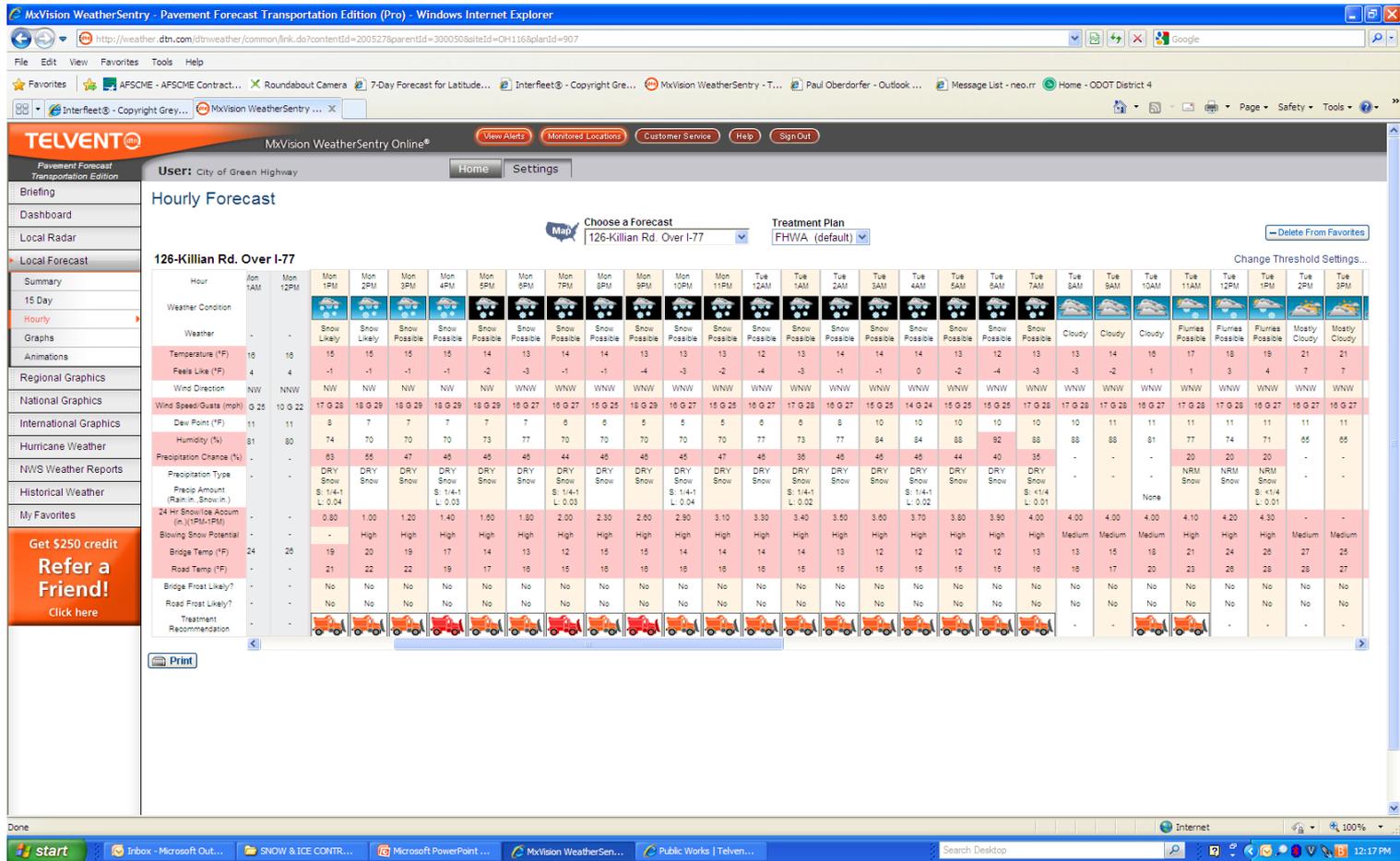


Program Improvements :

- Televent MxVision WeatherSentry®



TELEVENT MxVision WeatherSentry Online®

User: City of Green Highway

Hourly Forecast

Choose a Forecast: 126-Killian Rd. Over I-77

Treatment Plan: FHWA (default)

Change Threshold Settings...

Hour	Mon 1AM	Mon 12PM	Mon 1PM	Mon 2PM	Mon 3PM	Mon 4PM	Mon 5PM	Mon 6PM	Mon 7PM	Mon 8PM	Mon 9PM	Mon 10PM	Mon 11PM	Tue 12AM	Tue 1AM	Tue 2AM	Tue 3AM	Tue 4AM	Tue 5AM	Tue 6AM	Tue 7AM	Tue 8AM	Tue 9AM	Tue 10AM	Tue 11AM	Tue 12PM	Tue 1PM	Tue 2PM	Tue 3PM			
Weather Condition			Snow Likely	Snow Likely	Snow Possible	Snow Possible	Snow Possible	Snow Possible	Snow Possible	Snow Possible	Snow Possible	Snow Possible	Snow Possible	Snow Possible	Snow Possible	Snow Possible	Snow Possible	Snow Possible	Snow Possible	Snow Possible	Snow Possible	Snow Possible	Snow Possible	Snow Possible	Snow Possible	Snow Possible	Snow Possible	Snow Possible	Snow Possible	Snow Possible		
Weather	-	-	Snow	Snow	Snow	Snow	Snow	Snow	Snow	Snow	Snow	Snow	Snow	Snow	Snow	Snow	Snow	Snow	Snow	Snow	Snow	Snow	Snow	Snow	Snow	Snow	Snow	Snow	Snow	Snow		
Temperature (°F)	16	16	15	15	15	15	14	13	14	14	13	13	13	12	13	14	14	14	13	12	13	13	14	16	17	18	19	21	21			
Feels Like (°F)	4	4	-1	-1	-1	-1	-2	-3	-1	-1	-4	-5	-2	-4	-5	-1	-1	0	-2	-4	-3	-3	-2	1	1	3	4	7	7			
Wind Direction	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW		
Wind Speed/Gusts (mph)	G 25	G 25	17 G 28	18 G 29	18 G 29	18 G 29	18 G 29	18 G 29	18 G 27	18 G 25	18 G 29	18 G 27	18 G 25	18 G 27	17 G 23	18 G 27	15 G 25	14 G 24	15 G 25	15 G 25	15 G 25	17 G 23	18 G 27	18 G 27	18 G 27							
Dew Point (°F)	11	11	8	7	7	7	7	7	6	5	5	5	5	5	6	8	10	10	10	10	10	10	11	11	11	11	11	11	11	11		
Humidity (%)	81	80	74	70	70	73	77	70	70	70	70	70	70	77	73	77	84	84	88	82	88	88	88	88	88	81	77	74	71	65	65	
Precipitation Chance (%)	-	-	83	85	47	45	45	44	45	46	45	47	45	38	48	45	45	45	44	40	35	-	-	-	-	-	20	20	20	-	-	
Precipitation Type	-	-	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	
Precip Amount (Rain in, Snow in)	-	-	S: 1.4-1 L: 0.04	-	-	S: 1.4-1 L: 0.03	-	-	S: 1.4-1 L: 0.03	-	-	-	S: 1.4-1 L: 0.04	-	-	S: 1.4-1 L: 0.02	-	-	S: 1.4-1 L: 0.02	-	-	-	-	-	-	-	-	-	-	-	-	
24 Hr Snow/Ice Accum (in.) (PM-1PM)	-	-	0.80	1.00	1.20	1.40	1.60	1.80	2.00	2.30	2.60	2.90	3.10	3.30	3.40	3.60	3.60	3.70	3.80	3.90	4.00	4.00	4.00	4.00	4.00	4.00	4.10	4.20	4.30	-	-	
Blowing Snow Potential	-	-	-	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High	
Bridge Temp (°F)	24	26	19	20	19	17	14	13	12	15	14	14	14	14	14	13	12	12	12	12	13	13	15	18	21	24	26	27	25	-	-	
Road Temp (°F)	-	-	21	22	22	19	17	16	15	16	16	16	16	16	16	15	15	15	15	15	15	16	16	17	20	23	28	28	28	27	-	
Bridge Frost Likely?	-	-	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	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	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Treatment Recommendation	-	-																														



Snow & Ice Control Program

Program Improvements :

- **MxVision WeatherSentry®**

MxVision WeatherSentry® uses real-time weather data collected from Roadway Weather Information System (RWIS) Station across the state.

MxVision WeatherSentry® creates a custom weather forecast based on location, allowing the Public Service Department to:

- Avoid plowing too early or too late
- Improve crew scheduling
- Pre-treat to reduce winter road maintenance cost
- Avoid unneeded treatments



Program Improvements :

- MxVision WeatherSentry®

Hour	Wed 06AM	Wed 07AM	Wed 08AM	Wed 09AM	Wed 10AM	Wed 11AM	Wed 12PM	Wed 01PM	Wed 02PM	Wed 03PM
Weather Condition										
Weather	Mostly Cloudy	Mostly Cloudy	Mostly Cloudy	Snow Possible	Snow Possible	Snow Possible	Snow Possible	Snow Possible	Snow Possible	Mostly Cloudy
Temperature (°F)	-2	-1	0	2	5	6	9	10	12	13
Feels Like (°F)	-2	-1	0	2	5	6	9	10	12	13
Wind Direction	SE	ESE	ESE	LV	S	LV	LV	LV	LV	LV
Wind Speed/Gusts (mph)	3	3	3	LV	3	LV	LV	LV	LV	LV
Dew Point (°F)	-5	-5	-5	-3	-1	1	2	3	4	4
Humidity (%)	87	83	79	79	76	80	73	73	70	67
Precipitation Chance (%)	-	-	-	31	33	37	30	30	30	-
Precipitation Type	-	-	-	DRY Snow	DRY Snow	DRY Snow	DRY Snow	DRY Snow	DRY Snow	-
Precip Amount (Rain:in., Snow:in.)	-	-	None	-	-	S: 1/4-1 L: 0.02	-	-	S: 1/4-1 L: 0.02	-
24 Hr Snow/Ice Accum (in.)(12PM-12PM)	0.60	0.60	0.60	0.80	1.00	1.20	1.40	-	-	-
Blowing Snow Potential	-	-	-	-	Medium	Medium	Medium	Medium	Medium	Medium
Bridge Temp (°F)	1	2	3	5	8	13	16	19	21	21
Road Temp (°F)	5	6	7	9	12	16	20	22	22	21
Bridge Frost Likely?	No	No	No	No	No	No	No	No	No	No
Road Frost Likely?	No	No	No	No	No	No	No	No	No	No
Treatment Recommendation	-	-								-

HOURLY FORECAST

TREATMENT PLAN



Program Improvements :

- Use of FHWA Treatment Plan

Light Snow Storm - less than 1/2 inch per hour (20°F to 32°F, remaining in range)

Cycle Time: 3 hours

Melbourne Ave.

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)	Plow as needed; reapply liquid or solid chemical when needed	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.						

DRIVER ACTION

TREATMENT (LBS/MILE)

Notes:

CHEMICAL APPLICATIONS.

1. Time initial and subsequent chemical applications to prevent deteriorating conditions or development of packed and bonded snow.
2. Apply chemical ahead of traffic rush periods occurring during storm.
PLOWING. If needed, *plow before chemical applications* so that excess snow, slush, or ice is removed and pavement is wet, slushy, or lightly snow covered when treated.

