

MCEMA Emergency Operations Center

FLASH REPORT

Monday, December 21th, 2022

9:40AM

Winter Weather Conditions Update

Situation

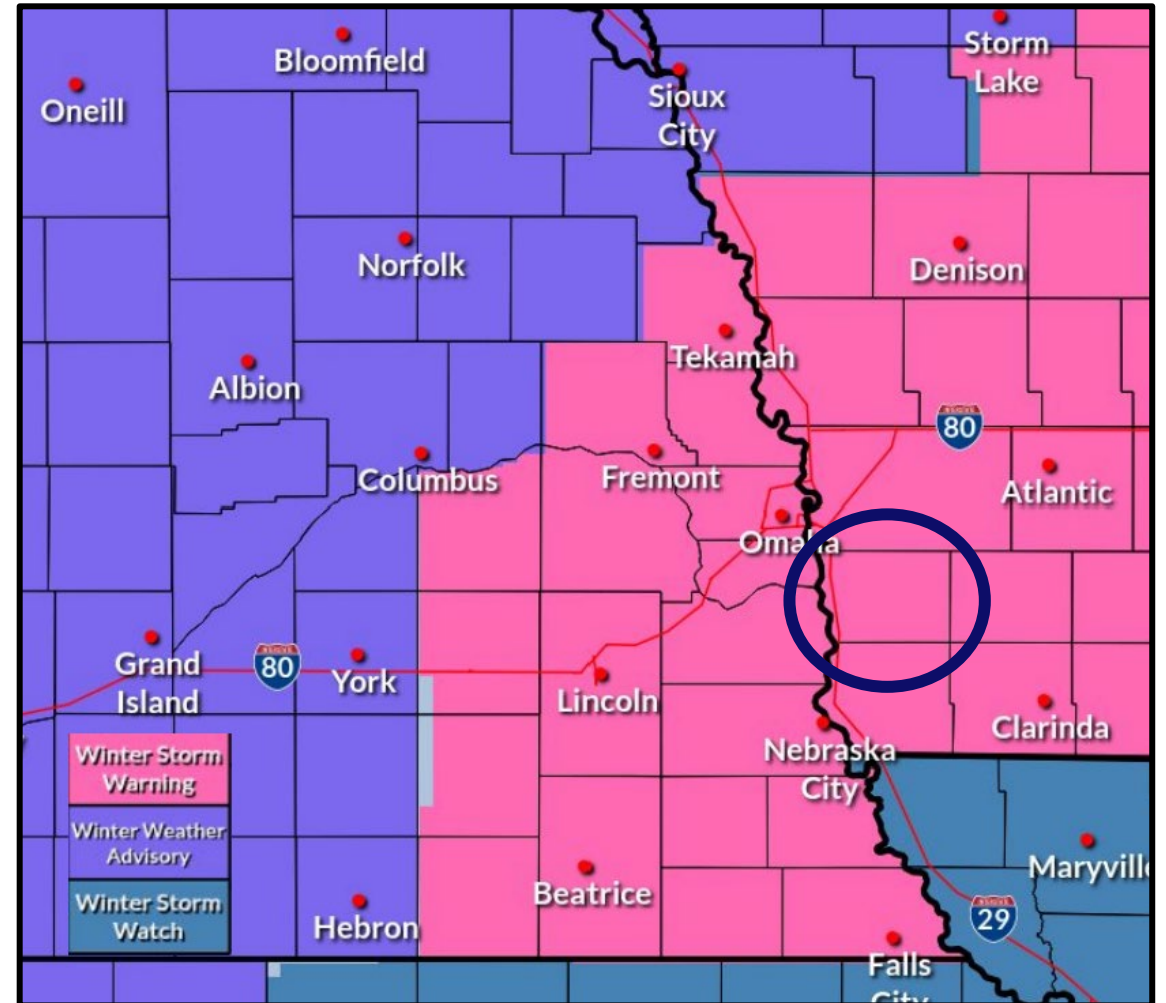
- Extreme cold will overspread the area with wind chills of -30 to -50 degrees Thursday through Saturday.
- Snow and wind will lead to periods of whiteout conditions. Several inches of snow and winds up to 50 mph are expected.

Important Forecast Changes

- Precipitation will be arriving and exiting the area sooner.
- Lowered snowfall amounts slightly and added freezing drizzle.

Travel will be dangerous, if not impossible!

It will not take much snow to create dangerous, if not impossible travel conditions!



Wind Chill

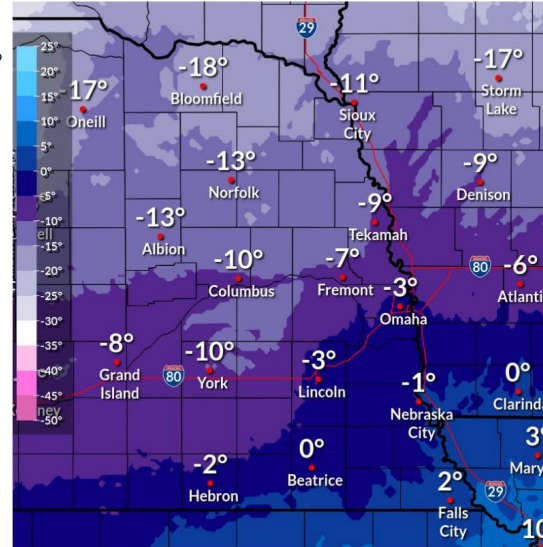
Wednesday / Thursday

- Daytime wind chills as low as -1 to -20°
- Wind chills drop to -30° tonight.

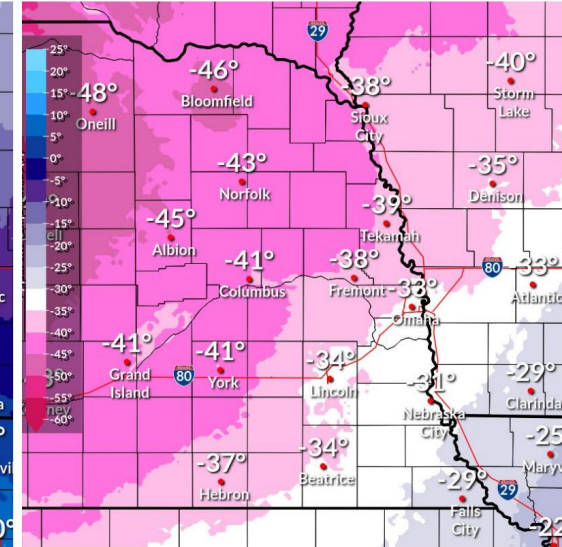
Thursday / Friday

- The warmest wind chills on Thursday will be -30°!
- The warmest wind chills on Friday will be -20°!
- For reference, the area has only experienced a -40° wind chill once in the past 25 years!

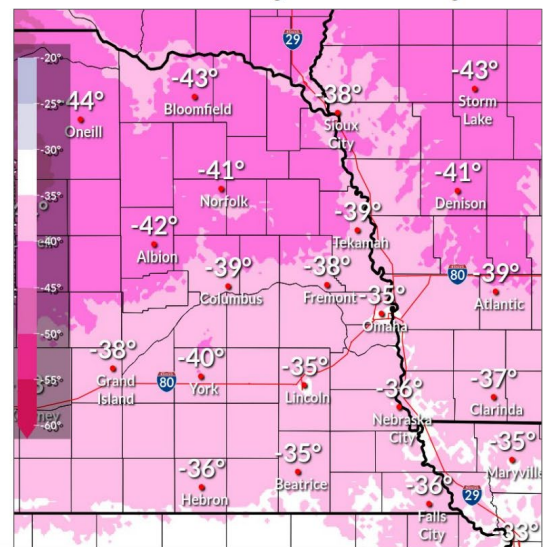
6 AM - 6 PM Wednesday



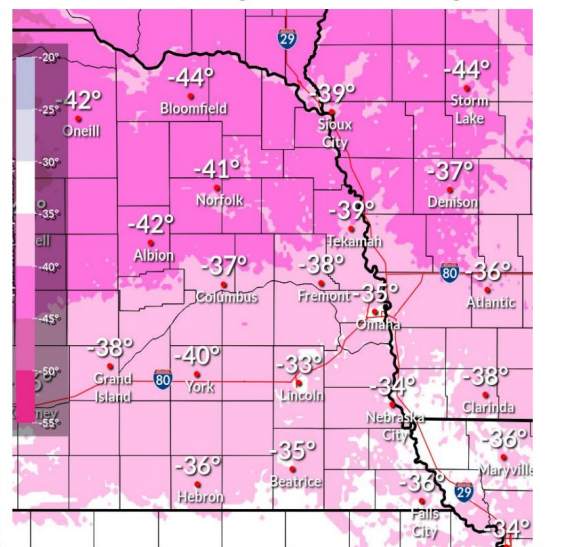
6 PM Wednesday - 6 AM Thursday



6 AM Thursday - 6 AM Friday



6 AM Friday - 6 AM Saturday



Precipitation

Ice Accumulation

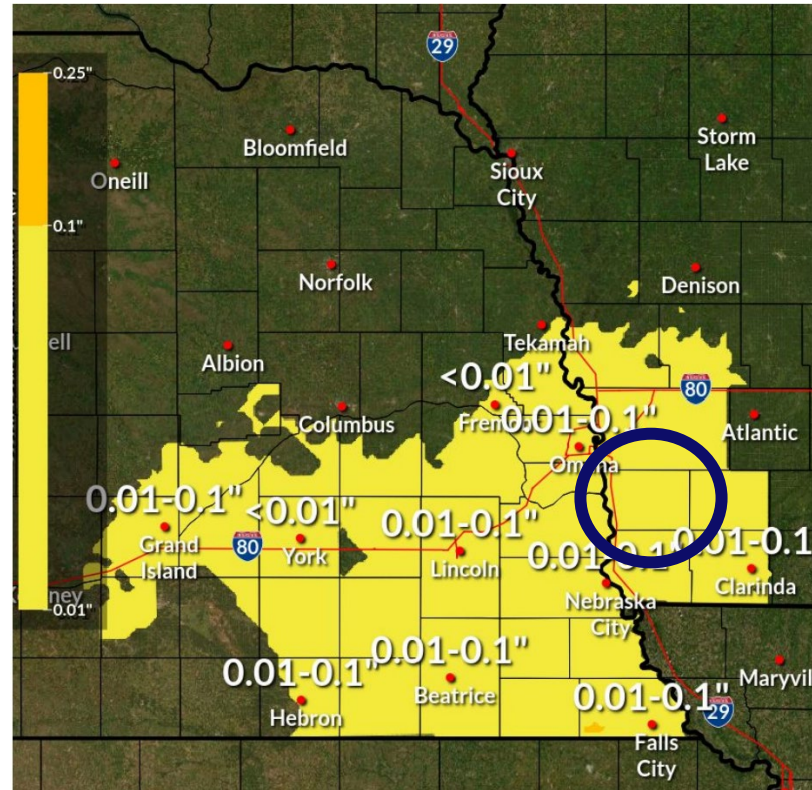
- **Wed. 6 AM - Noon:** Light snow/flurries possible
- **Wed. Noon - 7 PM:** Freezing drizzle becomes more widespread along and south of I-80

Hazardous travel expected for the Wednesday evening commute.

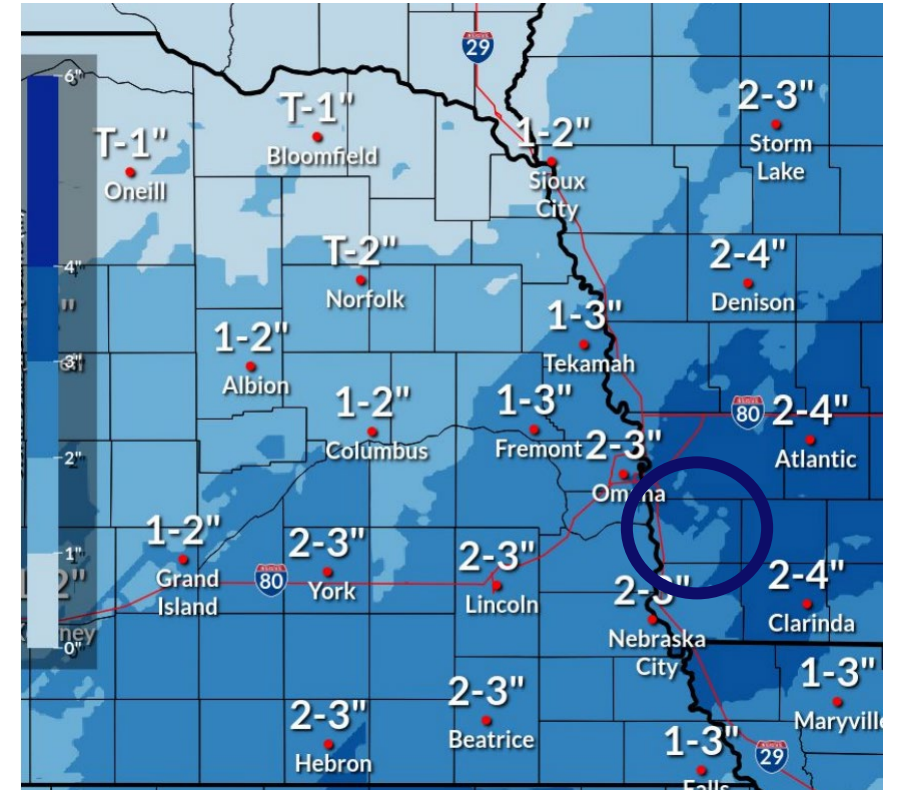
Snowfall

- Strong northerly winds, blowing snow, near blizzard conditions possible.
- Dangerously cold wind chills: -40 to -50°
- Timing
 - **Wed. Night 5 PM to Midnight:** Cold front sweeps across southwest Iowa from the northwest, bringing accumulating snow, strong winds, extreme cold, and potential for blizzard conditions.
 - **Thu. Midnight to 6 AM:** Strong winds continue to blow snow. Along and S of I-80 over southwest IA - snow continues to fall before coming to an end around 6 AM.
 - **Thu 6 AM - Fri 6 PM:** Winds continue to gust 30-50 mph, blowing snow and producing near blizzard conditions.

Freezing Rain



Snowfall





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