



Board of County Commissioners Agenda Request

6A
Agenda Item #

Requested Meeting Date: 8-27-19

Title of Item: 2020 Budget Presentation

<input checked="" type="checkbox"/> REGULAR AGENDA <input type="checkbox"/> CONSENT AGENDA <input type="checkbox"/> INFORMATION ONLY	Action Requested: <input type="checkbox"/> Approve/Deny Motion <input type="checkbox"/> Adopt Resolution (attach draft)	<input type="checkbox"/> Direction Requested <input checked="" type="checkbox"/> Discussion Item <input type="checkbox"/> Hold Public Hearing* <small>*provide copy of hearing notice that was published</small>
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Submitted by: John Welle	Department: Highway Department
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Presenter (Name and Title): John Welle, Aitkin County Engineer	Estimated Time Needed: 40 minutes
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Summary of Issue:
 Attached are the detailed budget sheets for the proposed Highway Department Budget including the Operations, Capital Equipment/Facilities, and Capital Infrastructure Budgets. Note that the five-year capital equipment and facilities program is included as part of the Capital Equipment/Facilities budget and the 5-year capital road construction program is included as part of the Capital Infrastructure Budget. The budget will be summarized by a brief presentation.

Alternatives, Options, Effects on Others/Comments:
 NA

Recommended Action/Motion:
 Discussion only, for future action.

Financial Impact:

Is there a cost associated with this request? Yes No

What is the total cost, with tax and shipping? \$

Is this budgeted? Yes No *Please Explain:*

2020 Highway Department Budget Summary

Revenue:	2017 Actual	2018 Actual	Adopted 2019 Budget	2019 As of 6-30-19	Proposed 2020 Budget
Operating	\$ 4,504,695	\$ 4,441,372	\$ 4,563,099	\$ 2,008,926	\$ 4,769,697
Capital Equipment/Facilities	\$ 555,200	\$ 571,600	\$ 605,000	\$ -	\$ 616,400
Capital Infrastructure	\$ 3,748,789	\$ 3,112,769	\$ 4,395,000	\$ 1,405,695	\$ 4,327,700
Total:	\$ 8,808,684	\$ 8,125,741	\$ 9,563,099	\$ 3,414,621	\$ 9,713,797
Expenditures:					
Operating	\$ 4,050,886	\$ 4,013,396	\$ 4,563,099	\$ 2,308,809	\$ 4,769,697
Capital Equipment/Facilities	\$ 126,816	\$ 371,948	\$ 605,000	\$ 660,654	\$ 616,400
Capital Infrastructure	\$ 5,255,463	\$ 6,031,144	\$ 4,395,000	\$ 677,945	\$ 4,327,700
Total:	\$ 9,433,165	\$ 10,416,488	\$ 9,563,099	\$ 3,647,408	\$ 9,713,797

2020 Highway Department Budget Levy Revenue Summary

	2017 Actual	2018 Actual	Adopted 2019 Budget	2019 As of 6-30-19	Proposed 2020 Budget
Operating	\$ 1,384,570	\$ 1,415,624	\$ 1,236,169	\$ 148,348	\$ 1,361,467
Capital Equipment/Facilities	\$ 555,200	\$ 571,600	\$ 605,000	\$ 605,000	\$ 616,400
Capital Infrastructure	\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000
Total:	\$ 2,539,770	\$ 2,587,224	\$ 2,441,169	\$ 1,353,348	\$ 2,577,867
% Increase Over Previous Year's Budget:					5.60%

Highway Department Operations Budget Fund 003

Revenue:

	2017 Actual	2018 Actual	Adopted 2019 Budget	2019 As of 6-30-19	Proposed 2020 Budget
5001 Taxes, Aids, etc.	1,384,960	1,415,624	1,236,169	148,348	1,361,467
5227 Twp Road Allotment Gas Tax	378,264	442,343	452,000	471,541	495,000
5330 State Grants - Disaster Funds	162,519	-	-	-	-
5425 Federal Grants - FEMA	-	-	-	114,348	-
5430 Federal FHWA - ER Funds	-	-	-	-	-
5840 Misc. Refunds and Reimbursements	54,979	71,442	40,000	762	40,000
5846 State-aid: Town Bridge Funds	32,706	-	-	-	20,000
5848 County Bridge Bonding	-	-	-	-	-
5850 State-aid: Regular Construction Funds	120,522	11,596	90,000	135,545	90,000
5851 State-aid: Municipal Construction Funds	-	-	10,000	-	10,000
5852 State-aid: Regular Maintenance Funds	1,840,288	1,972,469	1,970,000	995,421	2,079,800
5853 State-aid: Municipal Maintenance Funds	107,725	127,242	130,000	58,381	120,000
5854 Township/City/Public Drainage Ditch Receipts	347,125	340,354	269,500	38,803	335,000
5855 Individual Receipts	14,466	43,276	11,430	15,043	13,430
5857 Culverts (Individual) Receipts	4,488	1,729	2,000	5,620	2,000
5866 Auction Receipts	4,946	3,769	2,000	-	3,000
5881 Wetland Bank Credits	51,708	11,528	-	25,116	-
5949 Transfer from Fund Balance	-	-	350,000	-	200,000
Total Revenue:	\$ 4,504,695	\$ 4,441,372	\$ 4,563,099	\$ 2,008,926	\$ 4,769,697

Highway Department Operations Budget Fund 003

Department 301 (Administration) Expenditures:

	2017 Actual	2018 Actual	Adopted 2019 Budget	2019 As of 6-30-19	Proposed 2020 Budget
6101 Salaries, Full Time	340,123	349,453	342,407	172,951	357,994
6102 Salaries, Part Time	-	-	-	-	
6108 Meals Reimbursed	142	64	200	33	150
6109 Overtime	-	-	-	-	
6124 Medicare - Employer (1.45%)	4,602	4,791	4,965	2,352	5,191
6148 Employer Deductible Contribution- H.S.A.	12,209	12,379	12,040	6,190	12,040
6150 Health Insurance - Employer	46,136	47,570	48,621	24,257	51,426
6152 Life Insurance - Employer	215	215	294	162	317
6154 Long Term Disability - Employer	744	692	669	324	739
6159 PERA - Employer	23,805	24,554	24,755	12,509	25,924
6165 FICA - Employer (6.2%)	19,439	20,182	21,229	10,055	22,196
6205 Postage	796	1,796	1,000	648	1,200
6234 Background Checks	-	-	-	-	
6240 Dues	2,960	3,010	3,050	3,060	3,070
6241 Registration Fees/Prof. Serv./Printing	1,764	1,716	1,500	1,137	1,500
6296 Meeting Expenses	1,643	3,557	2,000	1,236	2,000
6300 Service Contracts	12,183	9,965	13,490	3,861	13,790
6352 Insurance	12,854	46,737	49,129	51,324	52,800
6353 Workers Compensation Insurance	5,241	4,722	5,113	5,114	5,250
6400 Supplies and Materials	4,774	5,481	5,000	2,251	5,000
Total Administration Expenditures:	\$ 489,631	\$ 536,884	\$ 535,462	\$ 297,461	\$ 560,587

Highway Department Operations Budget Fund 003

Department 302 (Engineering) Expenditures:

	2017 Actual	2018 Actual	Adopted 2019 Budget	2019 As of 6-30-19	Proposed 2020 Budget
6101 Salaries	255,159	272,451	325,420	164,736	389,715
6102 Salaries, Part Time	6,640	7,181	7,457	-	-
6108 Meals Reimbursed	31	84	100	36	100
6109 Overtime	30,240	37,949	42,903	4,372	47,962
6124 Medicare - Employer (1.45%)	4,117	4,470	5,448	2,372	6,347
6148 Employer Deductible Contribution- H.S.A.	2,260	2,260	2,260	1,130	2,260
6150 Health Insurance - Employer	53,689	55,661	73,052	33,968	73,443
6152 Life Insurance - Employer	216	247	379	237	503
6154 Long Term Disability - Employer	168	155	521	95	1,072
6159 PERA - Employer	21,283	23,104	27,626	12,681	32,269
6165 FICA - Employer (6.2%)	17,606	19,112	23,298	10,144	27,135
6296 Meeting Expense/Physicals	363	4,951	2,500	5,320	5,000
6353 Workers Compensation Insurance	2,038	2,613	2,452	2,452	2,550
6411 Safety Footwear	269	278	725	130	725
6449 Engineering Supplies	2,831	8,497	6,000	3,358	6,000
6820 Health Insurance Fund	-	-	-	-	-
Total Engineering Expenditures:	\$ 396,910	\$ 439,013	\$ 520,141	\$ 241,032	\$ 595,081

Highway Department Operations Budget Fund 003

Department 303 (Road Maintenance) Expenditures:

	2017 Actual	2018 Actual	Adopted 2019 Budget	2019 As of 6-30-19	Proposed 2020 Budget
6101 Salaries, Full Time	941,805	924,350	977,957	480,998	1,049,470
6102 Salaries, Part Time	-	18,763	30,547	1,174	
6108 Meals Reimbursed	-	-	100	3	
6109 Overtime	34,772	44,080	49,900	37,424	52,562
6124 Medicare - Employer (1.45%)	13,749	13,783	15,350	7,275	15,979
6148 Employer Deductible Contribution- H.S.A.	5,248	2,260	2,260	1,130	2,260
6150 Health Insurance - Employer	225,842	241,561	246,212	118,668	259,923
6152 Life Insurance - Employer	975	970	1,384	705	1,585
6154 Long Term Disability - Employer	319	261	2,127	173	2,836
6159 PERA - Employer	71,760	71,657	77,087	38,356	81,126
6165 FICA - Employer (6.2%)	58,790	58,935	65,622	31,106	68,328
6254 Utilities	49,996	51,260	55,000	26,636	55,000
6296 Meeting Expense/Physicals	2,244	2,936	2,000	1,889	2,000
6297 Shop Fuel	14,722	21,137	17,000	19,794	20,000
6298 Shop Maintenance and supplies	50,837	53,477	54,000	18,600	54,000
6352 Insurance	4,758	4,470	5,297	5,297	5,450
6353 Workers Compensation Insurance	60,691	56,469	48,441	48,441	49,900
6411 Safety Footwear	1,820	2,028	2,465	833	2,465
6513 Motor Fuel and Lubricants	200,419	207,268	222,400	108,771	226,480
6514 Pavement Striping	49,301	60,269	46,355	-	52,265
6515 Culverts	36,470	41,339	30,000	52,729	37,000
6516 Signs and Posts	7,384	9,021	12,000	9,599	15,000
6517 Asphalt, Crack Sealant, Etc	25,857	1,380	30,000	36,583	54,000
6518 De-icing Salt	117,883	69,914	96,260	50,998	144,400
6519 Gravel & Royalty	198,107	26,642	130,000	-	120,000
6520 Calcium Chloride	244,915	198,819	196,488	-	240,000
6521 Other Maintenance Supplies/Services(Road only)	26,602	57,313	355,000	23,049	225,000
6524 Sand for Salt Mixture	19,121	17,557	30,000	-	25,000
6590 Repair and Maintenance of Equipment	285,382	293,533	225,000	147,075	225,000
6820 Approach Deposit Refund	-	-	-	-	
6825 Municipal Maintenance Agreements	36,314	43,705	32,000	31,472	32,000
6830 Twp Road Allotment Gas Tax	378,264	442,343	452,000	471,541	495,000
Total Road Maintenance Expenditures:	\$ 3,164,345	\$ 3,037,499	\$ 3,510,252	\$ 1,770,316	\$ 3,614,029
Grand Total Operations Expenditures:	\$ 4,050,886	\$ 4,013,396	\$ 4,565,855	\$ 2,308,809	\$ 4,769,697

Highway Department Capital Equipment and Facilities Budget Fund 308

	2017 Actual	2018 Actual	Adopted 2019 Budget	2019 As of 6-30-19	Proposed 2020 Budget
Revenue:					
5001 Taxes, Aids, etc.	555,200	571,600	605,000	605,000	616,400
5840 Miscellaneous Receipts	-	-	-	-	
Total Revenue:	\$ 555,200	\$ 571,600	\$ 605,000	\$ 605,000	\$ 616,400
 Expenditures:					
6600 Capital Outlay - Facilities	20,938	-	110,000	8,216	100,000
6600 Capital Outlay - Equipment	105,878	371,948	495,000	652,438	516,400
Total Expenditures:	\$ 126,816	\$ 371,948	\$ 605,000	\$ 660,654	\$ 616,400

ADMIN

Atkin County Highway Department

EQUIPMENT DESCRIPTION	SERIAL # MILEAGE	AQ. DATE	PROJ. LIFE	2020	2021	2022	2023	2024	5 YEAR TOTAL	FUNDING SOURCE	COMMENTS
		AQ. COST									
Unit #621 Office Desks - Acct & Office Assistant		11/30/94 \$ 2,754.09	20								
Unit #631 Office Furniture - Engineer		03/06/00 \$ 3,031.74	10								
Unit #632 Office Furniture - Asst Engineer		03/06/00 \$ 2,323.78	10								
Unit #633 Office Furniture - ROW/Permit Agent		03/06/00 \$ 2,126.53	10								
Unit #635 Conference Room Furniture		02/02/01 \$ 2,642.74	10								
Unit #637 Office Furniture - Surveyor		1/31/2003 \$ 1,385.64	10								
Unit #644 Computer - Maintenance Foremen		08/21/15 \$ 905.00	4								
Unit #646 NEC Projector		11/27/2007 \$ 1,261.73	0								
Unit #648 Engineer Tech Desks/Chairs		5/22/2008 \$ 2,896.81	5								
Unit #652 (John) Laptop Thinkpad W500- Engineer		12/28/17 \$ 2,089.07	4								
Unit #653 (Carol) Office Assistant Computer		11/13/2014 \$ 905.00	4					1,300	1,300		\$1.4k in 2018
Unit #657 (John) Engineer Computer		7/2/2018 \$ 1,376.00	4				1,300		1,300		\$1.4k in 2017
Unit #658 (Sarah) Accountant Computer		12/7/2016 \$ 910.00	4		1,200				1,200		
Unit #659 (Conrad) ROW/Permit Agent Computer		12/7/2016 \$ 1,288.00	4		1,200				1,200		
Unit #660 (Mike) Asst. Engineer Computer		12/07/16 \$ 1,286.00	4		1,200				1,200		
Unit #785 NewRoads ACS Software		10/1/2013 \$ 9,084.38	30								
Assistant Maint Supervisor Computer			5	1,200					1,200		
Total:				\$ 1,200	\$ 3,600	\$ -	\$ 1,300	\$ 1,300	\$ 7,400	R&B levy	

ATV

Aitkin County Highway Department

EQUIPMENT DESCRIPTION	SERIAL # MILEAGE	AQ. DATE AQ. COST	PROJ. LIFE	5 YEAR					FUNDING SOURCE	COMMENTS	
				2020	2021	2022	2023	2024			TOTAL
Unit #13 2011 Polaris 500 Ranger ATV	4XARH50A6BB070008 1,916 miles	4/15/2011 \$ 9,894.94	08								
Unit #720: 1998 Polaris ATV	4XAACH2A2WB052100 1,941 miles	05/13/98 \$ 4,897.94	8								
Total:				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	R&B levy	

BELLY DUMPS

Aitkin County Highway Department

EQUIPMENT DESCRIPTION	SERIAL # MILEAGE	AQ. DATE AQ. COST	PROJ. LIFE	5 YEAR					FUNDING SOURCE	COMMENTS	
				2020	2021	2022	2023	2024			TOTAL
Unit #499 Red River Belly Dump	1R9BD423XS1051056 151,840 miles	05/04/95 \$ 26,417.80	20				70,000		70,000		tractor & belly dump trailer
Unit #500: Ranco Belly Dump	1R9BSE608PL008911 250,058 miles	01/14/94 \$ 28,235.00	20	70,000					70,000		tractor & belly dump trailer
Unit #501: Red River Belly Dump	4ZYBD42311000233 119,691 miles	05/22/01 \$ 28,462.32	20								
Total:				\$ 70,000	\$ -	\$ -	\$ 70,000	\$ -	\$ 140,000	R&B levy	

CONST
Aitkin County Highway Department

EQUIPMENT DESCRIPTION	SERIAL # MILEAGE	AQ. DATE AQ. COST	PROJ. LIFE	2020	2021	2022	2023	2024	5 YEAR TOTAL	FUNDING SOURCE	COMMENTS
Unit #435: (Drill Rig) 1986 Ford Pickup	1FTEF26N9GP886481 135.102 miles	02/20/96 \$ 5,872.50	05						-		
Unit #709: Pin Finder Locator FT150	45B9086F	01/01/89 \$ 500.00	10						-		
Unit #711: Concrete Air Tester	P116	04/07/95 \$ 575.18	20						-		
Unit #718: Laser Level	14165	06/06/97 \$ 2,337.68	10						-		
Unit #726: Course Sieve Shaker		06/19/01 \$ 3,522.26	5						-		
Unit #727 Digital Scale		03/27/02 \$ 1,452.00	5						-		
Unit #731 One Office DataBase/Egram		9/2/2005 \$ 15,763.93	10						-		
Unit #738 HP Laserjet 5200 DTN Printer		11/27/2012 \$ 2,396.00	8						-		
Unit #739 Autocad Civil 3D 2017		1/12/2017 \$ 41,224.62	5						-		
Unit #740 Trimble Survey Equipment 2019	5834F00202	5/28/2019 \$ 67,863.01	8						-		
Unit #769 Toughbooks #1		9/21/2011 \$ 1,757.03	5						-		\$1,400 in 2017
Unit #772 IPAD - Sign Truck		9/2/2015 \$ 930.97	4	1,200					1,200		
Unit 776 Extra Engineer Station Computer		5/13/2009 \$ 1,039.44	4						-		
Unit #777 Nikon Auto Level		6/3/2009 \$ 1,050.94	1						-		
Unit #778 E-TimeCard		12/24/2009 \$ 9,570.00							-		
Unit #783 Surveyor Computer		10/31/2012 \$ 1,432.96	4						-		
Unit #784 Engineer Tech Computer #5		4/14/2013 \$ 1,159.59	4						-		\$1.4K in 2018
Unit #786 Eng. Tech Desktop Computers - 4		1/1/2018 \$ 6,664.36	4				7,000		7,000		
Unit #787 Eng. Tech Laptop's - 4		1/1/2018 \$ 7,210.80	4					7,000	7,000		
Total:				\$ 1,200	\$ -	\$ -	\$ 7,000	\$ 7,000	\$ 15,200	R&B levy	

DUMP TRUCKS

Aitkin County Highway Department

EQUIPMENT DESCRIPTION	SERIAL # MILEAGE	AQ DATE AQ COST	PROJ. LIFE	5 YEAR					FUNDING SOURCE	COMMENTS	
				2020	2021	2022	2023	2024			TOTAL
Unit #126: (Swatara - Florian) 2000 Ford Single Axle	2FZHJBB0YAB12881 102,647 miles	10/22/99 \$ 89,105.34	08		195,000				195,000		acquire in 2021
Unit #127: (Spare) 2000 Ford Single Axle	2FZH0JBB2YAB12882 111,720 miles	10/22/99 \$ 93,834.69	08						-		Keep as spare.
Unit #128: (Palisade - Greg) 2001 Sterling LT9511	2FZHAZAS31AJ37253 285,862 miles	04/17/01 \$ 110,632.06	08		95,000	105,000			200,000		acquire in 2021
Unit #131: (McGrath - Ben) 2001 Sterling LT9511	2FZHAZAS91AJ37256 199,217 miles	04/17/01 \$ 109,972.80	08			200,000			200,000		acquire in 2021
Unit #135: (Aitkin - Josh) 2012 International Tandem	1HTGRSJT1CJ634654 137,466 miles	2/13/2012 \$ 180,115.33	8						-		acquire in 2024
Unit #136: (Aitkin - Randy) 2012 International Tandem	1HTGRSJT1CJ634655 140,466 miles	2/13/2012 \$ 180,115.32	8					210,000	210,000		acquire in 2024
Unit 137 (Scott - McGregor) 2012 International Tandem	1HTGRSJT1CJ634656 99,832 miles	2/13/2012 \$ 181,526.21	8					210,000	210,000		acquire in 2024
Unit 138 (Aitkin - Al) 2012 International Tandem	1HTGRSJT1CJ634657 117,186 miles	2/13/2012 \$ 181,837.07	8						-		acquire in 2024
Unit 139 (McGregor - Ben) 2016 Mack GU 713	1M2AX09C5GM031563 52,969 miles	11/25/2015 \$ 182,454.37	8						-		
Unit 140 (Palisade - Gary) 2016 Mack GU 713	1M2AX09C7GM031564 39,323 miles	11/25/2015 \$ 182,454.37	8						-		
Unit 141 (McGrath - Randy) 2016 Mack GU 713	1M2AX09C9GM031565 42,987 miles	11/25/2015 \$ 182,454.37	8						-		
Unit 142 (Jacobson) 2010 Mack GU812 Single Axle	1M2AX11C0AM001296 92,912 miles	10/30/2018 \$ 93,234.00	8						-		
Unit 143 (Palisade - Don) 2019 Mack GR64F	1M2GR3C1KM011697 2,290 miles	5/2/2019 \$ 192,262.32	8						-		
Unit 144 (Aitkin - Rick) 2020 Mack GR64F	1M2GR3GC1LM011698 1,663 miles	5/2/2019 \$ 192,262.32	8						-		
Unit 145 (McGregor - Dave) 2019 Mack GR64F	1M2GR3GC5KM011699 2,254 miles	5/2/2019 \$ 192,262.32	8						-		
Total:				\$ -	\$ 290,000	\$ 305,000	\$ -	\$ 420,000	\$ 1,015,000	R&B levy	

LOADERS

Aitkin County Highway Department

DESCRIPTION	SERIAL # MILEAGE	AQ. DATE AQ. COST	PROJ. LIFE	2020	2021	2022	2023	2024	5 YEAR TOTAL	FUNDING SOURCE	COMMENTS
Unit #010 Case 1840 Skidsteer	JAF 0046781 1,847 hours	06/30/91 \$ 14,320.00	5								
Unit #020 Bobcat Skidsteer	519025062 1,731 hours	8/21/2009 \$12,500	6								
Unit #366: John Deere Tractor-Loader	4S6575 7,625 hours	06/01/85 \$ 27,895.00	07								
Unit #371 (Aitkin) John Deere 624J Loader	DW624J2620150 2,865 hours	5/15/2008 \$ 102,623.40	10								
Unit #386: (Swatara) JD 410E Wheel Loader Backhoe	T0410EX885689 258 hours	11/21/2013 \$ 30,459.38	10								
Unit #389: (Jacobson) Ford Loader/Backhoe	A428046 3,293 hours	11/01/94 \$ 49,456.05	10			50,000			50,000		
Unit #391: (Palisade) Cat 938F Loader	1KM02373 5,117 hours	06/09/97 \$ 121,976.00	10		140,000				140,000		
Unit #397 (McGrath) John Deere Loader/Backhoe	T0310SG927807 2,587 hours	12/22/2003 \$ 45,382.85	12								
Unit #398 (McGregor) John Deere 624J Loader	DW624JZ591593 2,671 hours	4/8/2004 \$ 114,444.90	12								
Total:				\$ -	\$ 140,000	\$ 50,000	\$ -	\$ -	\$ 190,000	R&B levy	

MAINT

Aitkin County Highway Department

EQUIPMENT DESCRIPTION	SERIAL # MILEAGE	AQ. DATE AQ. COST	PROJ. LIFE						5 YEAR TOTAL	FUNDING SOURCE	COMMENTS
				2020	2021	2022	2023	2024			
Unit #016 Stow VPC60E Plate Compactor	9301000	10/01/83 \$ 1,618.80	08								
Unit #018 Graco Pavement Marker	3003	06/17/94 \$ 6,704.18	08								
Unit #019 Roscoe SweepPro	4820-44017 2,041 hours	3/21/2006 \$ 30,625.14	10			70,000			70,000		
Unit #041 2014 Cimline 230DH Gen IV Melter	752 hours	3/26/2015 \$ 36,495.00	5								
Unit #042 Ingersoll Rand Compressor	327329UBM288 1,121 hours	02/26/02 \$ 11,762.93	5								
Unit #43 Pavement Compactor CATCB24	24001325 486 hours	10/15/2012 \$ 27,787.50	10								
Unit #048 Hydro Tek Steamer	201400566	3/13/2014 \$ 6,478.90	08								
Unit #50 STEPP Pothole Patch Trailer	4S9PH15Y1ES127059 752 hours	5/29/2014 \$ 15,572.00	8								
Unit #066 Honda Water Pump		8/15/2003 \$ 2,628.51	5		4,000				4,000		
Unit #067 Puil-type Pneumatic Roller	190604	11/15/2004 \$ 11,162.50	5								
Unit #096 All American Disk	105DH	12/11/95 \$ 4,473.00	07								
Unit #098 Ford Tandem Wheel Disc		07/25/88 \$ 1,600.00	04								
Unit #300 PT100G Terex Track Brush Machine	ASVPT100LDWF00338 1,570 hours	6/27/2011 \$ 71,832.83	10				80,000		80,000		
Unit #304 Ulrich Shoulder Mach		06/30/86 \$ 6,000.00	10	20,000					20,000		\$10k in 2017, \$15k in 2019
Unit #369 Self-propelled Steel Drum Roller	3TM01311 2,053 hours	11/16/2004 \$ 43,665.00	5								
Unit #370 Cat 312 Excavator	CBA04594 7,083 hours	1/22/2008 \$ 119,667.30	10	110,000					110,000		
Unit #399 Caterpillar D5NLGP Dozer	ADK01236 3,148 hours	12/29/2004 \$ 107,649.54	12								
Unit #498 Water Tanker Trailer	OMA102901	6/11/2003 \$ 2,500.00	2		5,000				5,000		Replace with dump box tank 2021
Total:				\$ 130,000	\$ 9,000	\$ 70,000	\$ 80,000	\$	\$ 289,000	R&B levy	

MOTOR GRADERS
Aitkin County Highway Department

EQUIPMENT DESCRIPTION	SERIAL # MILEAGE	AQ. DATE AQ. COST	PROJ. LIFE	5 YEAR					FUNDING SOURCE	COMMENTS	
				2020	2021	2022	2023	2024			TOTAL
Unit 200 (McGregor) Caterpillar 120M Motor Grader	CAT0120MJD9W00208 4,295 hours	2/28/2013 \$ 193,743.00	15		30,000				30,000		Add wing
Unit 201 (McGrath - Randy) Caterpillar 120M Motor Grader	CAT0120MPD9W00206 3,122 hours	2/28/2013 \$ 193,743.00	15								
Unit 205: (Swatara) 2016 John Deere 670GP	1DW670GPCGF678041 1,198 hours	11/17/2016 \$ 208,090.00	15								
Unit #206: (McGrath-Ben) 2016 John Deere 670GP	1DW670GPAGF678048 1,602 hours	11/17/2016 \$ 208,090.00	15								
Unit #209: (Spare) Cat 140G Motor Grader	72V9886:Rebuilt'99 17,858 hours	06/15/87 \$ 151,794.91	5								Trade in with Unit #212 in 2020
Unit #211: (Jacobson) Cat 140G Motor Grader	72V11844: Rebuilt '06 15,150 hours	04/19/89 \$ 118,166.00	7				230,000		230,000		
Unit #212: (Aitkin) Cat 140G Motor Grader	72V11903:Rebuilt '04 21,140 hours	04/19/89 \$ 126,506.00	7	220,000					220,000		Acquire with wing.
Unit #213: (Palisade) CAT 120M2 Motor Grader	CAT0120MKM9C01011 323 hours	11/27/2018 \$ 207,780.00	7								
Total:				\$ 220,000	\$ 30,000	\$ -	\$ 230,000	\$ -	\$ 480,000	R&B levy	

PICKUPS
Aitkin County Highway Department

EQUIPMENT DESCRIPTION	SERIAL # MILEAGE	AQ. DATE AQ. COST	PROJ. LIFE	5 YEAR TOTAL					FUNDING SOURCE	COMMENTS	
				2020	2021	2022	2023	2024			
Unit #440: (Mower) 1999 Ford Pickup	1FTSF30S7XEE77886 233,375 miles	06/24/99 \$ 27,307.66	05								
Unit #448 (former eng. maint) 2004 Ford F-150 4x4	2FTRF18W04CA57284 118,898 miles	9/9/2004 \$ 18,264.12	5	24,000					24,000		
Unit #453 (Maint.) (w/tn lift) 2008 Ford F-250	1FTNF215X8ED 108,785 miles	1/2/2008 \$ 21,153.03	5				30,000		30,000		
Unit #454 (Randy) 2008 Ford F-150	1FTRX14W58FC 100,410 miles	5/13/2008 \$ 20,588.85	5			26,000			26,000		
Unit #456 (Maint.) 2008 Ford F-350 Flatbed	1FDWF36Y88EE41635 62,198 miles	8/21/2008 \$ 25,893.33	5				30,000		30,000		Replace w/Crew Cab
Unit #458 (McGregor) 2010 Ford F150 CrewCab	1FTW1E82AFC37178 89,220 miles	5/21/2010 \$ 26,065.86	5				26,000		26,000		
Unit #459 (Tech) 2010 Ford F150	1FTEX1E81AKE10754 46,485 miles	5/14/2010 \$ 23,704.75	5								
Unit #460 (Survey) 2011 Ford F350 SD	1FD8W3B66BEA79874 95,941 miles	8/4/2010 \$ 39,336.40	5					45,000	45,000		
Unit #462 (Swatara) 2012 Chevy 4DR Ext.	1GC2KXC3CZ177243 191,362 miles	12/19/2011 \$ 24,912.00	5				16,000		16,000		\$17k shown in 2018 for Unit #457
Unit 464 (Conrad) 2008 Ford F150 Ext Cab	IDRPX12VX8FB81383 47,770 miles	8/4/2012 \$ 12,000.00	5					26,000	26,000		
Unit# 465 (Mechanic) 2012 Chevy Mechanic Truck	1GB3KZCG1CF120836 134,429 miles	10/15/2012 \$ 55,726.00	5	35,000	23,000				58,000		consider diesel
Unit #466 (Paul K) 2014 Ford F-150	1FTEX1EM3EKE13609 31,014 miles	04/10/2014 \$ 25,362.88	8								
Unit #467 (Quale) 2007 Ford F-150 4x4 Styleside	1FTPW14V37KC86787 121,379 miles	7/6/2015 \$ 16,997.50	5		24,000				24,000		
Unit #468 (McGratn) 2007 Ford F-150	1FTPX14V37KD14388 111,704 miles	10/6/2015 \$ 17,895.95	5				20,000		20,000		
Unit #469: (Jacobson Shop) 2005 Ford F150	1FTRF145X5NA52845 102,926 miles	3/23/2016 \$ 12,795.75	5				20,000		20,000		
Unit #470 (Palisade Shop) 2006 GMC Sierra 150	1GTEK19B26Z186669 104,518 miles	5/26/2016 \$ 16,867.75	5					20,000	20,000		
Unit #471 (Sign Truck) 2017 Ford F-450 Super Duty	1FOUF4GY5HED18824 43,087 miles	5/12/2017 \$ 47,292.13	5								
Unit #472 (Bulch) 2018 Ford F-250 SuperDuty	1FT7X2B63JEC64325 30,232 miles	6/5/2018 \$ 26,631.91	5					30,000	30,000		
Unit #473 (Scott) 2018 Ford F-250 SuperDuty	1FT7X2B61JEC64324 31,032 miles	6/11/2018 \$ 33,554.41	5				30,000		30,000		
Total:				\$ 59,000	\$ 47,000	\$ 26,000	\$ 172,000	\$ 121,000	\$ 425,000	R&B levy	0.00

SHOP

Aitkin County Highway Department

EQUIPMENT DESCRIPTION	SERIAL # MILEAGE	AQ. DATE AQ. COST	PROJ. LIFE	5 YEAR					FUNDING SOURCE	COMMENTS	
				2020	2021	2022	2023	2024			TOTAL
Unit #801: Hydraulic Hoist		04/14/94 \$ 5,458.13	10	35,000						35,000	
Unit #802: Airco Welder Outfit	DH911005	01/01/80 \$ 1,758.88	10							-	
Unit #804: (Aitkin) Pressure Washer	118215	01/01/80 \$ 750.49	10							-	
Unit #806: John Deere Snowblower	TY0522A003004	01/11/76 \$ 800.00	10							-	
Unit 807: Sears Portable Generator		03/17/95 \$ 1,124.24	10							-	
Unit #809: Plasma Cutter		1/12/2007 \$ 2,343.00	4							-	
Unit #810: Husqvarna Mower	610 hours	5/27/2009 \$ 4,260.00	4		5,000					5,000	
Unit #811: Husqvarna Chop Saw K760		9/11/2013 \$ 1,916.92	4							-	
Unit #812: AC/DC 225/115 Welder		6/12/2018 \$ 701.87	1							-	
Unit #813: Power Mig 256 Mig Welder		6/12/2018 \$ 2,483.40	1							-	
Total:				35,000	5,000					40,000	

TRACTORS

Aitkin County Highway Department

EQUIPMENT DESCRIPTION	SERIAL # MILEAGE	AQ. DATE AQ. COST	PROJ. LIFE	5 YEAR					FUNDING SOURCE	COMMENTS	
				2020	2021	2022	2023	2024			TOTAL
Unit #350 (Aitkin) John Deer Tractor/Mower	L06430H520378 6,118 hours	4/19/2007 \$ 75,268.00	10			75,000				75,000	
Unit #351: New Holland Tractor Mower	NT01172M 1,131 hours	10/6/2016 \$ 66,121.56	10							-	
Unit 394: (Palisade) John Deere Tractor/Mower	L06420H392431 6,730 hours	01/29/02 \$ 62,878.12	10							-	\$85k in 2018, \$25k in 2019
Total:				\$ -	\$ -	\$ 75,000.00	\$ -	\$ -	\$ -	\$ 75,000.00	R&B levy

TRAILERS

Aitkin County Highway Department

EQUIPMENT DESCRIPTION	SERIAL # MILEAGE	AQ. DATE	PROJ. LIFE	2020	2021	2022	2023	2024	5 YEAR TOTAL	FUNDING SOURCE	COMMENTS
		AQ. COST									
Unit #028 (Dozer) Felling Trailer	5FTDA292871027973	6/21/2006 \$ 15,819.88	8						-		
Unit #029 (Skid Loader) Felling Trailer	1F9FS1425M1072074	05/08/91 \$ 9,400.00	08		8,000.0				8,000		
Unit #031 Survey Trailer	4P5671213B2160170	4/1/2011 \$ 1,760.25	08						-		
Unit #032 (McGrath) Felling Trailer	5FTDA242321017075	06/07/01 \$ 11,988.86	08			30,000			30,000		
Unit #033 Homemade Culvert Trailer	DPWMN890722	01/01/90 \$ -	05						-		
Unit #034 (Jacobson) Towmaster Trailer	2471	06/21/88 \$ 10,705.35	08				32,000.0		32,000		
Unit #035 Homemade 6X8 Trailer	DPSMN890723	03/14/86 \$ 100.00	08						-		
Unit #051 (Trackhoe) Towmaster Trailer T-50	4KNFT2431EL162184	05/30/2014 \$ 26,005.96	10						-		
Unit #52 Continental Cargo 6x10 Trailer	5NHUVH019FN079008	4/14/2016 \$ 3,243.93	10						-		
Unit #97 (pipe trailer) Home Made Trailer	DSPMN890724	03/10/89 \$ 694.34	08						-		
Total				\$ -	\$ 8,000.00	\$ 30,000.00	\$ -	\$ 32,000.00	\$ 70,000.00	R&B levy	
Grand Total Capital Equipment:				\$ 516,400	\$ 532,800	\$ 556,000	\$ 560,300	\$ 581,300	\$ 2,746,600		

Aitkin Area Maintenance Facility:

- constructed 1975
- addition constructed in 2000

DESCRIPTION	PROJ LIFE	2020	2021	2022	2023	2024	5 YEAR TOTAL	FUNDING SOURCE	COMMENTS
Office Renovation/ Addition		100,000	70,000	30,000			200,000		\$465k total budgeted in 2014-2019, 2020 const.
Diesel Fuel Tank Replacement				50,000	50,000		100,000		Installed 1983, Replace 2022
Total:		\$ 100,000	\$ 70,000	\$ 80,000	\$ 50,000	\$ -	\$ 300,000		

Jacobson Area Maintenance Facility

- constructed 1992
- \$106,741 construction cost

DESCRIPTION	PROJ LIFE	2020	2021	2022	2023	2024	5 YEAR TOTAL	FUNDING SOURCE	COMMENTS
							-		
Total:		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		

McGrath Area Maintenance Facility

- constructed 1973
- \$59,556 construction cost

DESCRIPTION	PROJ LIFE	2020	2021	2022	2023	2024	5 YEAR TOTAL	FUNDING SOURCE	COMMENTS
Diesel Fuel Tank Replacement						50,000	50,000		Installed 1988, Replace 2026
Total:		\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 50,000		

McGregor Area Maintenance Facility

- constructed 1974
 - \$60,716 construction cost

DESCRIPTION	PROJ LIFE	2020	2021	2022	2023	2024	5 YEAR TOTAL	FUNDING SOURCE	COMMENTS
Diesel Fuel Tank Replacement							0		Installed 1988, Replace 2026
							0		
Total:		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		

Palisade Area Maintenance Facility

- constructed 2004
 - \$390,865 construction cost

DESCRIPTION	PROJ LIFE	2020	2021	2022	2023	2024	5 YEAR TOTAL	FUNDING SOURCE	COMMENTS
Cold Storage Building			30000	30000			60,000		
Total:		\$ -	\$ 30,000	\$ 30,000	\$ -	\$ -	\$ 60,000		

Swatara Area Maintenance Facility

- constructed 2006
 - \$408,807 construction cost

DESCRIPTION	PROJ LIFE	2020	2021	2022	2023	2024	5 YEAR TOTAL	FUNDING SOURCE	COMMENTS
							-		
							-		
Total:		\$0	\$0	\$0	\$0	\$0	\$0		
Grand Total									
Capital Facilities:		\$100,000	\$100,000	\$110,000	\$50,000	\$50,000	\$410,000		

Highway Department Capital Infrastructure Budget Fund 307

	2017 Actual	2018 Actual	Adopted 2019 Budget	2019 As of 6-30-19	Proposed 2020 Budget
Revenue:					
5001 Taxes, Aids, etc.	600,000	600,000	600,000	600,000	600,000
5840 Misc. Receipts	-	102,750	-	-	-
5841 Federal Transportation Funds	-	810,071	124,000	9,201	-
5842 State Park Funds	-	378,181	-	-	-
5844 State-aid Disaster Funds	-	-	-	-	-
5846 Town Bridge Funds	17,619	91,470	40,000	157,548	245,000
5848 State Bonding Funds	-	-	-	-	-
5849 LRIP (Local Road Improvement Funds)	-	-	-	-	-
5850 State-aid Regular Construction Funds	2,924,199	952,806	3,541,000	630,764	2,779,700
5851 State-aid Municipal Construction Funds	186,972	177,491	20,000	8,182	160,000
5854 Township/City/Private/Other Funds	20,000	-	-	-	30,500
5864 Trunk Highway Turnback	-	-	70,000	-	-
5865 DEED Money	-	-	-	-	-
5947 Transfer from Fund Balance	-	-	-	-	512,500
Total Revenue:	\$ 3,748,789	\$ 3,112,769	\$ 4,395,000	\$ 1,405,695	\$ 4,327,700
Expenditures:					
6230 Printing and Publishing	520	528	1,000	1,133	1,700
6260 Professional Services	71,935	113,142	260,000	24,061	96,000
6262 Contract Payments	4,979,771	5,835,449	3,574,000	408,016	3,813,000
6295 Utility Moves	140,848	-	30,000	-	-
6362 Right of Way	62,389	82,025	50,000	244,734	417,000
6311 Transfer to Fund Balance	-	-	477,244	-	-
Total Expenditures:	\$ 5,255,463	\$ 6,031,144	\$ 4,392,244	\$ 677,945	\$ 4,327,700

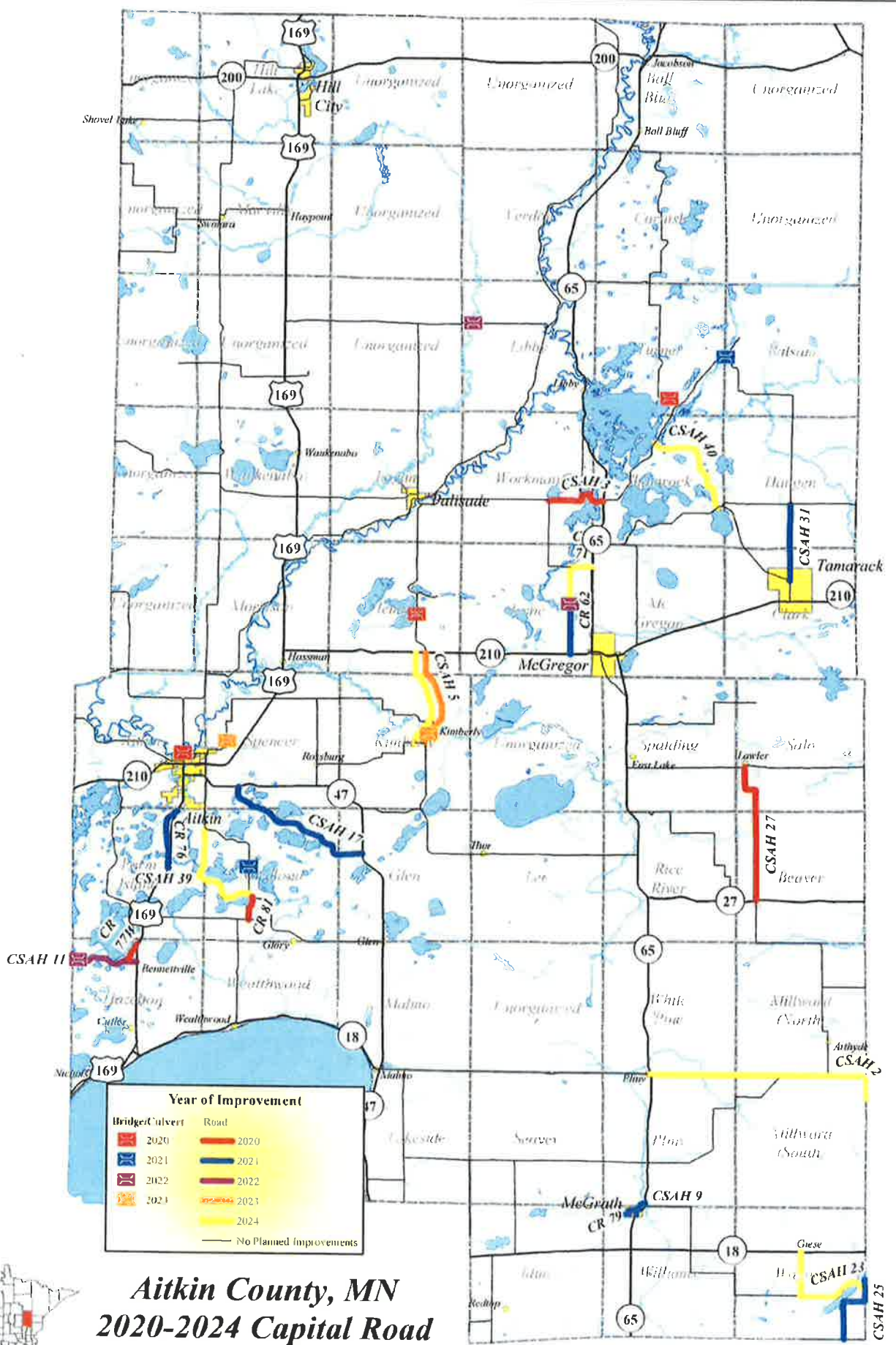
Notes: Revenue line item 5001 based on proposed 2019-2023 Capital Road Improvement Program average per year.

2020 Disbursements						2020 Receipts									Notes
Project	Printing and Publishing	Professional Services	Contract Payments	Utility Moves	Right of Way	Property Tax Revenue	Federal Transportation Funds	State Park Funds	State-aid Disaster Funds	Town Bridge Funds	State Bond Funds	State-aid Regular Construction	State-aid Municipal Construction	Township/City/State/Other Funds	
2019 Projects															
S.A.P. 001-603-019	\$ 100	\$ 10,000	\$ 725,000									\$ 735,100			
S.A.P. 001-610-030	\$ 100	\$ 6,000	\$ 475,000									\$ 481,100			
S.A.P. 001-616-007															\$1,374,200 budgetted previous years
S.A.P. 001-625-001			\$ 100,000		\$ 112,000							\$ 212,000			\$1,553,200 budgetted previous years
S.A.P. 001-641-002			\$ 160,000										\$ 160,000		
C.P. 001-070-001		\$ 2,000	\$ 230,000			\$ 232,000									
S.P. 001-070-005			\$ 8,000									\$ 8,000			\$138,200 budgetted previous years (072-
S.P. 001-070-006															\$128,200 budgetted previous years
2020 Projects															
S.A.P. 001-601-021	\$ 300	\$ 20,000	\$ 400,000									\$ 420,300			
S.A.P. 001-603-018		\$ 20,000	\$ 500,000		\$ 125,000							\$ 645,000			\$2,960,200 budgetted previous years
S.A.P. 001-605-013		\$ 4,000	\$ 10,000									\$ 14,000			\$169,200 budgetted previous years
S.A.P. 001-636-004	\$ 200	\$ 4,000	\$ 60,000									\$ 64,200			
C.P. 001-027-001	\$ 200		\$ 800,000			\$ 800,200									
CR 77 chipseal	\$ 150		\$ 40,000			\$ 40,150									
CR 81 chipseal	\$ 150		\$ 40,000			\$ 40,150									
S.A.P. 001-599-041	\$ 250	\$ 5,000	\$ 115,000						\$ 105,000					\$ 15,250	
S.A.P. 001-599-042	\$ 250	\$ 5,000	\$ 150,000						\$ 140,000					\$ 15,250	
Future Projects															
S.A.P. 001-605-014		\$ 20,000										\$ 20,000			\$30,000 budgetted previous years
S.A.P. 001-611-003					\$ 175,000							\$ 175,000			\$30,000 budgetted previous years
S.A.P. 001-612-023															\$35,000 budgetted previous years
S.A.P. 001-614-014															\$5,000 budgetted previous years
S.A.P. 001-618-005					\$ 5,000							\$ 5,000			\$35,000 budgetted previous years
S.A.P. 001-598-014															\$35,000 budgetted previous years
S.A.P. 001-598-016															\$35,000 budgetted previous years
C.P. 001-076-001															\$355,000 budgetted previous years
Totals	\$ 1,700	\$ 96,000	\$3,813,000	\$ -	\$417,000	\$ 1,112,500	\$ -	\$ -	\$ -	\$245,000	\$ -	\$ 2,779,700	\$ 160,000	\$ 30,500	

Notes
Total professional service expenditures/revenues for a given project are listed in first anticipated year of the expenditure
Total right of way expenditures/revenues for a given project are listed in first anticipated year of the expenditure
Total contract, utility move, and printing and publishing expenditures/revenue are all listed in anticipated year of contract letting

Proposed 2020 through 2024 Capital Road Improvement Plan

	Length	Location	Pavement Age/RQI	Estimated Construction Cost
2020				
SAP 001-601-021 - CSAH 1 Bridge Rehabilitation	0.1	CSAH 1 over Mississippi River		\$ 400,000
S.A.P. 001-603-018 - CSAH 3 Reconstruction	3.2	6 miles east of CSAH 5 to TH 65	2001/1.7-1.8 ('17)	\$ 3,200,000
S.A.P. 001-605-013 - CSAH 5 Bridge (Culvert) Replacement	0.1	CSAH 5 over Fleming Lake inlet		\$ 179,182
CSAH 36 Culvert Replacement				\$ 60,000
CP 001-027-001 CSAH 27 Gravel Road Improvement	6.6			\$ 800,000
CR 77W Resurfacing (chip seal)	1.04		1999/2.3 ('17)	\$ 40,000
CR 81 Resurfacing (chipseal)	1.05		1999/3.1-3.3('17)	\$ 40,000
			Total:	\$ 4,719,182
2021				
SAP 001-609-004 - CSAH 9 Resurfacing	0.82		2003/2.2-2.4('17)	\$ 130,000
SAP 001-612-023 - CSAH 12 Bridge Replacement	0.2	CSAH 12 over Ripple River		\$ 600,000
SAP 001-614-014 CSAH 14 Bridge Replacement	0.2	CSAH 14 over Savanna River		\$ 370,000
SAP 001-617-004 - CSAH 17 Resurfacing	7.1		1997/3.1 ('17)	\$ 1,200,000
SAP 001-625-002 - CSAH 25 Bituminous Paving	3.3			\$ 1,200,000
SAP 001-631-003 - CSAH 31 Resurfacing	3.53		2002/2.4-2.5('17)	\$ 600,000
CP 001-062-004 - CR 62 Resurfacing	2.64	TH 210 to 435th Street	2002/2.6-2.8('17)	\$ 450,000
CP 001-076-001 - CR 76 Resurfacing/Culvert Replacement	2.82		1999/2.7 ('17)	\$ 700,000
CP 001-079-002 - CR 79 Resurfacing	0.48		2003/2.0-2.1('17)	\$ 80,000
			Total:	\$ 5,330,000
2022				
SP 001-611-003 - CSAH 11 Widening/Resurfacing/Bridge Replacement	3.2		2003/3.1-3.3 ('17)	\$ 3,400,000
SAP 001-618-005 - CSAH 18 Bridge Replacement	0.2	CSAH 18 over Willow River		\$ 975,000
SAP 001-598-014 - CR 62 Bridge Replacement	0.2	CR 62 over Sandy River		\$ 650,000
HSIP Pavement Markings				\$ 230,000
			Total:	\$ 5,255,000
2023				
SAP 001-605-014 - CSAH 5 Reconstruction (Grading and Agg. Base)	4.7	CR 53 to TH 210		\$ 2,500,000
CSAH 5 Bridge Replacement	0.1	CSAH 5 over Rice River		\$ 735,000
SAP 001-598-016 - CR 54 Bridge Replacement	0.5	CR 54 over Sissabagamah Creek		\$ 450,000
			Total:	\$ 3,685,000
2024				
CSAH 2 Resurfacing	10.4	TH 65 to Pine County Line		\$ 800,000
CSAH 5 Bituminous Paving	4.7	CR 53 to TH 210		\$ 1,800,000
CSAH 23 Resurfacing	5.3			\$ 380,000
CSAH 39 Resurfacing	5.1		1999/3.6('17)	\$ 375,000
SAP 001-640-003 - CSAH 40 Resurfacing	4.9		2002/3.0-3.1('17)	\$ 830,000
CR 62 Reconstruction (Grading and Agg. Base)	1.36	435th Street to CR 71		\$ 650,000
CR 71 Reconstruction (Grading and Agg. Base)	1			\$ 475,000
			Total:	\$ 5,310,000
Five Year Total:				\$ 23,586,937



Year of Improvement	
	2020
	2021
	2022
	2023
	2024
	No Planned Improvements

Aitkin County, MN 2020-2024 Capital Road Improvement Plan



Map prepared by Aitkin County GIS for graphic display purposes only.
Aitkin County assumes no liability for any errors, omissions or inaccuracies herein contained.



Project Selection Process

Identified improvements fall into one of four construction categories. Those categories, listed in priority order are as follows.

1. Bridge Replacement
2. Pavement Resurfacing/Shoulder Widening
3. Gravel Road Reconstruction to Paved Road Standards
4. Gravel Road Improvement

1. Bridge Replacement

Bridge replacement projects are selected based on calculated sufficiency ratings that are the result of bridge safety inspections conducted on each bridge under the County's jurisdiction. See attached listing of all local highway bridges in Aitkin County.

2. Pavement Resurfacing/Shoulder Widening

Pavement resurfacing projects are selected based on pavement condition data collected on a two-year frequency. See attached listing of Ride Quality Index (RQI) information for all of Aitkin County's paved highway segments.

In addition, observed pavement conditions and the geographical grouping of projects for lower construction prices are factors that determine when a resurfacing project is scheduled.

The specific type of pavement resurfacing project is determined during the design stage of the project based on the project's individual characteristics. Overlay, mill and overlay, reclaim and pave, and cold in-place recycle and pave are included in this construction category.

For segments that have deficient shoulder width, slopes, or culverts, additional work to correct these deficiencies may be added to the resurfacing project.

3. Gravel Road Reconstruction to Paved Road Standards

Projects in this category are programmed on existing gravel roads to reconstruct them as improved, paved highways. Projects are chosen based on a prioritization worksheet that ranks the various gravel road segments based on annual average daily traffic (AADT) count, residence density, functional classification, sight distance deficiencies, improved route system layout, and private land ownership. The resulting priority ratings are updated with each Capital Road Improvement Plan update. See attached priority rating worksheet.

4. Gravel Road Improvement

Projects in this category involve drainage and roadbed improvements on roads that will remain as gravel surfaced roads. Projects constructed under this category are programmed based on observed deficiencies of gravel road segments.

**STATE OF MINNESOTA
BRIDGE ROSTER
AITKIN COUNTY
(SORTED BY SUFFICIENCY RATING)**

07/15/2019

Page

BR NO	AGENCY BR NO	FACILITY CARRIED	FEATURE CROSSED	REF POINT	MAIN SPAN TYPE	D	C	C	E	G	U	A	DEF	SUFF	FHWA STATUS			
						E	S	S	U	H	V	E				C	H	P
						K	P	B	V	N	L	M	R	O	R	STAT	RTG	
7367		PEDESTRIAN	RIPPLE RIVER		TIMB BEAM SPAN	3	5	4	N	8	0	0	N	5	N	S.D.	54.0	CLOSED
01503	CSAH 14		SAVANNA RIVER	009+00.220	TIMB SLAB SPAN	6	6	4	N	5	4	6	N	8	8	S.D.	62.7	LOAD POSTEC
L5965	210TH LN		SNAKE RIVER	000+00.210	STEEL BM SPAN	4	6	6	N	6	5	4	N	6	4	S.D.	67.8	LOAD POSTEC
01505	CSAH 18		WILLOW RIVER	008+00.720	TIMB SLAB SPAN	4	4	5	N	6	4	7	N	6	8	S.D.	68.4	LOAD POSTEC
01509	CSAH 5		WILLOW RIVER	021+00.150	TIMB SLAB SPAN	4	4	6	N	5	4	9	N	6	8	S.D.	69.9	LOAD POSTEC
01507	CSAH 12		RIPPLE RIVER	006+00.201	TIMB SLAB SPAN	6	5	4	N	5	4	7	N	8	8	S.D.	71.5	LOAD POSTEC
01510	CR 62		SANDY RIVER	002+00.280	TIMB SLAB SPAN	6	6	4	N	6	4	7	N	8	7	S.D.	71.6	LOAD POSTEC
88100	CSAH 11		RIPPLE RIVER	000+00.380	STEEL PIPE ARCH	N	N	N	5	7	5	N	N	8	8	ADEQ	73.5	OPEN
01502	CSAH 22		WAKEFIELD BROOK	000+00.200	TIMB SLAB SPAN	6	5	5	N	6	5	5	N	8	8	ADEQ	77.1	OPEN
L2357	495TH LN		DITCH	002+00.170	STEEL BM SPAN	7	6	6	N	7	6	7	N	5	3	F.O.	77.9	OPEN
7216	CSAH 2		SNAKE RIVER	011+00.550	TIMB BEAM SPAN	6	6	5	N	6	5	6	N	8	8	ADEQ	78.4	OPEN
94156	CSAH 16		SANDY RIVER TRIB	004+00.706	TIMB BOX CULV	N	N	N	5	6	5	N	N	8	8	ADEQ	79.1	OPEN
94157	CSAH 16		SANDY RIVER	005+00.900	TIMB BOX CULV	N	N	N	5	6	5	N	N	8	8	ADEQ	79.1	OPEN
94154	CSAH 16		SANDY RIVER TRIB	004+00.283	TIMB BOX CULV	N	N	N	5	5	5	N	N	8	8	ADEQ	79.2	OPEN
94155	CSAH 16		RICE LAKE OUTLET	004+00.165	TIMB BOX CULV	N	N	N	5	5	5	N	N	8	8	ADEQ	79.2	OPEN
7215	CSAH 2		STREAM	010+00.700	TIMB BEAM SPAN	6	6	5	N	5	5	6	N	8	8	ADEQ	79.8	OPEN
L5891	150TH PL		SPLIT ROCK RIVER	001+00.952	TIMB SLAB SPAN	6	6	5	N	5	5	6	N	7	4	ADEQ	81.9	OPEN
88102	CSAH 19		MOOSE RIVER	004+00.470	STEEL PIPE CULV	N	N	N	5	6	5	N	N	7	5	ADEQ	82.6	OPEN
L9181	CR 67		WILLOW RIVER	000+00.130	TIMB SLAB SPAN	5	6	5	N	6	5	6	N	4	5	ADEQ	85.0	OPEN
01J10	420TH ST		SANDY RIVER	000+00.007	STEEL PIPE ARCH	N	N	N	6	6	6	N	N	8	2	F.O.	85.3	OPEN
01513	CSAH 29		WILLOW RIVER	013+00.410	TIMB SLAB SPAN	5	5	6	N	7	5	8	N	8	8	ADEQ	85.9	LOAD POSTEC
01508	CSAH 5		RICE RIVER	007+00.230	TIMB SLAB SPAN	5	5	6	N	5	5	7	N	6	7	ADEQ	86.3	LOAD POSTEC
7375	CR 54		SISSABAGAMAH CREEK	002+00.520	TIMB SLAB SPAN	6	6	6	N	6	6	5	N	5	5	ADEQ	86.9	LOAD POSTEC
01J09	155TH PL		SPLIT ROCK R	000+00.172	STEEL PIPE ARCH	N	N	N	7	6	6	N	N	8	5	ADEQ	88.8	OPEN
92918	CR 61		CHESLEY BROOK	010+00.480	PRECST PIPE ARCH	N	N	N	5	5	5	N	N	7	8	ADEQ	89.0	OPEN
01J03	140TH PL		SPLIT ROCK RIVER	000+00.073	STEEL PIPE ARCH	N	N	N	7	6	6	N	N	6	8	ADEQ	89.7	OPEN
01J06	420TH LN		SANDY RIVER (CD #14)	000+00.100	STEEL PIPE ARCH	N	N	N	7	6	6	N	N	8	8	ADEQ	89.8	OPEN
01J13	300TH PL		BORDEN CRK	000+00.044	STEEL PIPE CULV	N	N	N	7	7	6	N	N	6	8	ADEQ	89.8	OPEN
01J34	520 LN		SANDY LAKE	001+00.295	STEEL PIPE CULV	N	N	N	6	7	6	N	N	9	8	ADEQ	89.8	OPEN
95197	265TH LN		RIPPLE RIVER	000+00.230	STEEL PIPE ARCH	N	N	N	6	6	6	N	N	6	6	ADEQ	89.8	OPEN
R0716	FIELD ENTRANCE		DRAINAGE DITCH	011+00.290	STEEL PIPE ARCH	N	N	N	8	6	6	N	N	7	8	ADEQ	89.8	OPEN
R0717	350TH PL		DRAINAGE DITCH	000+00.011	STEEL PIPE ARCH	N	N	N	8	7	6	N	N	7	8	ADEQ	89.8	OPEN
01514	140TH PL		PRAIRIE RIVER	000+00.430	TIMB SLAB SPAN	6	6	7	N	5	6	5	N	8	5	ADEQ	90.0	OPEN
01516	CSAH 23		CHAN BETWEEN TWO LAKES	004+00.990	PRESTR QUAD TEE	7	6	7	N	7	6	7	N	8	8	ADEQ	90.1	OPEN
01512	CSAH 28		RIPPLE RIVER	004+00.440	PRESTR QUAD TEE	7	7	6	N	5	6	6	N	8	8	ADEQ	91.3	OPEN

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						K	P	B	V	N	L				M	R	O	R
01506	CSAH 1		MISSISSIPPI RIVER	000+00.490	PRESTR BM SPAN	5	6	6	N	6	6	N	8	ADEQ	91.9	OPEN		
01522	145TH PL (CEM ENT)		PRAIRIE RIVER	000+00.320	CCONC SLAB SPAN	8	8	7	N	7	7	N	8	ADEQ	91.9	OPEN		
01511	200TH LANE		SNAKE RIVER	000+00.730	TIMB SLAB SPAN	6	6	6	N	5	6	4	N	7	8	ADEQ	93.0	LOAD POSTEC
01525	LONG POINT PL		BIG SANDY LAKE	001+00.300	TIMB SLAB SPAN	7	8	7	N	7	7	8	N	9	6	ADEQ	93.2	OPEN
L4055	2ND AVE SE		RIPPLE RIVER	000+00.360	CONC BOX CULV	N	N	N	6	7	6	N	8	5	ADEQ	93.8	OPEN	
L5889	350TH PL		WILLOW RIVER	002+00.870	TIMB SLAB SPAN	6	6	6	N	6	6	5	N	8	6	ADEQ	94.0	LOAD POSTEC
01523	205TH LN		SNAKE RIVER	000+00.108	PRESTR BM SPAN	7	8	8	N	6	8	7	N	6	8	ADEQ	94.5	OPEN
01J30	185TH PL		SANDY RIVER	002+00.120	PRECST BOX CULV	N	N	N	7	8	7	N	N	8	6	ADEQ	94.6	OPEN
01J32	340TH LN		RIPPLE RIVER	000+00.250	PRECST BOX CULV	N	N	N	8	7	8	N	N	8	8	ADEQ	94.6	OPEN
01J37	430TH LN		LITTLE WILLOW RIVER	000+00.016	PRECST BOX CULV	N	N	N	8	8	8	N	N	6	7	ADEQ	94.6	OPEN
01J40	500TH LN		DITCH	001+00.360	PRECST BOX CULV	N	N	N	9	7	8	N	N	8	8	ADEQ	94.6	OPEN
01J41	155TH PL		SPLIT ROCK RIVER	000+00.740	PRECST BOX CULV	N	N	N	8	7	8	N	N	7	7	ADEQ	94.6	OPEN
01J42	155TH PL		SPLIT ROCK RIVER	000+00.894	PRECST BOX CULV	N	N	N	8	7	8	N	N	7	7	ADEQ	94.6	OPEN
92699	CSAH 21		DITCH	003+00.310	STEEL PIPE CULV	N	N	N	6	6	6	N	N	8	6	ADEQ	94.8	OPEN
L6445	420TH ST		SANDY RIVER	003+00.452	STEEL PIPE ARCH	N	N	N	6	6	6	N	N	8	8	ADEQ	94.9	OPEN
R0163	230TH PL		STREAM	001+00.200	PRECST PIPE ARCH	N	N	N	7	7	7	N	N	7	8	ADEQ	94.9	OPEN
01J05	532ND LN		STREAM	001+00.360	PRECST PIPE CULV	N	N	N	6	6	6	N	N	8	7	ADEQ	95.0	OPEN
L5932	300TH LN		RICE RIVER	001+00.220	PRECST PIPE ARCH	N	N	N	6	7	6	N	N	8	6	ADEQ	95.0	OPEN
01529	362 LN		RICE RIVER	000+00.695	CCONC SLAB SPAN	8	8	7	N	8	7	6	N	8	8	ADEQ	95.9	OPEN
01011	CSAH 3		CHAN BETWEEN TWO LAKES	025+00.042	PRESTR BM SPAN	7	8	7	N	8	7	7	N	9	4	ADEQ	97.2	OPEN
01515	CR 54		RIPPLE RIVER	000+00.040	PRESTR QUAD TEE	7	7	6	N	7	6	6	N	8	6	ADEQ	97.9	OPEN
01518	CSAH 26		SNAKE RIVER	010+00.880	PRESTR DOUB TEE	7	7	7	N	7	7	9	N	8	8	ADEQ	97.9	OPEN
01517	CSAH 10		WILLOW RIVER	001+00.200	PRESTR DOUB TEE	7	7	7	N	5	7	9	N	6	8	ADEQ	98.0	OPEN
01519	435TH ST		SANDY RIVER	003+00.980	PRESTR BM SPAN	7	7	7	N	8	7	7	N	8	7	ADEQ	98.0	OPEN
01521	CR 56		RICE RIVER	004+00.539	TIMB SLAB SPAN	7	7	7	N	7	7	7	N	6	8	ADEQ	98.0	OPEN
01J15	125 AVE		SPLIT ROCK RIVER	000+00.254	PRECST BOX CULV	N	N	N	8	6	8	N	N	6	8	ADEQ	98.0	OPEN
L5895	4th St		BEAR CREEK	000+00.008	PRECST PIPE ARCH	N	N	N	6	7	6	N	N	7	4	ADEQ	98.0	OPEN
01012	CSAH 3		MISSISSIPPI RIVER	016+00.144	PRESTR BM SPAN	7	7	7	N	6	7	7	N	9	8	ADEQ	98.4	OPEN
01J36	CSAH 32		CO DITCH #13	003+00.025	PRECST BOX CULV	N	N	N	8	7	8	N	N	5	8	ADEQ	98.9	OPEN
01J23	432 LN		BLIND LAKE OUTLET	001+00.300	PRECST BOX CULV	N	N	N	7	7	7	N	N	7	7	ADEQ	99.0	OPEN
01526	CSAH 22		MISS R DIVERSION CHANNEL	001+00.030	PRESTR BM SPAN	7	7	8	N	7	7	7	N	8	8	ADEQ	99.3	OPEN
01530	CSAH 3		BIG WILLOW RIVER	012+00.345	PRESTR BM SPAN	8	7	8	N	8	7	7	N	9	8	ADEQ	99.3	OPEN
93455	CSAH 4		DAM BROOK	003+00.090	PRECST PIPE ARCH	N	N	N	6	7	6	N	N	8	8	ADEQ	99.3	OPEN
01J35	CSAH 3		WHITE ELK BROOK	010+00.284	PRECST BOX CULV	N	N	N	8	8	8	N	N	9	8	ADEQ	99.4	OPEN
01J04	CSAH 39		RIPPLE RIVER	003+00.240	PRECST BOX CULV	N	N	N	7	7	7	N	N	8	8	ADEQ	99.5	OPEN

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	BR NO	FACILITY CARRIED				E	S	S	H	V	E				C	H	P	
						C	U	U	L	A	A	O	L	2	P	STAT	RTG	
						K	P	B	V	N	L	M	R	O	R			
01J08	CSAH 3	Little Willow River	005+00.170	PRECST BOX CULV	N N N 8 7	8	N	N	8	8	ADEQ	99.5	OPEN					
01J28	CSAH 28	CHAN BETWEEN TWO LAKES	006+00.955	PRECST BOX CULV	N N N 8 8	8	N	N	8	8	ADEQ	99.5	OPEN					
01531	CSAH 14	PRAIRIE RIVER	004+00.180	PRESTR BM SPAN	8 8 8 N 8	8	7	N	9	8	ADEQ	99.6	OPEN					
01532	CSAH 4	RICE RIVER	013+00.847	PRESTR BM SPAN	8 9 9 N 8	9	8	N	8	8	ADEQ	99.6	OPEN					
01J33	CSAH 10	POKEGAMA CREEK	025+00.165	PRECST BOX CULV	N N N 7 7	7	N	N	8	8	ADEQ	99.6	OPEN					
01J39	CSAH 15	CEDAR CREEK	001+00.613	PRECST BOX CULV	N N N 8 8	8	N	N	8	6	ADEQ	99.6	OPEN					
96703	CSAH 4	CREEK	008+00.168	PRECST BOX CULV	N N N 8 6	8	N	N	8	8	ADEQ	99.6	OPEN					
92844	CSAH 3	DITCH	008+00.190	PRECST PIPE ARCH	N N N 7 7	7	N	N	7	8	ADEQ	99.7	OPEN					
93178	CSAH 38	SEVENTEEN CREEK	004+00.740	PRECST PIPE ARCH	N N N 6 6	6	N	N	8	8	ADEQ	99.8	OPEN					
96811	CSAH 2	SNAKE RIVER	014+00.790	PRECST PIPE ARCH	N N N 7 7	7	N	N	8	8	ADEQ	99.8	OPEN					
01527	CSAH 1	Miss. R. Diversion Chan.	005+00.004	PRESTR BM SPAN	8 8 8 N 7	8	8	N	8	8	ADEQ	99.9	OPEN					
01528	CSAH 32	TAMARACK RIVER	006+00.160	PRESTR BM SPAN	8 7 8 N 7	7	8	N	9	8	ADEQ	99.9	OPEN					
01J07	CSAH 1	LITTLE WILLOW RIVER	012+00.993	PRECST BOX CULV	N N N 7 8	7	N	N	6	8	ADEQ	99.9	OPEN					
01J24	630TH LN	WILLOW RIVER	000+00.820	PRECST PIPE CULV	N N N 7 6	7	N	N	6	8	ADEQ	99.9	OPEN					
01J26	CSAH 26	STREAM	010+00.260	PRECST BOX CULV	N N N 8 7	8	N	N	8	8	ADEQ	99.9	OPEN					
01J27	CR 73	MINNEWAWA CREEK	004+00.030	PRECST BOX CULV	N N N 8 7	8	N	N	8	8	ADEQ	99.9	OPEN					
01J31	CR 73	SANDY RIVER	000+00.287	PRECST BOX CULV	N N N 8 8	8	N	N	8	8	ADEQ	99.9	OPEN					
91895	CR 64	PRAIRIE RIVER	006+00.260	PRECST PIPE ARCH	N N N 7 6	7	N	N	8	8	ADEQ	99.9	OPEN					
91896	CR 64	TAMARACK RIVER	002+00.230	PRECST PIPE ARCH	N N N 7 6	7	N	N	8	8	ADEQ	99.9	OPEN					
92917	CSAH 12	RIPPLE RIVER	009+00.691	PRECST PIPE ARCH	N N N 6 6	6	N	N	8	8	ADEQ	99.9	OPEN					
93122	CSAH 26	DITCH	017+00.270	PRECST PIPE ARCH	N N N 6 7	6	N	N	8	8	ADEQ	99.9	OPEN					
95330	CSAH 36	STREAM	010+00.980	PRECST PIPE ARCH	N N N 8 5	8	N	N	8	8	ADEQ	99.9	OPEN					
95331	CSAH 1	LITTLE WILLOW RIVER	009+00.550	PRECST PIPE ARCH	N N N 7 5	7	N	N	8	8	ADEQ	99.9	OPEN					
95332	CSAH 5	SISSABAGAMAH CREEK	000+00.110	PRECST PIPE ARCH	N N N 7 6	7	N	N	8	8	ADEQ	99.9	OPEN					
95612	CR 51	RIPPLE RIVER	001+00.670	PRECST PIPE ARCH	N N N 7 7	7	N	N	8	8	ADEQ	99.9	OPEN					
01524	CR 62	SANDY RIVER	004+00.420	CCONC SLAB SPAN	8 8 7 N 6	7	9	N	6	6	ADEQ	100.0	OPEN					
01J01	CR 74	MORRISON BROOK	002+00.730	PRECST PIPE ARCH	N N N 7 5	7	N	N	8	8	ADEQ	100.0	OPEN					
01J02	CSAH 10	WHITE ELK BROOK	000+00.480	PRECST PIPE ARCH	N N N 7 7	7	N	N	8	7	ADEQ	100.0	OPEN					
01J11	CSAH 9	Bear Creek	000+00.170	PRECST BOX CULV	N N N 7 6	7	N	N	7	8	ADEQ	100.0	OPEN					
01J12	180TH AVE	Cowan Brook	000+00.390	PRECST PIPE ARCH	N N N 8 7	8	N	N	8	7	ADEQ	100.0	OPEN					
01J14	CSAH 34	BIRCH CREEK	005+00.295	PRECST BOX CULV	N N N 7 7	7	N	N	6	8	ADEQ	100.0	OPEN					
01J16	600TH ST	Moose River	001+00.300	PRECST BOX CULV	N N N 8 8	8	N	N	8	8	ADEQ	100.0	OPEN					
01J17	214TH AVE	Bear Creek	000+00.950	PRECST PIPE ARCH	N N N 8 7	8	N	N	7	8	ADEQ	100.0	OPEN					
01J19	110TH AVE	STREAM	000+00.800	PRECST BOX CULV	N N N 8 7	8	N	N	7	8	ADEQ	100.0	OPEN					
01J20	310TH AVE	BORDEN CREEK	000+00.239	PRECST BOX CULV	N N N 8 7	8	N	N	7	8	ADEQ	100.0	OPEN					

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						CU	UL	LA	AO	L	2	P				STAT	RTG	
01J21		350TH AVE	MOOSE RIVER	002+00.052	PRECST BOX CULV	N	N	N	8	8	8	N	N	8	7	ADEQ	100.0	OPEN
01J22		CSAH 29	MOOSE RIVER	010+00.680	PRECST BOX CULV	N	N	N	6	6	6	N	N	8	8	ADEQ	100.0	OPEN
01J29		CR 75	BIRCH CREEK	000+00.400	PRECST BOX CULV	N	N	N	7	5	7	N	N	6	8	ADEQ	100.0	OPEN
01J38		350TH ST	SISSABAGAMAH CREEK	001+00.395	PRECST BOX CULV	N	N	N	8	7	8	N	N	8	8	ADEQ	100.0	OPEN
91791		360TH ST	SISSABAGAMAH CREEK	001+00.860	PRECST PIPE ARCH	N	N	N	6	6	6	N	N	6	8	ADEQ	100.0	OPEN
92924		CSAH 23	STREAM	004+00.670	PRECST PIPE ARCH	N	N	N	7	8	7	N	N	7	7	ADEQ	100.0	OPEN
93123		CR 75 (KESTERAL AV	SPLIT ROCK RIVER	003+00.860	PRECST PIPE ARCH	N	N	N	7	6	7	N	N	7	8	ADEQ	100.0	OPEN
93424		CR 67	LITTLE HILL RIVER	004+00.980	PRECST PIPE ARCH	N	N	N	7	7	7	N	N	7	7	ADEQ	100.0	OPEN
94221		CR 61	STREAM	011+00.220	PRECST PIPE ARCH	N	N	N	7	5	7	N	N	8	8	ADEQ	100.0	OPEN
96142		CSAH 29	LITTLE HILL RIVER	016+00.510	PRECST PIPE ARCH	N	N	N	7	5	7	N	N	8	8	ADEQ	100.0	OPEN
L5886		295TH ST	RIPPLE RIVER	002+00.220	PRECST PIPE ARCH	N	N	N	6	6	6	N	N	8	8	ADEQ	100.0	OPEN
L5892		ORIOLE AVE	RIPPLE RIVER	000+00.840	PRECST PIPE ARCH	N	N	N	6	6	6	N	N	8	6	ADEQ	100.0	OPEN
L6398		450TH ST	CO DITCH # 22	001+00.010	PRECST PIPE ARCH	N	N	N	6	7	6	N	N	7	8	ADEQ	100.0	OPEN

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YEARLY LISTING

Bituminous Pavements - Age and RQI Data

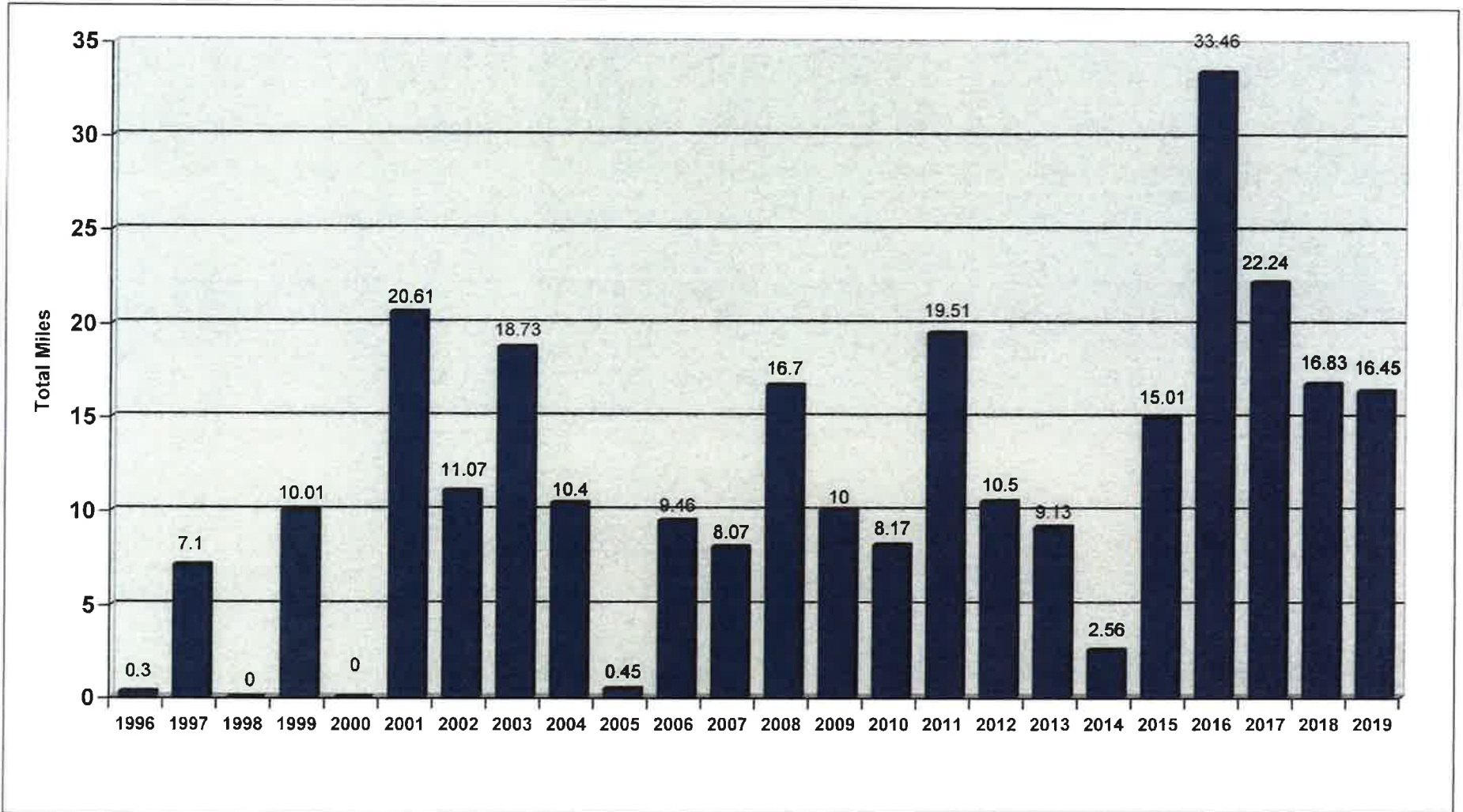
	Length	2017 RQI		Length	2017 RQI
1996			2012		
CR 69	0.3		CSAH 3 from US Hwy 169 to n jct CSAH 5	5.6	3.3/3.6
1997			CSAH 5 from TH 47 to CR 50	1	3.5
CSAH 17	7.1	3.1	CSAH 14 from TH 65 to 2.3 miles northeast	2.3	3.4/3.5
1999			CSAH 36 from CSAH 14 to 1.6 mile north	1.6	2.8/2.9
CSAH 39	5.1	3.6	2013		
CR 76	2.82	2.7	CSAH 12 from 35 m. E. of N. jct. CSAH 39 to TH 47 (NW)		
CR 77W	1.04	2.3	CR 54 from CSAH 1 to 47 miles east	0.47	2.7/2.9
CR 81	1.05	3.1/3.3	CR 54 from CR 83 to end of pavement	0.56	3.0/3.1
2000			CR 60	3.98	3.7
2001			CR 68 from 0.28 miles east of US 169 to US 169	0.83	2.5/2.7
CSAH 3 from 6.36 miles east of north jct CSAH 5 to TH 61	3.2	1.2/1.4	CR 77	0.57	3.7
CSAH 14 from 2.3 m northeast of TH 65 to State Park	8.61	3.4/3.5	CR 82	1.03	2.5/2.7
CSAH 22	4.6	3.5	CR 83	0.49	3.4/3.5
CSAH 24	4.2	3.6	CR 85	1.2	3
2002			2014		
CSAH 31	3.53	2.4/2.5	CSAH 12 from 35 m E of N jct. CSAH 39 to TH 47 (Wear)	2.56	3.5
CSAH 40	4.9	3.0/3.1	2015		
CR 62 from TH 210 to 435th Street	2.64	2.6/2.8	CSAH 10 from US Hwy 169 to CSAH 3	7.01	3.8
2003			CSAH 28 from TH 210 to TH 169	8	3.6
CSAH 9	0.82	2.2/2.4	2016		
CSAH 11	3.2	3.1/3.3	CSAH 2 from TH 47 to TH 65	12.38	3.8
CSAH 23	5.3	3.2/3.5	CSAH 3 from north jct. CSAH 5 to 6.36 miles east	6.2	3.9
CSAH 28 from TH 169 to CSAH 12	5.8	3.7	CSAH 12 from TH 47 to TH 210	0.58	3.3/3.4
CSAH 37	2.3	2.8/3.0	CSAH 12 from TH 47 to 375th Avenue	6.88	3.9/4.0
CR 54 from 47 miles east of CSAH 1 to CR 83	0.83	2.9	CSAH 13 from TH 65 to CSAH 16	5.39	3.8/4.0
CR 79	0.48	2.0/2.1	CSAH 41 from 1st Street to west jct. TH 210	1.01	3.5
2004			CR 88	1.02	2.9/3.5
CSAH 2 from TH 65 to Pine County Line	10.4	3.4/3.5	2017		
2005			CSAH 1 from CSAH 22 to 3.6 miles north		3.6
CSAH 1 from TH 210 to beginning of Mississippi River Bri	0.45	2.0/2.4	CSAH 10 from TH 232 to CSAH 18	11.06	
2006			CSAH 15 from Crow Wing County Line to CSAH 1	6.08	
CSAH 3 from Crow Wing County Line to CSAH 29	5.74	3.3	CR 74	1.5	
CSAH 7	3.2	3.2/3.3	2018		
CR 66 from US 169 to 0.26 miles east	0.26	1.7/2.0	CSAH 6 from TH 65 to 5.3 miles east		4.9
CSAH 29 from CSAH 19 to CSAH 7	0.26		CSAH 8 from TH 210 to old Soo Line RR		0.87
2007			CSAH 12 from 375th Avenue to Lanie's corner		2.74
CSAH 8 from old Soo Line RR to TH 65	1.87	3.3/3.4	CSAH 12 from Lanie's Corner to n jct CSAH 39		1.95
CSAH 38	6.1	3.4/3.5	CSAH 32 from CSAH 6 to CSAH 31		3.29
2008			CR 53 from CSAH 4 to 0.78 mile north		3.08
CSAH 4 from TH 47 to TH 65	14.4	3.4/3.5	2019		
CSAH 29 from CSAH 3 to 509th Lane	2.3	2.6/2.7	CSAH 3 from CSAH 29 to TH 169		4.15
2009			CSAH 10 from TH 200 to Itasca County Line		2.25
CSAH 1 from beginning of Mississippi River Bridge to CS	2.5	3.3	CSAH 16		8.9
CSAH 5 from TH 210 to TH 232	7.5	3	CSAH 41 from east jct TH 210 to 1st Street		0.07
2010			CR 70		1.08
CSAH 10 from CSAH 18 to 8.2 miles south of TH 200	6.88	3.6	Subtotal:		128.18
CSAH 33	0.29	1.5/1.5	Grand Total:		276.76
CR 62 from TH 232 to 1.0 mile south	1.0	3.4/3.5			
2011					
CSAH 6 from 5.27 miles est of TH 65 to TH 210	8.08	3.1			
CSAH 10 from TH200 to 8.12 miles south	8.12	3.3/3.4			
CSAH 32 from CSAH 31 to Carlton County Line	3.01	3.6/3.7			
CR 241	0.3				
Sub-total:	150.58				

Updated: 7-15-19

Updated: 11-21-16

	Good (RQI)>3	Poor (RQI)<2
MnDOT District 1 (non-NHS)	52.2%	13.9%
MnDOT District 3 (non-NHS)	74.1%	1.7%
Aitkin County Roads and County State-Aid Highways	91%	1.4%

Pavement Age of Aitkin County Roads and County State-Aid Highways



Priority Rating Worksheet

Road Number	Segment Description	Length	2016 ADT (20 points decile)	Residence Density (20 point decile)	Functional Classification (10 points)	Sight Distance Deficiency (10 point decile)	Improved Route System Layout (10 points)	Privately-Owned Land (10 point decile)	Priority Rating (80 points)
25	CSAH 23 to Kanabec County Line	3.3	18	20	7	5	10	10	61.0
5.2	CR 53 to TH 210	4.7	12	20	10	6	10	7	58.7
71		1	20	12	4	1	10	10	48.0
30	TH 65 to CSAH 16	7	16	14	7	6	0	10	44.0
51	TH 18 to CSAH 28	4.77	12	14	4	3	10	8	43.8
62.1	2 miles N of TH 210 to CR 71	1.36	20	6	4	1	10	10	42.0
1	3.6 miles N of CSAH 22 to CSAH 3	7.4	16	6	7	2	10	6	41.6
64.2	CSAH 32 to 5 miles North	5	16	16	4	3	0	3	39.3
19.2	CSAH 20 to CSAH 29	2	14	4	10	5	5	3	38.3
50	CSAH 5 to CR 56	2.95	18	2	4	3	10	10	38.0
13	CSAH 16 to Carlton County Line	5.6	12	2	7	4	10	5	35.5
62.2	CR 71 to 1 mile south of TH 232	3	10	8	4	1	10	10	34.0
19.1	Cass County Line to CSAH 20	4.8	6	10	10	7	0	2	33.2
5.1	CR 50 to CR 53	5.9	8	10	10	4	0	10	33.0
57.1	TH 65 to 5 miles east	5	14	8	4	5	0	10	32.0
27	CSAH 13 to TH 27	6.6	4	6	7	4	10	9	31.9
75	TH 27 to CSAH 34	6.9	4	8	7	5	5	6	29.6
74		2.07	4	6	4	4	10	10	29.0
36.2	CR 65 to 1.5 miles N of CSAH 14	5.2	8	6	7	7	0	5	28.5
59		4.28	16	4	4	3	0	10	28.0
63		2.69	6	8	4	9	0	10	28.0
54	End of Blacktop to TH 210	4.88	8	2	4	3	10	10	28.0
29.3	CSAH 7 to CR 67	4.54	10	6	7	4	0	6	27.6
36.1	TH 65 to CR 65	4.2	8	4	7	8	0	3	27.3
65		8.96	6	6	4	10	0	3	26.3
61.1	TH 65 to TH 18	4.23	6	10	4	5	0	10	26.0
72		1.2	8	8	4	5	0	10	26.0
20	Cass County Line to CSAH 19	5.9	6	4	7	3	5	6	25.6
64.1	5 miles N of CSAH 32 to CSAH 14	4.49	6	10	4	5	0	6	25.6
21	CSAH 1 to TH 169	6.9	6	4	10	4	0	10	25.0
73		5.1	14	4	4	2	0	6	24.6
5.3	CSAH 3 to CSAH 18	7.81	10	6	7	1	0	5	24.5
34	CSAH 2 to CR 75	6.3	4	4	7	3	5	6	23.6
26.3	TH 65 to CSAH 2	9.1	8	4	7	4	0	3	23.3
29.4	CR 67 to TH 200	2	10	4	7	2	0	2	23.2
26.1	CSAH 38 to CR 59	5	8	4	7	3	0	10	23.0
60W		1.08	10	6	4	2	0	10	23.0
35	TH 65 to Itasca County Line	0.4	8	4	7	1	0	10	21.0
61.2	TH 18 to CSAH 23	7	4	6	4	5	0	9	19.9
68.1	CSAH 29 to dead end west	2	4	6	4	5	0	8	19.8
26.2	CR 59 to TH 65	6	4	6	7	2	0	7	19.7
29.2	CR 68 to CSAH 7	6.3	6	4	7	2	0	1	19.1
18.2	CSAH 5 to CSAH 10	6.1	2	2	7	2	5	10	19.0
80		1.7	6	4	4	3	0	10	18.0
18.1	TH 169 to CSAH 5	6.1	2	2	7	1	5	3	17.3
29.1	2.3 miles N of CSAH 3 to CR 68	3.3	6	2	7	2	0	3	17.3
57.2	TH 27 to 4 miles North	4.04	2	4	4	6	0	10	17.0
58		2.67	4	4	4	4	0	8	16.8
67		5.17	2	4	4	6	0	8	16.7
56.1	TH 210 to CR 50	2	8	2	4	1	0	6	15.6
68.2	CSAH 29 to TH 169	3.3	4	4	4	3	0	2	15.2
68.3	TH 169 to dead end east	1.2	4	4	4	2	0	8	14.8
56.2	CR 50 to CSAH 5	6.4	2	2	4	5	0	8	13.7

2016 ADT: Up to 20 points in ten decile ranges based on actual 2016 Average Annual Daily Traffic Count

Residence Density: Up to 20 points in ten decile ranges based on total number of residences on segment and adjacent road segments

Functional Classification: 10 points for major collector classification, 7 points for minor collector classification, 4 points for local road classification

Sight Distance Safety Rating: Up to 10 points in ten decile ranges based on horizontal and vertical curve sight distance deficiency

Improved Route System Layout: 10 points if part of 4-8 mile system grid, 5 points if part of 8+ mile system grid

Privately Owned Land: Up to 10 points based on percentage of privately-owned land adjacent to segment