



Winter Storm and Dangerous Cold

February 17, 2025
4:21 AM

Key Messages

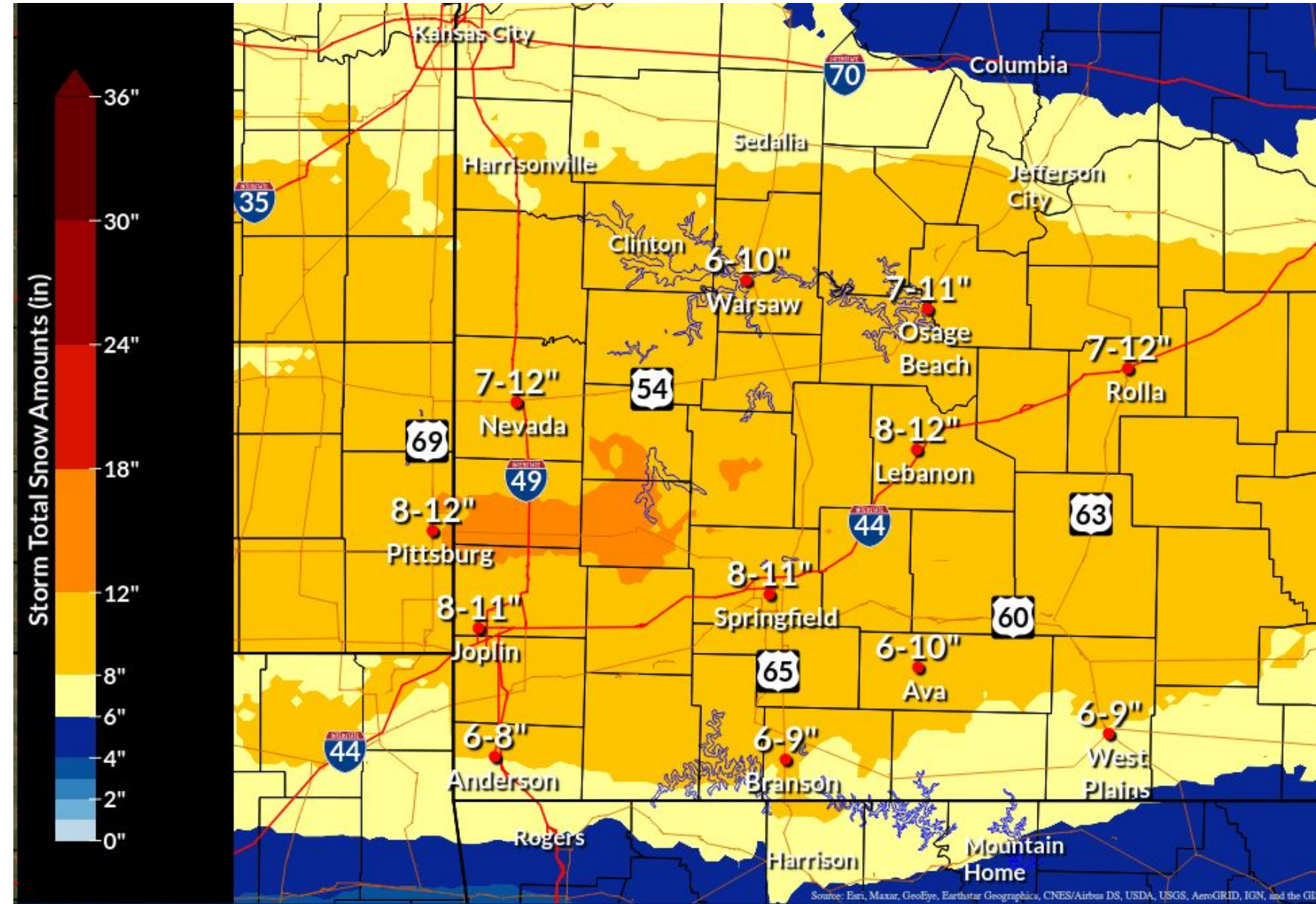
- Winter Storm Warning in effect 12 am Tuesday to 6am Wednesday.
- Heavy snow is expected with total amounts between 6 - 10 inches. Localized amounts up to 13 inches in higher snow bands.
- Travel impacts and closures are likely with this system due to the amount of snow and blowing/drifting of snow.
- Cold Weather Advisory 6 pm Tuesday through 12 pm Thursday. High confidence in dangerous cold on Tuesday through Friday morning. Wind chills of -10 to -20 are likely.

NEW Important Updates

- Updated snowfall amounts. Issued a Cold Weather Advisory.

Next Scheduled Briefing

- Monday Afternoon



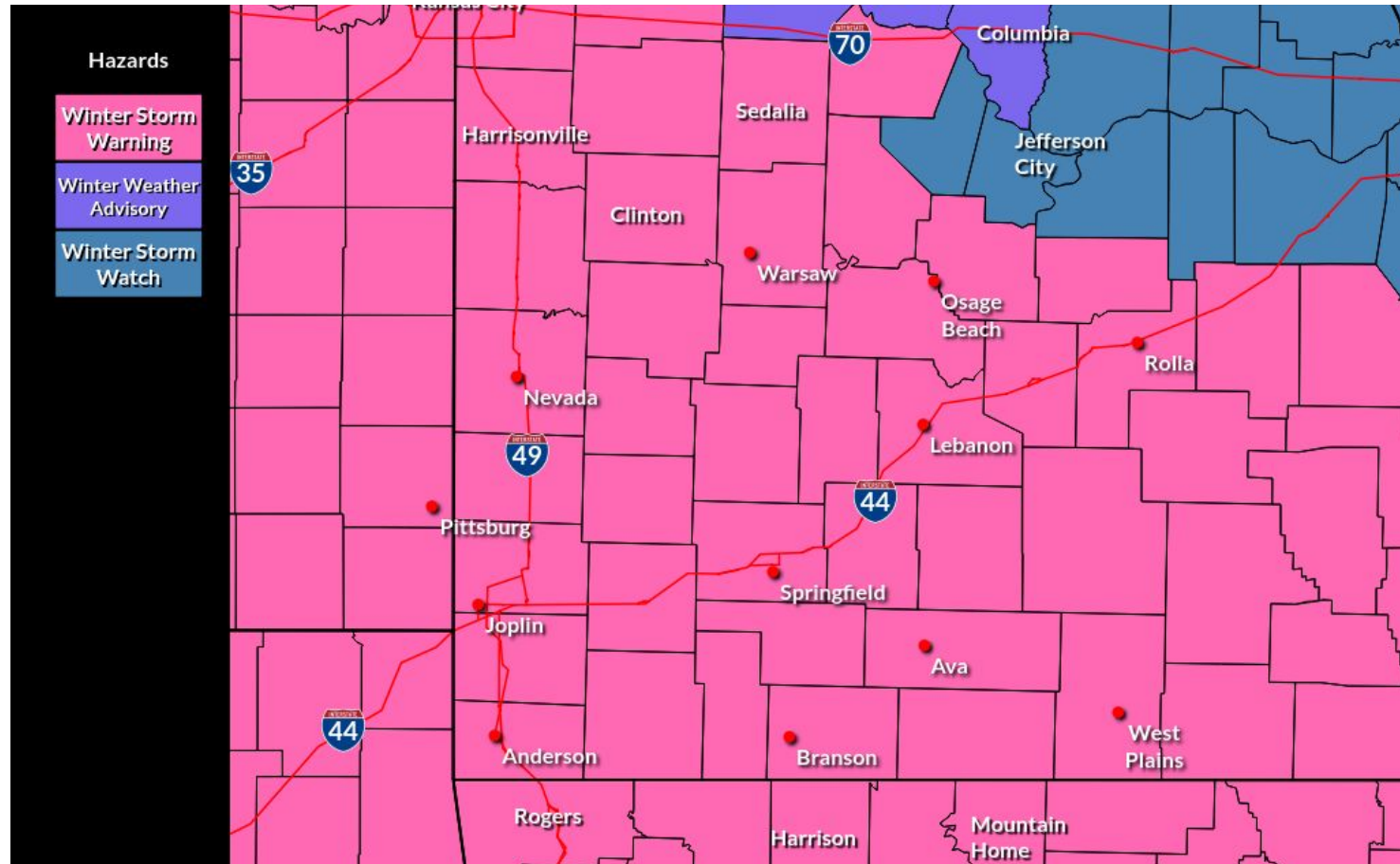
Forecast Snowfall Amounts (25th - 75th percentile)



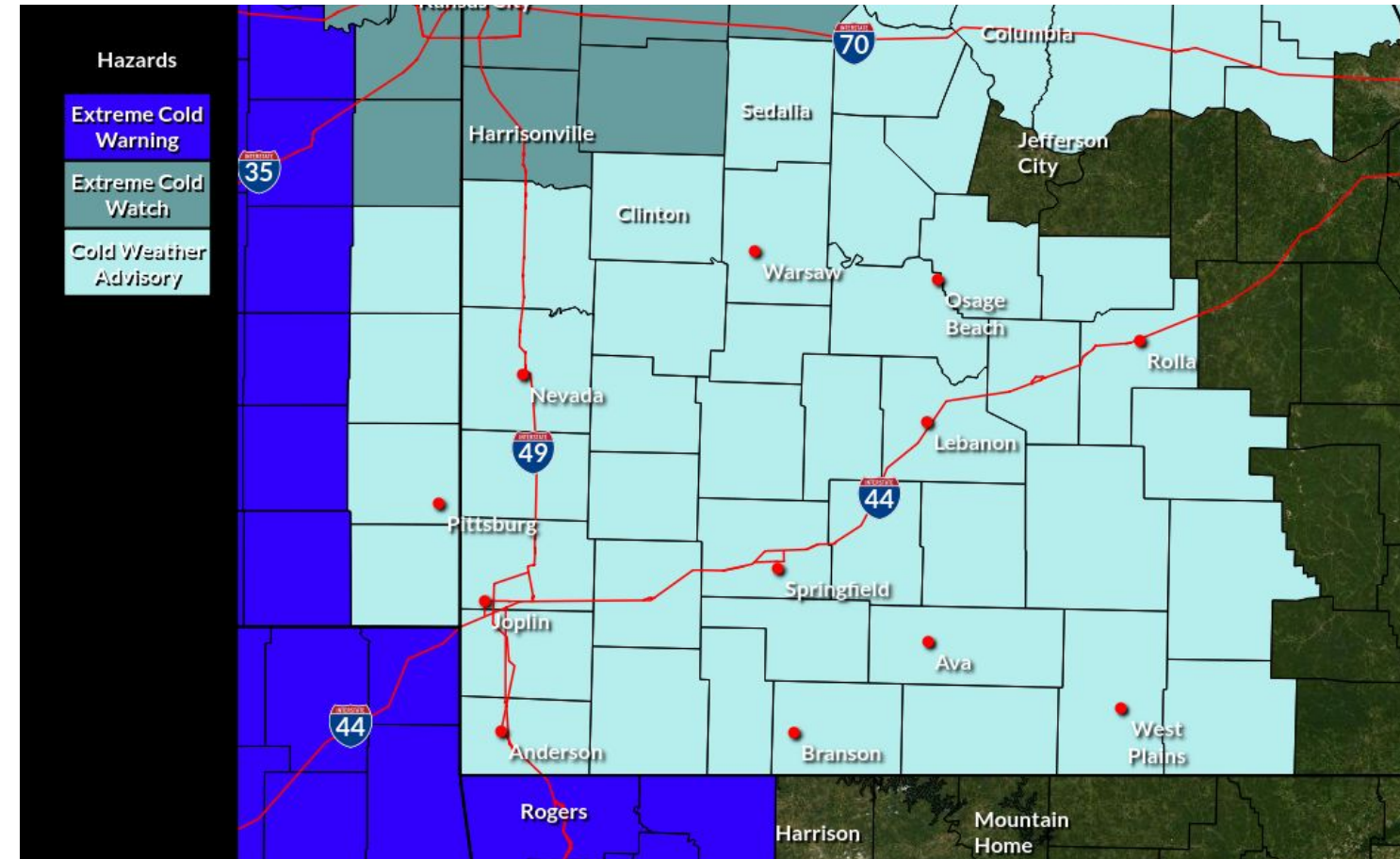
Winter Storm and Cold Headlines

February 17, 2025
4:21 AM

Winter Storm Warning and Cold Weather Advisory



Winter Storm Warning
Tuesday 12 am - Wednesday 6 am



Cold Weather Advisory
Tuesday 6 pm - Thursday 12 pm



Winter Storm and Cold Details

February 17, 2025
4:21 AM



Hazards: Heavy snow (60-90% chance of amounts greater than 6 inches). Wind gusts of 20 to 30 mph. Wind chill values in the -10 to -20 degree range.



Areas Impacted: The entire area will be impacted by heavy snow. The entire area will also experience dangerously cold wind chills Tuesday through Thursday.



Timing & Duration: Snow begins after Midnight Tuesday morning, continuing through Tuesday night, ending Wednesday morning. The heaviest snowfall will occur Tuesday through Tuesday Night.



Impacts: Major travel impacts, closures to businesses/schools and disruptions to daily life are likely. Dangerously cold wind chills could lead to hypothermia and/or frostbite, especially those most sensitive to the cold.



Certainty & Considerations: Confidence is high in heavy snow causing impacts therefore don't focus on exact snow amounts. If wind gusts or snow intensities increase then near blizzard like conditions with drifting of snow would occur.

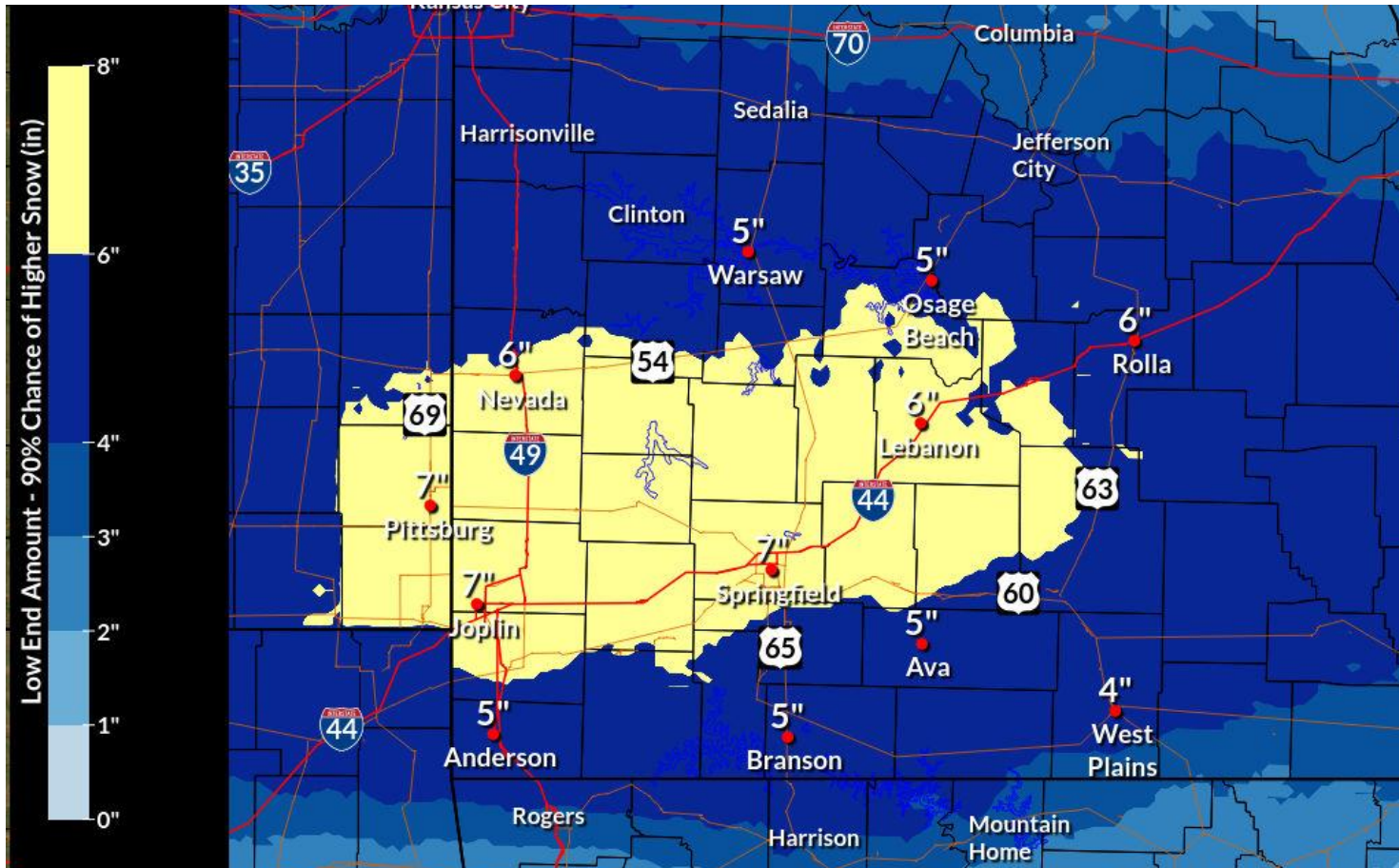




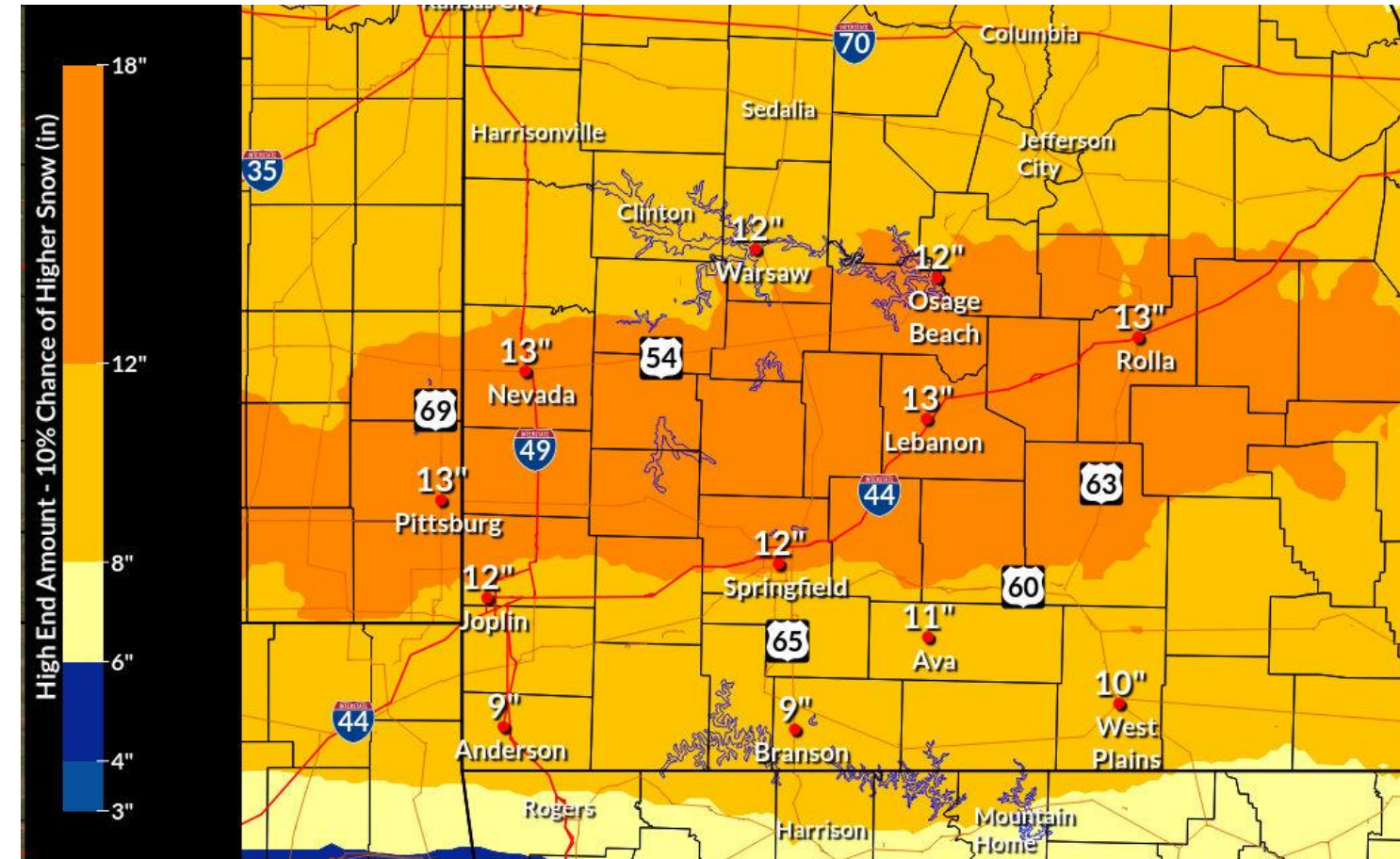
Expected Snowfall

February 17, 2025
4:21 AM

Low and High End Amounts



Low End Amounts (10th percentile)

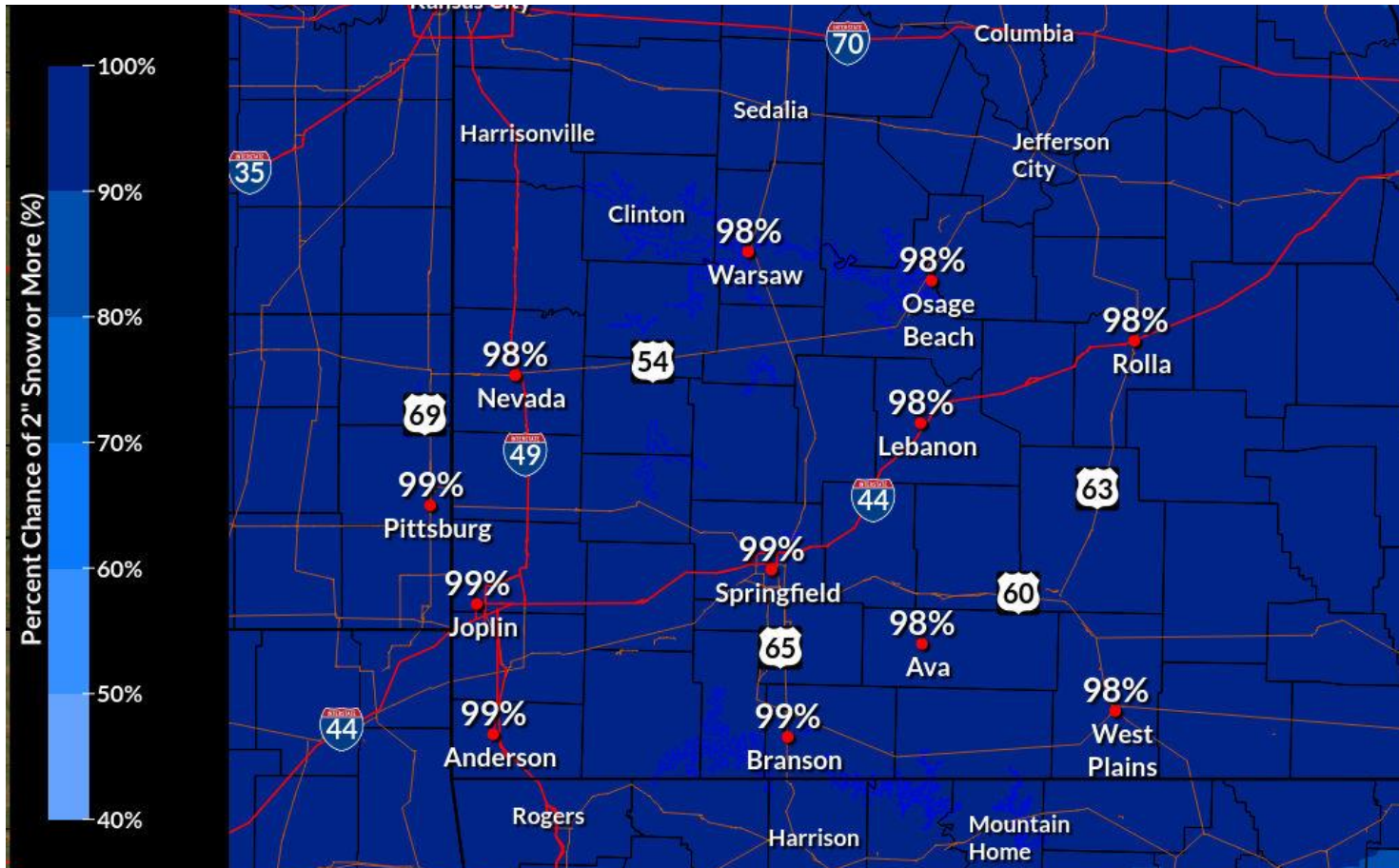


High End Amounts (90th percentile)

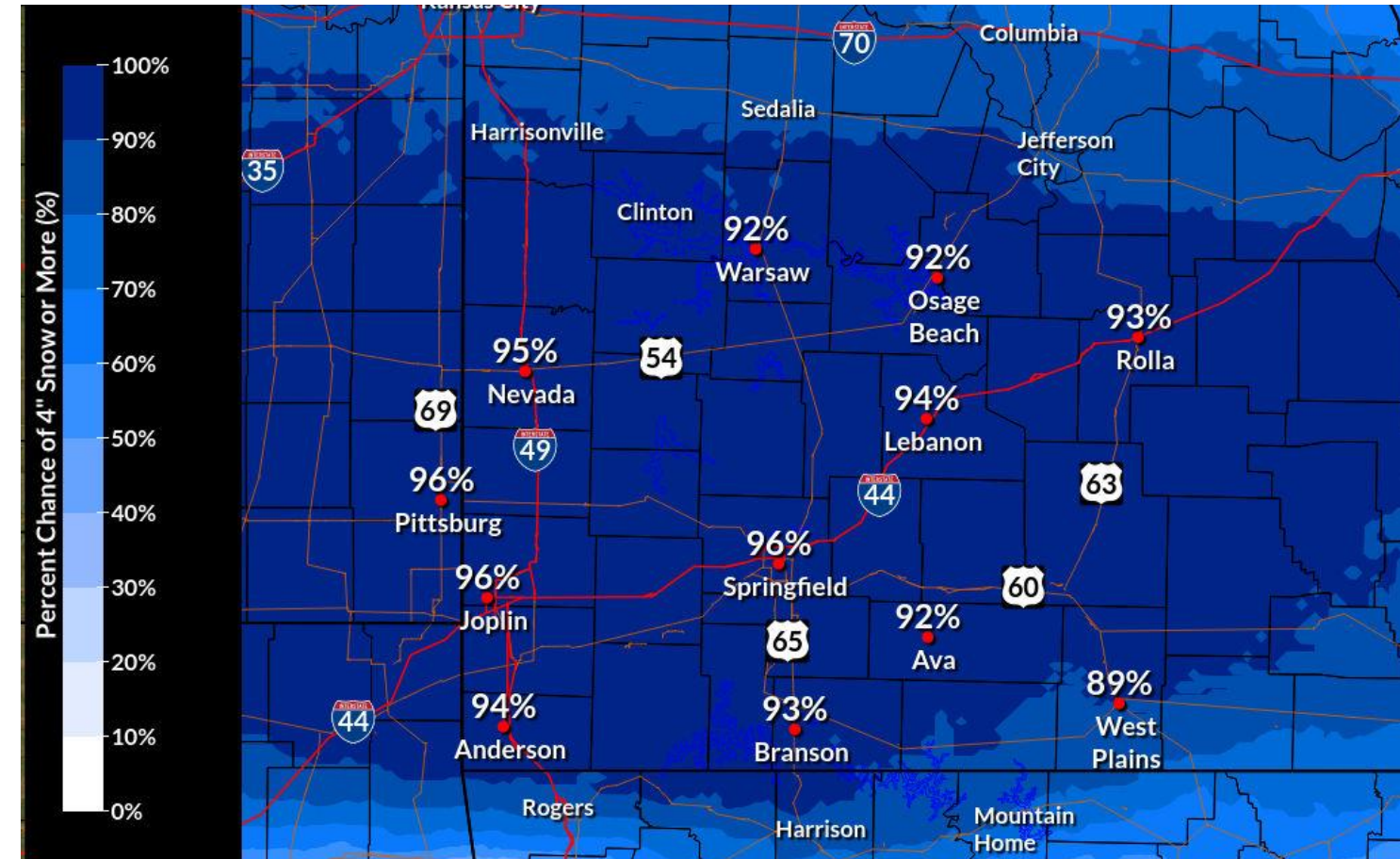


Probabilistic Snowfall

February 17, 2025
4:21 AM



Probability of > 2.0" of snowfall

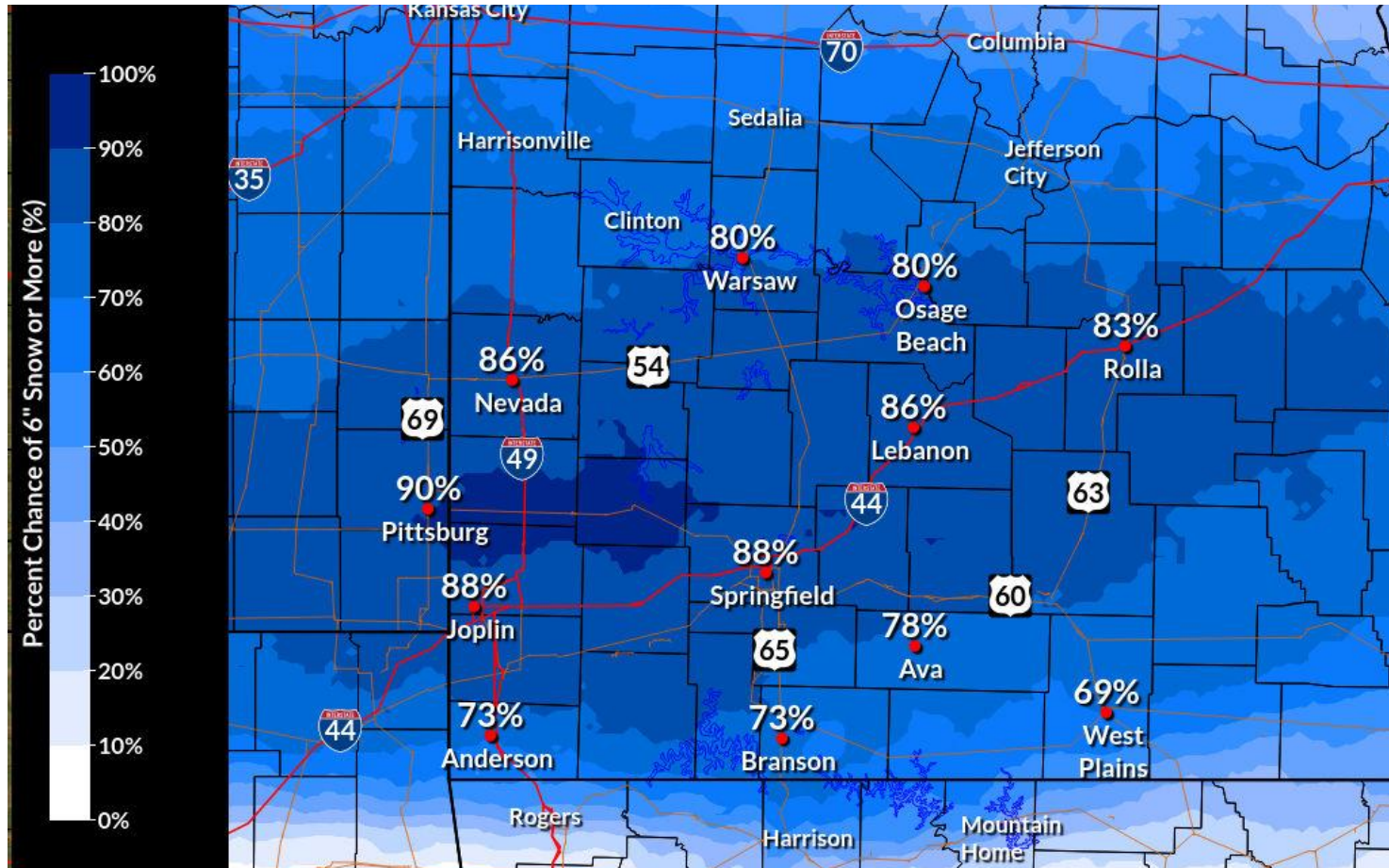


Probability of > 4.0" of snowfall

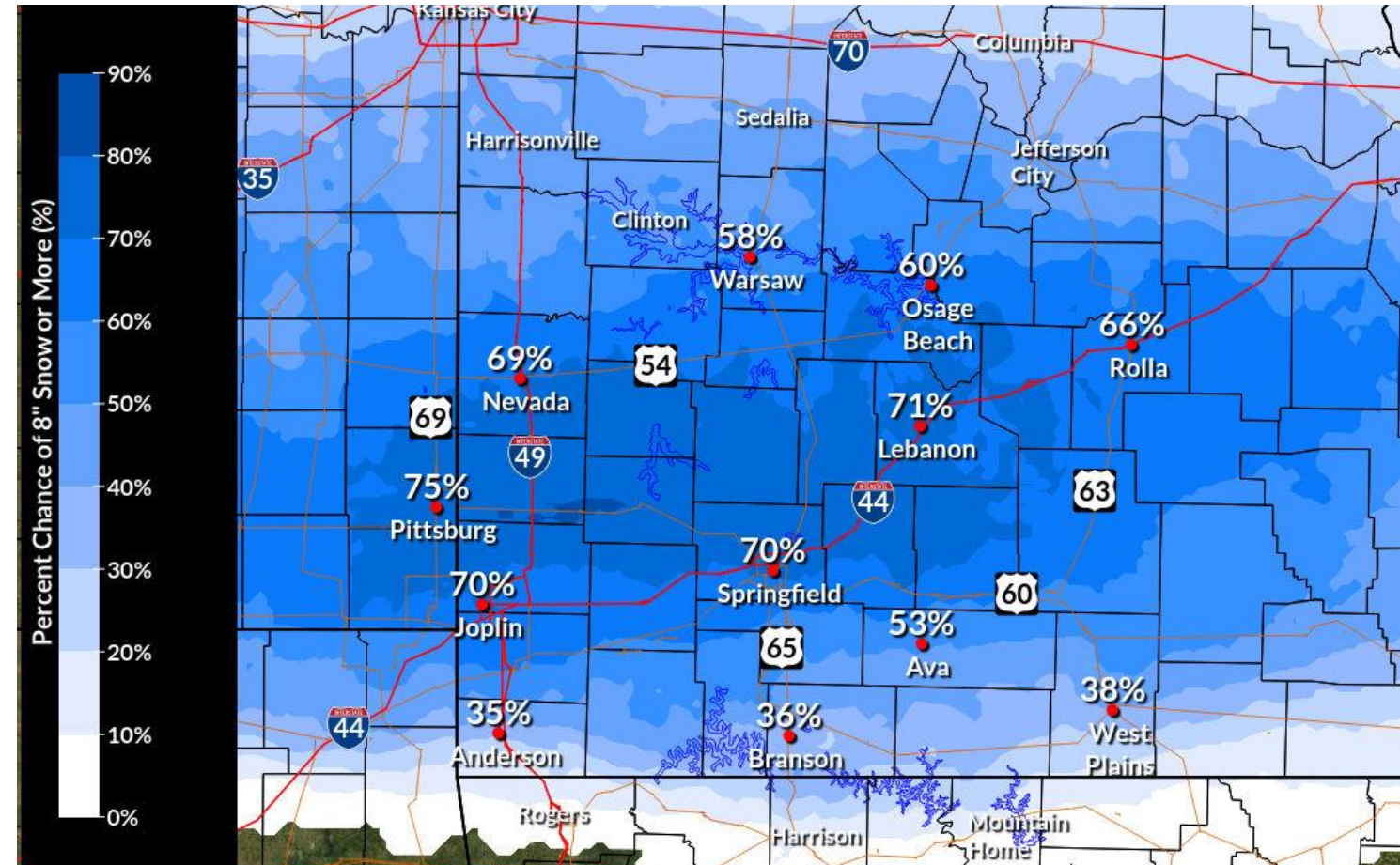


Probabilistic Snowfall

February 17, 2025
4:21 AM



Probability of > 6.0" of snowfall

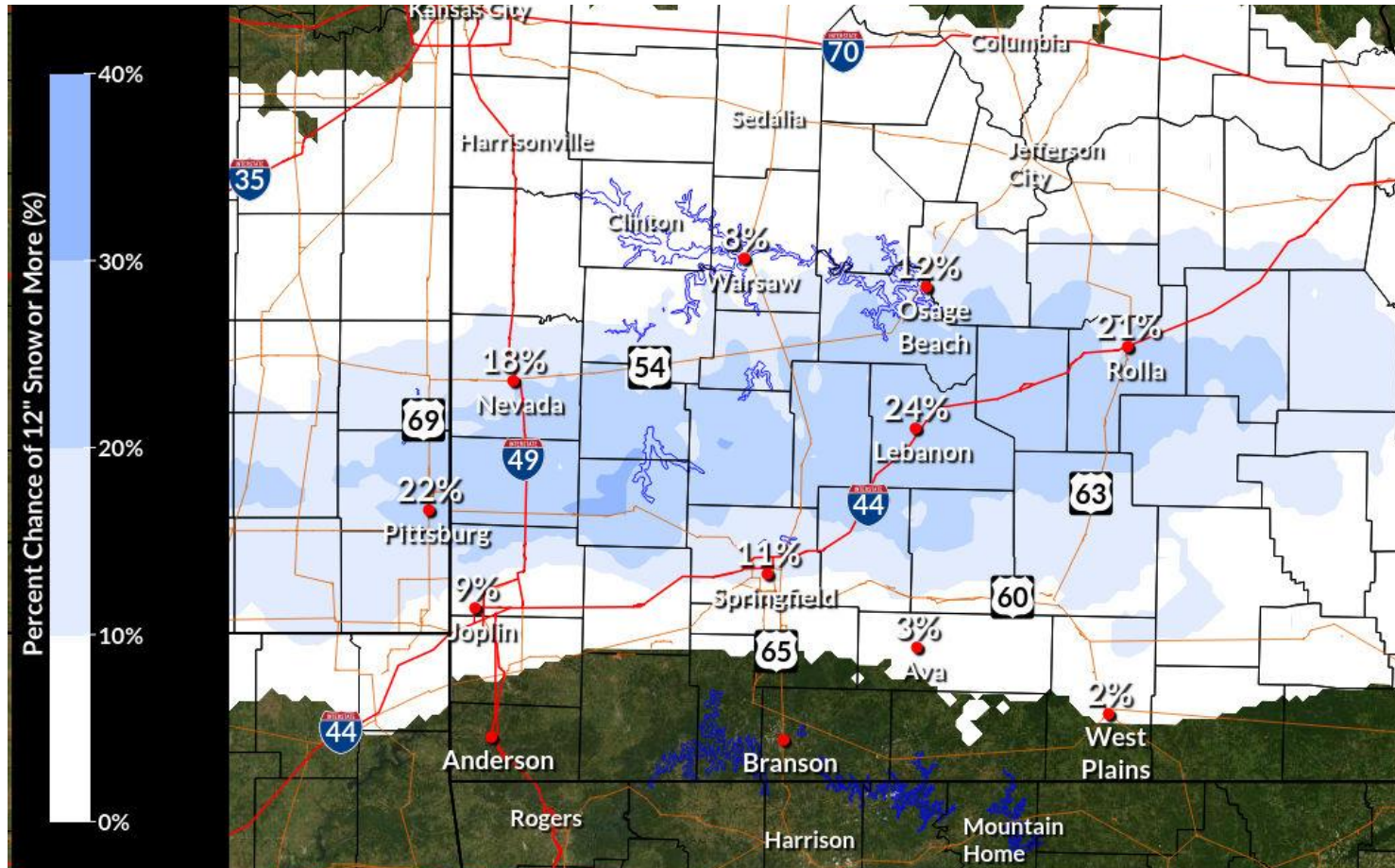


Probability of > 8.0" of snowfall



Probabilistic Snowfall

February 17, 2025
4:21 AM



Probability of > 12.0" of snowfall



Probability of > 18.0" of snowfall

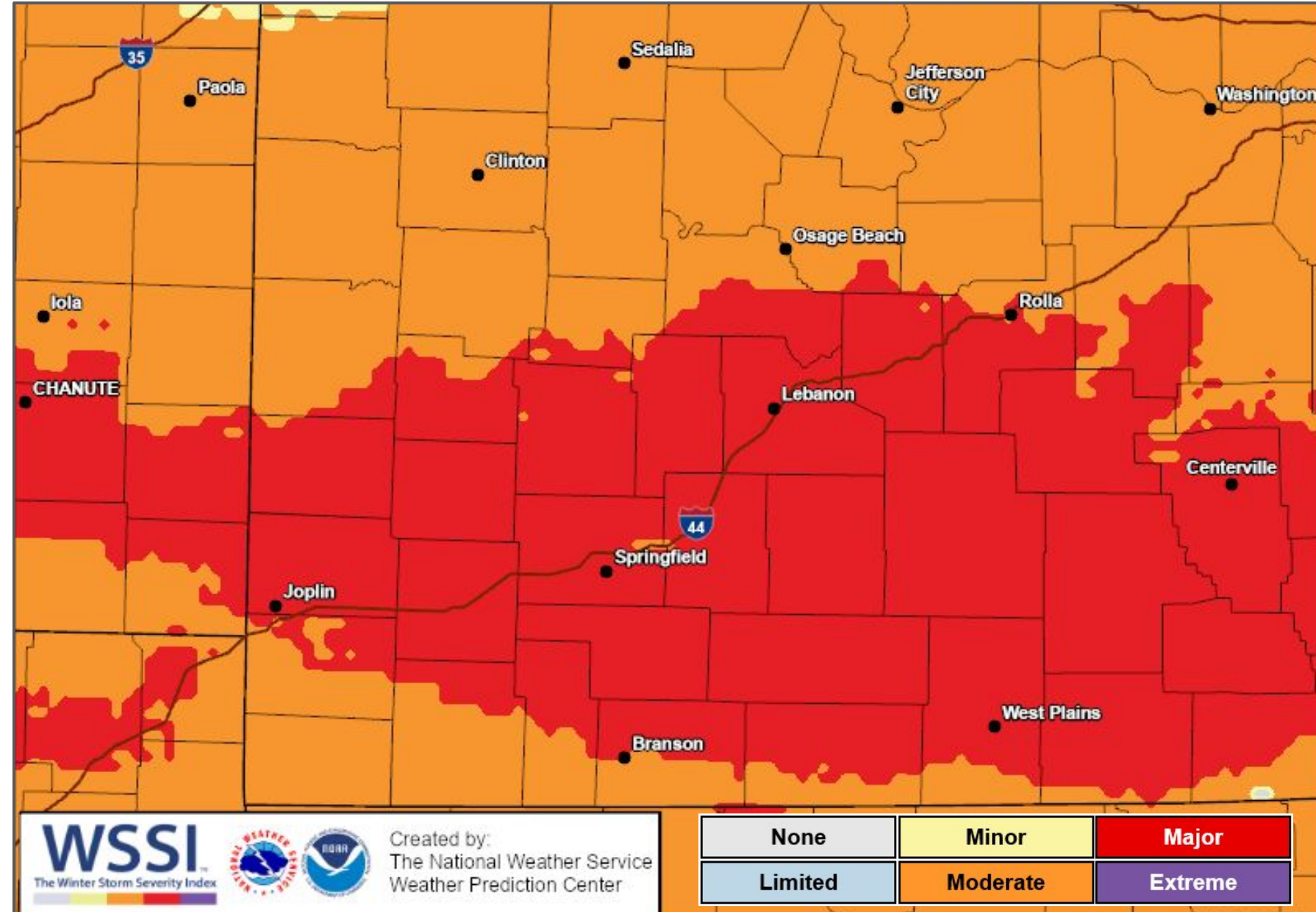


Winter Storm Severity Index

February 17, 2025
4:21 AM

Major Impacts Expected

- Major impacts expected over a large area.
- Expect considerable disruptions to daily life with dangerous or even impossible driving conditions by Tuesday night.
- Blowing and drifting of snow will also create dangerous impacts for travelers.



[NWS Springfield WSSI](#)





Winter Storm Impacts Timeline

February 17, 2025
4:21 AM

Tuesday-Wednesday

	Tuesday				Wednesday		
	12 am	6 am	12 pm	6 pm	12 am	6 am	12 pm
Cassville, Neosho, Anderson	Little/None	Minor	Major	Major	Major	Moderate	Minor
Pittsburg, Joplin, Mount Vernon	Limited	Minor	Major	Major	Major	Minor	Minor
Springfield, Ozark, Marshfield	Little/None	Minor	Major	Major	Major	Moderate	Minor
Branson, Ava, West Plains	Little/None	Limited	Moderate	Major	Major	Moderate	Minor
Lebanon, Rolla, Nevada	Limited	Minor	Moderate	Major	Major	Moderate	Minor
Warsaw, Versailles, Osage Beach	Limited	Minor	Major	Major	Major	Moderate	Minor

- About this Graphic

This hazard matrix depicts timing and magnitude to local travel and infrastructure from snowfall rates/ and or amounts, blowing snow, ice, and cold temperatures.

Additional factors such as time of day, antecedent conditions, and holiday travel periods are also taken into consideration.

Impact Level

Little/None	Limited	Minor	Moderate	Major	Extreme
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Estimated Snow Timing/Intensity

February 17, 2025
4:21 AM

Heaviest Snow Tuesday Afternoon through Evening

	2/18 Tue								2/19 Wed		
	12am	3am	6am	9am	12pm	3pm	6pm	9pm	12am	3am	6am
Pittsburg, KS	25%	35%	80%	80%	100%	100%	80%	80%	10%	10%	0%
Joplin	15%	25%	75%	75%	100%	100%	85%	85%	15%	15%	0%
Springfield	15%	25%	55%	55%	95%	95%	95%	95%	30%	30%	0%
Branson	5%	10%	35%	35%	90%	90%	95%	95%	35%	35%	0%
Lebanon	20%	30%	50%	50%	95%	95%	95%	95%	30%	30%	0%
Osage Beach	20%	35%	50%	50%	90%	90%	85%	85%	20%	20%	0%
Fort Leonard Wood	20%	30%	45%	45%	90%	90%	95%	95%	35%	35%	5%
West Plains	15%	15%	15%	15%	80%	80%	100%	100%	65%	65%	5%
Rolla	20%	35%	50%	50%	90%	90%	95%	95%	40%	40%	5%

- Snow +



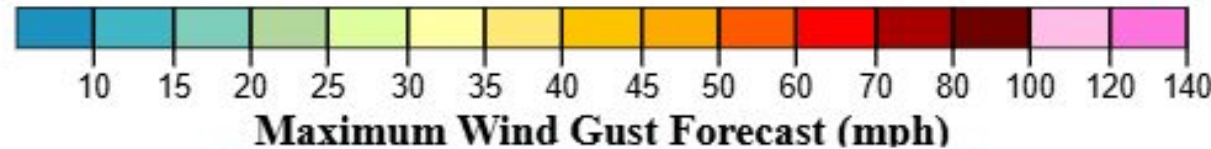


Gusty Winds Tuesday - Wednesday

February 17, 2025
4:21 AM

Blowing and Drifting Snow

	2/18 Tue								2/19 Wed						
	12am	3am	6am	9am	12pm	3pm	6pm	9pm	12am	3am	6am	9am	12pm	3pm	6pm
Pittsburg, KS	24↖	26↖	28↖	28↖	26↖	26↖	25↖	24↖	23↓	23↓	22↓	22↓	21↓	20↓	17↓
Joplin	20↖	23↖	26↖	26↖	26↖	26↖	25↖	23↖	22↓	21↓	21↓	21↓	20↓	20↓	17↓
Springfield	17↖	20↖	22↖	22↖	23↖	24↖	24↖	22↖	21↓	21↓	20↓	20↓	20↓	21↓	20↓
Branson	13↖	15↖	18↖	20↖	20↖	20↖	20↖	18↖	17↓	17↓	17↓	16↓	17↓	18↓	17↓
Lebanon	20↖	21↖	22↖	22↖	22↖	23↖	23↖	22↖	21↓	21↓	20↓	18↓	18↓	20↓	20↓
Osage Beach	17↖	18↖	18↖	20↖	18↖	20↖	20↖	18↖	16↓	16↓	15↓	14↓	15↓	16↓	16↓
Fort Leonard Wood	16↖	18↖	20↖	20↖	20↖	21↖	21↖	21↖	18↓	18↓	18↓	18↓	18↓	20↓	18↓
West Plains	16↖	20↖	22↖	22↖	22↖	23↖	23↖	23↖	23↓	24↓	24↓	22↓	21↓	21↓	20↓
Rolla	18↖	20↖	20↖	20↖	21↖	21↖	21↖	20↖	18↓	18↓	17↓	17↓	18↓	18↓	18↓

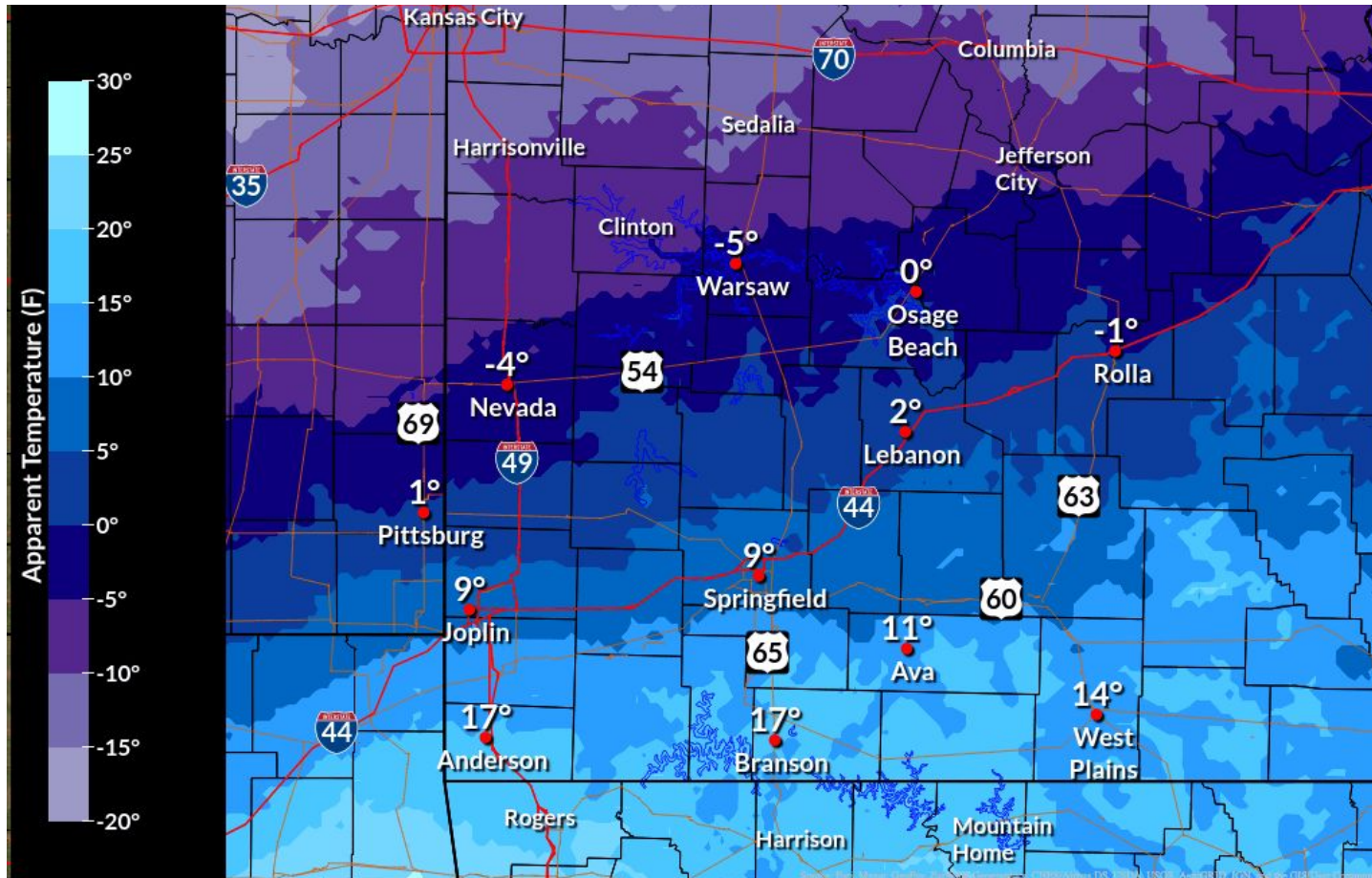


→ High confidence of 20-30 mph wind gusts Tuesday into Wednesday. These winds could cause reduced visibility along with blowing and drifting of snow with near blizzard like conditions at times west of Springfield.

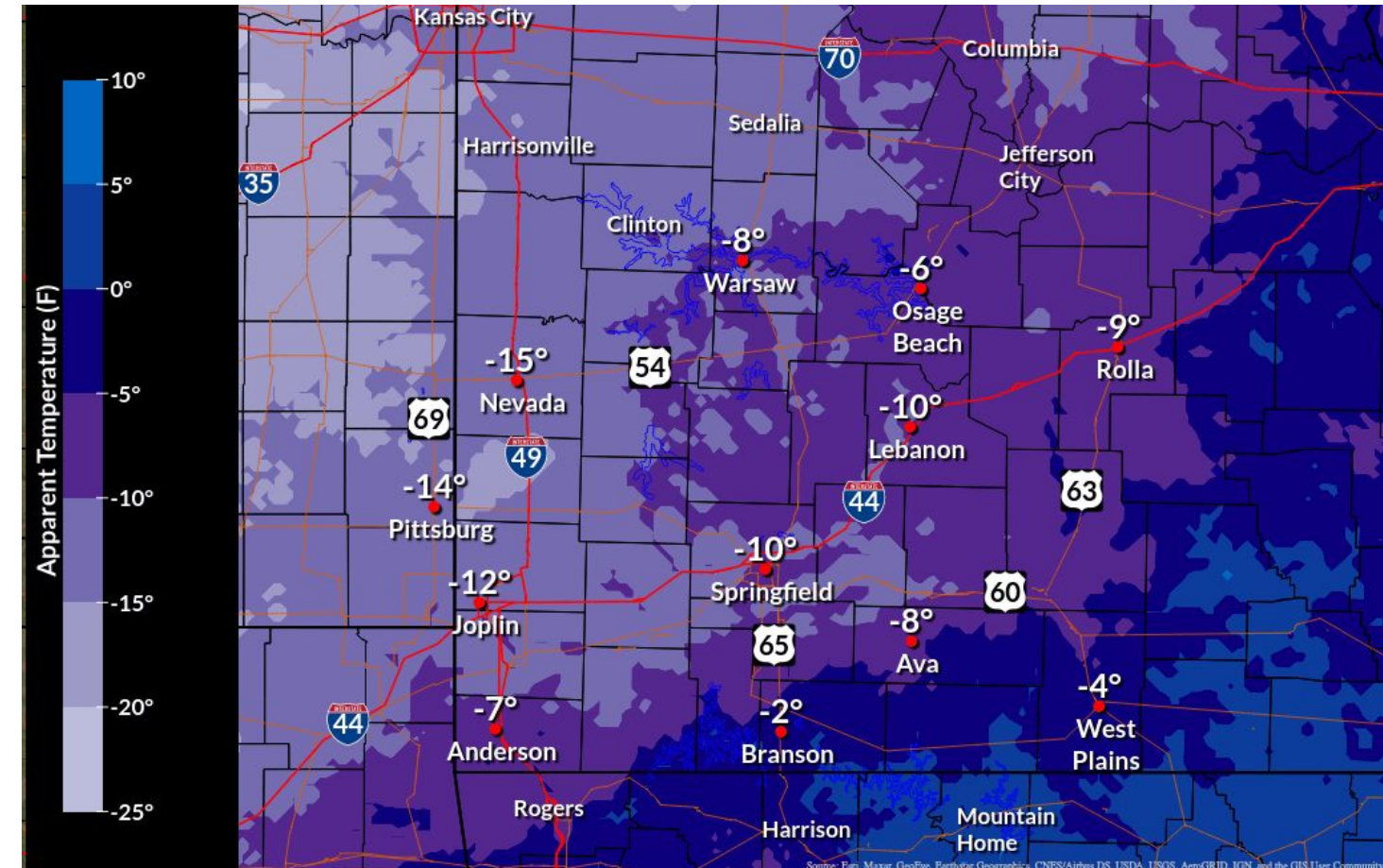


Forecast Minimum Wind Chills

February 17, 2025
4:21 AM



Tonight

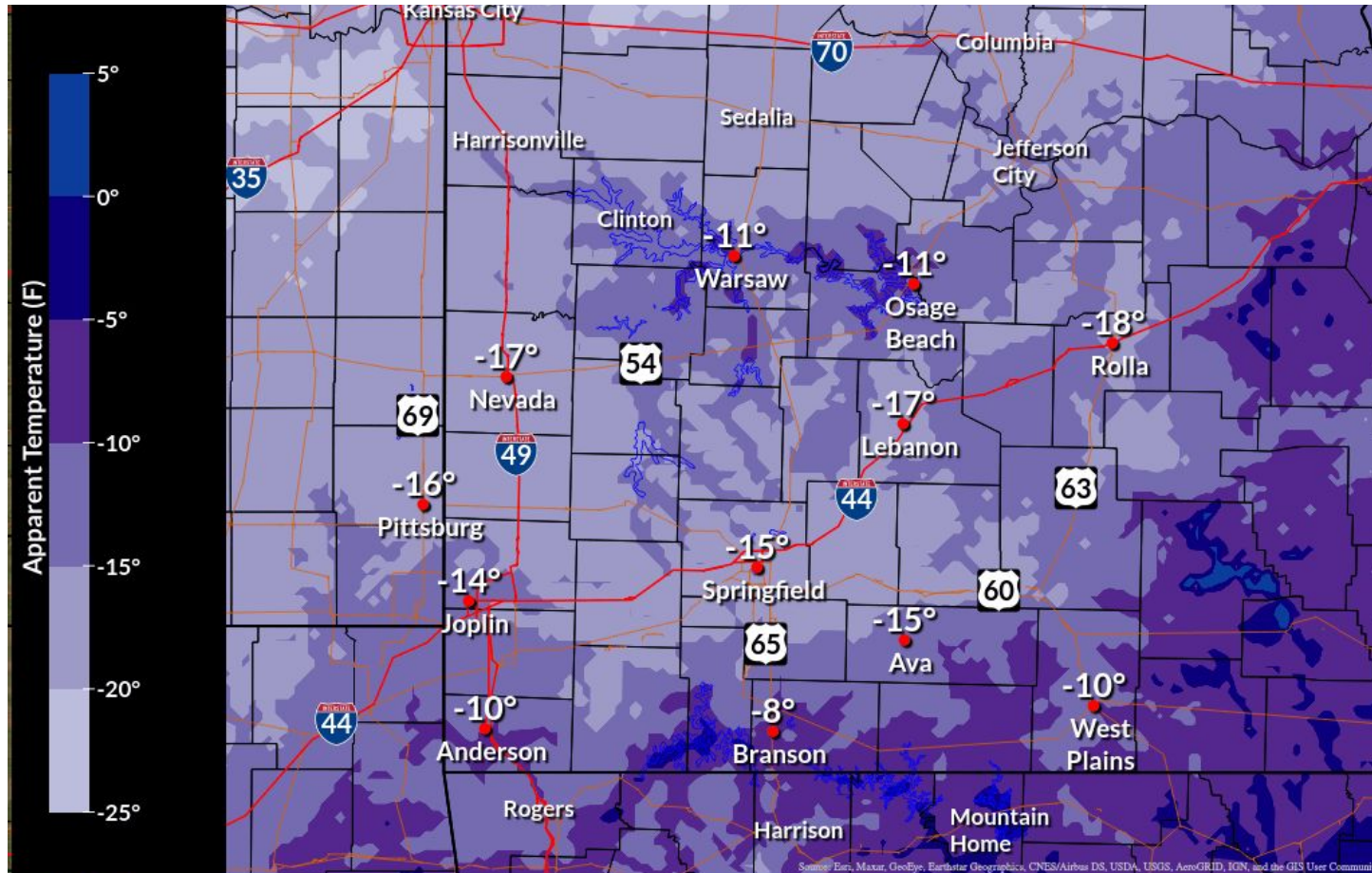


Tuesday Night

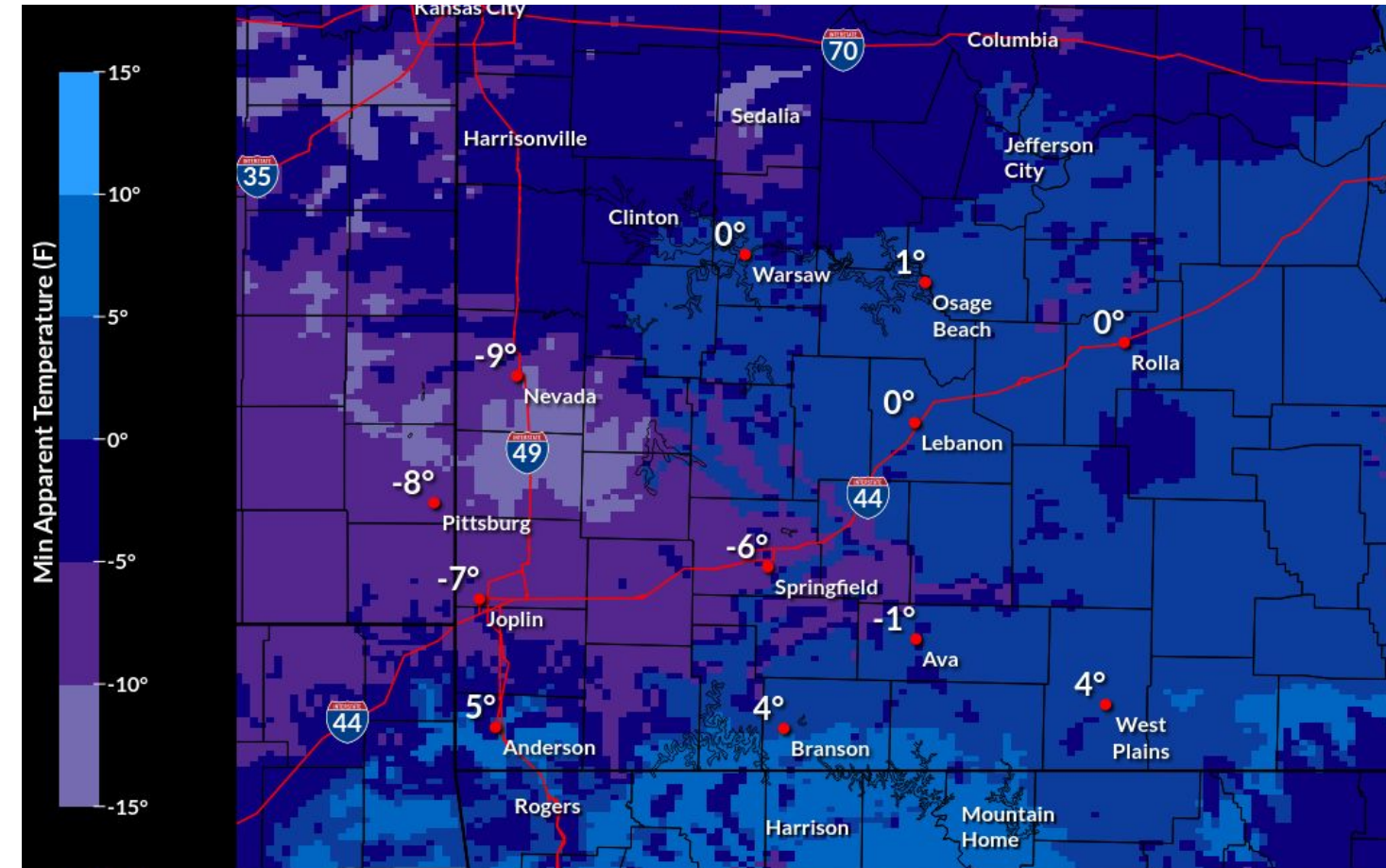


Forecast Minimum Wind Chills

February 17, 2025
4:21 AM



Wednesday Night



Thursday Night



Snow Amounts



Snow Timing



Severity of Impacts



Dangerous Cold



Confidence Details and Alternate Scenarios

- There is high confidence that accumulating snow will impact the region on Tuesday. Banded snowfall may result in localized higher amounts.
- Increasing confidence in near blizzard-like conditions could occur with wind gusts approaching 20 to 30 mph.
- Low confidence in a brief period of sleet occurring along the Missouri/Arkansas border Tuesday morning.
- There is high confidence that dangerous cold will move into the area behind the snow Tuesday night through Friday morning.



Winter Weather Resources

February 17, 2025
4:21 AM

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](#)
- [Cold Weather Guidance](#)

ICE & SNOW, TAKE IT SLOW

Each year in the U.S., there are over **1,000 deaths** and **100,000 injuries** due to vehicle crashes during winter weather.

DID YOU KNOW?

-  **Clean off your vehicle before driving.**
Flying snow from cars causes accidents.
-  **Keep it slow, and don't use cruise control.**
Roads can be slick even if they just look wet.
-  **Leave extra distance between vehicles.**
Stay especially far from snow plows.



weather.gov 

DRESSING FOR COLD WEATHER

Adding layers will help keep you warm as the temperature drops

CHILLY	COLD	EXTREME COLD
<ul style="list-style-type: none"> 1-2 layers long layer outer layer to keep out wind, rain warm shoes water proof 	<ul style="list-style-type: none"> 2-3 layers gloves warm hat outer layer to keep out wind, wet snow boots water proof 1-2 layers 	<ul style="list-style-type: none"> 3+ layers 1 insulating gloves warm hat face mask outer layer to keep out wind boots water proof 2+ layers

weather.gov/cold

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U.S. Department of Commerce

National Weather Service
Springfield, MO