

Storm Report Summary - Thru Week 20 (3/18/21)

From Winter Storm Reports, 2020-2021

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 \$80 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	249.56	119.54	115.3	2	40	11	12	7,300	2,597	4,703	10.4	0	0	33	878.0	763.0	\$953	\$497	\$316	\$1,767	\$440,883	0.09
VILAS	307.26	120.45	76.9	3	44	23	25	9,550	2,407	7,143	7.8	0	0	854	1773.0	280.0	\$810	\$516	\$303	\$1,629	\$500,609	0.07
PRICE	320.19	102.53	68.7	10	36	17	15	6,700	2,398	4,302	7.5	0	0	0	1144.0	770.0	\$757	\$479	\$279	\$1,514	\$484,881	0.07
SHAWANO	524.17	62.87	47.9	5	26	18	7	10,288	2,903	7,385	5.5	0	0	256	2113.0	1105.0	\$435	\$669	\$327	\$1,431	\$750,145	0.09
ONEIDA	396.79	104.94	60.2	7	35	12	19	10,450	1,995	8,455	5.0	0	0	691	2511.0	660.0	\$511	\$501	\$380	\$1,391	\$551,736	0.05
LINCOLN	405.55	98.65	59.5	11	31	12	17	6,700	2,541	4,159	6.3	0	0	1060	1316.0	804.0	\$676	\$409	\$264	\$1,350	\$547,454	0.06
ADAMS	193.2	59.73	44.3	12	18	12	11	4,300	1,649	2,651	8.5	0	0	0	584.0	196.0	\$850	\$311	\$183	\$1,344	\$259,699	0.14
MARATHON	874.81	77.67	40.3	26	29	26	9	15,400	5,306	10,094	6.1	0	22	301	2698.0	2564.0	\$591	\$428	\$306	\$1,325	\$1,158,915	0.08
FLORENCE	141.07	79.71	51.9	5	29	13	10	3,680	1,289	2,391	9.1	0	0	138	520.0	114.0	\$822	\$340	\$154	\$1,316	\$185,708	0.11
PORTAGE	577.47	65.28	50.0	13	26	13	9	9,039	2,952	6,087	5.1	0	0	555	3445.0	214.0	\$478	\$520	\$264	\$1,262	\$728,488	0.08
WAUPACA	549.78	52.64	38.5	5	17	11	5	11,400	4,111	7,289	7.5	0	0	162	1126.0	1054.0	\$623	\$320	\$217	\$1,160	\$637,840	0.14
MENOMINEE	90.26	44.89	35.0	0	21	13	0	2,350	929	1,421	10.3	0	0	132	208.0	46.0	\$815	\$225	\$120	\$1,160	\$104,731	0.23
MARQUETTE	245.75	63.13	42.4	10	24	10	8	4,850	1,172	3,678	4.8	0	0	70	641.0	536.0	\$524	\$336	\$279	\$1,139	\$279,922	0.08
FOREST	312.38	66.94	53.7	1	30	2	3	7,615	2,058	5,557	6.6	0	0	0	861.0	564.0	\$585	\$323	\$198	\$1,107	\$345,666	0.10
GREEN LAKE	158.44	65.46	33.7	2	20	10	10	2,148	952	1,196	6.0	0	0	0	279.0	349.0	\$501	\$289	\$229	\$1,019	\$161,396	0.09
WOOD	429.28	67.88	47.6	17	24	12	9	8,000	1,943	6,057	4.5	0	0	291	996.0	772.0	\$448	\$301	\$219	\$968	\$415,507	0.07
WAUSHARA	345.01	58.21	48.6	0	18	15	3	4,600	1,392	3,208	4.0	0	0	20	708.0	451.0	\$358	\$269	\$164	\$790	\$272,625	0.07
LANGLADE	299.21	85.98	51.0	14	34	14	12	6,450	658	5,792	2.2	0	0	59	848.0	458.0	\$218	\$329	\$207	\$754	\$225,467	0.03
Region Total	--	--	--	--	--	--	--	130,820	39,252	91,568	--	0	22	4622	--	--	--	--	--	--	\$8,051,673	
Region Average	77.58	53.6		7.9	27.9	13.6	10.2	7,268	2,181	5,087	6.5	0	1	257	1258.3	650.0	\$609	\$392	\$245	\$1,246	\$447,315	0.09

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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		
FOND DU LAC	609.08	51.49	44.1	10	16	14	2	11,080	4,416	6,664	7.3	0	0	12	1518.0	2209.0	\$650	\$448	\$366	\$1,464	\$891,848	0.14
WINNEBAGO	655.97	53.58	31.6	17	16	25	4	12,695	4,979	7,716	7.6	0	0	30	2137.0	1843.0	\$639	\$414	\$315	\$1,369	\$897,890	0.14
MANITOWOC	426.65	50.37	32.0	19	19	3	5	9,115	3,606	5,509	8.5	0	0	75	1709.0	897.0	\$582	\$478	\$281	\$1,340	\$571,758	0.17
SHEBOYGAN	528.68	55.94	54.1	19	17	27	0	11,198	3,328	7,870	6.3	0	0	0	1276.0	1412.0	\$608	\$396	\$318	\$1,322	\$699,017	0.11
BROWN	902.7	44.06	33.1	37	22	0	0	20,996	6,726	14,270	7.5	0	0	54	1389.0	3129.0	\$565	\$396	\$298	\$1,260	\$1,137,287	0.17
CALUMET	202.44	52.63	31.1	14	21	22	0	2,750	959	1,791	4.7	0	0	0	863.0	436.0	\$355	\$474	\$323	\$1,151	\$233,086	0.09
OUTAGAMIE	540.63	44.52	26.5	2	12	11	4	11,140	3,132	8,008	5.8	0	0	0	1523.0	1064.0	\$471	\$306	\$315	\$1,092	\$590,342	0.13
KEWAUNEE	111.35	67.36	53.1	4	22	11	4	1,701	695	1,006	6.2	0	0	108	243.0	203.0	\$556	\$320	\$214	\$1,091	\$121,118	0.09
MARINETTE	436.66	62.44	52.2	25	23	23	4	8,910	2,991	5,919	6.8	0	0	114	1020.0	807.0	\$514	\$308	\$231	\$1,053	\$459,680	0.11
DOOR	271.88	65.85	29.7	21	21	16	5	4,956	1,246	3,710	4.6	0	0	257	481.0	630.0	\$385	\$327	\$279	\$991	\$269,400	0.07
OCONTO	469.52	64.96	38.9	16	23	15	7	7,203	2,486	4,717	5.3	0	0	0	1238.0	820.0	\$407	\$327	\$237	\$971	\$456,122	0.08
Region Total	--	--	--	--	--	--	--	101,744	34,564	67,180	--	0	0	650	--	--	--	--	--	--	\$6,327,548	
Region Average	55.75	38.8	16.7	19.3	15.2	3.2	9,249	3,142	6,107	6.4	0	0	59	1217.9	1222.7	\$521	\$381	\$289	\$1,191	\$575,232	0.12	

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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		
BARRON	428.77	86.56	57.9	10	30	42	7	6,300	4,540	1,760	10.6	0	0	877	2947.0	1257.0	\$934	\$706	\$486	\$2,127	\$911,439	0.12
DUNN	519.24	76.34	42.4	6	32	10	3	13,291	6,700	6,591	12.9	0	0	261	1417.0	1455.0	\$1,033	\$428	\$354	\$1,815	\$942,669	0.17
BAYFIELD	316.42	124.86	86.6	4	45	31	4	7,890	3,461	4,429	10.9	0	0	267	1507.0	862.0	\$804	\$598	\$393	\$1,794	\$567,366	0.09
ASHLAND	245.35	111.54	83.3	7	36	21	16	4,492	1,886	2,606	7.7	0	0	76	1797.0	803.0	\$681	\$523	\$512	\$1,716	\$421,135	0.07
SAINT CROIX	653.71	72.25	63.0	2	28	11	8	16,197	7,614	8,583	11.6	0	0	666	1587.0	2444.0	\$895	\$493	\$319	\$1,708	\$1,116,415	0.16
TAYLOR	233.9	99.46	39.4	22	34	41	14	4,385	1,963	2,422	8.4	0	0	59	851.0	660.0	\$883	\$490	\$328	\$1,701	\$397,889	0.08
DOUGLAS	465.89	83.25	60.2	18	31	31	8	10,863	4,737	6,126	10.2	0	0	184	2540.0	964.0	\$683	\$509	\$364	\$1,557	\$725,174	0.12
WASHBURN	372.14	73.17	59.0	7	31	16	10	8,027	3,807	4,220	10.2	0	0	183	1136.0	1011.0	\$761	\$462	\$316	\$1,539	\$572,559	0.14
CHIPPEWA	654.65	66.76	51.5	5	25	16	7	14,522	4,901	9,621	7.5	0	0	675	1569.0	2390.0	\$655	\$485	\$331	\$1,470	\$962,110	0.11
PIERCE	369.46	82.67	48.8	2	31	18	9	6,040	3,196	2,844	8.7	0	0	536	1375.0	928.0	\$700	\$427	\$334	\$1,461	\$539,666	0.10
CLARK	402.56	53.44	44.0	5	21	18	6	7,250	3,874	3,376	9.6	0	0	0	660.0	886.0	\$908	\$300	\$205	\$1,413	\$568,846	0.18
PEPIN	112.38	60.36	40.7	9	21	7	10	1,279	540	739	4.8	0	0	11	455.0	373.0	\$411	\$510	\$387	\$1,308	\$146,993	0.08
EAU CLAIRE	540.7	60.85	28.8	5	25	2	7	12,452	3,922	8,530	7.3	0	0	16	1500.0	1910.0	\$612	\$366	\$328	\$1,306	\$705,928	0.12
SAWYER	367.44	80.82	71.5	0	34	9	14	6,700	3,113	3,587	8.5	0	0	94	747.0	809.0	\$740	\$312	\$238	\$1,289	\$473,684	0.10
RUSK	213.47	74.85	54.8	4	31	10	9	3,466	1,562	1,904	7.3	0	0	99	761.0	264.0	\$671	\$349	\$216	\$1,236	\$263,744	0.10
JACKSON	515.44	48.55	36.5	1	18	10	7	11,590	3,719	7,871	7.2	0	0	0	939.0	956.0	\$626	\$366	\$176	\$1,168	\$601,991	0.15
POLK	385.81	58.47	40.3	0	22	7	13	8,365	2,935	5,430	7.6	0	0	329	601.0	676.0	\$671	\$247	\$193	\$1,110	\$428,211	0.13
BURNETT	237.93	75.40	48.3	7	28	9	11	3,301	1,722	1,579	7.2	0	0	10	371.0	595.0	\$539	\$311	\$214	\$1,064	\$253,128	0.10
TREMPEALEAU	443.67	51.62	39.9	3	23	1	10	8,757	2,999	5,758	6.8	0	0	0	549.0	868.0	\$554	\$234	\$179	\$967	\$429,161	0.13
BUFFALO	317.02	72.25	47.5	6	24	18	9	3,301	1,447	1,854	4.6	0	0	27	848.0	617.0	\$377	\$315	\$214	\$906	\$287,353	0.06
Region Total	--	--	--	--	--	--	--	158,468	68,638	89,830	--	0	0	4370	--	--	--	--	--	--	\$11,315,462	
Region Average	75.67	52.2		6.2	28.5	16.4	9.1	7,923	3,432	4,492	8.5	0	0	219	1207.9	1036.4	\$707	\$422	\$304	\$1,433	\$565,773	0.12

Final totals as of Wednesday, March 24, 2021

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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	2005.05	53.56	44.9	1	13	4	1	55,324	25,649	29,675	12.8	0	0	0	6052.0	11298.0	\$949	\$558	\$695	\$2,202	\$4,414,506	0.24
RACINE	731.45	71.90	73.5	14	21	23	3	17,956	4,426	13,530	6.1	0	0	0	2787.0	4400.0	\$478	\$809	\$680	\$1,967	\$1,438,580	0.08
WASHINGTON	607.17	70.10	59.5	11	24	21	3	16,132	5,582	10,550	9.2	0	0	0	2129.0	2706.0	\$755	\$579	\$458	\$1,792	\$1,087,986	0.13
WALWORTH	708.76	77.39	71.5	14	23	26	4	19,491	6,557	12,934	9.3	0	0	0	2875.0	2523.0	\$678	\$525	\$459	\$1,662	\$1,178,302	0.12
OZAUKEE	309.78	48.15	52.1	4	16	0	4	9,951	2,553	7,398	8.2	0	0	0	735.0	758.0	\$609	\$362	\$299	\$1,270	\$393,488	0.17
WAUKESHA	1110.54	49.56	39.9	17	13	5	9	41,670	7,579	34,091	6.8	0	0	0	3512.0	1852.0	\$536	\$338	\$279	\$1,152	\$1,279,625	0.14
KENOSHA	670.04	9.36	1.8	0	4	0	1	13,860	304	13,556	0.5	0	0	0	107.0	77.0	\$30	\$20	\$16	\$67	\$44,718	0.05
Region Total	--	--	--	--	--	--	--	174,384	52,650	121,734	--	0	0	0	--	--	--	--	--	--	\$9,837,205	
Region Average	54.29	49.0		8.7	16.3	11.3	3.6	24,912	7,521	17,391	7.5	0	0	0	2599.6	3373.4	\$576	\$456	\$412	\$1,445	\$1,405,315	0.13

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				Anti- Icing	Storms	Incident											Mat'l	Equip	Labor	Total		
DANE	1666.77	67.95	48.4	7	21	0	8	53,430	17,367	36,063	10.4	0	0	49	3801.0	11003.0	\$860	\$659	\$757	\$2,277	\$3,795,508	0.15
COLUMBIA	795.19	94.80	41.8	34	15	39	7	24,982	9,378	15,604	11.8	0	0	378	3185.0	2587.0	\$1,065	\$578	\$390	\$2,032	\$1,616,172	0.12
DODGE	638.15	50.55	55.5	24	17	10	2	19,921	7,016	12,905	11.0	0	0	8	1546.0	2992.0	\$839	\$567	\$446	\$1,852	\$1,181,622	0.22
JUNEAU	496.27	75.12	38.0	14	24	15	8	10,968	5,008	5,960	10.1	0	0	394	1630.0	1643.0	\$867	\$470	\$387	\$1,724	\$855,460	0.13
GRANT	624.93	79.11	56.0	2	23	32	6	10,601	6,593	4,008	10.5	0	0	1493	2405.0	2233.0	\$813	\$538	\$357	\$1,708	\$1,067,630	0.13
SAUK	625.18	51.87	35.4	24	18	11	3	16,237	5,866	10,371	9.4	0	0	0	1840.0	1982.0	\$900	\$418	\$298	\$1,615	\$1,009,645	0.18
MONROE	666.31	71.94	41.3	13	23	14	9	15,765	6,679	9,086	10.0	0	0	57	1615.0	1980.0	\$837	\$421	\$274	\$1,533	\$1,021,562	0.14
GREEN	314.64	76.53	60.0	8	22	39	9	4,359	1,584	2,775	5.0	0	20	142	1439.0	1272.0	\$481	\$660	\$382	\$1,523	\$479,276	0.07
JEFFERSON	549.67	73.36	60.7	8	22	18	9	14,868	2,091	12,777	3.8	0	0	91	1550.0	2711.0	\$319	\$609	\$486	\$1,414	\$777,214	0.05
LAFAYETTE	299.38	69.61	65.9	4	22	12	11	3,586	2,135	1,451	7.1	0	0	1325	650.0	1050.0	\$617	\$425	\$281	\$1,323	\$396,047	0.10
IOWA	476.71	67.18	49.9	10	20	19	4	8,548	3,359	5,189	7.0	0	0	96	1470.0	1618.0	\$552	\$456	\$308	\$1,316	\$627,440	0.10
VERNON	477.82	69.76	47.2	24	23	17	3	8,179	3,135	5,044	6.6	0	0	0	984.0	1478.0	\$532	\$389	\$244	\$1,165	\$556,558	0.09
RICHLAND	327.64	46.05	39.0	10	15	22	2	3,867	1,432	2,435	4.4	0	0	129	981.0	773.0	\$397	\$375	\$253	\$1,025	\$335,804	0.09
CRAWFORD	397.19	63.58	42.2	13	17	27	4	5,572	2,008	3,564	5.1	0	0	445	1244.0	739.0	\$427	\$361	\$236	\$1,024	\$406,426	0.08
ROCK	805.66	13.58	16.5	1	4	1	1	16,922	1,309	15,613	1.6	0	0	0	359.0	711.0	\$141	\$104	\$81	\$327	\$263,142	0.12
LA CROSSE	500.84	11.01	7.0	7	3	1	3	10,010	293	9,717	0.6	0	0	0	211.0	235.0	\$65	\$69	\$48	\$182	\$91,359	0.05
Region Total	--	--	--	--	--	--	--	227,815	75,253	152,562	--	0	20	4607	--	--	--	--	--	--	\$14,480,865	
Region Average	61.38	44.0		12.7	18.1	17.3	5.6	14,238	4,703	9,535	7.2	0	1	288	1556.9	2187.9	\$607	\$444	\$327	\$1,378	\$905,054	0.12

Storm Report Summary - Thru Week 20 (3/18/21)

From Winter Storm Reports, 2020-2021

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 \$80 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.

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		
Statewide Total	--	--	--	--	--	--	793,231	270,357	522,874	--	0	42	14249.0	--	--	--	--	--	--	\$50,012,753	--
Statewide Average	67.85	48.4	9.9	23.4	15.2	7.2	11,017	3,755	7,262	7.3	0.0	0.6	197.9	1434.9	1451.4	\$619	\$416	\$303	\$1,338	\$694,622	0.11