



Winter Weather Expected This Week

February 10, 2025
5:10 AM

Two Rounds This Evening Through Wednesday Evening

Key Messages

- Two rounds of wintry weather are expected from this evening through Wednesday evening. Snow, freezing rain, and sleet will be possible. The second round looks to be more impactful at this time.

Remaining Unknowns

- Precipitation types and amounts for specific areas

NEW

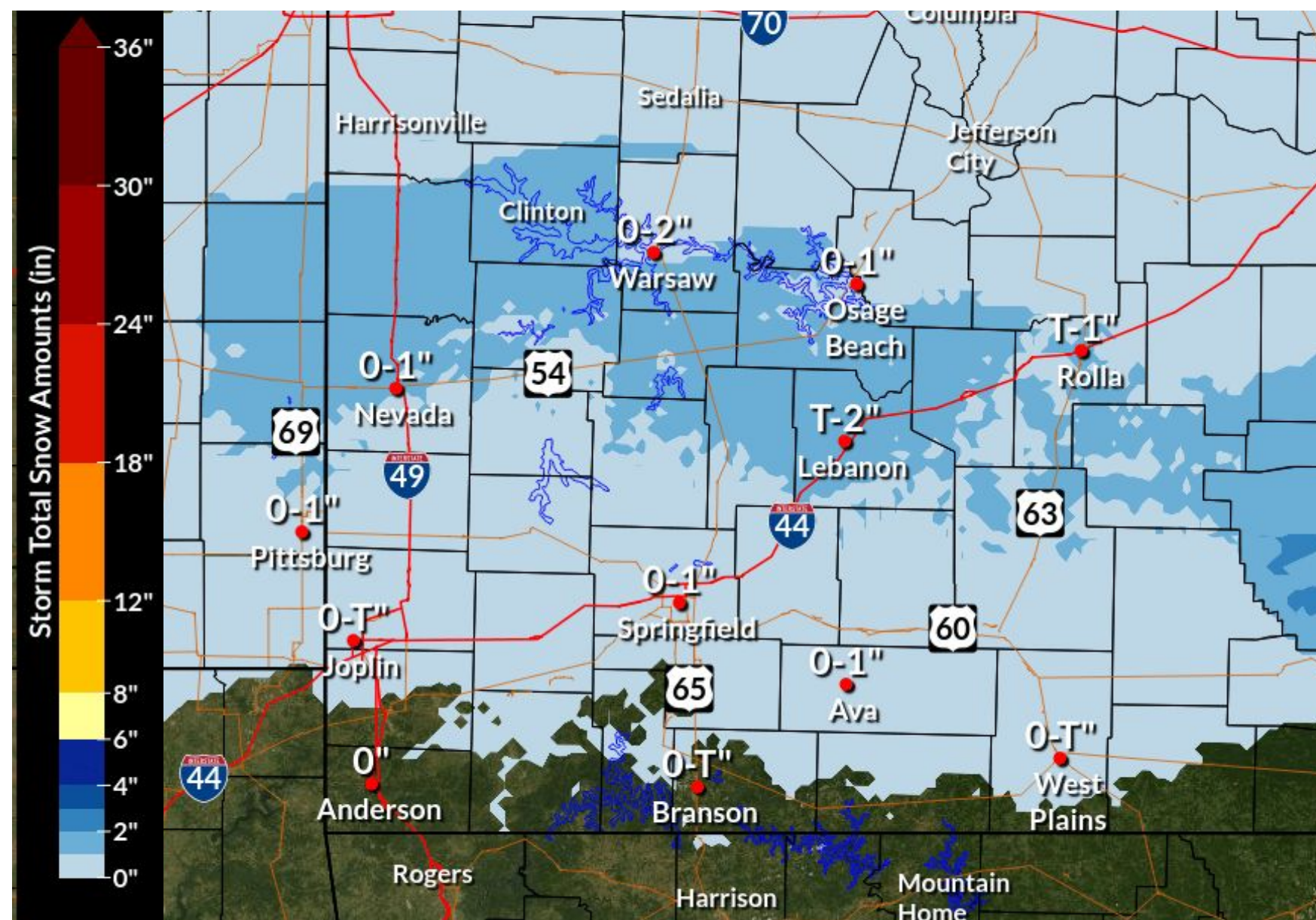
Important Updates

- Round 1: Additional forecast refinements
- Round 2: Subtle changes in precipitation type and amounts

Next Scheduled Briefing

- This afternoon

Round 1 Sleet/Snow Amounts



National Oceanic and
Atmospheric Administration
U.S. Department of Commerce

National Weather Service
Springfield, MO



Summary - Round 1

February 10, 2025

5:10 AM

This evening into Tuesday

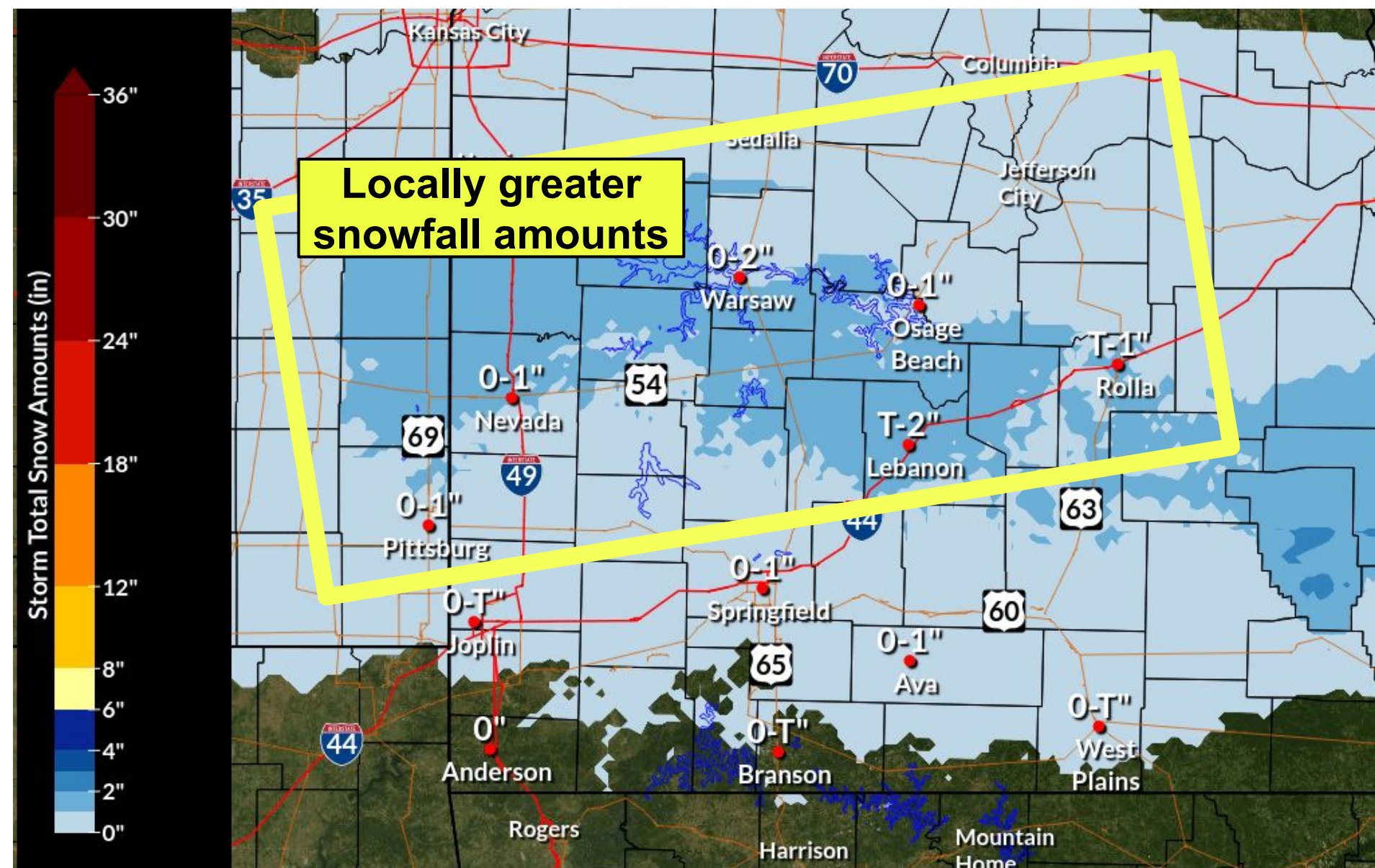
What

- North of Highway 60:
 - ◆ Potential to stay dry on lower end
 - ◆ If banded of snow develops Tuesday, could see a narrow area with greater snowfall up to 4 inches. Location is difficult to pinpoint.
- Along and south of Highway 60:
 - ◆ Wintry mix of mainly sleet and rain.
 - ◆ Could see some freezing rain and snow/sleet at times. Up to a glaze of freezing rain at most.

When

- Greatest chances on Tuesday north of Highway 60 and tonight into Tuesday along/south of highway 60. See timing graphic.

Sleet and Snow Amounts





Impacts – Round 1

February 10, 2025
5:10 AM

This evening into Tuesday

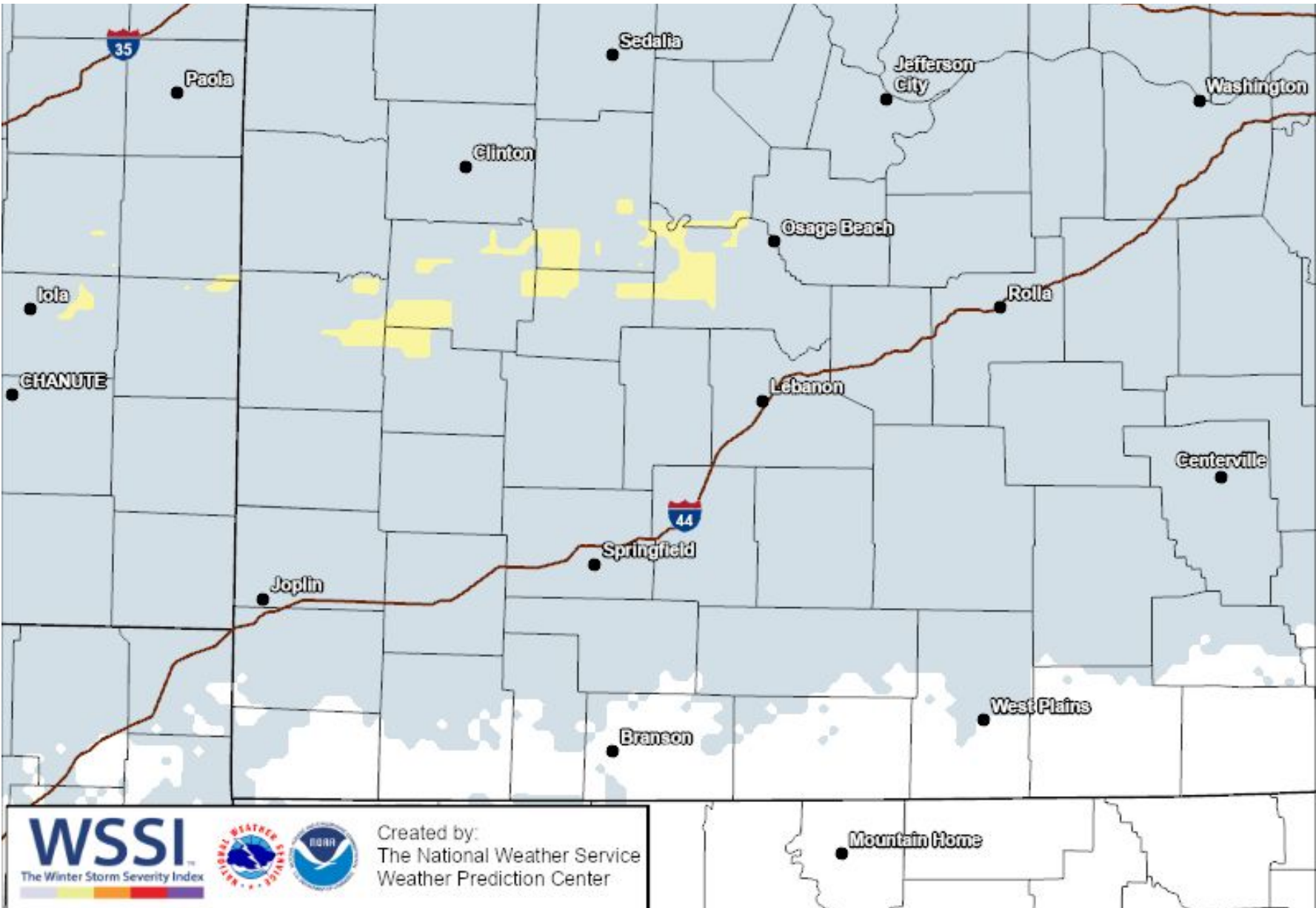
[WSSI](#)

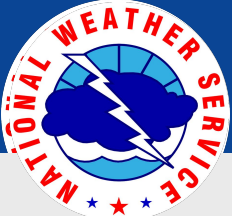
Impact Summary

- Precipitation will generally fall gradually from late this evening through Tuesday
- Temperatures will be near freezing tonight and above freezing on Tuesday
- These factors should limit impacts
- Potential higher impacts are possible on Tuesday if/where localized banded snowfall may develop.

Potential Winter Storm Impacts	
Limited	Drive Carefully.
Minor	Use caution while driving.
Moderate	Use extra caution while driving.
Major	Avoid travel if possible.
Extreme	Travel is not advised.

Winter Storm Severity Index





Precipitation Type Timeline - Round 1

February 10, 2025
5:10 AM

This evening into Tuesday

	6 PM Mon	9 PM Mon	12 AM Tue	3 AM Tue	6 AM Tue	9 AM Tue	12 PM Tue	3 PM Tue	6 PM Tue
Fort Scott, Osceola, Versailles	5%	20%	30%	20%	30%	50%	50%	30%	10%
Camdenton, Rolla, Lebanon	5%	10%	30%	40%	40%	40%	50%	40%	20%
Marshfield, Joplin, Springfield	5%	20%	60%	50%	50%	50%	50%	30%	10%
Houston, Salem, Eminence	5%	10%	60%	70%	70%	60%	50%	30%	10%
Branson, West Plains, Alton	5%	40%	90%	90%	80%	70%	60%	40%	10%

Precipitation Type

None

Rain

Wintry Mix

Light Snow



Confidence Levels – Round 1

February 10, 2025
5:10 AM

Round 1: This evening into Tuesday

Location



Timing



Amounts



Travel Impacts



Confidence Details

- Areas generally north of Highway 60 may stay dry through at least tonight as models continue to trend drier there. However, banded snowfall may develop on Tuesday that could lead to a narrow area with locally up to 4 inches of snowfall. Confidence in the potential and location of this band developing is low.
- Along and south of Highway 60 will see surface and low to mid level temperatures that are borderline for rain, sleet, snow, and freezing rain at times. This makes exact precipitation type very difficult to precisely forecast. Rain and sleet are the highest probability precipitation type.





Summary - Round 2

February 10, 2025
5:10 AM

Wednesday (early morning through late evening)

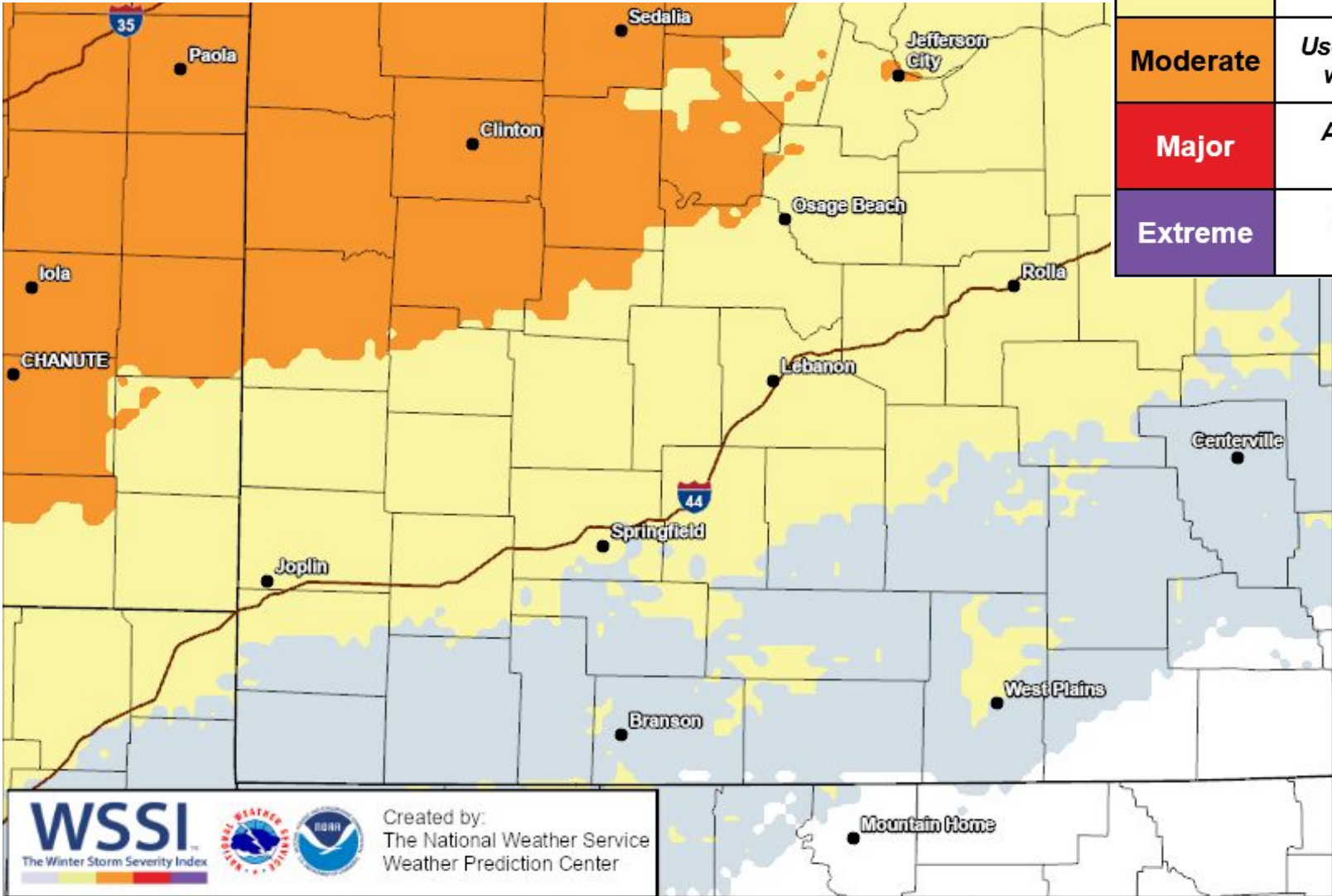
What

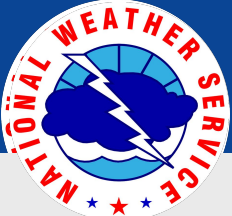
- A second stronger system impacts the area late Tuesday night and Wednesday.
- Minor to moderate impacts are expected northwest of I-44, mainly due to snow accumulations.
- Pockets of minor impacts along and southeast of I-44 are expected, mainly due to sleet and/or freezing rain accumulations.

When

- Very late Tuesday night through Wednesday evening. See timing graphic.

Winter Storm Severity Index





Precipitation Type Timeline - Round 2

February 10, 2025
5:10 AM

Wednesday (early morning through late evening)

	6PM - 12AM Tue/Wed	12AM - 6AM Wed	6AM - 12PM Wed	12PM - 6PM Wed	6PM - 12AM Wed/Thu	12 AM - 6AM Thu
Fort Scott, Osceola, Versailles	10%	60%	100%	70%	20%	0%
Camdenton, Rolla, Lebanon	20%	30%	90%	90%	30%	0%
Marshfield, Joplin, Springfield	10%	30%	100%	70%	20%	0%
Houston, Salem, Eminence	10%	20%	90%	90%	30%	0%
Branson, West Plains, Alton	10%	20%	90%	70%	10%	0%

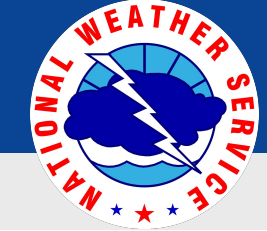
Precipitation Type

None

Rain

Wintry Mix

Light Snow



Snow/Sleet – Round 2

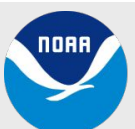
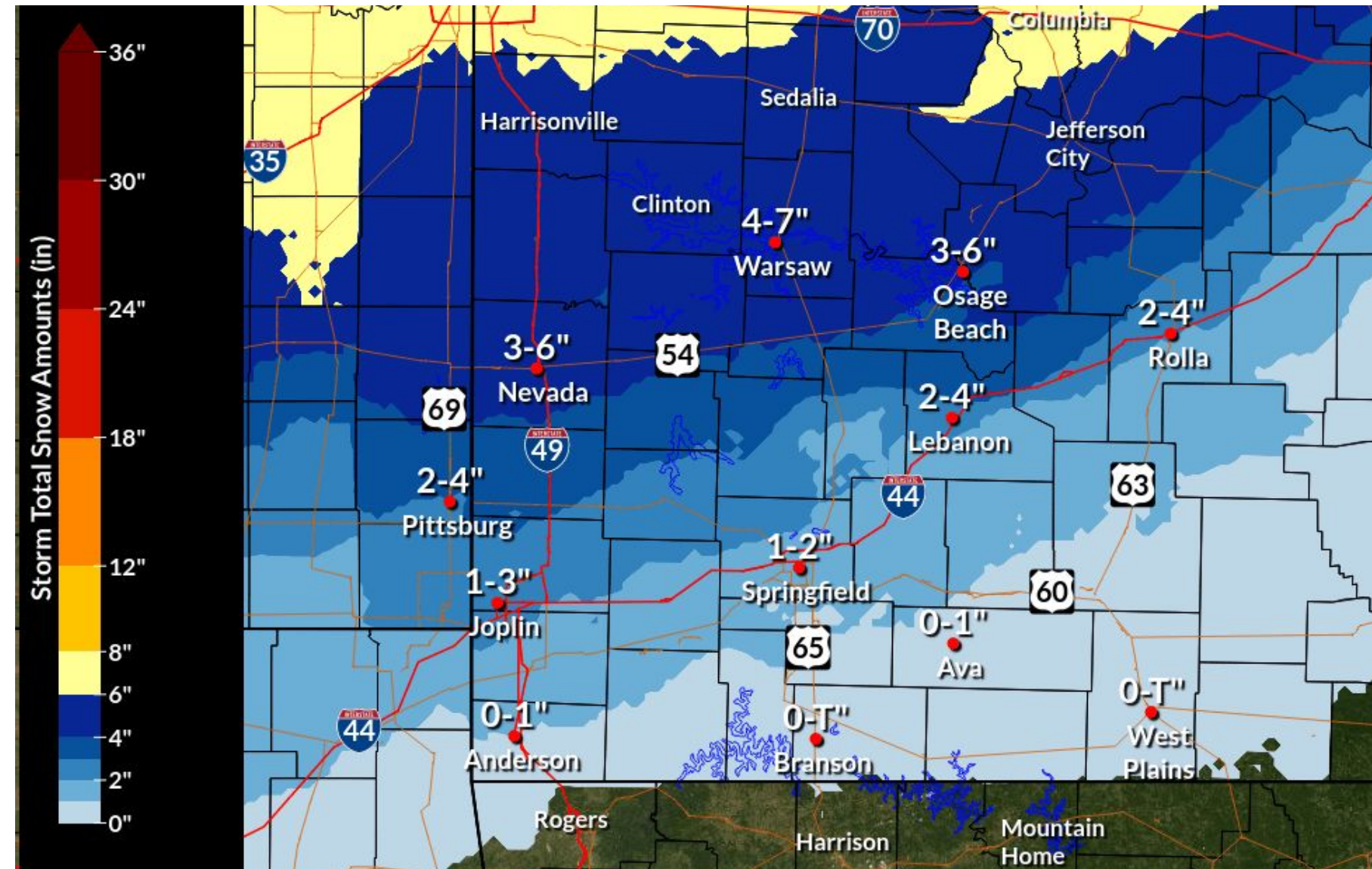
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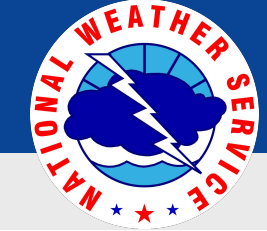
Wednesday (early morning through late evening)

Details

- Greatest snowfall amounts north of Interstate 44
- Mixed precipitation (snow, sleet, and freezing rain) along and south of Interstate 44

Sleet and Snow Amounts





Freezing Rain – Round 2

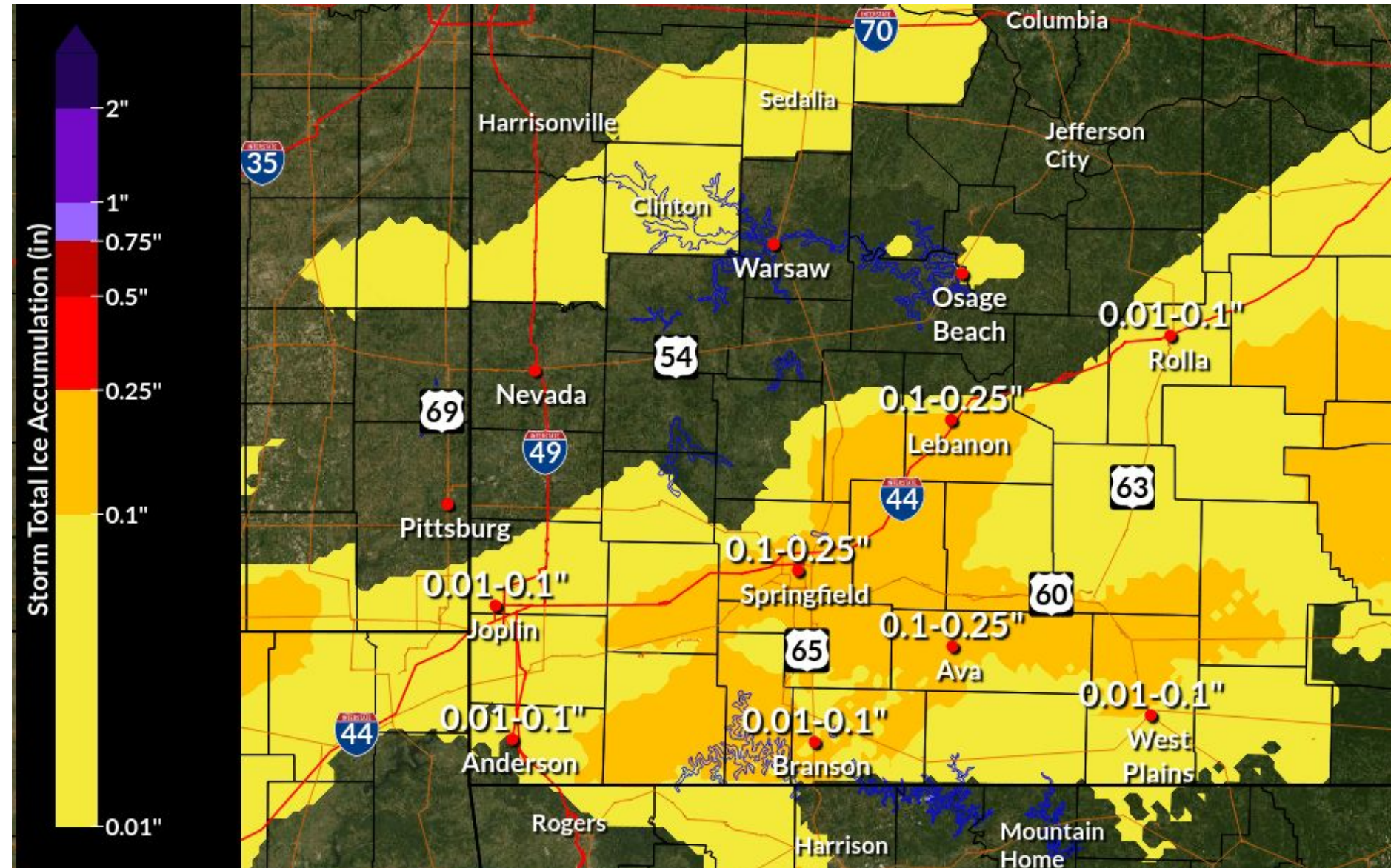
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Wednesday (early morning through late evening)

Details

- Mix of sleet, freezing rain, and snow along and south of Interstate 44.
- Lower to mid level atmospheric temperatures will be on the edge of favoring sleet or freezing rain or snow. Most likely scenario is a mix of all the above.
- Amounts still subject to change, so stay tuned.

Freezing Rain Amounts





Confidence Levels – Round 2

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Wednesday (early morning through late evening)

Location



Timing



Amounts



Travel Impacts



Confidence Details

- Confidence is increasing that, regardless of exact precipitation types/amounts/locations, there will be notable travel impacts particularly in the northwestern portion of the area (toward Kansas City).
- Temperatures in the low to mid levels of the atmosphere are borderline will be on the edge of favoring sleet or freezing rain or snow along and south of Interstate 44. Most likely scenario is a mix of all the above. This limits confidence in precipitation type and amount.
- Timing of the overall system is high, though there may be several periods of different precipitation types in some areas. Timing of these periods is low.





Winter Weather Resources

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Stay Up to Date With the Latest Forecast!

For Additional Information

- [NWS Springfield Webpage](#)
- [IDSS Point Forecasts](#)
- [Graphical Hazardous Weather Outlook](#)
- [NWS Springfield Probabilistic Snowfall](#)
- [MODOT Travel Map](#)
- [KDOT Travel Map](#)
- [Winter Weather Safety](#)
- [Winter Weather Reference Sheet](#)



***Trucks
& SUVs***
*can lose traction
in ice and snow*

Even four-wheel drive vehicles can lose traction in bad weather.

All vehicles are susceptible to ice and snow. Know your limits.



weather.gov

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Atmospheric Administration
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Springfield, MO