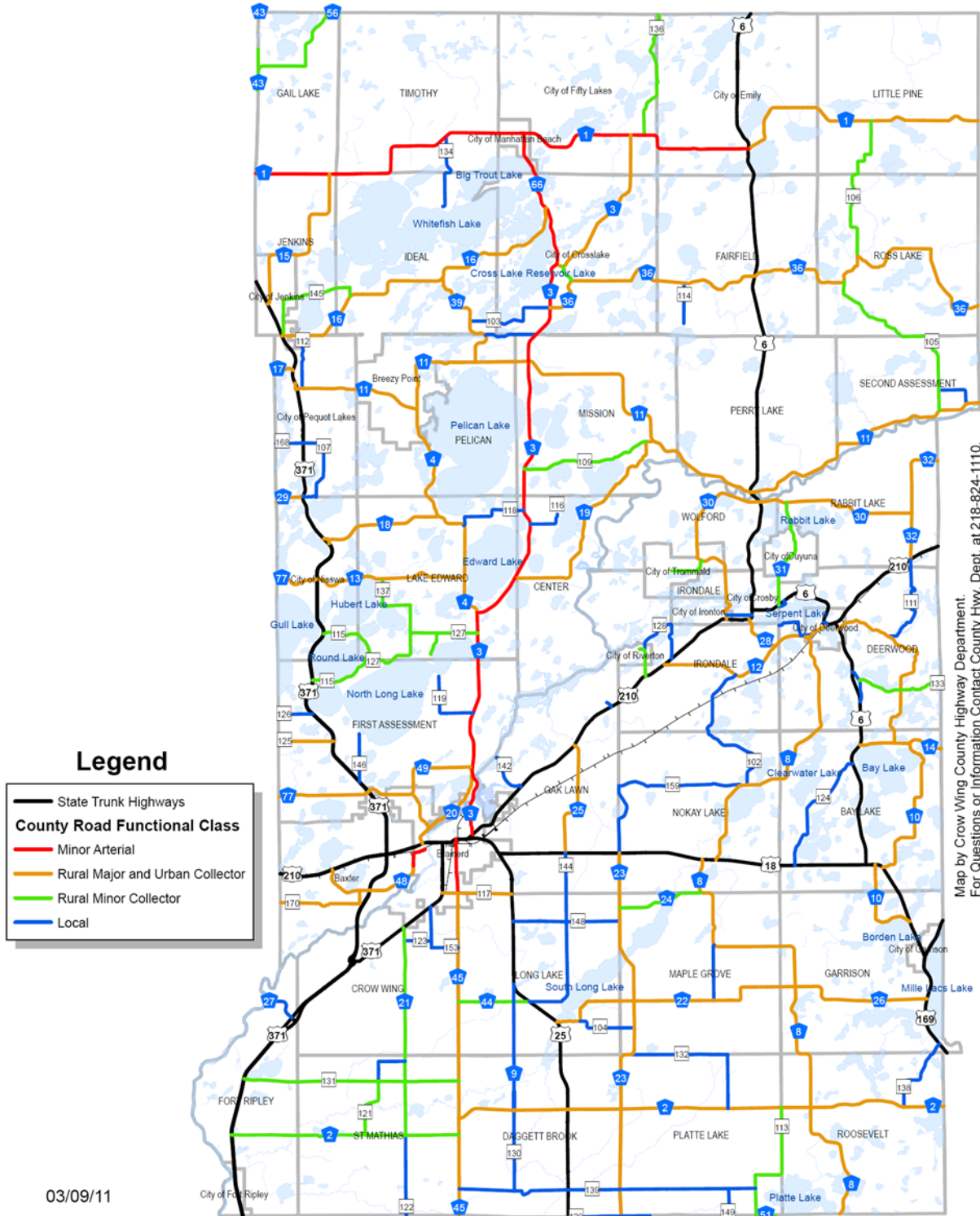


Map by Crow Wing County Highway Department
For Questions or Information Contact County Hwy. Dept. at 218-824-1110.
For Information on State Highways Contact MnDOT at 218-828-5700.

04/21/11

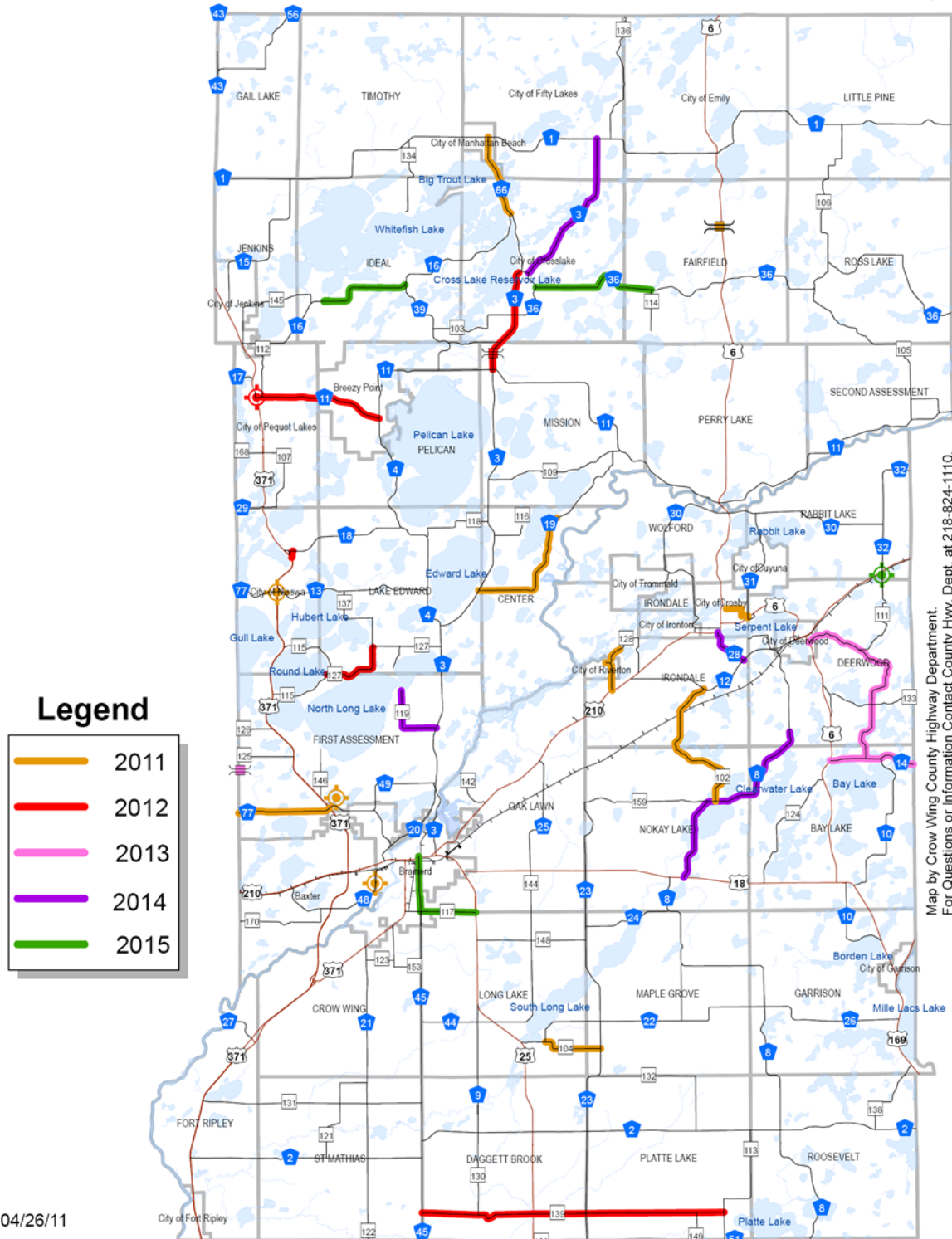
CROW WING COUNTY

Functional Class

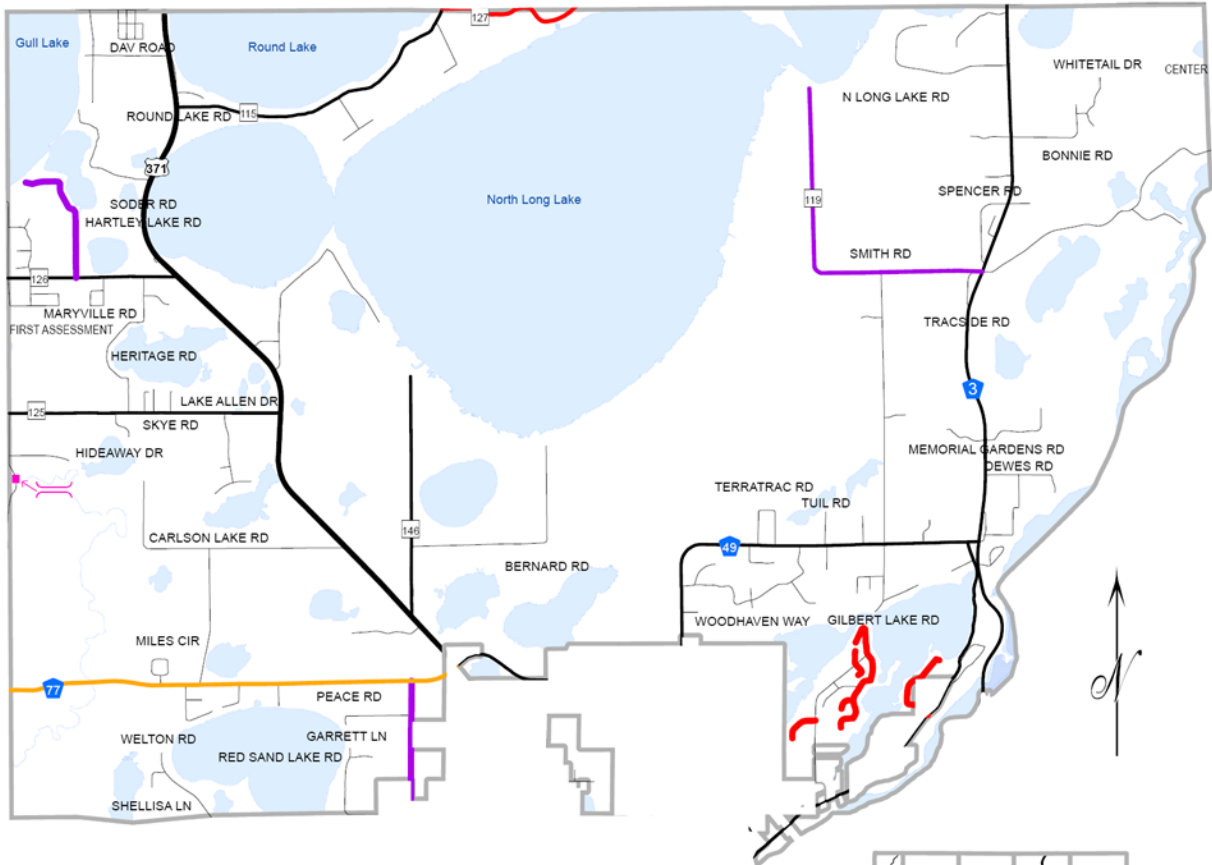


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CROW WING COUNTY 2011-2015 Highway Improvement Plan



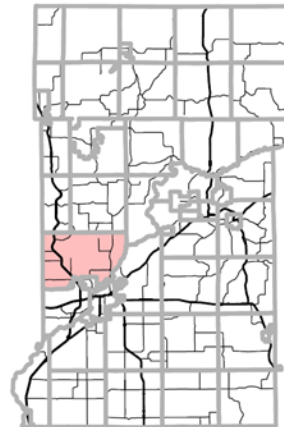
CROW WING COUNTY First Assessment District 2011 - 2015 Highway Improvement Plan



Legend

Scheduled Project Year

- 2011
- 2012
- 2013
- 2014
- 2015

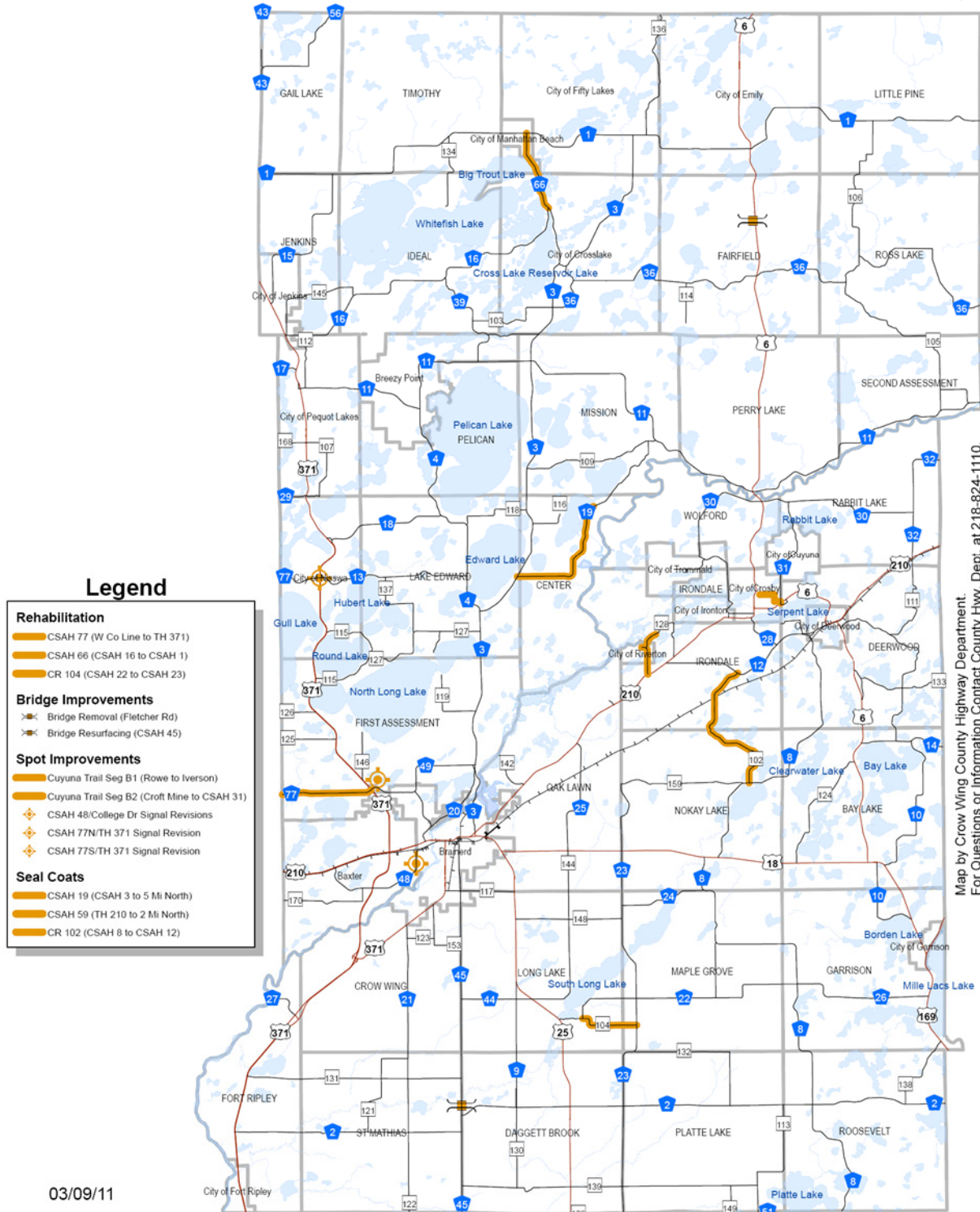


04/22/2011

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For Questions or Information Contact County Hwy. Dept. at 218-824-1110.
For Information on State highways Contact MnDOT at 218-828-5700.

CROW WING COUNTY

2011 Highway Improvement Plan



03/09/11

Map by Crow Wing County Highway Department.
For Questions or Information Contact County Hwy. Dept. at 218-824-1110.
For Information on State Highways Contact MnDOT at 218-828-5700.

PROPOSED 2011 PROGRAM

2011 RECONSTRUCTION

		None
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2011 RESURFACING

CSAH 66	018-666-002	Resurfacing from CSAH 16 to CSAH 1
CSAH 77S	018-677-006	Resurfacing from Cass Co. line to TH 371
CR 104	018-104-001	Gravel to bituminous conversion from CSAH 22 to CSAH 23

2011 BRIDGE REPLACEMENT

TWP	18-000-000	Bridge 3513 removal Fletcher Rd. W. of TH 6 Fairfield TWP
CSAH 45	018-645-002	Bridge #18504 redeck

2011 SPOT IMPROVEMENTS

CSAH 48	018-648-010	Signal revisions CSAH 48/College Dr. Brainerd
CSAH 77	018-677-000	Signal revisions at CSAH 77(N&S)/TH 371
Co. Wide	018-070-006	Rural intersection lighting HSIP project
Co. Wide	018-000-000	Rural intersection lighting project associated with TH 371N LTL install

2011 OTHER PROJECTS

Co. Wide	018-102-000	Seal coat portions of CR 102, CSAH 19, and CSAH 59
Co. Wide	018-200-036	Annual pavement marking project

2011 ENGINEERING

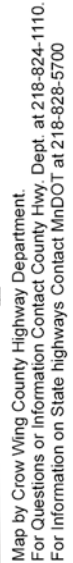
CSAH 18	018-618-009	50% In-house project delivery for 2012 construction
CSAH 11	018-611-024	Safety improvement study at Eagle View Elem. School
FAD 331	018-599-031	Consultant design bridge L2845 over Gull River in FAD
CSAH 3	018-603-021	In-house design bridge over Pelican Brook south of Crosslake

2011 RIGHT OF WAY

CSAH 18	018-618-009	75% R/W purchase for 2012 construction
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2011 EXPENDITURES BY FUNDING SOURCE

TOTAL	FEDERAL FUNDS	REGULAR STATE AID FUNDS	MUNICIPAL STATE AID FUNDS	CROW WING COUNTY LEVY	BRIDGE BONDING	TOWN BRIDGE ACCOUNT	FAD LEVY
2,937,950	40,950	2,075,100	200,000	565,350	-	20,000	36,550

$$\frac{A}{Z}$$


13

PROPOSED 2012 PROGRAM

2012 RECONSTRUCTION

CSAH 18	018-618-009	Realignment from TH 371 to CSAH 18 East of Nisswa
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2012 RESURFACING

CSAH 3	018-603-021	Resurfacing from CSAH 11 to 0.1 miles south of CSAH 66
CSAH 11	018-611-024	Resurfacing from TH 371 to CSAH 4
CR 127	018-127-004	Resurfacing from CR 115 to CR 137
CR 139	018-139-001	Gravel/subgrade improvements from CR 113 to CSAH 45
FAD 301	018-301-000	Resurfacing Ashmund Rd.
FAD 336	018-336-000	Resurfacing Birch Lane N
FAD 339	018-339-000	Resurfacing Birch Lane S
FAD 347	018-347-000	Resurfacing Birchwood Lane
FAD 361	018-361-000	Resurfacing Mitchell Circle
FAD 363	018-363-000	Resurfacing Oak Bluff

2012 BRIDGE REPLACEMENT

CSAH 3	018-603-021	Bridge replacement over Pelican Brook south of Crosslake
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2012 SPOT IMPROVEMENTS

CSAH 11	018-611-000	Signal revisions at CSAH 11/TH 371 in Pequot Lakes
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2012 OTHER PROJECTS

Co. Wide	018-000-000	Preventative maintenance surface treatments
Co. Wide	018-200-000	Annual pavement marking project
Co. Wide	018-000-000	Multi-year retroreflectivity project

2012 ENGINEERING

CSAH 18	018-618-009	Construction inspection
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2012 RIGHT OF WAY

CSAH 18	018-618-009	25% R/W Purchase for 2012 Construction
FAD 331	018-599-031	100% R/W purchase for 2013 bridge replacement over Gull River

2012 EXPENDITURES BY FUNDING SOURCE

TOTAL	FEDERAL FUNDS	REGULAR STATE AID FUNDS	MUNICIPAL STATE AID FUNDS	CROW WING COUNTY LEVY	BRIDGE BONDING	TOWN BRIDGE ACCOUNT	FAD LEVY
6,362,500	376,000	2,588,650	1,563,650	1,529,900	-	-	304,300

$\frac{1}{2}$ 

PROPOSED 2013 PROGRAM

2013 RECONSTRUCTION

None

2013 RESURFACING

CSAH 10	018-610-006	Resurfacing from CSAH 14 to TH 6
CSAH 14	018-614-004	Resurfacing from TH 6 to Aitkin Co. Line

2013 BRIDGE REPLACEMENT

FAD 331	018-599-031	Gull River Road bridge replacement
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2013 SPOT IMPROVEMENTS

Co. Wide	018-000-000	Unidentified HSIP projects
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2013 OTHER PROJECTS

CSAH 18	018-618-009	Lump sum turn back payment to Nisswa (pending negotiation)
Co. Wide	018-000-000	Preventative maintenance surface treatments
Co. Wide	018-200-000	Annual pavement marking project
Co. Wide	018-000-000	Multi-year retroreflectivity project

2013 ENGINEERING

CSAH 3	018-603-022	75% In-house design for 2014 construction
FAD Wide	018-000-000	FAD Transportation and storm water management plan

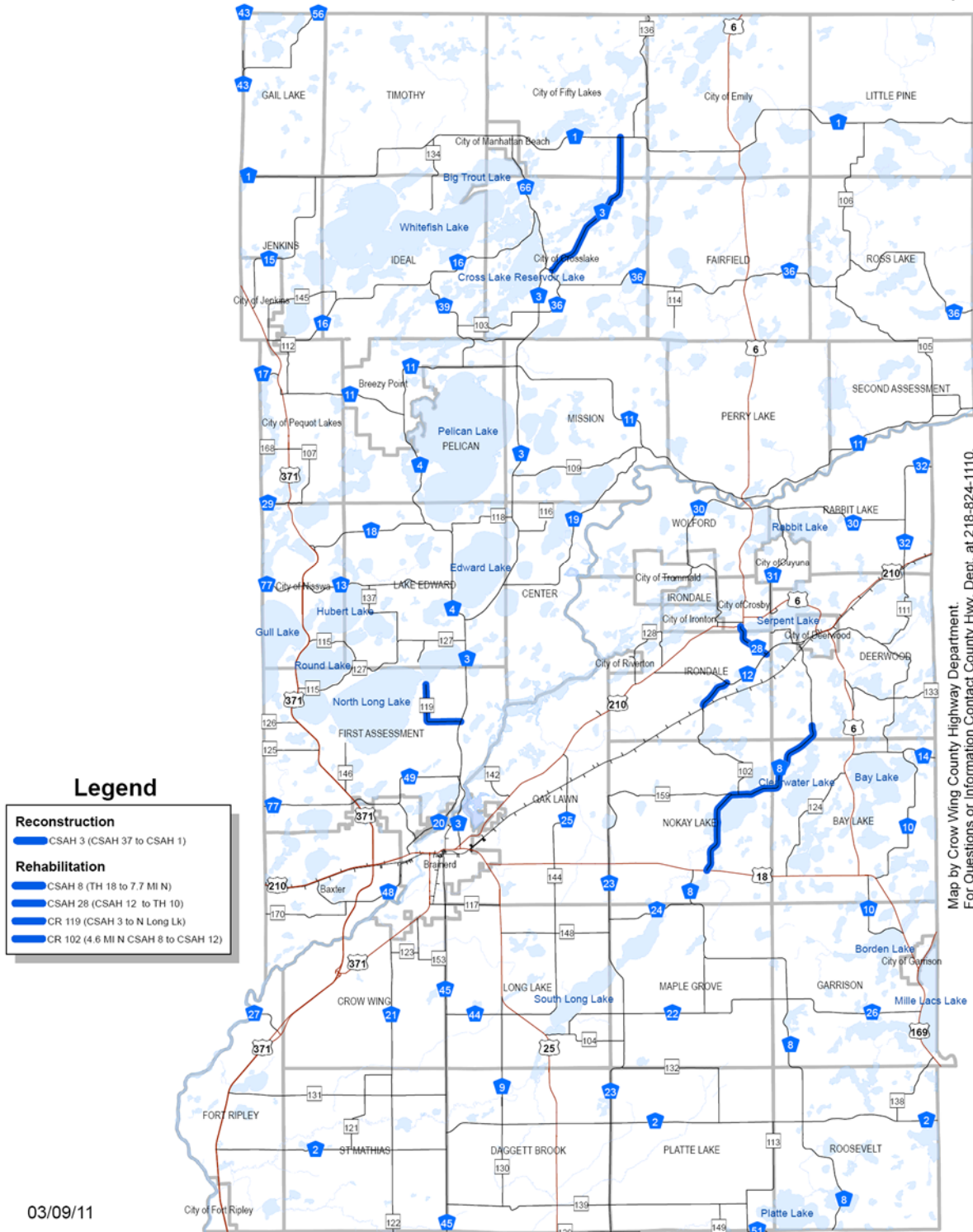
2013 RIGHT OF WAY

CSAH 3	018-603-022	75% R/W purchase for 2014 construction
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2013 EXPENDITURES BY FUNDING SOURCE

TOTAL	FEDERAL FUNDS	REGULAR STATE AID FUNDS	MUNICIPAL STATE AID FUNDS	CROW WING COUNTY LEVY	BRIDGE BONDING	TOWN BRIDGE ACCOUNT	FAD LEVY
4,240,900	704,000	2,163,750	222,750	569,400	-	250,000	331,000

CROW WING COUNTY 2014 Highway Improvement Plan



Map by Crow Wing County Highway Department.
For Questions or Information Contact County Hwy. Dept. at 218-824-1110.
For Information on State Highways Contact MnDOT at 218-828-5700.

PROPOSED 2014 PROGRAM

2014 RECONSTRUCTION

CSAH 3	018-603-022	Reconstruction from CSAH 37 to CSAH 1
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2014 RESURFACING

CSAH 8	018-608-010	Resurfacing from TH 18 to 7.7 miles North
CSAH 28	018-628-002	Resurfacing from CSAH 12 to TH 210
CR 119	018-119-000	Resurfacing from CSAH 3 to North Long Lake
CR 102	018-102-000	Resurfacing from 4.6 Miles N. of CASH 8 to CSAH 12
FAD 306	018-306-000	Resurfacing Love Lake Rd.
FAD 366	018-366-000	Resurfacing Inglewood Dr.

2014 BRIDGE REPLACEMENT

		None
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2014 SPOT IMPROVEMENTS

		None
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2014 OTHER PROJECTS

Co. Wide	018-000-000	Preventative maintenance surface treatments
Co. Wide	018-200-000	Annual pavement marking project
Co. Wide	018-000-000	Multi-year retroreflectivity project

2014 ENGINEERING

CSAH 3	018-603-022	25% In-house design for 2014 construction
CSAH 3	18-603-022	Construction inspection
CSAH 36	018-636-000	75% In-house design for 2015 construction

2014 RIGHT OF WAY

CSAH 3	018-603-022	25% R/W Purchase for 2014 Construction
CSAH 36	018-636-000	75% R/W purchase for 2014 construction

2014 EXPENDITURES BY FUNDING SOURCE

TOTAL	FEDERAL FUNDS	REGULAR STATE AID FUNDS	MUNICIPAL STATE AID FUNDS	CROW WING COUNTY LEVY	BRIDGE BONDING	TOWN BRIDGE ACCOUNT	FAD LEVY
6,520,400	1,071,200	2,743,550	1,139,750	1,205,200	-	-	360,700

CROW WING COUNTY 2015 Highway Improvement Plan

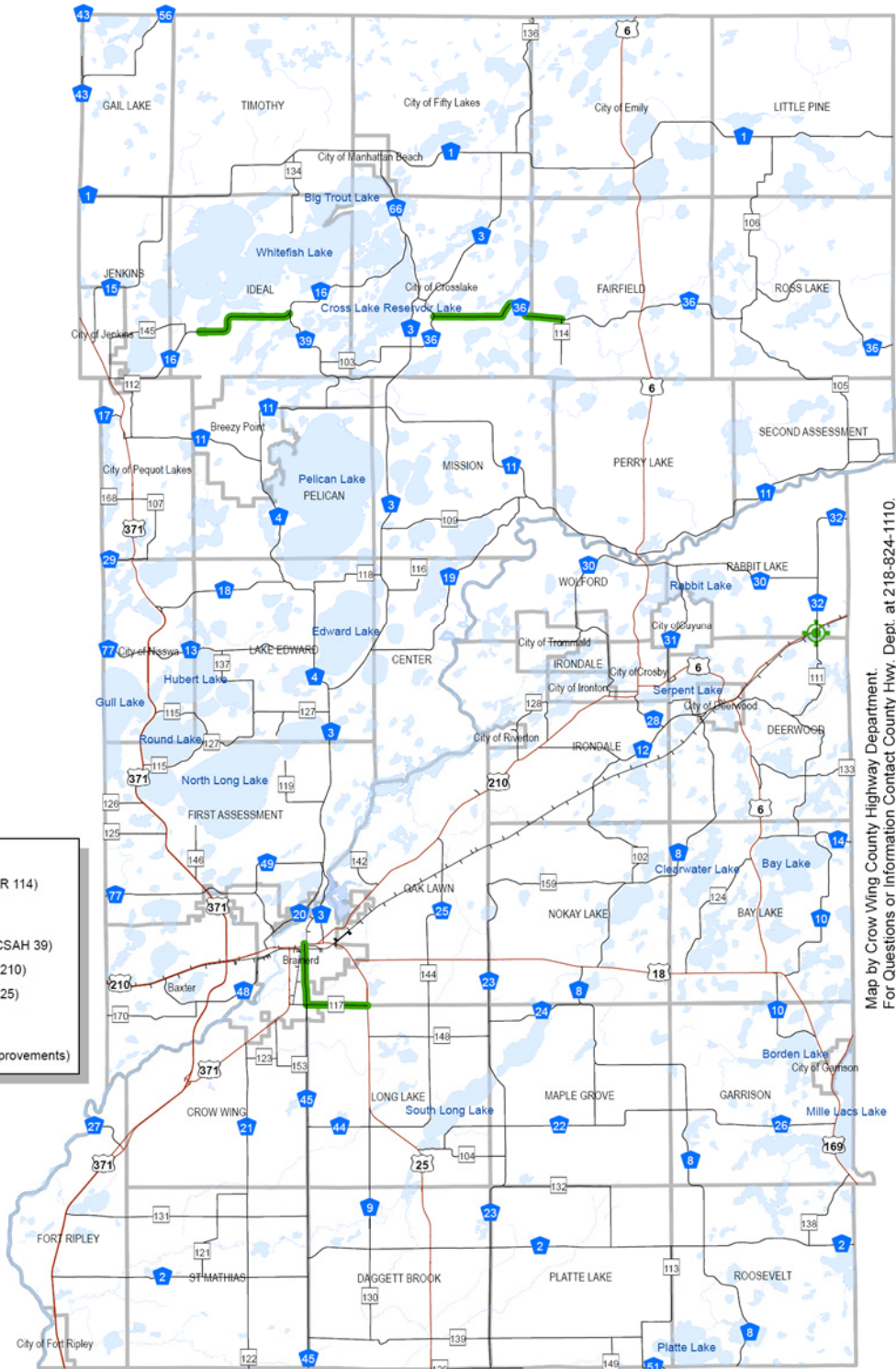


Legend

Reconstruction
 CSAH 36 (CSAH 37 to CR 114)

Rehabilitation
 CSAH 16 (Peoria Rd to CSAH 39)
 CSAH 45 (CR 117 to TH 210)
 CR 117 (CSAH 45 to TH 25)

Spot Improvements
 CR 111 (RR Crossing Improvements)



03/09/11

Map by Crow Wing County Highway Department.
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PROPOSED 2015 PROGRAM

2015 RECONSTRUCTION

CSAH 36	018-636-000	Reconstruction from CSAH 37 to CR 114
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2015 RESURFACING

CSAH 16	018-616-000	Resurfacing from Peoria Road to CSAH 39
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CSAH 45	018-645-000	Resurfacing from TH 210 to CR 117 in Brainerd
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CR 117	018-117-000	Resurfacing from TH 25 to CSAH 45
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2015 BRIDGE REPLACEMENT

		None
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2015 SPOT IMPROVEMENTS

CR 111	018-111-000	Install RR crossing gates on CR 111
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2015 OTHER PROJECTS

Co. Wide	018-000-000	Preventative maintenance surface treatments
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Co. Wide	018-200-000	Annual pavement marking project
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2015 ENGINEERING

CSAH 36	018-636-000	25% In-house design for 2015 construction
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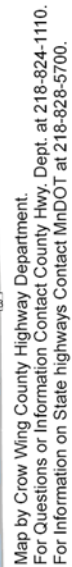
CSAH 36	018-636-000	Construction inspection
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2015 RIGHT OF WAY

CSAH 36	018-636-000	25% R/W purchase for 2015 construction
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2015 EXPENDITURES BY FUNDING SOURCE

TOTAL	FEDERAL FUNDS	REGULAR STATE AID FUNDS	MUNICIPAL STATE AID FUNDS	CROW WING COUNTY LEVY	BRIDGE BONDING	TOWN BRIDGE ACCOUNT	FAD LEVY
6,279,300	2,315,500	2,407,600	407,600	1,146,900	-	-	1,700

$\frac{1}{2}$ 

PROPOSED 2016+ PROGRAM

RECONSTRUCTION

CSAH 36	018-636-000	Reconstruction from CR 114 to TH 6
CSAH 30	018-630-000	Reconstruction from TH 6 to CSAH 32
CR 115	018-115-000	Reconstruction from N. connection TH 371 to S. connection TH 371

RESURFACING

CSAH 16	018-616-000	Resurfacing from CR 39 to CSAH 66
CSAH 17	018-617-000	Resurfacing from TH 371 to Cass Co. Line
CSAH 25	018-625-000	Resurfacing from TH 18 to TH 210
CSAH 30	018-630-000	Resurfacing from TH 210 to TH 6
CSAH 31	018-631-000	Resurfacing from TH 210 to CSAH 30
CSAH 32	018-632-000	Resurfacing from TH 210 to Aitkin County Line
CSAH 33	018-633-000	Resurfacing from TH 210 to CSAH 30
CSAH 36	018-636-000	Resurfacing from TH 6 to CR 105
CR 101	018-101-000	Resurfacing from CR 110 to CSAH 12
CR 110	018-110-000	Resurfacing from CSAH 12 to west limits of Deerwood Township
CR 124	018-124-000	Resurfacing from TH 18 to TH 6
CR 134	018-134-000	Resurfacing from Lower Whitefish Lake to CSAH 1
CR 137	018-137-000	Resurfacing from CR 127 to CSAH 13

OTHER ACTIVITIES

CSAH 11	018-611-000	Turn back west of future TH 371 bypass alignment
CSAH 11	018-611-000	Cost participation interchange on future TH 371 bypass alignment
CR 112	018-112-000	Turn back associated with future TH 371 bypass alignment

Pavement Condition Ratings



In Crow Wing County, a roadway's pavement condition is quantified using its Ride Quality Index (RQI) which is closely related to the overall roughness of that road. Considerations are also given to the level of surface distress that it may be experiencing. Most commonly these take the form of roadway cracking and rutting and can be closely related to the roughness on some roadways.

The RQI and surface distress of each CSAH and CR is measured by MnDOT every four years as part of the overall pavement management program. Well defined RQI deterioration curves (mathematical formulas) are used to project pavement condition between the years of these actual measurements. Generally RQI is used to determine when rehabilitation is needed. Understanding the type and cause of the surface distress helps determine what form of rehabilitation is needed.

A roadway's RQI combined with its Average Daily Traffic (ADT) is the primary means in which pavement rehabilitation needs are prioritized in Crow Wing County.

RIDE QUALITY INDEX (RQI) RANGES	
CATEGORY	RQI
VERY GOOD	81-100
GOOD	61-80
FAIR	41-60
POOR	21-40
VERY POOR	0-20

Note: Users commonly begin to complain when RQI drops below 50

RQI =54



RQI =36



RQI =26



Roadway Improvement Priority



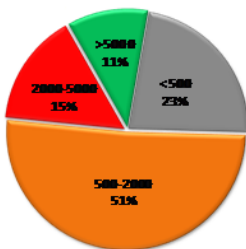
Roadway improvement priority is based on a combination of traffic volume (ADT) and Ride Quality (RQI). The following RQI thresholds that have been established are intended to assist in the determination when roadways in each category will be considered for resurfacing or other forms of rehabilitation. Higher volume roadways are intended to maintain higher standards of RQI.

Specific roadways currently below these established thresholds are located beginning on page 31.

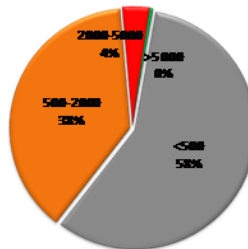
County State Aid Highway (CSAH)		
ADT	RQI	Goal
≥ 5000	60	Maintain Good/Very Good Rating for all High Volume CSAHs
≥ 2000<5000	56	Maintain Fair/Good rating for all Moderate Volume CSAHs
≥ 500<2000	52	Maintain Fair/Good rating for all Moderate Volume CSAHs
<500	48	Maintain Fair Rating for all Low Volume CSAHs

County Roads (CR)		
ADT	RQI	Goal
≥ 5000	58	Maintain Good/Very Good Rating for all High Volume CRs
≥ 2000<5000	54	Maintain Fair/Good rating for all Moderate Volume CRs
≥ 500<2000	52	Maintain Fair/Good rating for all Moderate Volume CRs
<500	48	Maintain Fair Rating for all Low Volume CRs

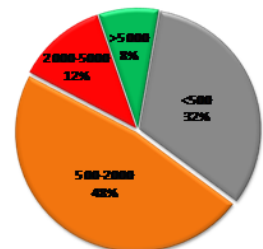
CSAH System Distribution by ADT



CR System Distribution by ADT



Overall System Distribution by ADT



System Performance Targets

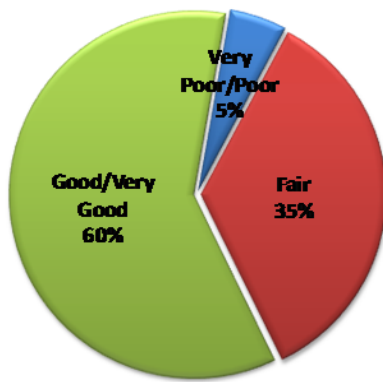


Establishing realistic goals, or targets, is essential in order to successfully manage the long term performance of the County's roadway system. Reporting on these performance targets, and actively working to achieve them, will assist the decision maker when considering where to apply limited future transportation funding.

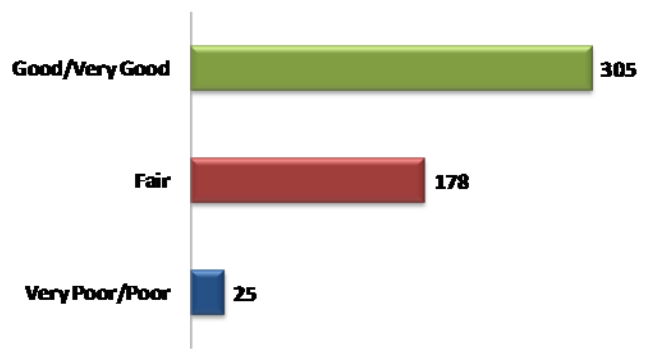
Performance Targets:

1. **No less than 60% of the paved CSAH and CR system in Good/Very Good condition (RQI = 61-100)**
2. **No less than 35% of the paved CSAH and CR system in Fair condition (RQI= 41-60)**
3. **Allow no more than 5% of the paved CSAH and CR system in Poor/Very Poor condition (RQI= 0-40)**

Overall System Performance Target



Overall System Performance Target by Mileage



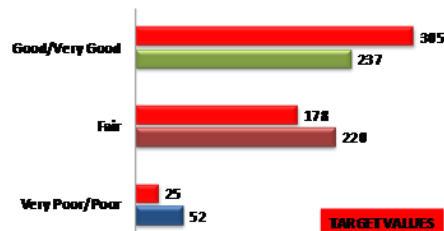
System Performance Summary



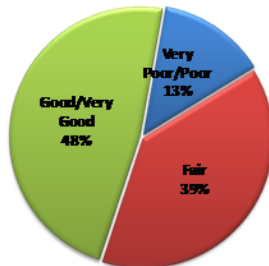
Overall System Performance 2011



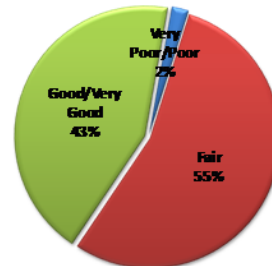
Overall System Mileage Distribution by Performance (509 CSAH + CR Miles)



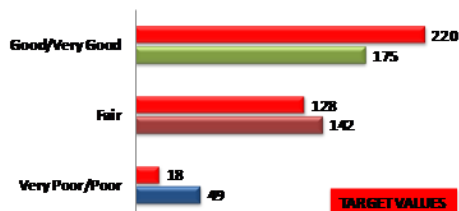
CSAH System Performance 2011



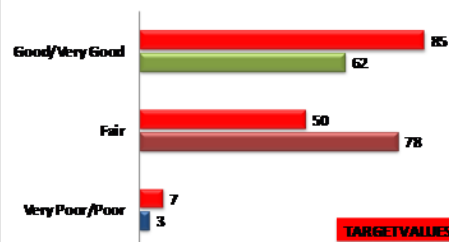
County Road System Performance 2011



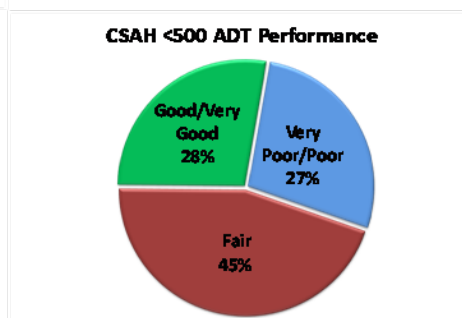
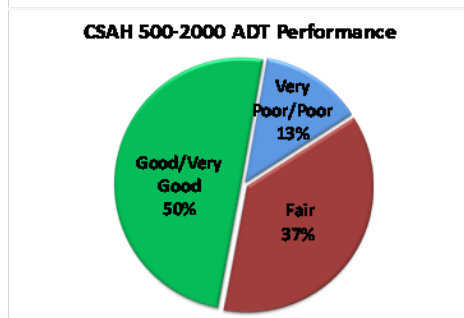
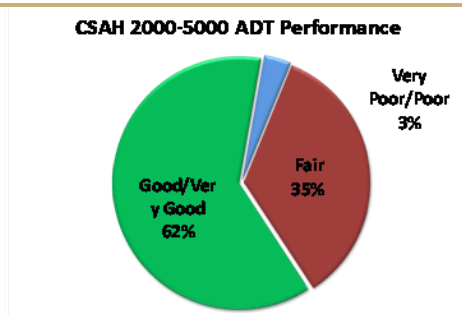
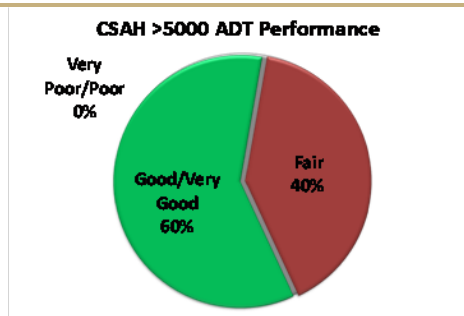
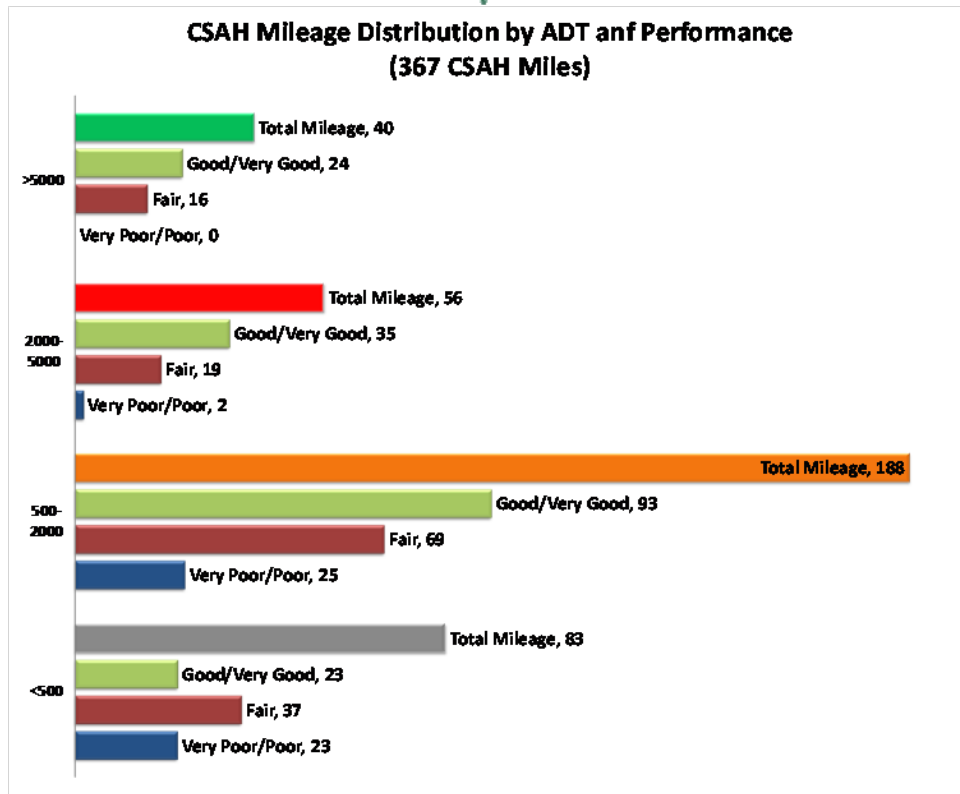
CSAH Mileage Distribution by Performance (367 CSAH Miles)



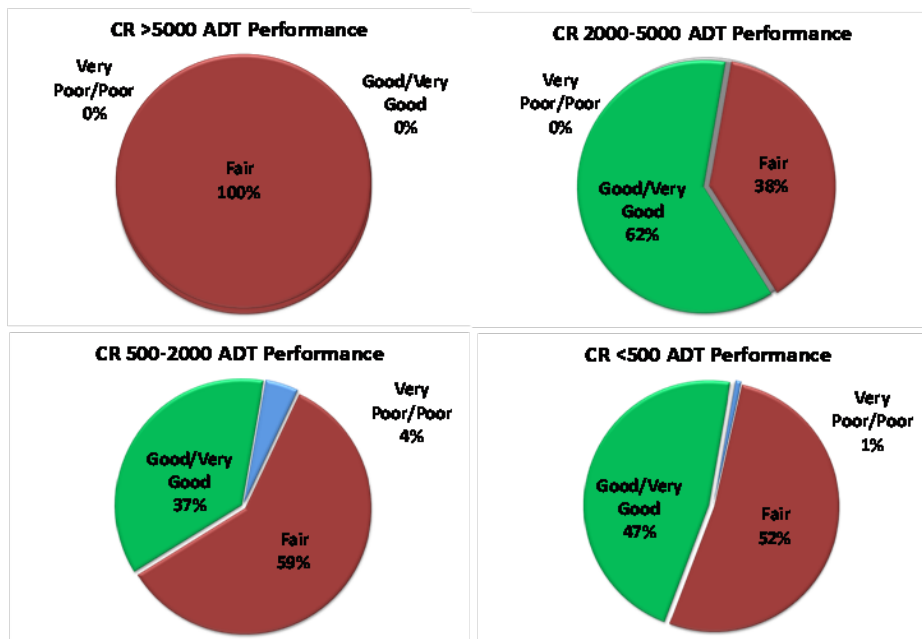
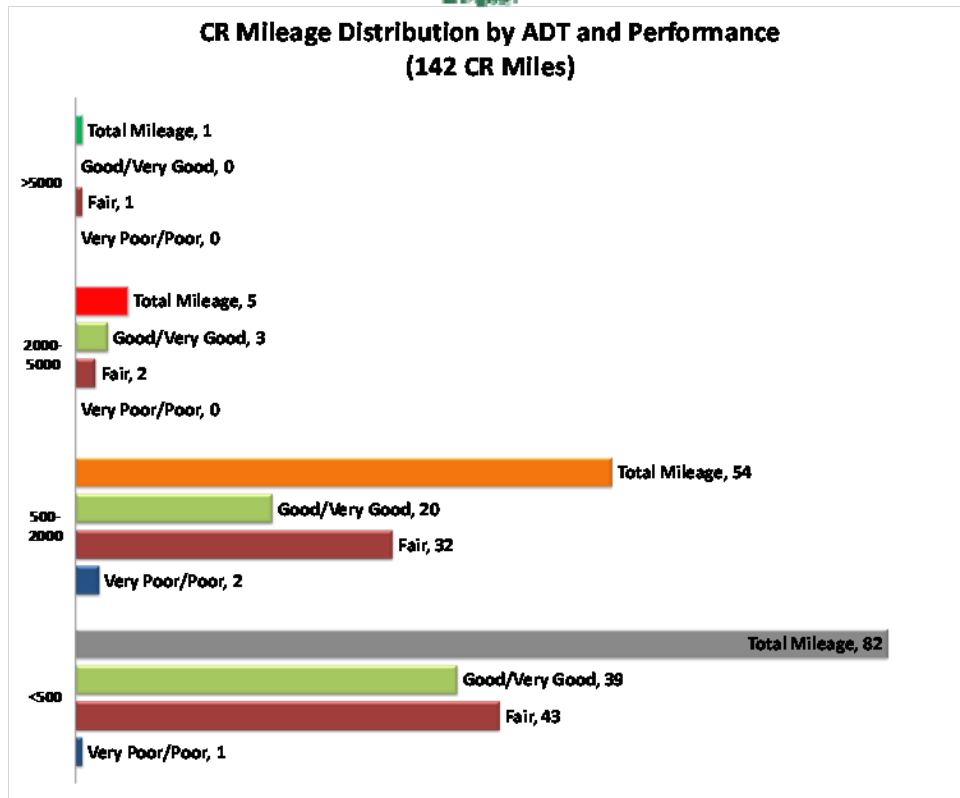
CR Mileage Distribution by Performance (142 CR Miles)



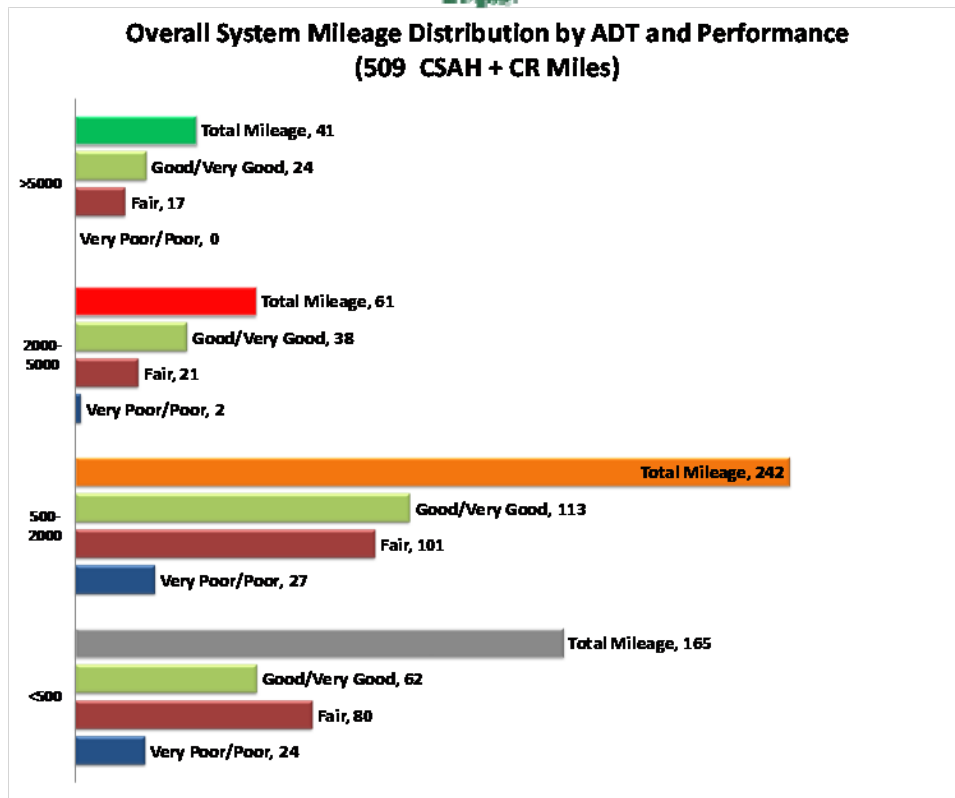
CSAH System Performance Summary



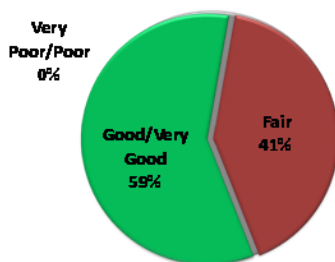
CR System Performance Summary



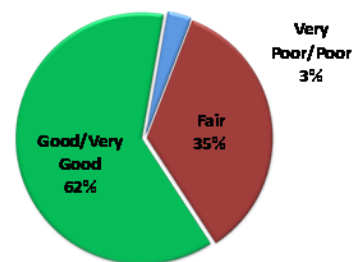
Overall System Performance Summary



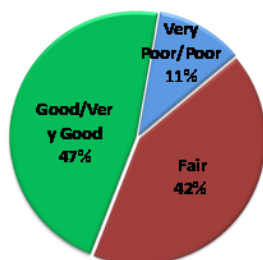
System >5000 ADT Performance



System 2000-5000 ADT Performance



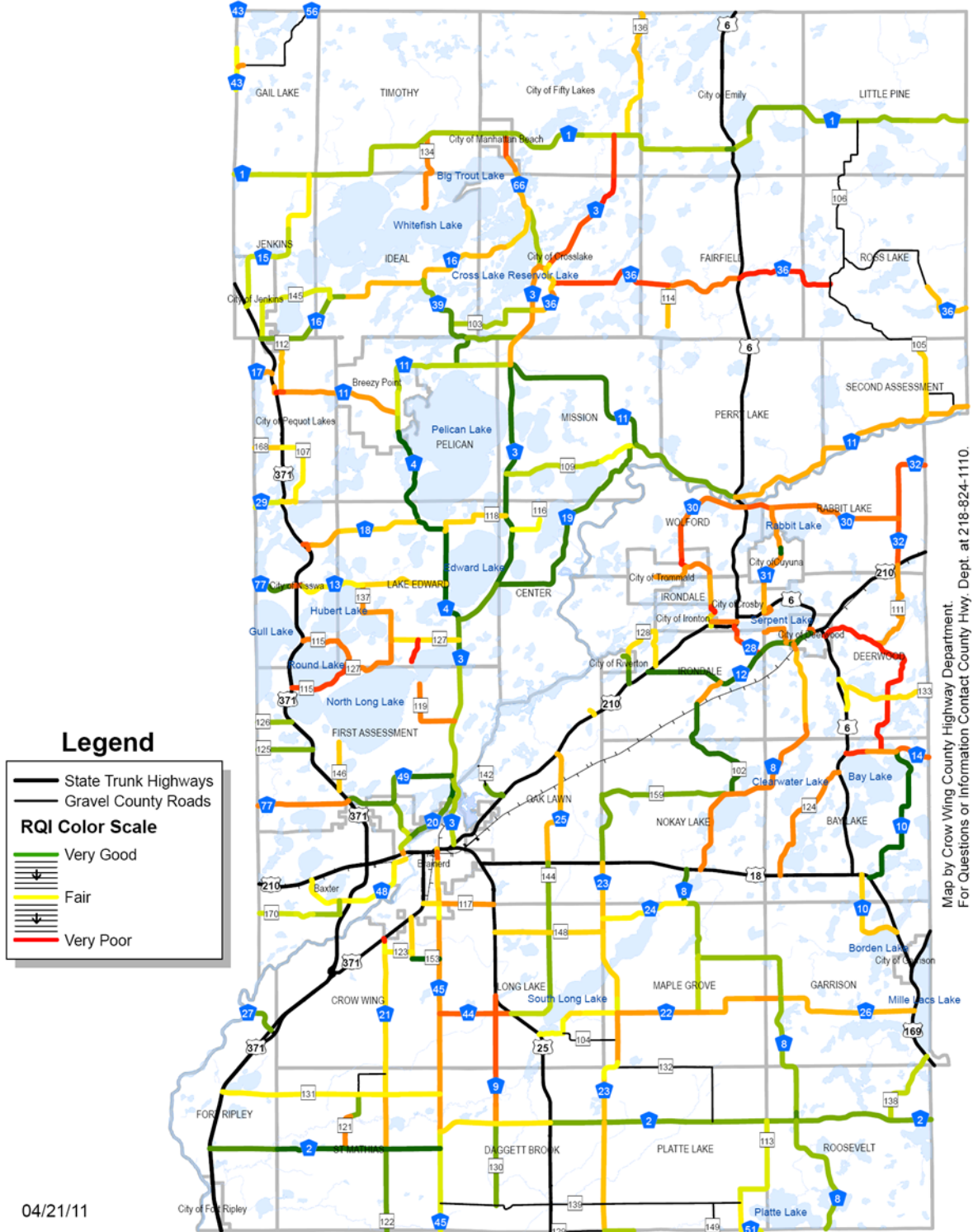
System 500-2000 ADT Performance



System <500 ADT Performance



CROW WING COUNTY Ride Quality Index



04/21/11

2011 CSAH Priority List

Road	Length (miles)	From	To	RQI	Condition Rating	ADT	ADT Class	Functional Class	RQI Threshold	RQI Delta	Rank	Year Programmed
CSAH 11	4.70	S JCT TH-371	CSAH-4	46	Fair	6325	> 5000	Rural Major and Urban Collector	60	-14	1	2012
CSAH 77 (S)	3.40	W CO LN	S JCT TH-371	42	Fair	5100	> 5000	Rural Major and Urban Collector	60	-18	2	2011
CSAH 3	4.02	CSAH-11	CSAH-66	47	Fair	5567	> 5000	Minor Arterial	60	-13	3	2012
CSAH 3	6.14	CSAH-66	CSAH-1	35	Poor	1560	2000 - 500	Rural Major and Urban Collector	52	-17	4	2014
CSAH 45	2.00	CR-117	TH-210	51	Fair	7100	> 5000	Minor Arterial	60	-9	5	2015
CSAH 16	8.98	PEORIA ROAD	CSAH-66	51	Fair	2313	5000 - 2001	Rural Major and Urban Collector	56	-5	6	2015
CSAH 28	1.53	CSAH-12	TH-210	34	Poor	2510	5000 - 2001	Rural Major and Urban Collector	56	-22	7	2014
CSAH 36	4.70	CSAH-37	CR-114	33	Poor	900	2000 - 500	Rural Major and Urban Collector	52	-19	8	2015
CSAH 66	3.02	CSAH-16	CSAH-1	44	Fair	2100	5000 - 2001	Minor Arterial	56	-12	9	2011
CSAH 8	7.70	TH-18	7.7 MI N	42	Fair	960	2000 - 500	Rural Major and Urban Collector	52	-10	10	2014
CSAH 30	5.80	TH 6	CSAH 32	40	Poor	910	2000 - 500	Rural Major and Urban Collector	52	-12	11	2016+
CSAH 10	7.53	CSAH-14	TH-6	30	Poor	380	< 500	Rural Major and Urban Collector	48	-18	12	2013
CSAH 14	3.20	TH-6	E CO LN	40	Poor	1290	2000 - 500	Rural Major and Urban Collector	52	-12	13	2013
CSAH 32	4.60	TH-210	E CO LN	37	Poor	640	2000 - 500	Rural Minor Collector	52	-15	14	2016+
CSAH 45	8.56	N JCT CASH-2	CR-117	48	Fair	960	2000 - 500	Rural Major and Urban Collector	52	-4	15	2016+
CSAH 18	4.09	0.15 MI N OF S JCT TH-371	CSAH-4	53	Fair	2463	5000 - 2001	Rural Major and Urban Collector	56	-3	16	2016+
CSAH 18	0.37	S JCT TH-371	N JCT TH-371	38	Poor	3575	5000 - 2001	Rural Major and Urban Collector	56	-18	17	2016+
CSAH 30	4.56	CSAH-34	TH 6	38	Poor	432	< 500	Rural Major and Urban Collector	48	-10	18	2016+
CSAH 31	1.60	NORTH ST CUYUNA	CSAH-30	45	Fair	1650	2000 - 500	Rural Minor Collector	52	-7	19	2016+
CSAH 36	3.70	TH-6	CR-105	30	Poor	265	< 500	Rural Major and Urban Collector	48	-18	20	2016+
CSAH 31	2.31	TH-210	SOUTH STREET CUY	46	Fair	1250	2000 - 500	Rural Minor Collector	52	-6	21	2016+
CSAH 11	10.00	TH-6	E CO LINE	49	Fair	530	2000 - 500	Rural Major and Urban Collector	52	-3	22	2016+
CSAH 33	0.95	CSAH-30	TH-210	42	Fair	1320	2000 - 500	Local	52	-10	23	2016+
CSAH 30	3.11	TH-210	CSAH-34	47	Fair	760	2000 - 500	Rural Major and Urban Collector	52	-5	24	2016+
CSAH 9	4.50	CSAH-2	TH-25	39	Poor	260	< 500	Local	48	-9	25	2016+
CSAH 25	4.40	TH-18	TH-210	50	Fair	1050	2000 - 500	Rural Major and Urban Collector	52	-2	26	2016+
CSAH 11	0.29	N JCT TH-371	S JCT TH-371	47	Fair	3500	5000 - 2001	Rural Major and Urban Collector	56	-9	27	2016+
CSAH 44	2.60	CSAH-45	TH-25	39	Poor	330	< 500	Rural Minor Collector	48	-9	28	2016+
CSAH 36	3.00	CR-114	TH-6	41	Fair	340	< 500	Rural Major and Urban Collector	48	-7	29	2016+
CSAH 17	0.84	W CO LN	TH-371	47	Fair	1450	2000 - 500	Rural Major and Urban Collector	52	-5	30	2016+
CSAH 36	1.60	CSAH-3	CSAH-37	50	Fair	900	2000 - 500	Rural Major and Urban Collector	52	-2	31	2016+
CSAH 8	3.10	7.7 MI N TH-18	CSAH-12	51	Fair	675	2000 - 500	Rural Major and Urban Collector	52	-1	32	2016+
CSAH 47	0.18	TH-210 & TH-6	TH-210	39	Poor	670	2000 - 500	Local	52	-13	33	2016+
CSAH 34	1.37	1ST AVE W	CSAH 30	46	Fair	370	< 500	Rural Minor Collector	48	-2	34	2016+
CSAH 22	6.50	CSAH-23	CSAH-8	47	Fair	225	< 500	Rural Major and Urban Collector	48	-1	35	2016+
CSAH 56	0.20	CSAH-43	0.2 MI N	46	Fair	175	< 500	Rural Minor Collector	48	-2	36	2016+

2011 County Road Priority List

Road	Length (miles)	From	To	RQI	Condition Rating	ADT	ADT Class	Functional Class	RQI Threshold	RQI Delta	Rank	Year Programmed
CR 115	2.32	S JCT TH-371	CR 127	33	Poor	1550	500-2000	Rural Minor Collector	52	-19	1	2016+
CR 117	2.00	CSAH-45	TH-25	46	Fair	3300	2000-5000	Rural Major and Urban Collector	54	-8	2	2015
CR 115	2.51	CR 127	N JCT TH-371	41	Fair	1550	500-2000	Rural Minor Collector	52	-11	3	2016+
CR 127	2.60	CR-115	CR-137	42	Fair	830	500-2000	Rural Minor Collector	52	-10	4	2012
CR 119	2.58	CSAH-3	NORTH LONG LAKE	42	Fair	620	500-2000	Local	52	-10	5	2014
CR 124	4.93	TH-18	TH-6	44	Fair	340	<500	Local	48	-4	6	2016+
CR 102	1.54	4.61 MI N CSAH-8	CSAH-12	47	Fair	710	500-2000	Local	52	-5	7	2014
CR 110	1.28	CSAH-12	W LIM DEERWOOD	44	Fair	510	500-2000	Local	52	-8	8	2016+
CR 134	2.89	LOWER WHITEFISH L	CSAH-1	44	Fair	420	<500	Local	48	-4	9	2016+
CR 137	3.12	CR-127	CSAH-13	46	Fair	270	<500	Rural Minor Collector	48	-2	12	2016+
CR 121	1.31	CSAH-2	1.31 MI N	44	Fair	205	<500	Rural Minor Collector	48	-4	13	2016+
CR 127 (PARADISE DR)	0.65	NE COR SEC 33	0.65 MI S	30	Poor	60	<500	Rural Minor Collector	48	-18	14	2014
CR 111	3.83	CSAH-10	TH-210	47	Fair	175	<500	Local	48	-1	15	2016+
CR 135	0.46	W JCT TH-210	E JCT TH-210	42	Fair	180	<500	Local	48	-6	16	2016+
CR 101	0.44	CR-110	CSAH-12	47	Fair	450	<500	Local	48	-1	17	2016+

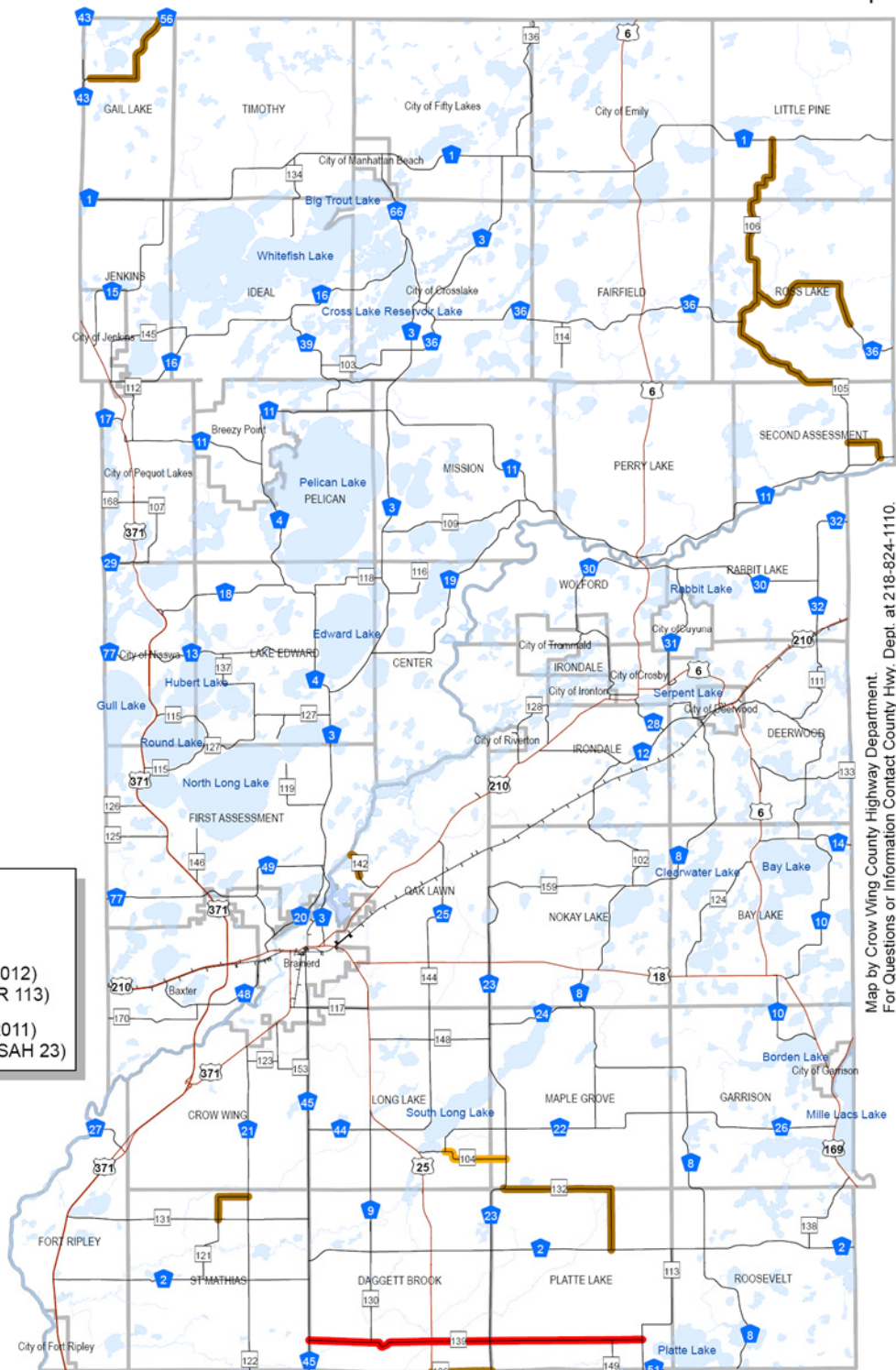
CROW WING COUNTY

Gravel Roads



Legend

- Gravel Road
- Improvements
 - CR 139 (Year 2012)
(CSAH 45 to CR 113)
 - CR 104 (Year 2011)
(CSAH 22 to CSAH 23)

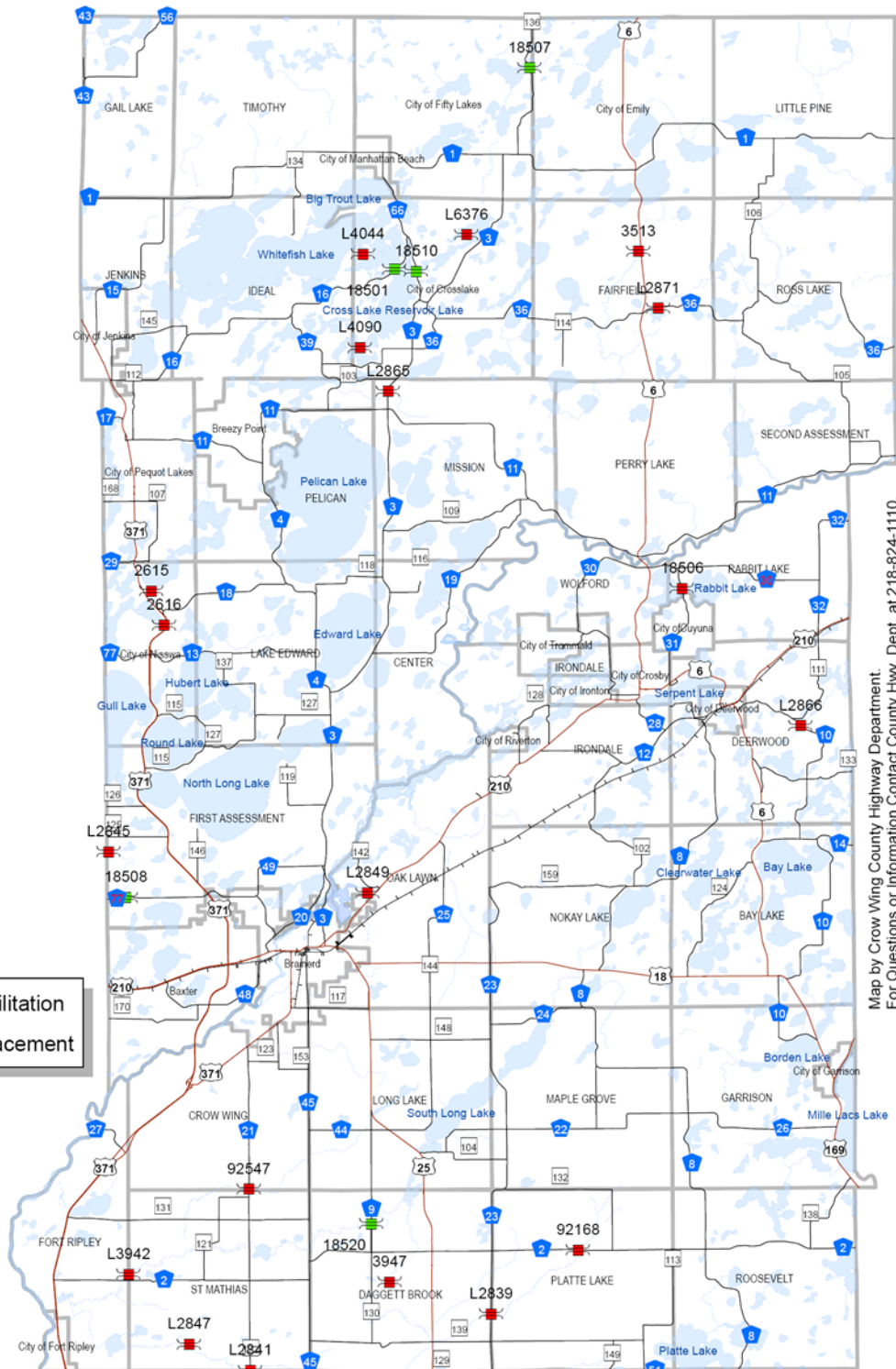


Map by Crow Wing County Highway Department.
For Questions or Information Contact County Hwy. Dept. at 218-824-1110.
For Information on State Highways Contact MnDOT at 218-828-5700.

04/26/11

2011 Gravel County Roads							
Road	Length (miles)	From	To	ADT	ADT Class	Functional Class	Year Programmed
CR 104	2.2	CSAH-22	CSAH-23	40	<500	Local	2011
CR 105	4.27	MCNEAL ROAD	CSAH-36	105	<500	Rural Minor Collector	
CR 106	0.69	CSAH-36	0.69 MI N	105	<500	Rural Minor Collector	
CR 106	5.23	0.69 MI N CSAH-36	CSAH-1	105	<500	Rural Minor Collector	
CR 121	1.8	CR-131	CSAH-21	120	<500	Local	
CR 129	2	TH-25	CSAH 23	60	<500	Local	
CR 132	5.54	CSAH-23	CSAH-2	60	<500	Local	
CR 139	11.2	CSAH-45	CR-113	85	<500	Local	2012
CR 141	1.51	CR-105	CSAH-11	15	<500	Local	
CR 142	0.82	1.58 MI W TH-210	FRENCH RAPIDS	90	<500	Local	
CR 149	1.14	CR-139	S CO LN	50	<500	Local	
CSAH 36	1.3	CR-105	CR-106	115	<500	Rural Major and Urban Collector	
CSAH 36	4.8	CR-106	CUYUNA TRAIL	45	<500	Rural Major and Urban Collector	
CSAH 56	3.9	0.2 MI N CSAH-43	N CO LN	175	<500	Rural Minor Collector	
CSAH 56	0.3	ALONG N CO LN		175	<500	Rural Minor Collector	

CROW WING COUNTY Bridge Priority List



Legend

- Deck Rehabilitation
- Bridge Replacement

Map by Crow Wing County Highway Department.
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For information on State highways Contact MnDOT at 218-828-5700

03/09/11

2011 CSAH/CR/FAD Bridge Replacement Priority List

Priority	Bridge Number	Location	Road System	Year Built	ADT	Suff. Rating	Replacement Cost	Funding	Remarks
1	L2845	Gull River Rd. (Gull River)	Twsp (FAD)	1943	250	(2006)	\$324,400	Town Bridge	FUNCTIONALLY OBSOLETE. Posted at 19/34/33 tons. Through road serving residential and recreational developments.
2	L2839	CSAH 23 (Daggett Brook)	CSAH	1952	415	(2005)	\$220,600	State Bonding/State Aid	General deterioration. Extensive insect damage was found and repaired in 1990 when bridge was widened. River is beneath the backer boards & wingwalls, causing sinkholes to develop in the approaches.
3	L2865	CSAH 3 (Pelican Brook)	CSAH	1958	5,100	(2005)	\$123,400	State Bonding/State Aid	Galvanized steel plate culvert. Rusting at the waterline. Fill on the east side of the road over the pipe is unstable resulting in movement of the guardrail.
4	L2871	CSAH 36 (Mud Brook)	CSAH	1936	235	(2005)	\$127,700	State Bonding/State Aid	General Deterioration. Too narrow for current traffic level.
5	L2866	CSAH 10 (Cedar Brook)	CSAH	1953	155	(2005)	\$108,200	State Bonding/State Aid	General Deterioration. Too narrow for current traffic level.
6	18504	CSAH 45 (Noka. River)	CSAH	1970	870	(2005)	\$472,600	State Bonding/State Aid	Deteriorating condition of the superstructure. Longitudinal cracks in lower legs of the channels.
7	18502	CSAH 23 (Noka. River)	CSAH	1960	680	(2005)	\$453,700	State Bonding/State Aid	Deteriorating condition of the superstructure. Longitudinal cracks in lower legs of the channels.
8	18506	CSAH 31 (Rabbit Lake)	CSAH	1974	1,450	(2005)	\$511,056	State Bonding/State Aid	Deteriorating condition of the superstructure. Rusting occurring in the steel bridge beams.
9	92547	CSAH 21 (Hay Creek)	CSAH	1960	1,200	(2005)	\$123,400	State Bonding	Galvanized steel plate culvert. Rusting at the waterline.
10	L2841	CR 122 (Little Noka. River)	CR	1955	240	(2005)	\$101,800	State Bonding/State Aid	Galvanized steel plate culvert. Rusting at the waterline.
11	92168	CSAH 2 (Daggett Brook)	CSAH	1967	1,850	(2005)	\$220,600	State Bonding/State Aid	Galvanized steel plate culvert. Rusting at the waterline.
12	18514	CSAH 36 (Little Pine)	CSAH	1981	343	(2008)	\$500,000	State Bonding/State Aid	Bituminous deck and approach repair is needed. The bituminous deck surface is cracked allowing salt and water to penetrate to the wood superstructure. There is currently 7 inches of Bituminous on the deck and the original design was only for 2 inches.

Bridges highlighted in yellow are contained in the 2011 bridge priority listing adopted by the County Board on March 8, 2011.

Bridges with red print are in the final design phase or under construction in 2011

2011 Township Bridge Replacement Priority List

Priority	Bridge Number	Location	Road System	Year Built	ADT	Suff. Rating	Replacement Cost	Funding	Remarks
1	3513	Fairfield (Fletcher Rd.)	TWP	1921	49	(1979)	\$20,000	Town Bridge	STRUCTURALLY DEFICIENT. Posted at 24/36 tons. An old segment of TH 6 w/ TH 6 access at both ends. Township has proposed removing the bridge. Deterioration of the abutments has resulted in sinkholes developing in the approaches.
2	L2847	St. Mathias (60th Ave.)	TWP	1915	5	(1982)	\$20,000	Town Bridge	STRUCTURALLY DEFICIENT. Posted at 3 tons. The township has closed the road and taken steps to abandon this segment of road, but no transfer of ownership of the bridge has been recorded. Bridge could be removed.
3	3947	Daggett Brook (30th St.)	TWP	1923	58	(2008)	\$164,900	Town Bridge	FUNCTIONALLY OBSOLETE. Through road serving agricultural. Area.
4	L2849	Oak Lawn (Jordan Rd.)	TWP	1915	20	(1991)	\$101,800	Town Bridge	Deteriorated conditions. Posted at 26/40 tons. Dead end road, old TH 210 segment, providing access to limited residential properties.
5	L3942	St. Mathias (Koering Rd.)	TWP	1908	20	(1973)	\$398,800	Town Bridge	STRUCTURALLY DEFICIENT. CLOSED. Out of service since 1987. Through "town line" road.

Bridges highlighted in yellow are contained in the 2011 bridge priority listing adopted by the County Board on March 8, 2011.

2011 City Bridge Replacement Priority List

Priority	Bridge Number	Location	Road System	Year Built	ADT	Suff. Rating	Replacement Cost	Funding	Remarks
1	L4090	Crosslake (Sunrise Island Dr.)	City	1960	20	30.2	\$900,400	State Bonding	FUNCTIONALLY OBSOLETE. Posted at 3 tons. Dead end road to island.
2	2615	Nisswa (Lower Cullen Rd.)	City	1917	1,870	36.0	\$132,000	State Bonding	STRUCTURALLY DEFICIENT. Posted at 18/30 tons. Through road serving residential and recreational developments.
3	2616	Nisswa (Hazelwood Dr.)	City	1928	850	37.3	\$132,000	State Bonding	FUNCTIONALLY OBSOLETE. Posted at 18/30 tons. Through road serving residential and recreational developments.
4	L4044	Crosslake (Melinda Shores Rd.)	City	1950	15	65.8	\$220,000	State Bonding	Rotation and general deterioration of the abutments. Superstructure was replaced in 1989. Dead end road to residential development.
5	L6376	Crosslake (Dream Island Rd.)	City	1960	30	61.5	\$106,700	State Bonding	Rotation and general deterioration of the abutments. Superstructure was replaced in 1988. Dead end road to residential development on Dream island.

Bridges highlighted in yellow are contained in the 2011 bridge priority listing adopted by the County Board on March 8, 2011.
Bridges with red print are in the final design phase or under construction in 2011

Contact Information



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Paul Thiede
Rachel Reabe-Nystrom
Rosemary Franzen
Doug Houge**

**District 1
District 2
District 3
District 4
District 5**

N



July 14, 2009

CROW WING COUNTY HIGHWAY DEPARTMENT

Bridge Replacement Priority List

	Bridge Number	Location	Road System	Year Built	ADT	Suff. Rating	Replacement Cost	Funding	Remarks
1	2615	Nisswa (Lower Cullen Rd.)	City	1917	1,870	(2008)	\$132,000	State Bonding	Posted at 18/30 tons. General deterioration occurring. Through road serving residential and recreational developments.
2	2616	Nisswa (Hazelwood Dr.)	City	1928	850	(2008)	\$132,000	State Bonding	Posted at 18/30 tons. General deterioration occurring. Through road serving residential and recreational developments.
3	L4090	Crosslake (Sunrise Island Dr.)	City	1960	20	(1986)	\$900,400	State Bonding	FUNCTIONALLY OBSOLETE. Posted at 17/28 tons. Dead end road to island.
4	L2845	UTWIN (Gull River Rd.)	Twsp	1943	250	(2006)	\$324,400	Town Bridge	FUNCTIONALLY OBSOLETE. Posted at 19/34/33 tons. Through road serving residential and recreational developments.
5	92404	CR 130 (Daggett Brook)	Cnty	1968	200	(2005)	\$374,375	State Bonding	STRUCTURALLY DEFICIENT. Two railway tank cars approx. 90 years old. N. has bulges on the inside.
6	3947	Daggett Brook (30th St.)	Twsp	1923	58	(2008)	\$164,900	Town Bridge	FUNCTIONALLY OBSOLETE. Through road serving ag. Area.
7	L2840	CSAH 24 (Noka. River)	CSAH	1962	560	(2005)	\$238,025	State Bonding/State Aid	General Deterioration. Wood culvert. Settlement is taking place segment beginning to pull away from each other.
8	L2844	CR 149 (Plate River)	Cnty	1961	50	(2005)	\$192,000	State Bonding	General Deterioration. Wood culvert. Settlement is taking place segments beginning to pull away from each other and large sag in the middle of the pipe.
9	L6376	Crosslake (Dream Island Rd.)	City	1960	30	(1989)	\$106,700	State Bonding	Rotation and general deterioration of the abutments. Superstructure was replaced in 1988. Dead end road to residential development on Dream Island.
10	L2849	Oak Lawn (Jordan Rd.)	Twsp	1915	20	(1991)	\$101,800	Town Bridge	Deteriorated conditions. Dead end road, old TH 210 segment, providing access to limited residential properties.
11	L2839	CSAH 23 (Daggett Brook)	CSAH	1952	415	(2005)	\$220,600	State Bonding/State Aid	General deterioration. Extensive insect damage was found and repaired in 1990 when bridge was widened.
12	L3942	St. Mathias (Koering Rd.)	Twsp	1908	20	(1973)	\$398,800	Town Bridge	CLOSED. Out of service since 1987. Through "town line" road.
13	18506	CSAH 31 (Rabbit Lake)	CSAH	1974	1,450	(2005)	\$212,600	State Bonding/State Aid	Deteriorating condition of the superstructure. Rusting occurring in the steel bridge beams.

Bridges shown in bold are currently in design

CROW WING COUNTY HIGHWAY DEPARTMENT

Bridge Replacement Priority List

	Bridge Number	Location	Road System	Year Built	ADT	Suff. Rating	Replacement Cost	Funding	Remarks
14	18504	CSAH 45 (Noka. River)	CSAH	1970	870	(2005)	\$472,600	State Bonding/State Aide	Deteriorating condition of the superstructure. Longitudinal cracks in lower legs of the channels.
15	L2871	CSAH 36 (Mud Brook)	CSAH	1936	235	(2005)	\$127,700	State Bonding/State Aide	General Deterioration. Too narrow for current traffic level.
16	18502	CSAH 23 (Noka. River)	CSAH	1960	680	(2005)	\$453,700	State Bonding/State Aide	Deteriorating condition of the superstructure. Longitudinal cracks in lower legs of the channels.
17	L2865	CSAH 3 (Pelican Brook)	CSAH	1958	5,100	(2005)	\$123,400	State Bonding/State Aide	Galvanized steel plate culvert. Rusting at the waterline.
18	L2841	CR 122 (Little Noka. River)	Cnty	1955	240	(2005)	\$101,800	State Bonding/State Aide	Galvanized steel plate culvert. Rusting at the waterline.
19	92168	CSAH 2 (Daggett Brook)	CSAH	1967	1,850	(2005)	\$220,600	State Bonding/State Aide	Galvanized steel plate culvert. Rusting at the waterline.
20	92547	CSAH 21 (Hay Creek)	CSAH	1960	1,200	(2005)	\$123,400	State Bonding	Galvanized steel plate culvert. Rusting at the waterline.
21	L2866	CSAH 10 (Cedar Brook)	CSAH	1953	155	(2005)	\$108,200	State Bonding/State Aide	General Deterioration. Too narrow for current traffic level.
						Total Cost	\$5,230,000		

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Contact Information



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