



WeatherSentry Pavement Forecast Transportation Edition - Tactical Weather Support

DTN/Meteorlogix business-grade weather system designed specifically for your snow removal, anti-icing and road maintenance operations



WeatherSentry Transportation Edition



A affordable tool for tactical weather support.

- **RoadCast Pavement Forecasting** gives you bridge deck & roadway frost/black ice and pavement temperature forecasts, necessary for anti-icing programs.
- **Exclusive Local Forecasts** give hourly view of expected weather allowing for smarter decisions.
- **Patented PrecipTimer** gives you start and stop times of impending snow storms for improved crew scheduling.
- **SnowPath™** animates forecasted snowfall amounts to help you visualize how the snow event is likely to impact your area.

MxVision
WeatherSentry™
Transportation
Edition

meteorlogix.

Ohio

Status
Lightning Manager

0	Within 15 miles of this asset
0	Within 30 miles of this asset

PrecipTimer

Snow is in the area. Heavy at times	Start
ends later than 9:35p	End

Forecast

5 Hour Forecast

6PM	7PM	8PM	9PM	10PM
26°	27°	27°	27°	27°

5 Day Forecast

Wed	Thu	Fri	Sat	Sun
27° 25°	29° 26°	10° 6°	17° -6°	28° 3°

Current Conditions

SNOW
Observed at COLUMBUS , Ohio
Wed 8AM

Temperature	28 °F
Feel Like	21 °F
Wind	N at 7 mph
Dew Point	25 °F
Humidity	86 %
Sky Cover	Cloudy

My Favorites
Local Conditions
Local Forecasts
Radar
Watch and Warnings
Weather Graphics
Weather Reports

Help
News
Settings

MDSS FORECAST

TREATMENT RECOMMENDATIONS



meteorlogix

WeatherSentry Online - Pavement Forecast Transportation Edition - Windows Internet Explorer

http://weather.dtn.com/dtnweather/view/weather/forecastMDSSHourly.do?selectStation=MX0108&planId=204

File Edit View Favorites Tools Help

Google MSN.com WeatherSentry Online - P...

MxVision WeatherSentry® ITD

Transportation Home Settings

Local Conditions Local Radar Local Forecast 10 Day Hourly Graphs Animations Regional Graphics National Graphics International Graphics Hurricane Weather NWS Weather Reports Historical Weather My Favorites Custom Forecast

Choose a Forecast: MULLAN (Lookout Pass I-90 N) Treatment Plan: ITD Treatment Plan (default)

MULLAN (Lookout Pass I-90 MP 72.860)

Hour	Tue 01AM	Tue 02AM	Tue 03AM	Tue 04AM	Tue 05AM	Tue 06AM	Tue 07AM	Tue 08AM	Tue 09AM	Tue 10AM	Tue 11AM	Tue 12PM	Tue 01PM	Tue 02PM
Weather Condition														
Weather	Snow Possible	Snow Possible	Snow Possible	Snow Possible	Snow Possible	Snow Possible	Snow Possible	Snow Possible	Snow Possible	Snow Possible	Snow Possible	Snow Possible	Flurries Possible	Flurries Possible
Temperature (°F)	34	33	33	32	32	31	30	30	30	30	31	32	33	34
Feels Like (°F)	34	33	33	32	32	31	30	26	26	26	26	27	28	30
Wind Direction	WSW	SW	SW	SW	SW	SW	SW	SW	SW	SW	WSW	WSW	WSW	WSW
Wind Speed/Gusts (mph)	3	3	3	3	3	3	3	4	4	4	5	5	5	4
Dew Point (°F)	28	28	29	28	28	28	28	28	28	28	28	28	28	28
Humidity (%)	79	82	85	85	85	89	92	92	92	92	89	85	82	79
Precipitation Chance (%)	25	29	34	38	42	46	50	45	40	35	30	25	20	20
Precipitation Type	Wet Snow	Wet Snow	Wet Snow	Wet Snow	Wet Snow	Wet Snow	Wet Snow	Wet Snow	Wet Snow	Wet Snow	Wet Snow	Wet Snow	Wet Snow	Wet Snow
Precipitation Amount			S: <1.0 R: 0.04			S: <1.0 R: 0.08			S: <1.0 R: 0.07			S: <1.0 R: 0.03		
24Hr Snow Accum (10PM-10PM)	0.1	0.15	0.21	0.33	0.47	0.67	0.85	1.01	1.16	1.24	1.31	1.31	1.31	1.31
Blowing Snow Potential	-	-	-	-	-	-	-	Medium	Medium	Medium	Medium	Medium	Low	Low
Bridge Temp (°F)	35	34	34	33	33	32	32	33	35	36	38	40	42	46
Road Temp (°F)	38	37	37	36	36	35	35	36	38	39	41	42	45	48
Bridge Frost Likely?	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Road Frost Likely?	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Treatment Recommendation									-	-	-	-	-	-

Done Local intranet 100%

start WeatherSentry Onlin... C:\Documents and Se... Microsoft PowerPoint ... 1:21 AM

FHWA TREATMENT RECOMMENDATIONS



Home

Settings

Treatment Plans

Click the **New** button to create a new treatment plan. You may change the current plan by editing the plan name, or editing the treatment recommendation by clicking **View/Edit** link. The FHWA plan is not editable. You may have up to 10 plans.

FHWA

ITD Treatment Plan (defa

Treatment Plan Name: FHWA

Cycle Time: 3

Set As Default

Recommendation for Light Snow Storm (20°F to 32°F, remaining in range) (read-only)

Initial Operations

Subsequent Operations

Initial Pavement Surface Conditions	Maintenance Action	Dry Chemical Spread Rate kg/lane-km (lb/lane-mi)		Maintenance Action	Dry Chemical Spread Rate kg/lane-km (lb/lane-mi)	
		Liquid	Solid or prewetted solid		Liquid	Solid or prewetted solid
		Dry	Apply liquid or prewetted solid chemical		28 (100)	28 (100)
Wet, slush, or light snow cover	Apply liquid or solid chemical	28 (100)	28 (100)	Plow as needed; reapply liquid or solid chemical when needed	28 (100)	28 (100)

Comments

1. Applications will need to be more frequent at lower temperatures and higher snowfall rates.
2. It is not advisable to apply a liquid chemical at the indicated spread rate when the pavement.

New

Delete

OK

Cancel

Save Changes

OR ENTER YOUR OWN TREATMENT RECOMMENDATIONS



Home Settings

Treatment Plans

Click the **New** button to create a new treatment plan. You may change the current plan by editing the plan name, or editing the treatment recommendation by clicking **View/Edit** link. The FHWA plan is not editable. You may have up to 10 plans.

FHWA	Treatment Plan Name: ITD Treatment Plan	Cycle Time: 3
ITD Treatment Plan (default)	Recommendation for Light Snow Storm (20°F to 32°F, remaining in range)	

Apply liquid anti-icer or prewetted salt at 30 GPM or 100 lbs/ per lane mile. For subsequent operations plow as needed and reapply liquid or pre-wetted salt at 100 GPM or 100 lbs/ per lane mile.

Applications will need to be more frequent at lower temps and higher snow rates. Do not apply liquid anti-icer at the indicated spread rate when the pavement temp drops below 23 degrees. Do not apply liquid anti-icer onto heavy snow accumulation or packed snow.

15°F to 20°F: spreading in range

Below 15°F: steady crusting

Light Snow Storm

Light Snow Storm with periods of heavier snow

Medium Heavy Snow Storm

Heavy Snow Storm

Freezing Rain Storm

Save Changes

New Delete

OK Cancel

Road Treatment Planning

Tools to help you with your anti-icing or de-icing timing and chemical treatment decisions



WeatherSentry Transportation Edition Solution:

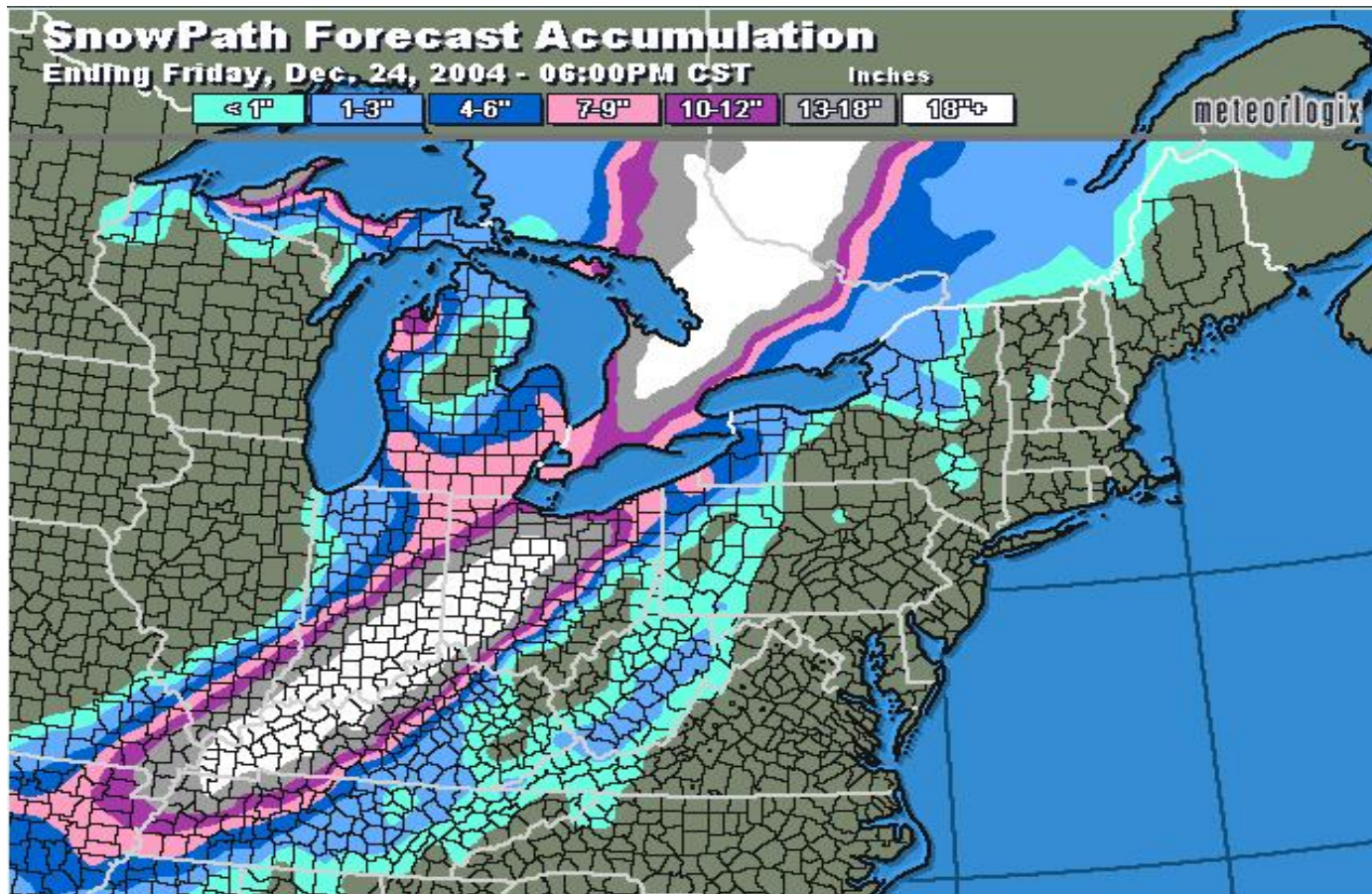
- RoadCast **pavement temperature** forecasting for roadways & bridge decks & **frost** likelihoods
- Detailed, accurate hourly forecasts including snow type: wet/dry/moderate
- Real-time, accurate radar showing snow, ice or mix
- MDSS treatment recommendations for each snow event
- Alerts to your cell phone or mobile device



WeatherSentry Snow and Ice Information



SnowPath snowstorm prediction maps provide accurate information.



NEW WINTER WEATHER FEATURES

Coming this Fall...

- Interact with our meteorologists in a public forum
- Meteorologist-generated forecast overview
 - Winter road maintenance weather
 - For your region of the country
- New summary view of local forecast
 - One page
 - Quick, convenient



SUMMARY VIEW WITH TABLE SELECTED

24-Hr Forecast Summary



Choose a Forecast



St. Cloud (Roosevelt Rd/Coop) ▾

Treatment Plan

FHWA (default) ▾

+ Add to Favorites

St. Cloud (Roosevelt Rd/Cooper Ave S)

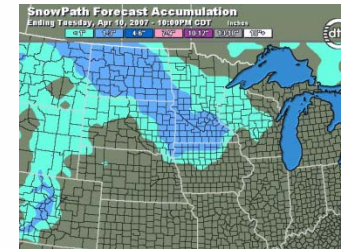
Snow likely continuing through mid-day tomorrow with accumulations of 2-3". Overnight winds gusting to 25mph. Today's high: 40 Tonight's low: 32

Table

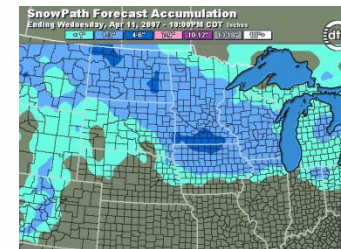
Graphs

Hour	Tue 12AM	Tue 03PM	Tue 06PM	Tue 09PM	Wed 12AM	Wed 03AM	Wed 06AM	Wed 09AM	Wed 12PM
Weather Condition									
Weather	Cloudy	Flurries Possible	Snow Possible	Snow Likely	Snow Likely	Snow Likely	Snow Likely	Snow Likely	Snow Likely
Temperature (°F)	34	39	39	36	34	34	32	33	33
Feels Like (°F)	27	32	32	28	25	25	22	24	24
Wind Direction	E	E	E	E	E	E	E	E	ENE
Wind Speed/Gusts (mph)	8	11	11	12 G 20	12 G 20	12 G 20	13 G 23	13 G 23	12 G 20
Precipitation Chance (%)	-	20	37	72	72	72	69	63	60
Precipitation Type	-	Wet Snow	Wet Snow	Wet Snow	Wet Snow	Wet Snow	Wet Snow	Wet Snow	Wet Snow
Precipitation Amount	None	S: <1.0 R: 0.03	S: <1.0 R: 0.04	S: <1.0 R: 0.07	S: <1.0 R: 0.06	S: 1-2 R: 0.1	S: 1-2 R: 0.12	S: <1.0 R: 0.06	S: <1.0 R: 0.04

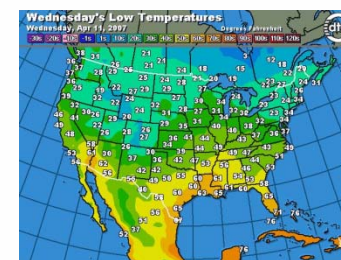
Today's Snow



Tomorrow's Snow



Tonight's Lows



24-HOUR FORECAST SUMMARY

Choose a Forecast



St. Cloud (Roosevelt Rd/Coop)

Treatment Plan

FHWA (default)

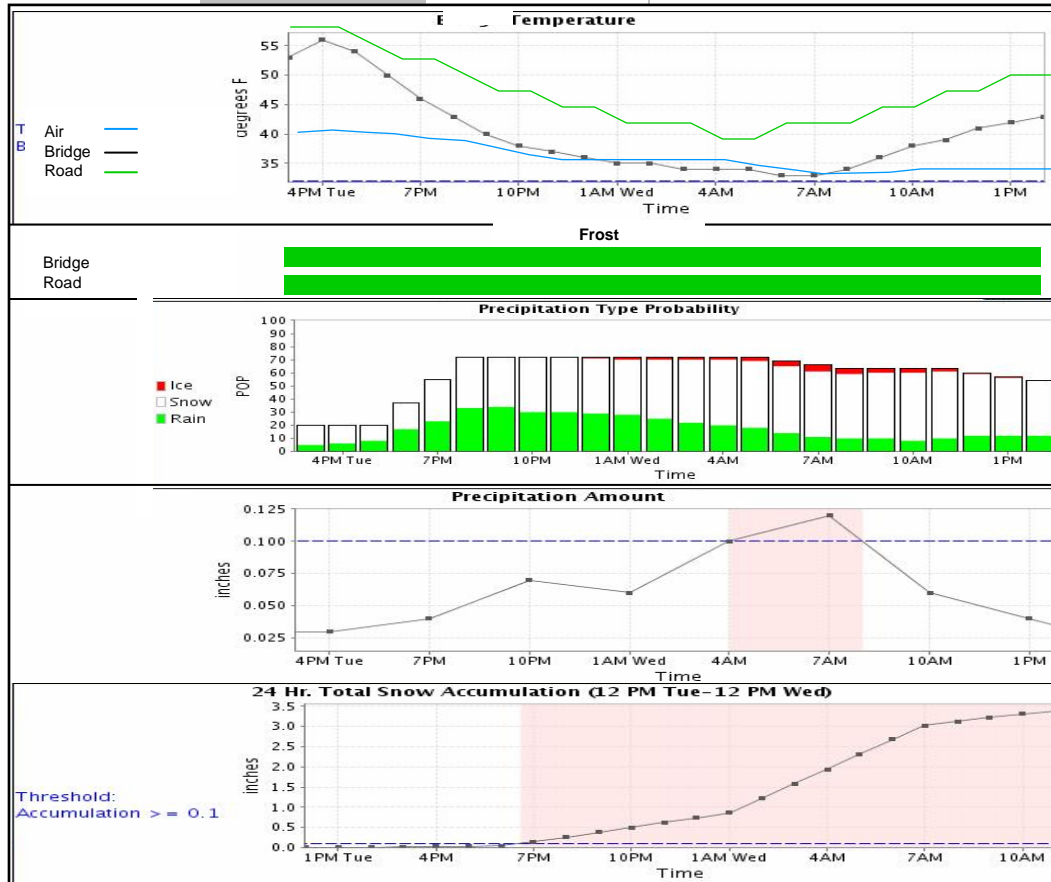
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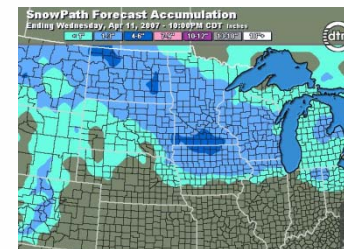
Graphs



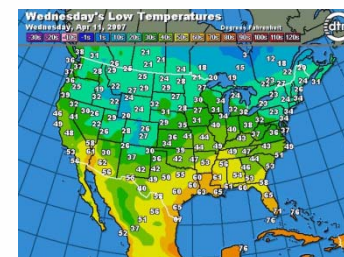
Today's Snow



Tomorrow's Snow



Tonight's Lows





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