

# Storm Report Summary through Week 8 ending 12/21/2017

## From Winter Storm Reports, 2017-2018

Notes: 1) Costs shown in table are estimated and do not include the Administrative Costs; 2) Material Costs includes Salt, Sand, and other Deicing and Anti-icing Agents; 3) Equipment Costs are based on \$60 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 seasonal fill plus seasonal fill plus vendor reserve available. 6) Some Material Costs are low or zero value because DOT does not have updated values at the time this report was created.

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		
VILAS	305.24	47.77	41.8	0	18	10	6	9,493	2,222	7,271	7.3	0	0	108	768.0	437.0	\$567	\$227	\$182	\$977	\$297,981	0.15
IRON	249.56	59.31	73.1	0	19	5	5	6,522	1,760	4,762	7.1	0	0	1	619.0	415.0	\$519	\$226	\$205	\$951	\$235,125	0.12
ONEIDA	396.79	55.95	41.1	1	22	3	8	9,893	1,992	7,901	5.0	0	0	348	1391.0	321.0	\$374	\$202	\$197	\$773	\$306,608	0.09
PRICE	322.26	54.12	36.1	5	22	1	7	6,625	1,485	5,140	4.6	0	0	0	596.0	414.0	\$376	\$177	\$129	\$682	\$221,720	0.09
FLORENCE	141.07	43.75	35.1	4	16	5	2	3,366	793	2,573	5.6	0	0	0	279.0	88.0	\$381	\$159	\$113	\$653	\$92,067	0.13
LINCOLN	405.55	38.31	30.6	7	12	1	7	6,513	1,234	5,279	3.0	0	0	272	749.0	308.0	\$277	\$148	\$120	\$546	\$217,149	0.08
FOREST	312.38	52.50	38.4	0	21	1	9	8,069	1,431	6,638	4.6	0	0	8	528.0	220.0	\$314	\$131	\$91	\$535	\$165,193	0.09
MARATHON	874.81	26.66	14.4	16	12	4	2	14,382	2,482	11,900	2.8	0	0	3	1324.0	610.0	\$236	\$118	\$109	\$463	\$502,378	0.11
SHAWANO	520.57	23.02	18.4	2	9	2	2	9,576	1,669	7,907	3.2	0	0	0	572.0	415.0	\$200	\$106	\$87	\$393	\$204,110	0.14
PORTAGE	584.63	17.12	13.2	3	8	1	2	8,584	1,295	7,289	2.2	0	0	94	590.0	467.0	\$167	\$108	\$87	\$363	\$211,171	0.13
LANGLADE	299.21	30.55	27.5	10	10	5	2	6,067	595	5,472	2.0	0	0	0	433.0	207.0	\$126	\$117	\$98	\$341	\$102,045	0.07
MENOMINEE	90.26	19.61	19.5	0	9	4	0	1,963	349	1,614	3.9	0	0	7	69.0	28.0	\$235	\$64	\$40	\$340	\$30,655	0.20
WAUPACA	546.74	11.65	8.5	2	5	1	0	9,757	1,407	8,350	2.6	0	0	0	401.0	231.0	\$169	\$68	\$54	\$291	\$158,140	0.22
WOOD	422.62	16.27	13.0	3	8	1	3	7,038	840	6,198	2.0	0	0	26	136.0	203.0	\$152	\$47	\$39	\$239	\$100,240	0.12
ADAMS	193.2	16.65	5.1	8	5	0	4	3,447	325	3,122	1.7	0	0	0	113.0	29.0	\$148	\$41	\$36	\$225	\$43,373	0.10
MARQUETTE	245.75	8.63	5.0	3	4	1	1	4,098	453	3,645	1.8	0	0	0	93.0	103.0	\$130	\$41	\$40	\$211	\$51,800	0.21
GREEN LAKE	158.44	14.48	6.5	3	5	0	3	1,848	161	1,687	1.0	0	0	0	51.0	42.0	\$75	\$34	\$31	\$140	\$22,074	0.07
WAUSHARA	345.01	8.27	3.3	0	4	1	1	4,029	144	3,885	0.4	0	0	0	49.0	51.0	\$28	\$17	\$13	\$58	\$20,040	0.05
<b>Region Total</b>	--	--	--	--	--	--	--	121,270	20,637	100,633	--	0	0	867	--	--	--	--	--	--	\$2,981,871	
<b>Region Average</b>	30.26	23.9		3.7	11.6	2.6	3.6	6,737	1,147	5,591	3.4	0	0	48	486.7	254.9	\$249	\$113	\$93	\$454	\$165,660	0.12

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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		
WINNEBAGO	626.56	19.92	4.5	3	8	1	2	12,160	1,802	10,358	2.9	0	0	0	491.0	536.0	\$330	\$90	\$88	\$507	\$277,961	0.14
MARINETTE	436.66	30.36	22.2	14	11	11	1	7,338	1,477	5,861	3.4	0	0	0	925.0	139.0	\$220	\$113	\$109	\$443	\$193,261	0.11
BROWN	890.4	20.13	13.8	11	8	0	1	14,035	2,865	11,170	3.2	0	0	0	1022.0	775.0	\$189	\$121	\$96	\$406	\$359,514	0.16
DOOR	271.8	23.06	12.9	2	9	3	2	4,865	767	4,098	2.8	0	0	0	156.0	290.0	\$189	\$98	\$102	\$390	\$105,249	0.12
OUTAGAMIE	538.63	15.63	13.9	3	8	0	3	10,117	1,208	8,909	2.2	0	0	0	612.0	320.0	\$185	\$77	\$85	\$347	\$173,677	0.14
MANITOWOC	426.01	17.09	11.1	4	4	4	2	8,448	1,285	7,163	3.0	0	0	0	274.0	199.0	\$182	\$66	\$52	\$301	\$128,064	0.18
FOND DU LAC	605.3	13.97	8.0	3	4	4	1	10,370	1,354	9,016	2.2	0	0	0	267.0	388.0	\$167	\$60	\$60	\$287	\$169,774	0.16
SHEBOYGAN	527.86	11.09	5.6	5	5	2	0	10,330	1,235	9,095	2.3	0	0	0	373.0	215.0	\$168	\$64	\$53	\$285	\$148,239	0.21
CALUMET	201.71	16.04	9.3	3	6	1	2	2,771	292	2,479	1.4	0	0	0	185.0	111.0	\$99	\$72	\$65	\$236	\$47,148	0.09
KEWAUNEE	111.35	18.51	11.9	2	7	1	2	1,600	117	1,483	1.1	0	0	0	89.0	30.0	\$89	\$64	\$50	\$203	\$21,373	0.06
OCONTO	468.9	18.72	9.9	1	8	0	2	7,191	620	6,571	1.3	0	0	0	157.0	182.0	\$86	\$43	\$38	\$167	\$77,989	0.07
<b>Region Total</b>	--	--	--	--	--	--	--	89,225	13,022	76,203	--	0	0	0	--	--	--	--	--	--	\$1,702,249	
<b>Region Average</b>	18.59	11.2		4.6	7.1	2.5	1.6	8,111	1,184	6,928	2.4	0	0	0	413.7	289.5	\$173	\$79	\$73	\$325	\$154,750	0.13

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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		
BAYFIELD	316.42	46.81	43.1	3	14	6	8	6,780	2,096	4,684	6.6	0	0	0	780.0	353.0	\$427	\$215	\$156	\$797	\$252,288	0.14
WASHBURN	372.14	30.35	26.2	1	16	2	3	7,281	2,695	4,586	7.2	0	0	0	646.0	320.0	\$475	\$156	\$117	\$748	\$278,322	0.24
ASHLAND	245.35	51.30	54.0	2	21	2	10	4,427	1,258	3,169	5.1	0	0	0	526.0	264.0	\$356	\$187	\$163	\$706	\$173,201	0.10
BARRON	428.77	37.52	22.5	1	13	17	1	5,544	1,976	3,568	4.6	0	0	168	1034.0	416.0	\$322	\$182	\$149	\$654	\$280,209	0.12
DOUGLAS	451.4	49.34	42.3	2	18	3	2	10,076	2,696	7,380	6.0	0	0	9	793.0	538.0	\$350	\$157	\$145	\$652	\$294,392	0.12
TAYLOR	233.9	38.73	17.5	9	14	6	4	4,031	1,034	2,997	4.4	0	0	0	288.0	227.0	\$406	\$127	\$105	\$638	\$144,640	0.11
BURNETT	237.93	26.67	24.8	0	12	4	0	3,489	1,345	2,144	5.7	0	0	0	245.0	239.0	\$368	\$101	\$108	\$576	\$137,148	0.21
CLARK	402.56	35.57	18.8	6	12	8	3	6,721	1,443	5,278	3.6	0	0	0	314.0	396.0	\$270	\$104	\$92	\$467	\$187,927	0.10
SAWYER	367.44	34.77	25.7	0	16	6	3	5,918	1,359	4,559	3.7	0	0	0	281.0	315.0	\$278	\$95	\$83	\$456	\$167,410	0.11
SAINT CROIX	645.34	28.28	21.0	0	12	5	2	14,123	2,572	11,551	4.0	0	0	0	428.0	477.0	\$273	\$84	\$80	\$437	\$281,987	0.14
EAU CLAIRE	540.7	20.75	10.0	5	9	3	3	11,455	1,330	10,125	2.5	0	0	0	656.0	354.0	\$199	\$83	\$83	\$364	\$195,485	0.12
DUNN	519.24	18.81	7.5	4	9	3	1	11,877	1,420	10,457	2.7	0	0	0	379.0	300.0	\$205	\$74	\$75	\$355	\$183,656	0.15
RUSK	213.47	17.24	7.5	0	11	1	0	3,104	521	2,583	2.4	0	0	8	189.0	71.0	\$179	\$65	\$53	\$297	\$63,434	0.14
PEPIN	112.38	20.59	9.3	6	8	0	4	1,158	114	1,044	1.0	0	0	0	216.0	47.0	\$76	\$117	\$100	\$293	\$32,942	0.05
JACKSON	515.44	14.96	10.5	0	9	1	0	10,367	725	9,642	1.4	0	0	0	80.0	218.0	\$107	\$146	\$31	\$284	\$146,573	0.09
PIERCE	369.46	20.96	10.5	2	9	5	2	5,618	677	4,941	1.8	0	0	6	328.0	114.0	\$131	\$62	\$60	\$253	\$93,127	0.09
TREMPELEAU	442.48	16.19	12.0	2	9	0	1	7,475	854	6,621	1.9	0	0	0	142.0	241.0	\$136	\$47	\$45	\$228	\$101,001	0.12
BUFFALO	317.02	16.15	8.2	1	8	1	2	2,919	471	2,448	1.5	0	0	2	177.0	109.0	\$102	\$46	\$41	\$189	\$59,926	0.09
POLK	385.81	10.26	3.8	1	5	0	1	7,991	276	7,715	0.7	0	0	0	110.0	41.0	\$51	\$22	\$20	\$93	\$35,730	0.07
CHIPPEWA	654.65	5.39	0.1	1	1	0	2	13,387	20	13,367	0.0	0	0	0	14.0	38.0	\$2	\$4	\$5	\$11	\$7,182	0.01
<b>Region Total</b>	--	--	--	--	--	--	--	143,741	24,882	118,859	--	0	0	193	--	--	--	--	--	--	\$3,116,578	
<b>Region Average</b>	27.03	18.8		2.3	11.3	3.7	2.6	7,187	1,244	5,943	3.3	0	0	10	381.3	253.9	\$236	\$104	\$86	\$425	\$155,829	0.12

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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	Inci- dent											Mat'l	Equip	Labor	Total		
WASHINGTON	611.91	12.35	5.4	4	5	0	1	15,922	1,701	14,221	2.8	0	0	0	176.0	371.0	\$177	\$52	\$52	\$281	\$171,997	0.23
OZAUKEE	309.19	11.82	6.7	3	5	1	1	9,689	909	8,780	2.9	0	0	0	195.0	110.0	\$168	\$60	\$50	\$277	\$85,720	0.25
KENOSHA	653.56	10.28	2.7	6	6	0	0	12,366	867	11,499	1.3	0	0	0	507.0	247.0	\$82	\$64	\$64	\$210	\$137,152	0.13
MILWAUKEE	1955.81	4.24	1.2	6	2	1	0	53,588	1,931	51,657	1.0	0	0	0	600.0	807.0	\$80	\$35	\$56	\$171	\$329,886	0.23
WALWORTH	706.95	7.97	0.7	6	3	6	0	18,210	920	17,290	1.3	0	0	0	324.0	111.0	\$77	\$34	\$32	\$144	\$101,378	0.16
WAUKESHA	1073.97	2.86	1.1	0	2	0	0	35,409	189	35,220	0.2	0	0	0	35.0	65.0	\$11	\$6	\$6	\$22	\$23,713	0.06
RACINE	681.88	4.76	0.1	1	1	1	1	17,586	27	17,559	0.0	0	0	0	11.0	6.0	\$3	\$1	\$1	\$5	\$3,616	0.01
<b>Region Total</b>	--	--	--	--	--	--	--	162,770	6,544	156,226	--	0	0	0	--	--	--	--	--	--	\$853,462	
<b>Region Average</b>	7.75	2.6		3.7	3.4	1.3	0.4	23,253	935	22,318	1.4	0	0	0	264.0	245.3	\$85	\$36	\$37	\$159	\$121,923	0.15

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Region SW 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		
GREEN	314.64	9.50	0.5	5	5	0	1	3,264	60	3,204	0.2	0	0	0	35.0	46.0	\$14	\$912	\$12	\$938	\$295,167	0.02
MONROE	654.43	6.71	2.1	6	3	0	1	12,045	543	11,502	0.8	0	0	0	136.0	168.0	\$645	\$27	\$20	\$692	\$453,006	0.12
DODGE	637.85	12.55	8.0	6	5	2	0	18,021	1,886	16,135	3.0	0	0	0	382.0	543.0	\$214	\$87	\$76	\$378	\$239,280	0.24
LA CROSSE	503.31	10.80	3.0	6	4	3	1	8,635	467	8,168	0.9	0	0	0	192.0	212.0	\$91	\$44	\$43	\$178	\$121,873	0.09
COLUMBIA	787.4	8.36	3.0	9	3	5	0	23,826	852	22,974	1.1	0	0	0	179.0	222.0	\$84	\$29	\$29	\$143	\$112,239	0.13
JUNEAU	496.27	13.10	2.9	3	7	0	1	8,887	439	8,448	0.9	0	0	0	107.0	140.0	\$71	\$27	\$27	\$125	\$62,093	0.07
VERNON	468.36	13.29	3.7	11	5	3	1	7,043	348	6,695	0.7	0	0	0	164.0	168.0	\$51	\$38	\$32	\$121	\$57,564	0.06
RICHLAND	327.64	12.09	2.6	4	3	1	3	3,414	157	3,257	0.5	0	0	0	221.0	66.0	\$36	\$45	\$39	\$120	\$39,332	0.04
JEFFERSON	549.67	12.00	3.6	7	4	3	1	13,584	455	13,129	0.8	0	0	0	164.0	108.0	\$55	\$30	\$26	\$111	\$60,942	0.07
CRAWFORD	395.79	17.57	3.2	5	5	6	2	4,968	262	4,706	0.7	0	0	61	159.0	79.0	\$47	\$32	\$26	\$105	\$41,640	0.04
SAUK	576.25	8.39	3.0	9	3	3	0	14,423	342	14,081	0.6	0	0	0	150.0	121.0	\$46	\$29	\$21	\$95	\$54,642	0.07
IOWA	473.13	7.74	2.0	4	4	1	0	7,179	241	6,938	0.5	0	0	0	116.0	89.0	\$36	\$23	\$21	\$80	\$37,633	0.07
GRANT	622.06	9.02	1.3	2	3	3	0	9,793	386	9,407	0.6	0	0	33	83.0	109.0	\$41	\$24	\$15	\$79	\$49,344	0.07
ROCK	686.5	5.73	2.5	0	3	1	0	14,871	436	14,435	0.6	0	0	0	46.0	159.0	\$41	\$17	\$19	\$77	\$52,906	0.11
LAFAYETTE	299.38	4.80	1.0	4	2	1	0	3,009	88	2,921	0.3	0	0	57	59.0	40.0	\$20	\$18	\$13	\$52	\$15,517	0.06
<b>Region Total</b>	--	--	--	--	--	--	--	152,962	6,962	146,000	--	0	0	151	--	--	--	--	--	--	\$1,693,177	
<b>Region Average</b>	10.11	2.8		5.4	3.9	2.1	0.7	10,197	464	9,733	0.8	0	0	10	146.2	151.3	\$99	\$92	\$28	\$220	\$112,878	0.08

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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	--	--	--	--	--	--	669,968	72,047	597,921	--	0	0	1211.0	--	--	--	--	--	--	\$10,347,338	--
Statewide Average	21.07	13.9	3.8	8.4	2.6	2.1	9,436	1,015	8,421	2.5	0.0	0.0	17.1	351.8	237.2	\$186	\$93	\$68	\$347	\$145,737	0.12