

# Storm Report Summary through Week 16 ending 2/15/2018

## 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	89.95	73.8	2	30	27	7	9,493	3,512	5,981	11.5	0	0	1222	1415.0	817.0	\$942	\$424	\$338	\$1,704	\$519,644	0.13
IRON	249.56	128.33	141.1	0	32	24	5	6,522	2,598	3,924	10.4	0	0	250	1245.0	716.0	\$797	\$429	\$384	\$1,610	\$397,913	0.08
ONEIDA	396.79	85.59	68.9	4	32	7	10	9,893	3,279	6,614	8.3	0	0	1747	2489.0	574.0	\$615	\$375	\$352	\$1,342	\$532,578	0.10
FLORENCE	141.07	89.56	63.1	8	27	19	7	3,366	1,490	1,876	10.6	0	0	26	684.0	128.0	\$718	\$342	\$240	\$1,300	\$183,404	0.12
MARATHON	874.81	74.28	36.9	25	25	21	5	14,382	6,949	7,433	7.9	0	0	255	4081.0	1436.0	\$652	\$343	\$304	\$1,299	\$1,281,187	0.11
LINCOLN	405.55	83.04	60.6	12	22	12	13	6,513	2,621	3,892	6.5	0	0	1489	1987.0	629.0	\$596	\$374	\$291	\$1,261	\$503,463	0.08
WAUPACA	546.74	47.72	22.0	2	18	10	1	9,757	5,906	3,851	10.8	0	0	74	1336.0	1310.0	\$709	\$285	\$238	\$1,231	\$669,321	0.23
ADAMS	193.2	49.66	26.7	12	18	4	7	3,447	1,884	1,563	9.8	0	0	0	535.0	165.0	\$814	\$203	\$178	\$1,195	\$230,553	0.20
SHAWANO	520.57	61.01	43.8	5	23	11	4	9,576	4,834	4,742	9.3	0	0	185	2034.0	1082.0	\$587	\$330	\$266	\$1,182	\$614,549	0.15
PORTAGE	584.63	49.81	24.1	5	20	10	6	8,584	3,829	4,755	6.5	0	0	795	2541.0	1120.0	\$504	\$376	\$285	\$1,166	\$678,933	0.13
PRICE	322.26	92.13	64.8	6	33	14	9	6,625	2,300	4,325	7.1	7	0	102	1368.0	572.0	\$576	\$327	\$235	\$1,138	\$366,993	0.08
WOOD	422.62	50.27	38.0	7	20	7	5	7,038	3,495	3,543	8.3	0	0	155	933.0	642.0	\$635	\$215	\$170	\$1,020	\$428,221	0.16
FOREST	312.38	78.14	57.0	0	30	8	11	8,069	2,463	5,606	7.9	0	0	68	1029.0	347.0	\$537	\$247	\$164	\$947	\$293,227	0.10
MENOMINEE	90.26	48.15	34.7	0	18	14	2	1,963	952	1,011	10.5	0	0	33	223.0	52.0	\$641	\$185	\$109	\$935	\$84,367	0.22
MARQUETTE	245.75	33.55	17.4	5	16	5	3	4,098	1,775	2,323	7.2	0	0	0	382.0	316.0	\$534	\$144	\$139	\$817	\$200,741	0.22
LANGLADE	299.21	54.57	33.5	12	15	15	5	6,067	1,215	4,852	4.1	0	0	61	755.0	285.0	\$257	\$192	\$156	\$604	\$180,843	0.07
WAUSHARA	345.01	45.12	28.9	0	19	9	2	4,029	1,241	2,788	3.6	0	0	0	821.0	142.0	\$237	\$167	\$108	\$513	\$176,881	0.08
GREEN LAKE	158.44	43.41	16.6	3	13	12	5	1,848	558	1,290	3.5	0	0	0	273.0	114.0	\$249	\$135	\$119	\$504	\$79,433	0.08
<b>Region Total</b>	--	--	--	--	--	--	--	121,270	50,901	70,369	--	7	0	6462	--	--	--	--	--	--	\$7,422,249	
<b>Region Average</b>	66.91	47.3		6.0	22.8	12.7	5.9	6,737	2,828	3,909	8.0	0	0	359	1340.6	580.4	\$589	\$283	\$226	\$1,098	\$412,347	0.13

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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		
MARINETTE	436.66	62.25	48.3	20	23	30	3	7,338	4,111	3,227	9.4	0	0	65	3002.0	626.0	\$639	\$352	\$379	\$1,371	\$596,406	0.15
BROWN	890.4	53.25	25.3	12	20	6	3	14,035	9,326	4,709	10.5	0	0	0	2618.0	2426.0	\$602	\$344	\$274	\$1,221	\$1,082,797	0.20
MANITOWOC	426.01	55.74	38.3	6	17	14	4	8,448	4,625	3,823	10.9	0	0	0	1638.0	655.0	\$655	\$321	\$239	\$1,215	\$517,771	0.19
DOOR	271.8	68.52	42.7	4	20	18	4	4,865	2,203	2,662	8.1	0	0	10	588.0	839.0	\$537	\$315	\$319	\$1,172	\$316,405	0.12
FOND DU LAC	605.3	46.93	28.0	4	15	13	2	10,370	4,552	5,818	7.5	0	0	0	1012.0	1493.0	\$610	\$317	\$232	\$1,159	\$671,825	0.16
WINNEBAGO	626.56	54.07	15.4	4	22	11	4	12,160	5,445	6,715	8.7	0	0	0	1554.0	1654.0	\$586	\$269	\$274	\$1,128	\$696,180	0.16
SHEBOYGAN	527.86	56.08	32.1	12	16	11	6	10,330	4,921	5,409	9.3	0	0	0	1426.0	789.0	\$666	\$244	\$198	\$1,108	\$575,586	0.17
OUTAGAMIE	538.63	49.63	28.7	3	20	7	5	10,117	3,531	6,586	6.6	0	0	0	1803.0	747.0	\$512	\$211	\$228	\$952	\$481,143	0.13
KEWAUNEE	111.35	61.43	35.1	4	21	9	6	1,600	451	1,149	4.1	0	0	127	341.0	65.0	\$317	\$218	\$165	\$701	\$75,329	0.07
CALUMET	201.71	51.67	24.4	5	20	8	4	2,771	920	1,851	4.6	0	0	0	616.0	222.0	\$299	\$209	\$175	\$683	\$136,396	0.09
OCONTO	468.9	50.58	19.7	7	17	6	7	7,191	2,057	5,134	4.4	0	0	0	854.0	435.0	\$289	\$158	\$135	\$581	\$271,103	0.09
<b>Region Total</b>	--	--	--	--	--	--	--	89,225	42,142	47,083	--	0	0	202	--	--	--	--	--	--	\$5,420,942	
<b>Region Average</b>	55.47	30.7	30.7	7.4	19.2	12.1	4.4	8,111	3,831	4,280	7.6	0	0	18	1404.7	904.6	\$519	\$269	\$238	\$1,026	\$492,813	0.14

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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		
JACKSON	515.44	45.59	40.3	0	21	4	2	10,367	4,072	6,295	7.9	0	0	0	1074.0	983.0	\$604	\$974	\$191	\$1,769	\$911,704	0.17
BAYFIELD	316.42	105.91	84.1	3	28	22	10	6,780	3,812	2,968	12.0	0	0	253	1843.0	861.0	\$826	\$513	\$373	\$1,712	\$533,921	0.11
TAYLOR	233.9	81.30	39.1	14	22	28	4	4,031	2,186	1,845	9.3	0	0	69	802.0	444.0	\$855	\$308	\$245	\$1,409	\$320,656	0.11
BARRON	428.77	82.29	54.0	2	24	39	1	5,544	3,003	2,541	7.0	0	90	1238	2888.0	673.0	\$509	\$464	\$351	\$1,324	\$567,713	0.09
ASHLAND	245.35	110.17	95.7	3	33	21	14	4,427	1,974	2,453	8.0	0	0	368	1183.0	491.0	\$582	\$396	\$340	\$1,319	\$320,725	0.07
DUNN	519.24	50.12	32.6	6	19	11	3	11,877	5,397	6,480	10.4	0	0	175	1346.0	1084.0	\$775	\$262	\$271	\$1,307	\$676,829	0.21
WASHBURN	372.14	55.87	41.9	2	28	11	4	7,281	3,933	3,348	10.6	0	0	1009	1582.0	564.0	\$715	\$340	\$252	\$1,307	\$482,415	0.19
SAINT CROIX	645.34	57.72	52.0	0	23	10	3	14,123	7,202	6,921	11.2	0	0	238	1202.0	1597.0	\$790	\$260	\$251	\$1,302	\$840,042	0.19
EAU CLAIRE	540.7	46.70	32.5	5	18	11	4	11,455	4,487	6,968	8.3	0	0	258	2967.0	590.0	\$667	\$315	\$269	\$1,251	\$674,204	0.18
DOUGLAS	451.4	106.48	80.4	2	41	7	4	10,076	4,404	5,672	9.8	0	0	260	1942.0	986.0	\$572	\$333	\$310	\$1,215	\$548,441	0.09
CLARK	402.56	68.17	40.8	8	20	20	5	6,721	3,414	3,307	8.5	0	0	40	1179.0	880.0	\$639	\$300	\$255	\$1,194	\$480,732	0.12
CHIPPEWA	654.65	42.24	31.2	8	16	6	5	13,387	4,958	8,429	7.6	0	0	616	1612.0	1663.0	\$557	\$297	\$261	\$1,114	\$729,582	0.18
TREMPEALEAU	442.48	51.61	44.0	2	23	5	3	7,475	3,603	3,872	8.1	0	0	400	1179.0	783.0	\$574	\$244	\$213	\$1,030	\$455,769	0.16
PIERCE	369.46	55.11	43.5	2	20	16	3	5,618	2,506	3,112	6.8	0	0	501	1235.0	580.0	\$504	\$261	\$254	\$1,019	\$375,363	0.12
BURNETT	237.93	45.13	37.6	0	18	9	1	3,489	2,076	1,413	8.7	0	0	33	486.0	441.0	\$568	\$210	\$205	\$983	\$233,896	0.19
RUSK	213.47	35.18	18.7	0	17	12	1	3,104	1,225	1,879	5.7	0	0	155	779.0	230.0	\$421	\$263	\$202	\$886	\$189,150	0.16
POLK	385.81	58.51	19.9	3	18	24	3	7,991	2,463	5,528	6.4	0	0	191	1049.0	384.0	\$467	\$211	\$186	\$864	\$331,038	0.11
SAWYER	367.44	59.00	45.2	0	23	13	4	5,918	2,395	3,523	6.5	0	0	235	728.0	553.0	\$490	\$202	\$171	\$862	\$316,786	0.11
PEPIN	112.38	46.50	30.8	7	16	6	6	1,158	403	755	3.6	0	0	0	481.0	181.0	\$269	\$296	\$263	\$828	\$93,075	0.08
BUFFALO	317.02	60.83	49.7	3	24	8	4	2,919	1,792	1,127	5.7	0	0	222	904.0	481.0	\$388	\$226	\$198	\$812	\$257,463	0.09
<b>Region Total</b>	--	--	--	--	--	--	--	143,741	65,305	78,436	--	0	90	6261	--	--	--	--	--	--	\$9,339,507	
<b>Region Average</b>	63.22	45.7		3.5	22.6	14.2	4.2	7,187	3,265	3,922	8.1	0	5	313	1323.1	722.5	\$589	\$334	\$253	\$1,175	\$466,975	0.14

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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		
KENOSHA	653.56	56.64	23.4	9	22	0	3	12,366	9,351	3,015	14.3	0	0	0	3491.0	1516.0	\$876	\$404	\$421	\$1,701	\$1,111,630	0.25
MILWAUKEE	1955.81	41.19	25.1	6	13	3	1	53,588	21,040	32,548	10.8	0	0	0	5115.0	6614.0	\$692	\$305	\$463	\$1,461	\$2,820,744	0.26
OZAUKEE	309.19	55.86	34.9	6	20	5	4	9,689	4,045	5,644	13.1	0	0	0	785.0	593.0	\$796	\$268	\$231	\$1,294	\$397,794	0.23
WALWORTH	706.95	56.92	29.8	9	17	18	5	18,210	9,344	8,866	13.2	0	0	0	2774.0	504.0	\$770	\$259	\$228	\$1,258	\$892,897	0.23
WASHINGTON	611.91	44.60	22.8	4	17	7	2	15,922	6,220	9,702	10.2	0	0	0	749.0	1530.0	\$686	\$208	\$215	\$1,110	\$660,646	0.23
RACINE	681.88	37.72	12.8	1	13	3	4	17,586	4,792	12,794	7.0	0	0	0	639.0	1116.0	\$445	\$140	\$172	\$756	\$512,806	0.19
WAUKESHA	1073.97	15.83	6.9	0	10	0	1	35,409	7,339	28,070	6.8	0	0	0	682.0	1003.0	\$414	\$81	\$96	\$592	\$635,192	0.43
<b>Region Total</b>	--	--	--	--	--	--	--	162,770	62,131	100,639	--	0	0	0	--	--	--	--	--	--	\$7,031,709	
<b>Region Average</b>	44.11	22.2		5.0	16.0	5.1	2.9	23,253	8,876	14,377	10.8	0	0	0	2033.6	1839.4	\$668	\$238	\$261	\$1,167	\$1,004,530	0.26

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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		
MONROE	654.43	50.15	24.9	9	19	9	1	12,045	5,839	6,206	8.9	0	0	0	1450.0	1300.0	\$6,918	\$249	\$178	\$7,345	\$4,804,946	0.18
DANE	1543.7	45.23	9.1	8	17	0	6	51,035	11,616	39,419	7.5	0	0	25	1260.0	4683.0	\$553	\$925	\$295	\$1,772	\$2,724,033	0.17
GREEN	314.64	53.58	25.0	7	20	3	7	3,264	1,339	1,925	4.3	0	0	19	452.0	549.0	\$310	\$1,067	\$144	\$1,521	\$478,620	0.08
DODGE	637.85	46.65	33.5	6	16	8	1	18,021	7,989	10,032	12.5	0	0	18	1125.0	2215.0	\$884	\$313	\$284	\$1,481	\$938,502	0.27
JEFFERSON	549.67	63.48	48.4	9	23	12	2	13,584	6,194	7,390	11.3	0	0	0	1001.0	1620.0	\$864	\$277	\$272	\$1,413	\$751,019	0.18
ROCK	686.5	48.24	42.4	1	18	16	2	14,871	8,283	6,588	12.1	0	0	58	1366.0	2120.0	\$779	\$285	\$304	\$1,368	\$938,853	0.25
SAUK	576.25	55.15	33.6	12	17	16	4	14,423	5,853	8,570	10.2	0	0	0	1405.0	1594.0	\$799	\$293	\$238	\$1,330	\$763,695	0.18
JUNEAU	496.27	52.75	30.3	5	22	8	4	8,887	4,552	4,335	9.2	0	0	0	925.0	1022.0	\$705	\$212	\$211	\$1,128	\$558,329	0.17
LA CROSSE	503.31	41.75	30.0	14	16	6	2	8,635	3,331	5,304	6.6	0	0	0	1271.0	1352.0	\$499	\$291	\$279	\$1,068	\$617,798	0.16
COLUMBIA	787.4	44.54	16.0	11	11	15	2	23,826	6,499	17,327	8.3	0	0	291	972.0	1392.0	\$642	\$182	\$174	\$998	\$786,120	0.19
IOWA	473.13	58.77	26.1	6	21	16	2	7,179	3,457	3,722	7.3	0	0	25	954.0	1178.0	\$511	\$242	\$228	\$982	\$464,466	0.12
VERNON	468.36	51.37	28.6	16	18	10	3	7,043	3,229	3,814	6.9	0	0	0	905.0	1071.0	\$531	\$238	\$194	\$963	\$456,604	0.13
GRANT	622.06	54.08	25.8	4	17	18	3	9,793	4,832	4,961	7.8	0	0	747	1058.0	1145.0	\$507	\$206	\$165	\$878	\$546,471	0.14
CRAWFORD	395.79	67.39	28.5	8	20	22	4	4,968	1,927	3,041	4.9	0	0	234	896.0	526.0	\$344	\$196	\$158	\$698	\$276,327	0.07
RICHLAND	327.64	56.33	23.2	8	18	13	8	3,414	1,070	2,344	3.3	0	0	356	965.0	479.0	\$245	\$233	\$205	\$684	\$224,089	0.06
LAFAYETTE	299.38	47.70	16.8	8	16	7	5	3,009	1,165	1,844	3.9	0	0	818	546.0	428.0	\$267	\$184	\$134	\$585	\$175,272	0.08
<b>Region Total</b>	--	--	--	--	--	--	--	203,997	77,175	126,822	--	0	0	2591	--	--	--	--	--	--	\$15,505,146	
<b>Region Average</b>	52.32	27.6		8.3	18.1	11.2	3.5	12,750	4,823	7,926	7.8	0	0	162	1034.4	1417.1	\$960	\$337	\$216	\$1,514	\$969,072	0.15

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## 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.

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	--	--	--	--	--	--	721,003	297,654	423,349	--	7	90	15516.0	--	--	--	--	--	--	\$44,719,553	--
Statewide Average	58.68	37.5	5.9	20.5	11.9	4.4	10,014	4,134	5,880	8.2	0.1	1.3	215.5	1344.9	977.7	\$668	\$303	\$237	\$1,208	\$621,105	0.15