

Storm Report Summary - Thru Week 5 (11/30/23)

From Winter Storm Reports, 2023-2024

General Notes: 1) Costs shown in table are estimated and do not include the Administrative Costs; 2) Material Costs includes Brine, Salt, Sand, and other Deicing and Anti-icing Agents; 3) Equipment Costs are based on an estimated \$90 per hour per unit; 4) Labor Costs are based on each County's average labor rate; 5) Total Salt Available = salt in sheds plus "early fill" plus "seasonal fill" plus "vendor reserve" available. 6) Some Material Costs are estimated. 7) Severity Indices in this table are not the official MDSS severity index used by WisDOT in other reports. 8) This report is sorted by TOTAL Cost per Lane Mile.

Region NC County	Lane Miles	Severity Index	Snow Amount (inches)	Events this Season			Freez. Rain Events	Total Salt Avail. (tons)	Total Salt Used (tons)	Total Salt Remain. (tons)	Salt Used per LM (tons)	Total Thaw-Rox (tons)	Total Clear-Lane (tons)	Total Sand Used (CY)	Total Reg. Hours	Total OT Hours	Estimated Cost Per Lane Mile				Estimated Total Cost to Date	Salt per LM per Severity Index
				Anti-Icing	Storms	Incident											Mat'l	Equip	Labor	Total		
IRON	240.51	9.91	13.0	0	4	0	0	6,813	253	6,560	1.1	0	0	0	116.0	83.0	\$116	\$107	\$47	\$269	\$64,778	0.11
VILAS	307.73	20.09	7.2	0	7	3	5	8,775	255	8,520	0.8	0	0	30	307.0	0.0	\$91	\$87	\$42	\$220	\$67,656	0.04
MENOMINEE	90.66	6.23	4.0	0	2	3	0	2,365	124	2,241	1.4	0	0	0	29.0	26.0	\$132	\$55	\$29	\$216	\$19,603	0.22
ONEIDA	395.39	13.80	7.7	1	4	4	3	10,347	163	10,184	0.4	0	0	4	243.0	90.0	\$42	\$58	\$44	\$144	\$57,045	0.03
PRICE	319.53	5.18	3.1	2	3	1	0	5,925	175	5,750	0.5	0	0	0	120.0	50.0	\$64	\$48	\$26	\$138	\$44,146	0.11
MARATHON	905.42	4.15	4.0	4	2	0	0	14,350	494	13,856	0.5	0	0	0	232.0	207.0	\$65	\$42	\$25	\$131	\$118,982	0.13
FLORENCE	137.43	5.75	6.0	0	3	1	0	3,735	110	3,625	0.8	0	0	2	23.0	13.0	\$80	\$24	\$13	\$116	\$16,007	0.14
LINCOLN	399.39	4.82	4.5	4	2	1	0	6,729	167	6,562	0.4	0	0	19	140.0	53.0	\$50	\$38	\$25	\$112	\$44,911	0.09
PORTAGE	531.62	4.42	4.0	2	2	0	0	9,000	171	8,829	0.3	0	0	0	161.0	129.0	\$32	\$49	\$30	\$111	\$59,257	0.07
MARQUETTE	246.61	4.49	2.5	1	2	0	0	4,857	89	4,768	0.4	0	0	0	62.0	48.0	\$43	\$34	\$26	\$103	\$25,435	0.08
SHAWANO	530.27	5.36	4.0	1	2	1	0	9,381	277	9,104	0.5	0	0	0	94.0	103.0	\$47	\$32	\$21	\$99	\$52,749	0.10
WAUPACA	556.87	6.09	5.0	2	2	2	0	11,200	255	10,945	0.5	0	0	0	88.0	63.0	\$40	\$23	\$15	\$78	\$43,497	0.08
FOREST	314.49	12.04	11.5	1	5	0	1	7,614	174	7,440	0.6	0	0	0	29.0	7.0	\$57	\$9	\$5	\$72	\$22,519	0.05
LANGLADE	300.29	6.16	5.0	0	2	1	0	5,257	93	5,164	0.3	0	0	0	43.0	39.0	\$31	\$22	\$15	\$69	\$20,596	0.05
WAUSHARA	343.69	4.58	4.5	0	2	0	0	4,086	96	3,990	0.3	0	0	0	18.0	51.0	\$30	\$18	\$12	\$60	\$20,605	0.06
ADAMS	202.74	4.72	4.0	1	2	0	0	4,280	36	4,244	0.2	0	0	0	52.0	0.0	\$23	\$18	\$12	\$53	\$10,758	0.04
WOOD	443.36	1.79	1.0	8	1	0	0	7,100	49	7,051	0.1	0	0	0	113.0	15.0	\$14	\$23	\$13	\$49	\$21,924	0.06
GREEN LAKE	154.11	3.38	2.5	0	1	1	0	1,830	40	1,790	0.3	0	0	0	8.0	16.0	\$27	\$12	\$10	\$49	\$7,484	0.08
Region Total	--	--	--	--	--	--	--	123,644	3,021	120,623	--	0	0	55	--	--	--	--	--	--	\$717,951	
Region Average	6.83	5.2		1.5	2.7	1.0	0.5	6,869	168	6,701	0.5	0	0	3	104.3	55.2	\$55	\$39	\$23	\$116	\$39,886	0.08

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Region NE County	Lane Miles	Severity Index	Snow Amount (inches)	Events this Season			Freez. Rain Events	Total Salt Avail. (tons)	Total Salt Used (tons)	Total Salt Remain. (tons)	Salt Used per LM (tons)	Total Thaw-Rox (tons)	Total Clear-Lane (tons)	Total Sand Used (CY)	Total Reg. Hours	Total OT Hours	Estimated Cost Per Lane Mile				Estimated Total Cost to Date	Salt per LM per Severity Index
				Anti-Icing	Storms	Incident											Mat'l	Equip	Labor	Total		
DOOR	267.29	9.13	4.5	1	3	3	0	4,988	314	4,674	1.2	0	0	0	22.0	164.0	\$111	\$63	\$53	\$226	\$60,433	0.13
CALUMET	219.46	7.90	4.5	1	2	3	0	2,625	113	2,512	0.5	0	0	0	90.0	60.0	\$48	\$52	\$40	\$139	\$30,584	0.07
SHEBOYGAN	543.53	6.36	7.0	2	2	4	0	10,434	248	10,186	0.5	0	0	0	67.0	191.0	\$59	\$41	\$35	\$135	\$73,150	0.07
MANITOWOC	419.96	4.02	3.0	5	2	0	0	8,700	222	8,478	0.5	0	0	0	165.0	38.0	\$55	\$44	\$22	\$121	\$50,826	0.13
FOND DU LAC	611.86	4.56	5.0	0	2	0	0	11,240	346	10,894	0.6	0	0	0	42.0	146.0	\$53	\$25	\$23	\$101	\$61,879	0.12
BROWN	860.16	4.53	5.0	10	2	0	0	20,338	364	19,974	0.4	0	0	0	51.0	277.0	\$38	\$34	\$25	\$97	\$83,846	0.09
OUTAGAMIE	567.52	2.96	3.0	0	1	0	0	11,682	244	11,438	0.4	0	0	0	48.0	145.0	\$44	\$22	\$25	\$90	\$51,161	0.15
MARINETTE	414.39	3.06	1.0	4	1	1	0	9,050	141	8,909	0.3	0	0	0	42.0	34.0	\$36	\$16	\$12	\$63	\$26,259	0.11
KEWAUNEE	126.39	7.09	5.0	0	2	2	0	1,770	23	1,747	0.2	0	0	0	15.0	19.0	\$17	\$24	\$17	\$58	\$7,331	0.03
OCONTO	481.73	3.45	1.0	2	1	2	0	7,241	69	7,172	0.1	0	0	0	35.0	66.0	\$18	\$18	\$13	\$50	\$23,868	0.04
WINNEBAGO	688.27	2.20	2.5	1	1	0	0	11,886	66	11,820	0.1	0	0	0	69.0	4.0	\$10	\$8	\$5	\$24	\$16,364	0.04
Region Total	--	--	--	--	--	--	--	99,954	2,150	97,804	--	0	0	0	--	--	--	--	--	--	\$485,699	
Region Average		5.02	3.8	2.4	1.7	1.4	0.0	9,087	195	8,891	0.4	0	0	0	58.7	104.0	\$44	\$31	\$25	\$100	\$44,154	0.09

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Region NW County	Lane Miles	Severity Index	Snow Amount (inches)	Events this Season			Freez. Rain Events	Total Salt Avail. (tons)	Total Salt Used (tons)	Total Salt Remain. (tons)	Salt Used per LM (tons)	Total Thaw- Rox (tons)	Total Clear- Lane (tons)	Total Sand Used (CY)	Total Reg. Hours	Total OT Hours	Estimated Cost Per Lane Mile				Estimated Total Cost to Date	Salt per LM per Severity Index
				Anti- Icing	Storms	Incident											Mat'l	Equip	Labor	Total		
DUNN	521.2	10.76	4.2	1	4	2	0	13,635	498	13,137	1.0	0	0	0	160.0	110.0	\$95	\$45	\$32	\$172	\$89,795	0.09
DOUGLAS	465.66	5.66	4.0	11	2	2	0	10,432	442	9,990	0.9	0	0	0	217.0	20.0	\$79	\$42	\$21	\$142	\$66,030	0.17
TREMPEALEAU	420.25	4.38	3.0	0	2	1	0	9,261	316	8,945	0.8	0	0	0	110.0	90.0	\$74	\$37	\$29	\$141	\$59,363	0.17
CLARK	401.81	4.72	6.0	1	2	0	0	7,260	284	6,976	0.7	0	0	0	45.0	70.0	\$81	\$27	\$16	\$123	\$49,450	0.15
BAYFIELD	345.31	7.63	5.8	1	3	2	0	7,541	173	7,368	0.5	0	0	0	163.0	9.0	\$48	\$48	\$24	\$120	\$41,323	0.07
JACKSON	520.32	4.43	2.5	0	2	1	2	11,703	349	11,354	0.7	0	0	0	76.0	103.0	\$67	\$30	\$19	\$116	\$60,441	0.15
EAU CLAIRE	531.32	5.25	3.0	1	2	1	0	11,842	183	11,659	0.3	0	0	0	253.0	0.0	\$40	\$39	\$23	\$102	\$54,366	0.07
PEPIN	109.41	3.83	2.8	1	2	0	0	1,202	34	1,168	0.3	0	0	0	40.0	20.0	\$31	\$42	\$28	\$101	\$11,103	0.08
BARRON	428.61	4.80	3.0	2	2	1	0	7,000	178	6,822	0.4	0	0	0	136.0	49.0	\$38	\$37	\$25	\$100	\$42,680	0.09
CHIPPEWA	653.17	5.27	4.5	1	2	1	0	13,874	302	13,572	0.5	0	0	0	100.0	124.0	\$48	\$30	\$20	\$98	\$63,785	0.09
PIERCE	368.08	4.51	4.0	0	2	0	0	6,425	211	6,214	0.6	0	0	0	50.0	51.0	\$54	\$21	\$16	\$92	\$33,730	0.13
SAINT CROIX	653.47	5.14	3.5	0	2	1	0	16,486	296	16,190	0.5	0	0	0	88.0	95.0	\$43	\$25	\$20	\$87	\$57,058	0.09
RUSK	213.1	4.86	2.4	0	2	1	0	3,249	86	3,163	0.4	0	0	0	62.0	22.0	\$41	\$24	\$21	\$86	\$18,429	0.08
ASHLAND	255.69	4.89	5.0	3	2	0	0	4,475	64	4,411	0.3	0	0	0	61.0	22.0	\$31	\$29	\$17	\$78	\$19,838	0.05
BUFFALO	311.87	5.03	3.1	3	3	0	0	3,478	107	3,371	0.3	0	0	0	76.0	26.0	\$36	\$25	\$15	\$76	\$23,830	0.07
SAWYER	357.2	5.82	2.5	0	2	2	0	5,750	131	5,619	0.4	0	0	0	66.0	44.0	\$34	\$26	\$16	\$76	\$27,208	0.06
TAYLOR	232.44	4.39	4.0	0	2	0	0	4,338	71	4,267	0.3	0	0	0	26.0	33.0	\$41	\$19	\$14	\$74	\$17,265	0.07
WASHBURN	385.68	4.14	3.0	3	2	0	0	7,845	131	7,714	0.3	0	0	0	67.0	39.0	\$32	\$24	\$16	\$72	\$27,821	0.08
BURNETT	235.35	3.84	2.1	2	2	0	0	3,715	46	3,669	0.2	0	0	0	28.0	16.0	\$19	\$16	\$9	\$45	\$10,541	0.05
POLK	374.54	2.50	4.0	1	1	0	0	9,074	82	8,992	0.2	0	0	0	62.0	0.0	\$20	\$14	\$7	\$42	\$15,587	0.09
Region Total	--	--	--	--	--	--	--	158,585	3,984	154,601	--	0	0	0	--	--	--	--	--	--	\$789,642	
Region Average	5.09	3.6		1.6	2.2	0.8	0.1	7,929	199	7,730	0.5	0	0	0	94.3	47.2	\$48	\$30	\$20	\$97	\$39,482	0.09

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Region SE County	Lane Miles	Severity Index	Snow Amount (inches)	Events this Season			Freez. Rain Events	Total Salt Avail. (tons)	Total Salt Used (tons)	Total Salt Remain. (tons)	Salt Used per LM (tons)	Total Thaw-Rox (tons)	Total Clear-Lane (tons)	Total Sand Used (CY)	Total Reg. Hours	Total OT Hours	Estimated Cost Per Lane Mile				Estimated Total Cost to Date	Salt per LM per Severity Index
				Anti-Icing	Storms	Incident											Mat'l	Equip	Labor	Total		
MILWAUKEE	1574.67	5.80	4.4	0	2	0	0	55,265	1,562	53,703	1.0	0	0	0	288.0	948.0	\$79	\$60	\$78	\$217	\$342,100	0.17
WASHINGTON	591.04	7.04	3.8	4	2	3	0	16,230	445	15,785	0.8	0	0	0	133.0	187.0	\$68	\$46	\$35	\$149	\$87,894	0.11
OZAUKEE	321.1	5.94	5.0	3	2	1	0	9,951	300	9,651	0.9	0	0	0	69.0	82.0	\$75	\$40	\$32	\$147	\$47,172	0.16
WAUKESHA	1059.84	4.61	4.5	0	2	0	0	41,600	864	40,736	0.8	0	0	0	251.0	220.0	\$63	\$35	\$30	\$128	\$135,770	0.18
RACINE	774.85	5.16	5.3	1	2	0	1	18,000	499	17,501	0.6	0	0	0	91.0	234.0	\$55	\$35	\$33	\$123	\$95,295	0.12
KENOSHA	674.4	2.06	0.7	0	1	0	0	13,300	168	13,132	0.2	0	0	0	103.0	0.0	\$20	\$13	\$9	\$42	\$28,139	0.12
WALWORTH	697.33	2.35	2.0	2	1	1	0	19,050	129	18,921	0.2	0	0	0	76.0	30.0	\$18	\$11	\$9	\$39	\$27,201	0.08
Region Total	--	--	--	--	--	--	--	173,396	3,967	169,429	--	0	0	0	--	--	--	--	--	--	\$763,571	
Region Average	4.71	3.7		1.4	1.7	0.7	0.1	24,771	567	24,204	0.7	0	0	0	144.4	243.0	\$54	\$34	\$32	\$121	\$109,082	0.13

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				Anti- Icing	Storms	Incident											Mat'l	Equip	Labor	Total		
DODGE	667.73	5.94	5.0	4	2	2	0	19,970	478	19,492	0.7	0	0	0	122.0	185.0	\$62	\$41	\$30	\$133	\$88,577	0.12
JUNEAU	500.96	4.06	1.7	1	2	0	0	10,569	326	10,243	0.7	0	0	0	61.0	99.0	\$68	\$27	\$20	\$116	\$57,914	0.16
SAUK	594.09	3.91	2.0	0	2	0	0	16,268	314	15,954	0.5	0	0	0	37.0	214.0	\$56	\$29	\$28	\$113	\$67,080	0.14
COLUMBIA	801.13	7.45	1.7	4	2	1	1	24,992	478	24,514	0.6	0	0	0	61.0	175.0	\$66	\$27	\$19	\$112	\$89,807	0.08
MONROE	679.49	4.26	3.0	0	2	0	0	13,755	478	13,277	0.7	0	0	0	64.0	141.0	\$69	\$25	\$17	\$111	\$75,377	0.17
VERNON	469.79	9.17	2.7	1	5	0	0	6,988	218	6,770	0.5	0	0	0	45.0	154.0	\$47	\$37	\$24	\$108	\$50,564	0.05
IOWA	457.1	5.49	3.0	1	3	0	0	8,478	164	8,314	0.4	0	0	0	116.0	107.0	\$35	\$34	\$31	\$101	\$46,040	0.07
LAFAYETTE	294.51	6.67	3.0	1	2	2	0	3,507	103	3,404	0.3	0	0	69	71.0	49.0	\$36	\$33	\$21	\$90	\$26,427	0.05
GRANT	646.92	6.31	3.0	0	2	2	0	10,132	232	9,900	0.4	0	0	80	32.0	107.0	\$37	\$19	\$13	\$69	\$44,722	0.06
CRAWFORD	398.22	8.44	2.0	1	2	3	1	5,072	111	4,961	0.3	0	0	0	77.0	41.0	\$27	\$25	\$16	\$68	\$27,188	0.03
JEFFERSON	552.87	5.47	3.5	3	2	1	0	16,157	61	16,096	0.1	0	0	0	73.0	116.0	\$13	\$31	\$22	\$66	\$36,522	0.02
GREEN	311.98	5.52	3.0	1	2	1	0	3,846	64	3,782	0.2	0	0	0	24.0	55.0	\$25	\$22	\$15	\$62	\$19,424	0.04
RICHLAND	321.78	1.87	2.0	0	1	1	0	3,652	58	3,594	0.2	0	0	0	17.0	28.0	\$18	\$11	\$7	\$37	\$11,867	0.10
DANE	1665.78	1.89	0.1	1	1	0	0	53,583	60	53,523	0.0	0	0	0	89.0	29.0	\$3	\$5	\$6	\$15	\$24,691	0.02
ROCK	791.89	1.60	0.5	1	1	0	0	15,286	11	15,275	0.0	0	0	0	28.0	15.0	\$2	\$6	\$4	\$12	\$9,591	0.01
Region Total	--	--	--	--	--	--	--	212,255	3,156	209,099	--	0	0	149	--	--	--	--	--	--	\$675,790	
Region Average		5.20	2.4	1.3	2.1	0.9	0.1	14,150	210	13,940	0.4	0	0	10	61.1	101.0	\$38	\$25	\$18	\$81	\$45,053	0.07

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			Anti-Icing	Storms	Incident											Mat'l	Equip	Labor	Total		
Statewide Total	--	--	--	--	--	--	767,834	16,278	751,556	--	0	0	204.0	--	--	--	--	--	--	\$3,432,653	--
Statewide Average	5.51	3.8	1.6	2.2	0.9	0.2	10,815	229	10,585	0.5	0.0	0.0	2.9	89.3	88.7	\$47	\$32	\$22	\$101	\$48,347	0.09