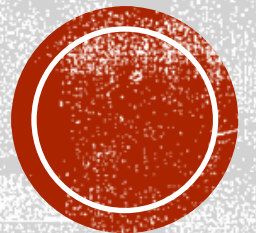


Internship Work

Srishti Roy Chowdhury

GIS Intern

INDOT Vincennes District

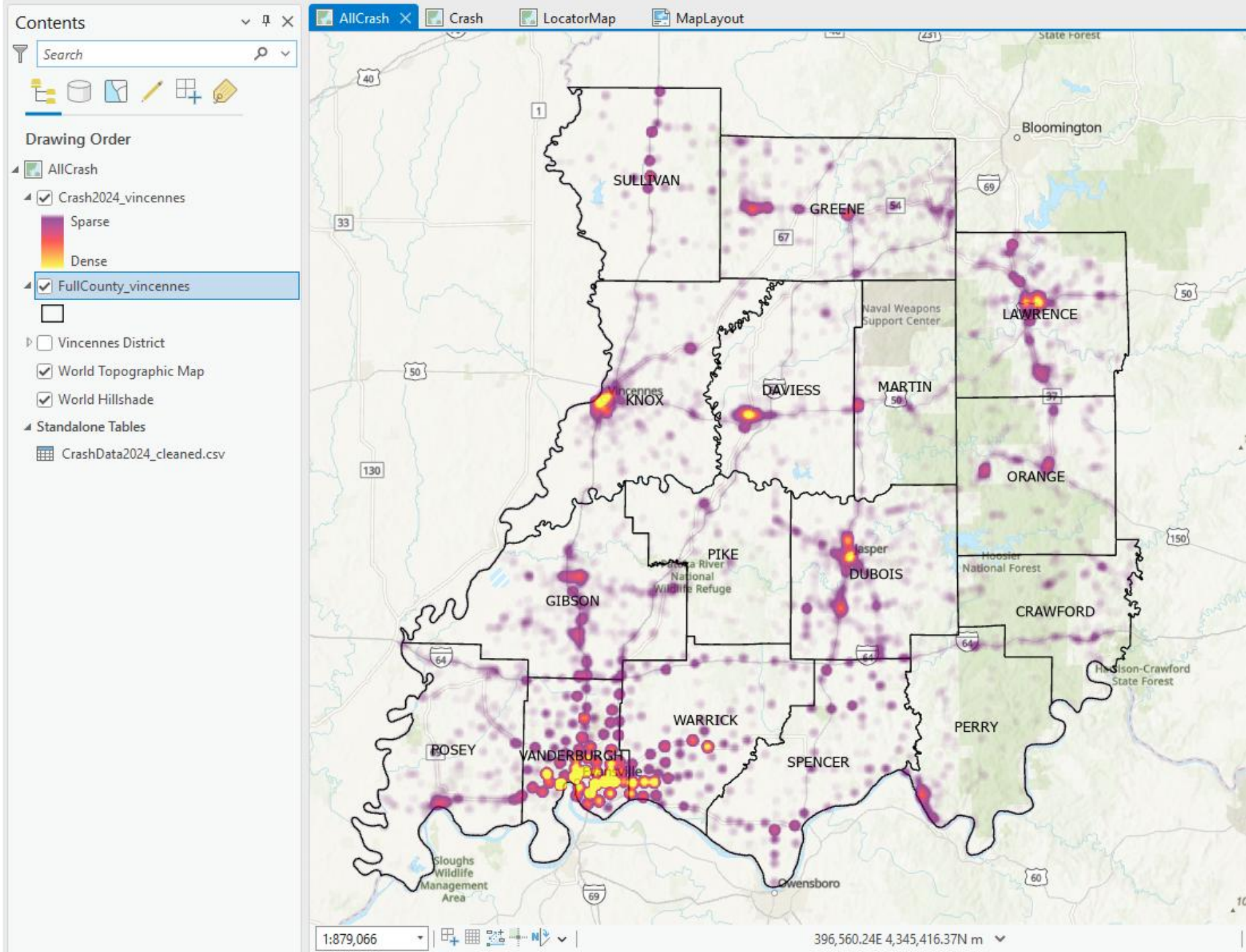


Crash Map 2024



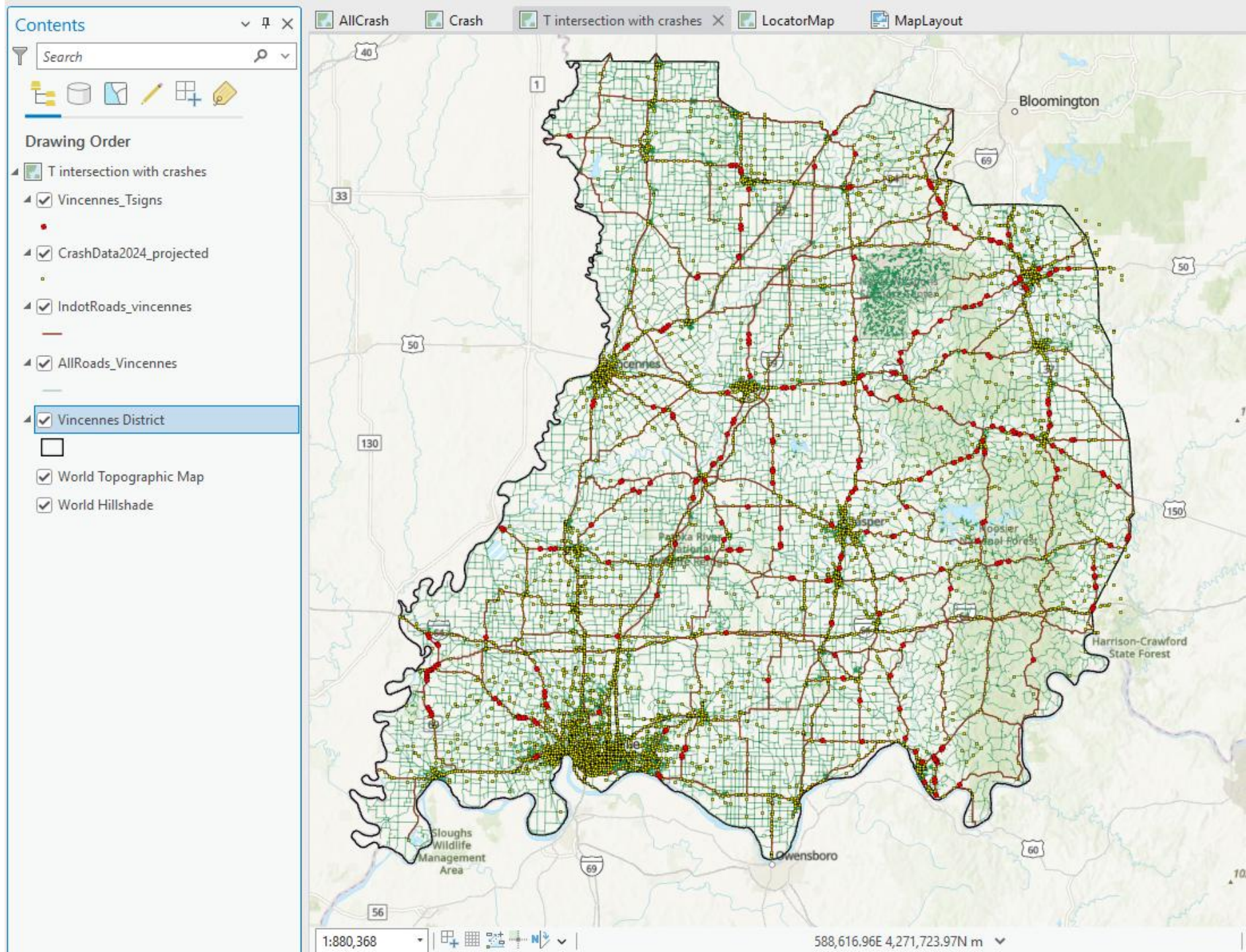
Crash Heatmap

- Cleaned missing latitude longitude values of crash 2024 data.
- Used them to plot crashes in map and made crash Heat map
- Created individual county-wise crash maps for county meetings



Crashes

- Crashes with T signs to locate the vulnerable T-intersections with high density crashes.

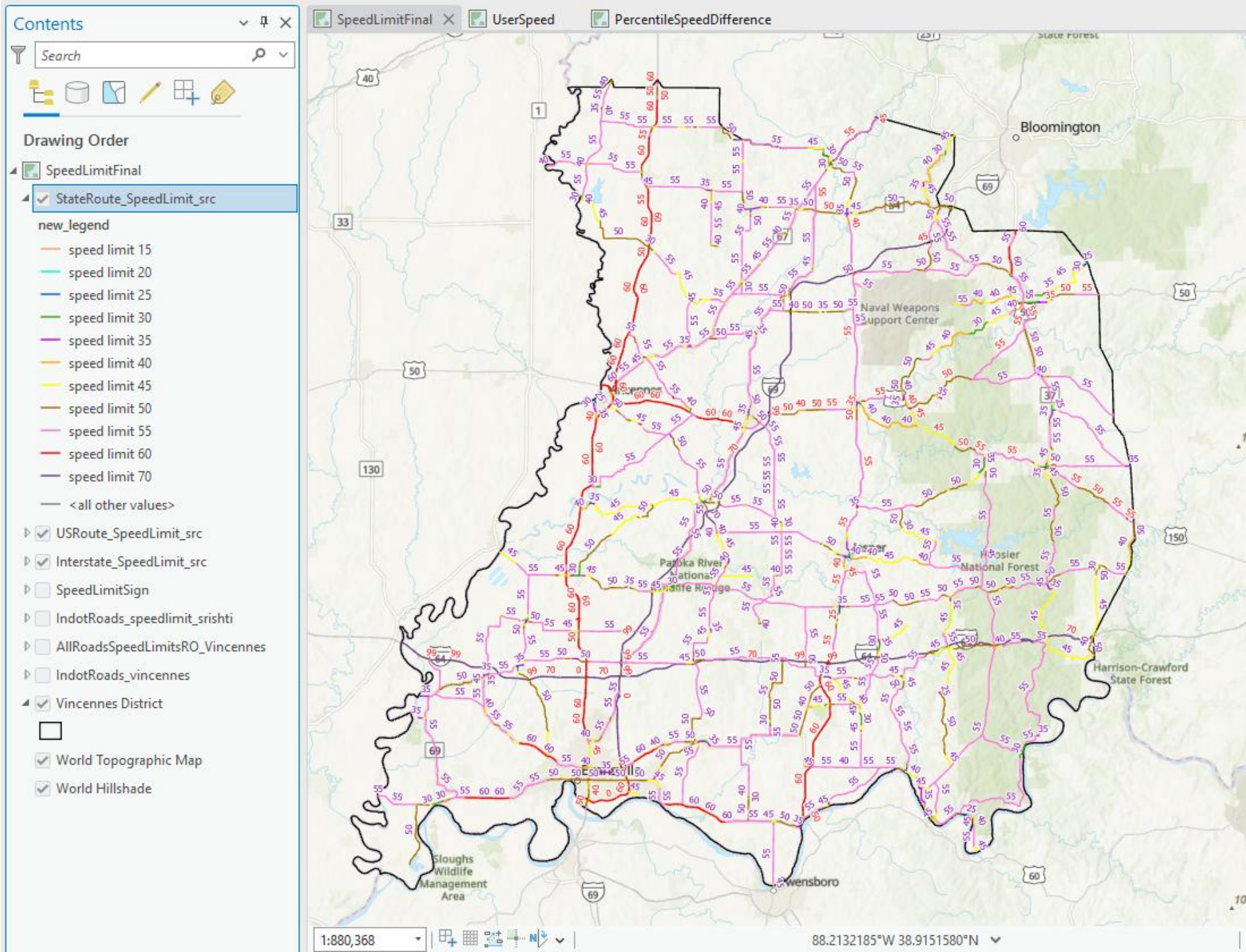


Speed Map



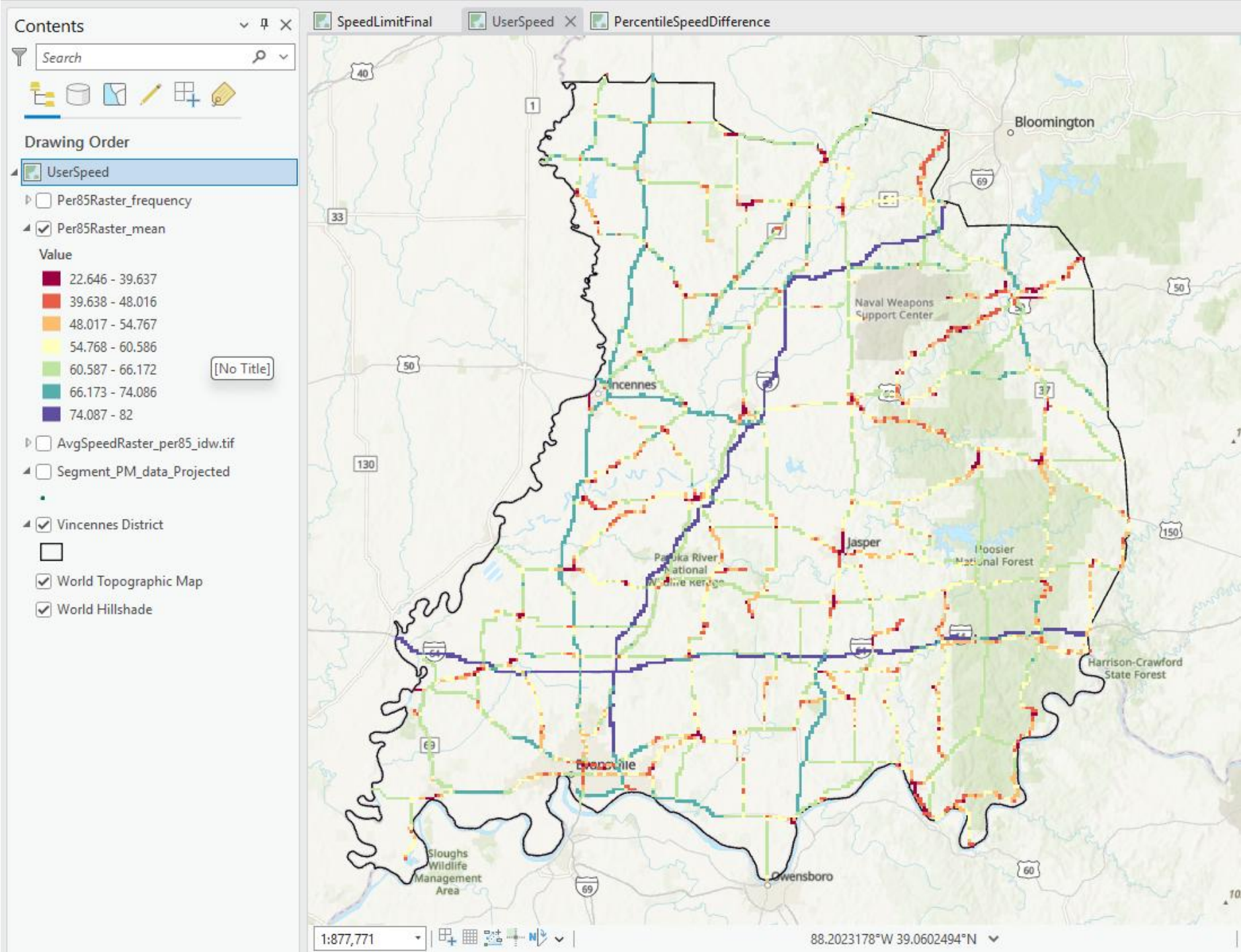
Posted Speed

- Posted speed limit map created from regulatory sign data



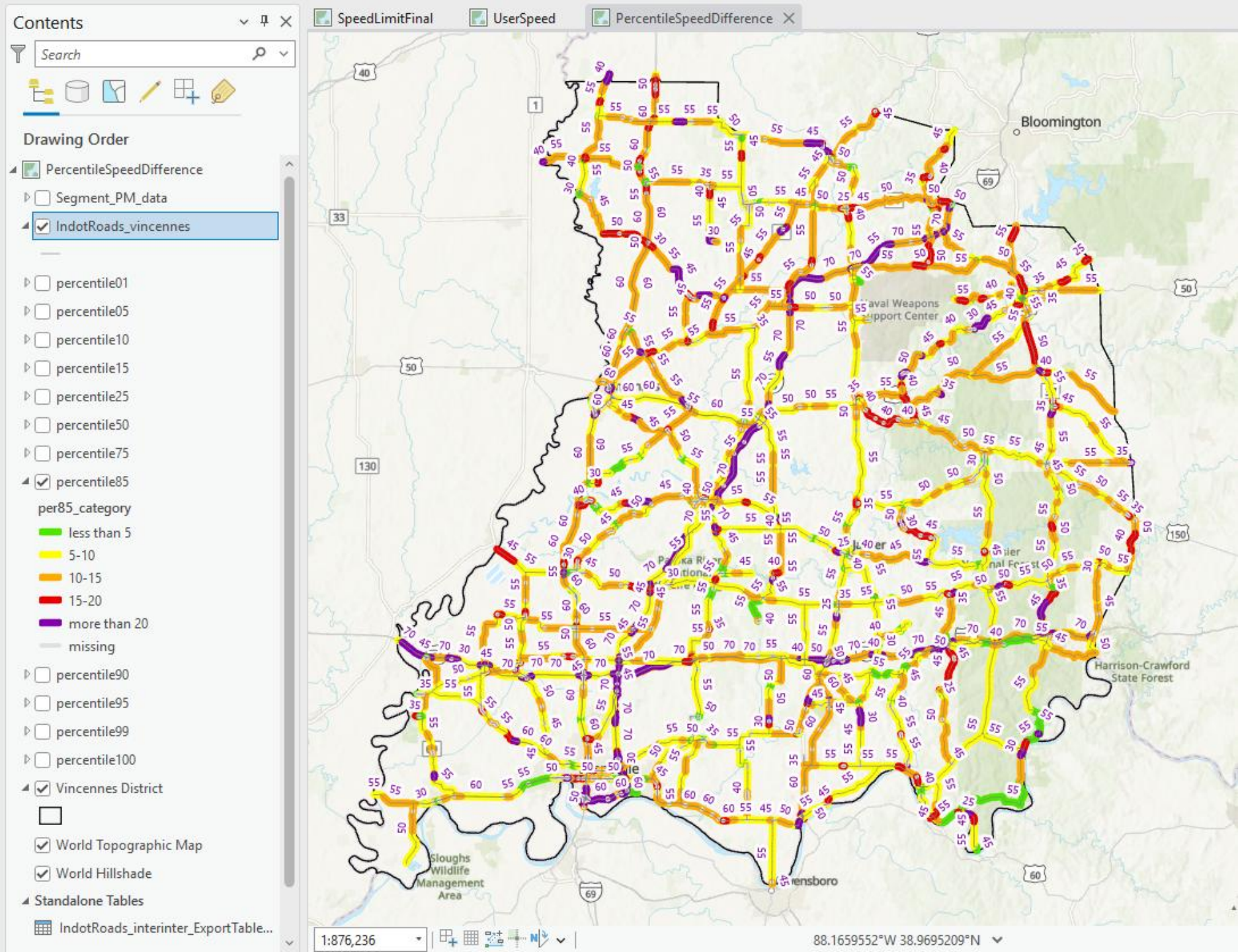
Vehicle Speed

- This map is made using the Purdue's vehicle percentile speed data
- This particular map represents the 85th percentile vehicular speed on the road



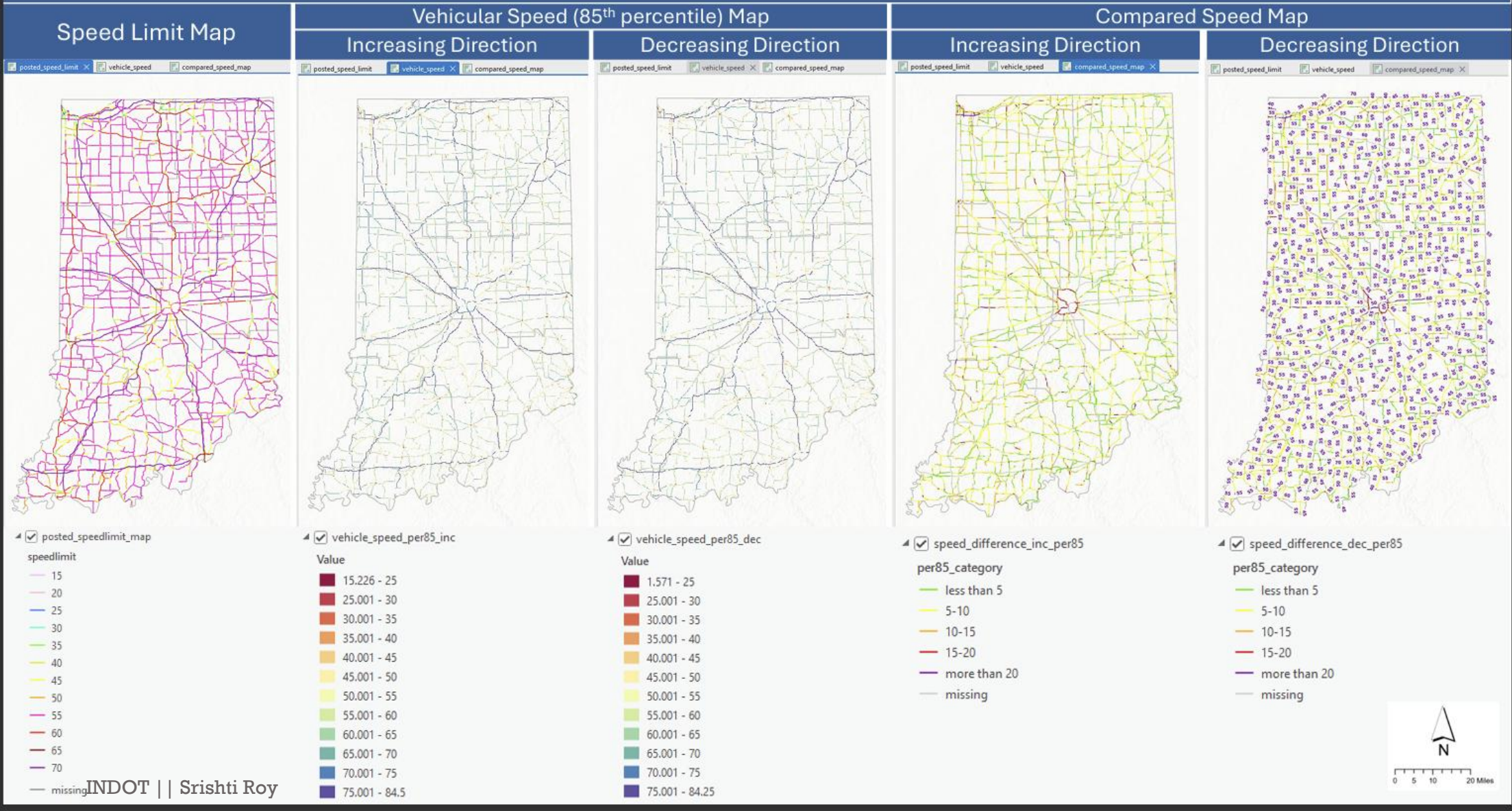
Compared Speed

- This is a compared speed map-- colored line representing the differences between the posted speed and the actual vehicle speed on that road segment and the label is the posted speed limit for that segment
- Created the same map for all percentiles



Replicated the work for the State

INDOT_State Speed Map

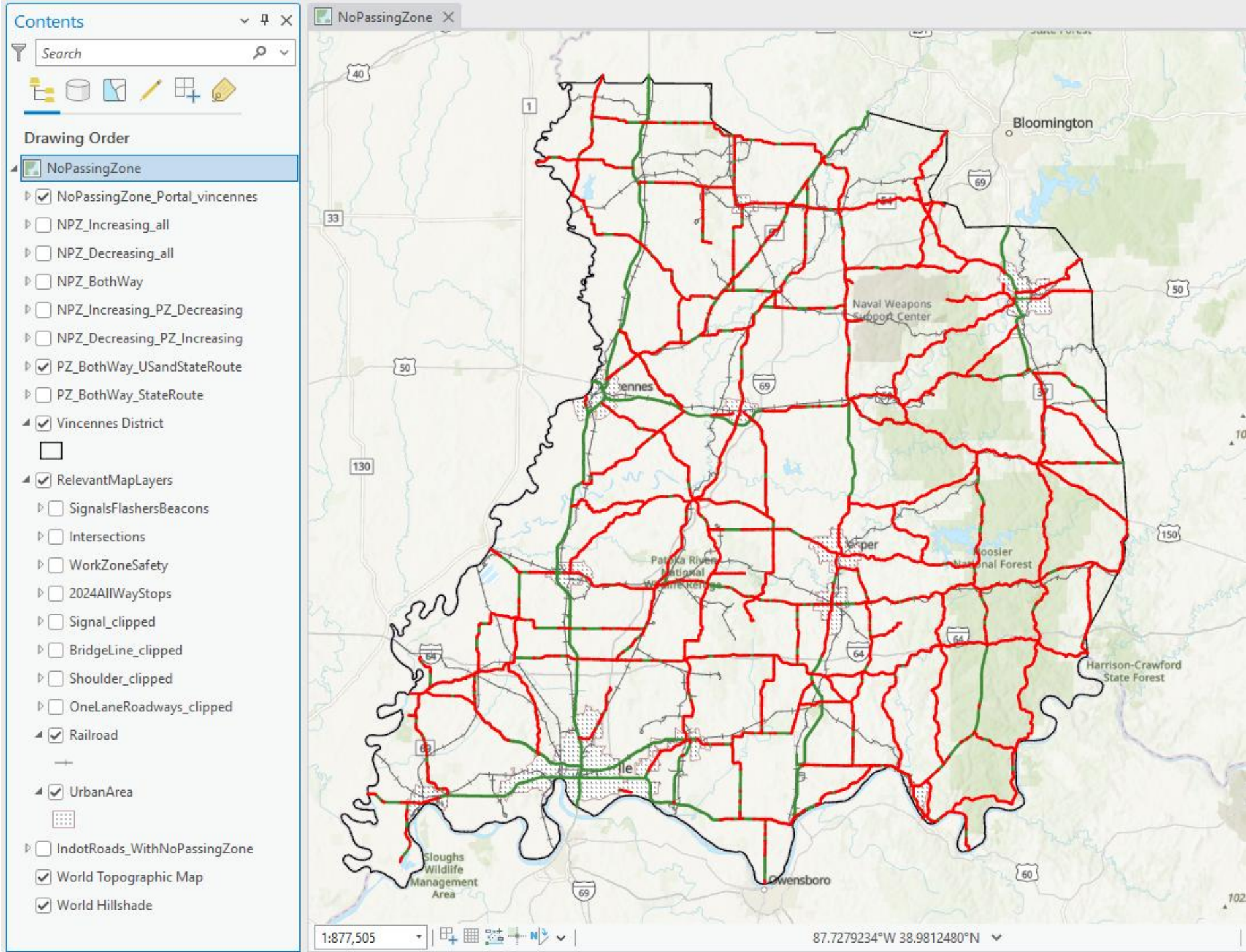


No-Passing Zone



Passing Zone

- A no-passing zone map with direction and length detailing
- Tried to add relevant map layers for further use

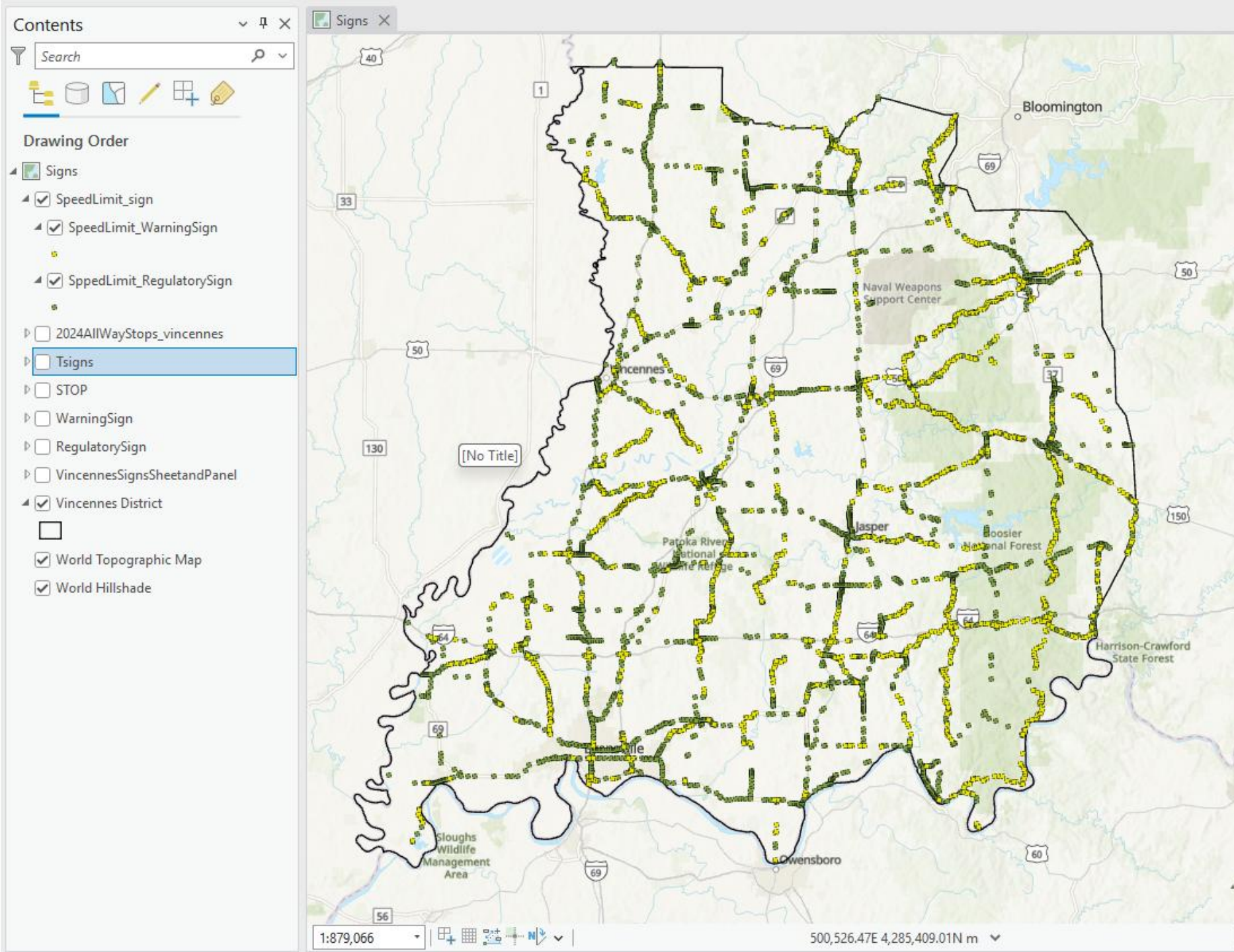


Sign Map



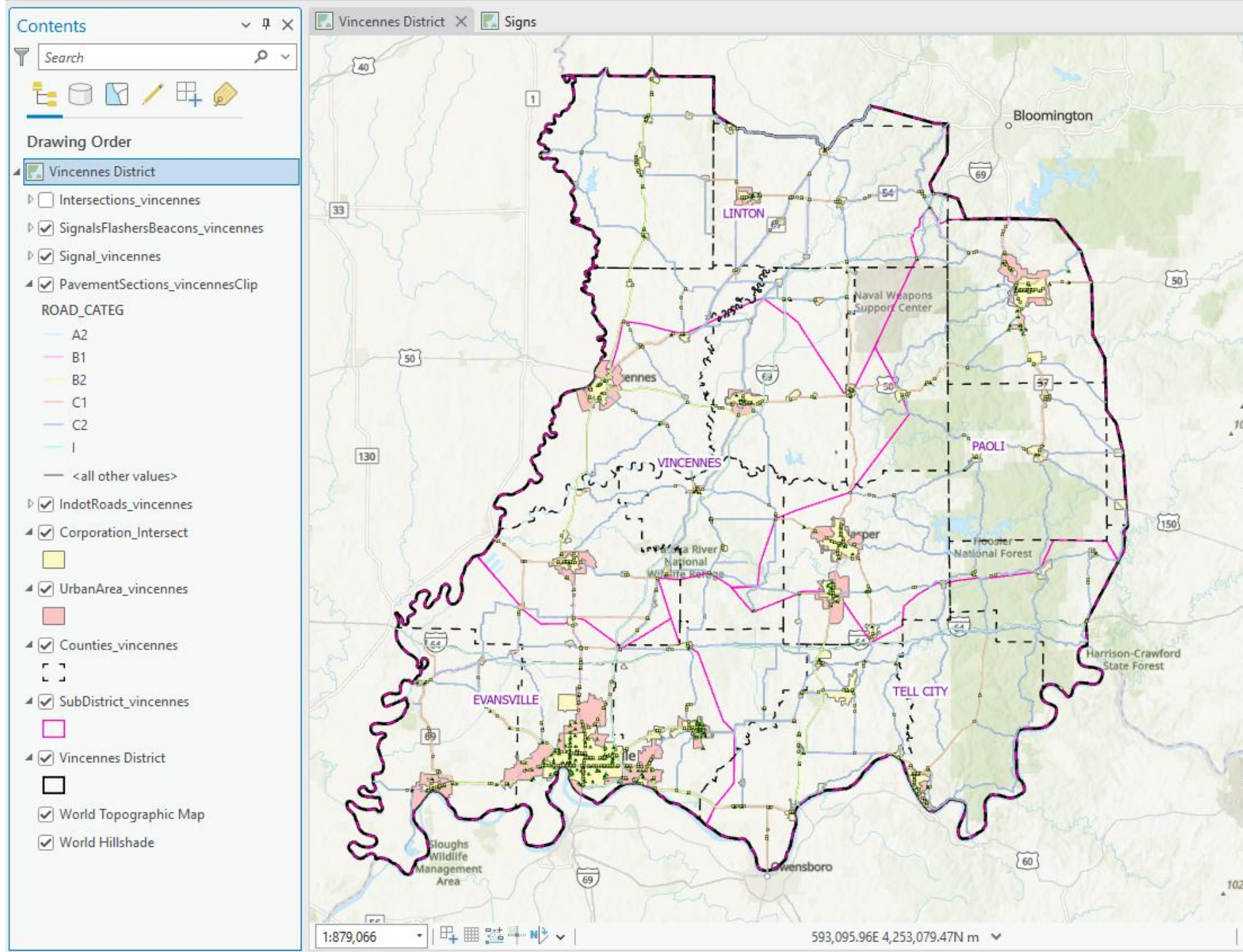
Signs

- Exported different sign layers from the sign panel sheet map



Layers

- Exported some introductory layers

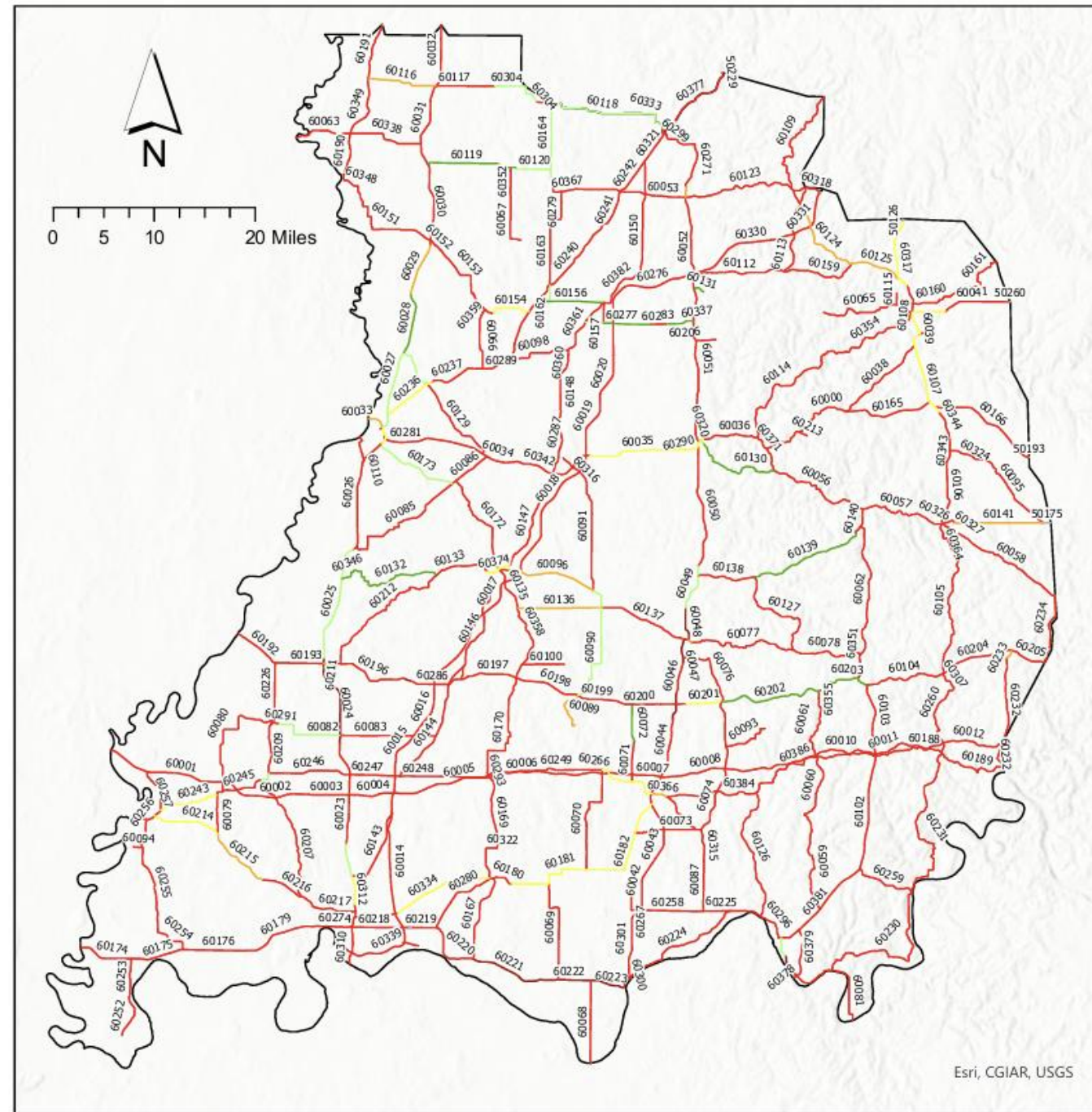


RPM Dataset



RPM

- RPM categorized by replacement year

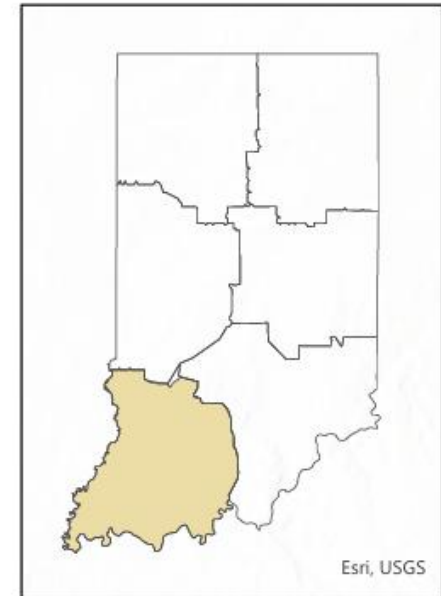


Pavement Section's RPM Replacement Due Year INDOT Vincennes District

Legend

PavementSections_edited
replacement_due

- 2024
- 2025
- 2026
- 2027
- 2028
- 2029
- missing
- Vincennes District



RPM Work Record Dataset

- A dataset for tracking the RPM (Raised Pavement Marker) contracts and work update

	A	L	R	U	V	W	X	Y	Z	AC	AD	AL	AM	AN
1	PK	# Lane	AAD	Replacement cycle (years)	Adjusted Replacement cycle (years)	Year of latest project completion	20y Project plan 1	20y Project plan 2	20y Project plan 3	20y chip seal 3rd phase plan	Planned rpm project by Date	Replacement date	Possible integration with planned projects year	Possible integrated planned projects
24	60022	4	25,274	3	6	2025					2027	2028	2027	2027 RPM Replacement
25	60023	4	23,678	3	6		2030					2025		
26	60024	4	19,159	3	6	2021					2027	2024	2027	2027 RPM Replacement
27	60025	4	11,679	3	6	2025					2027	2028	2027	2027 RPM Replacement
28	60026	4	13,676	3	6						2027	2025	2027	2027 RPM Replacement
29	60027	4	10,183	3	6	2025					2027	2028	2027	2027 RPM Replacement
30	60028	4	9,109	4	8	2025	2030				2027	2029	2027	2027 RPM Replacement
31	60029	4	8,302	4	8	2022					2027	2026	2027	2027 RPM Replacement
32	60030	4	9,801	4	8						2027	2025	2027	2027 RPM Replacement
33	60031	4	12,706	3	6						2027	2025	2027	2027 RPM Replacement
34	60032	4	15,749	3	6						2027	2025	2027	2027 RPM Replacement
35	60033	4	6,107	4	8	2022						2026		
36	60034	4	8,395	4	8						2027	2025	2027	2027 RPM Replacement
37	60035	2	7,306	3	6	2024						2027		

This is a demo dataset for presentation



Thank You!

