RIPA Stop Frequencies and Vision Zero Corridors

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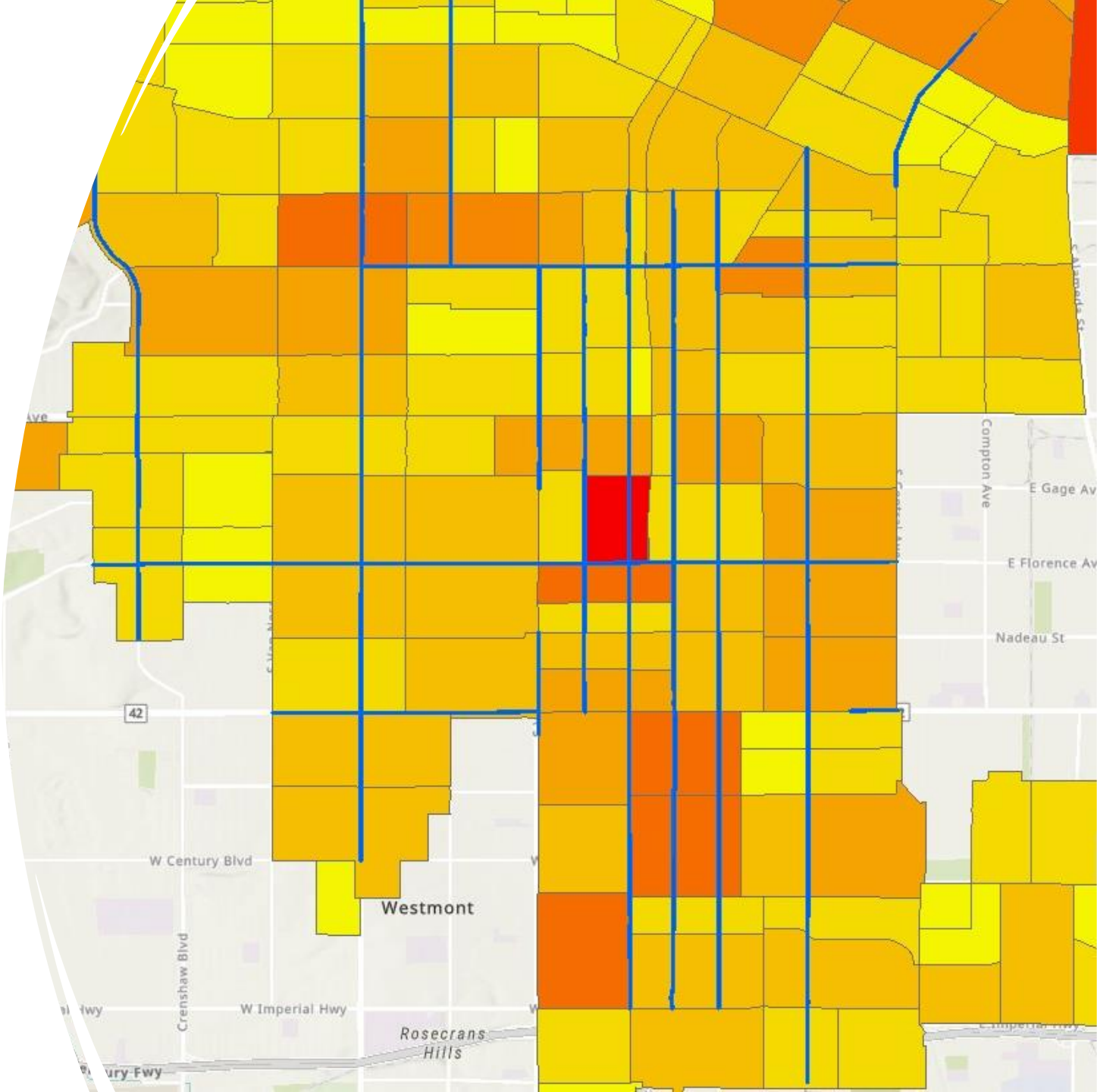
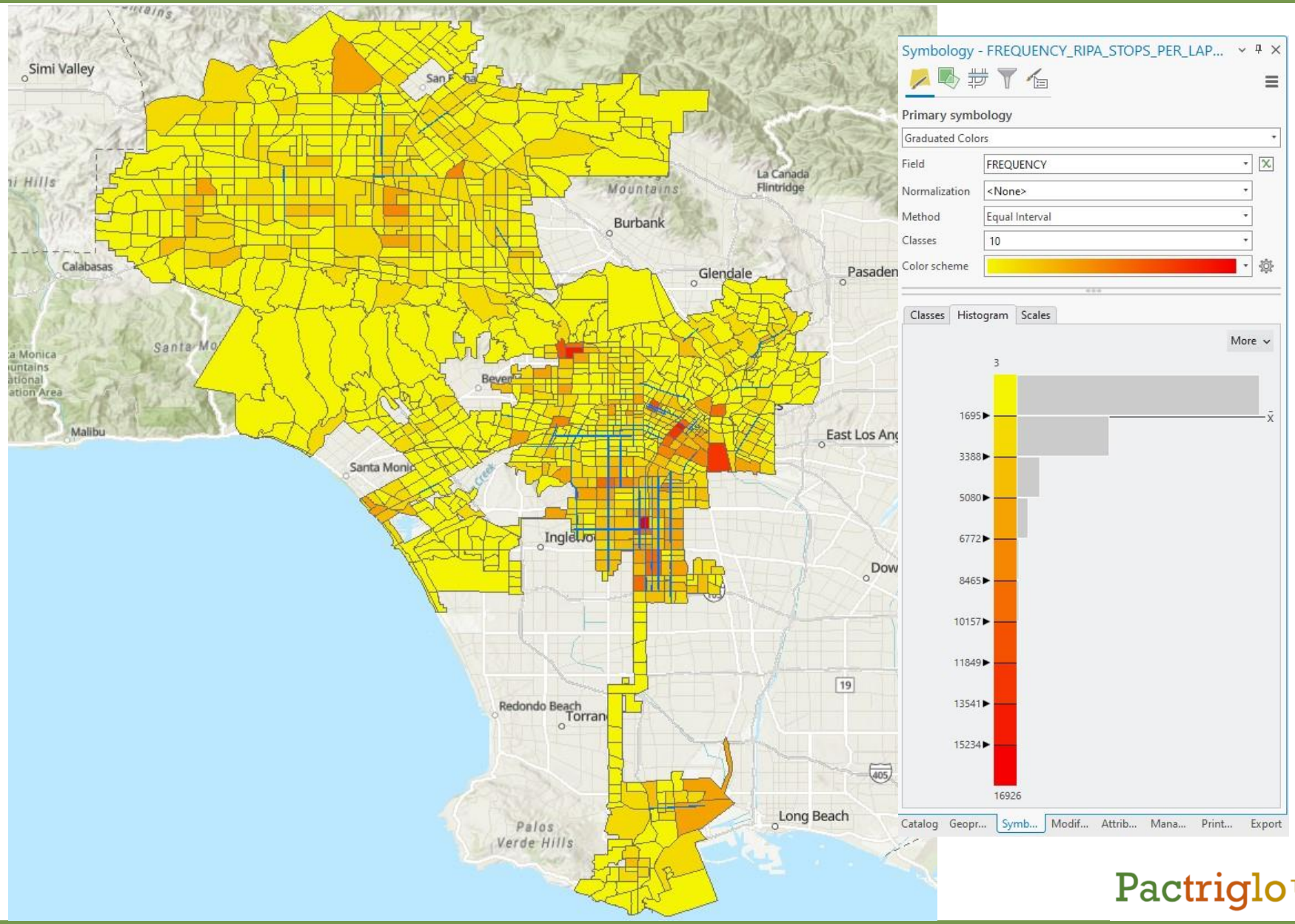


Equal Interval Distribution of Stops into 10 Classes

- VISION_ZERO_CORRIDORS
- FREQUENCY_RIPA_STOPS_PER_LAPD_RD

FREQUENCY

- 3.0 - 1700
- 1800 - 3400
- 3500 - 5100
- 5200 - 6800
- 6900 - 8500
- 8600 - 10000
- 11000 - 12000
- 13000 - 14000
- 15000 - 15000
- 16000 - 17000



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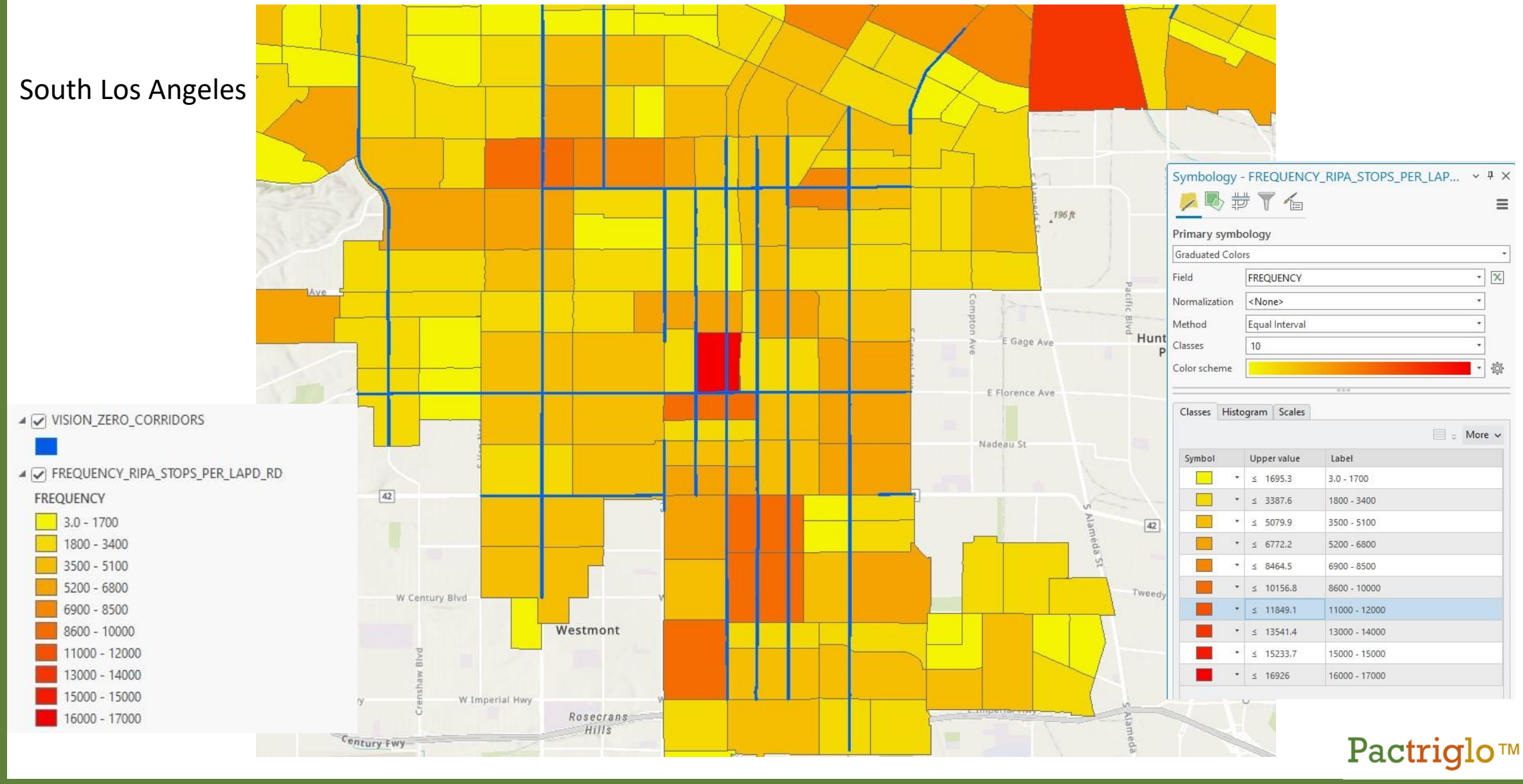
South Los Angeles



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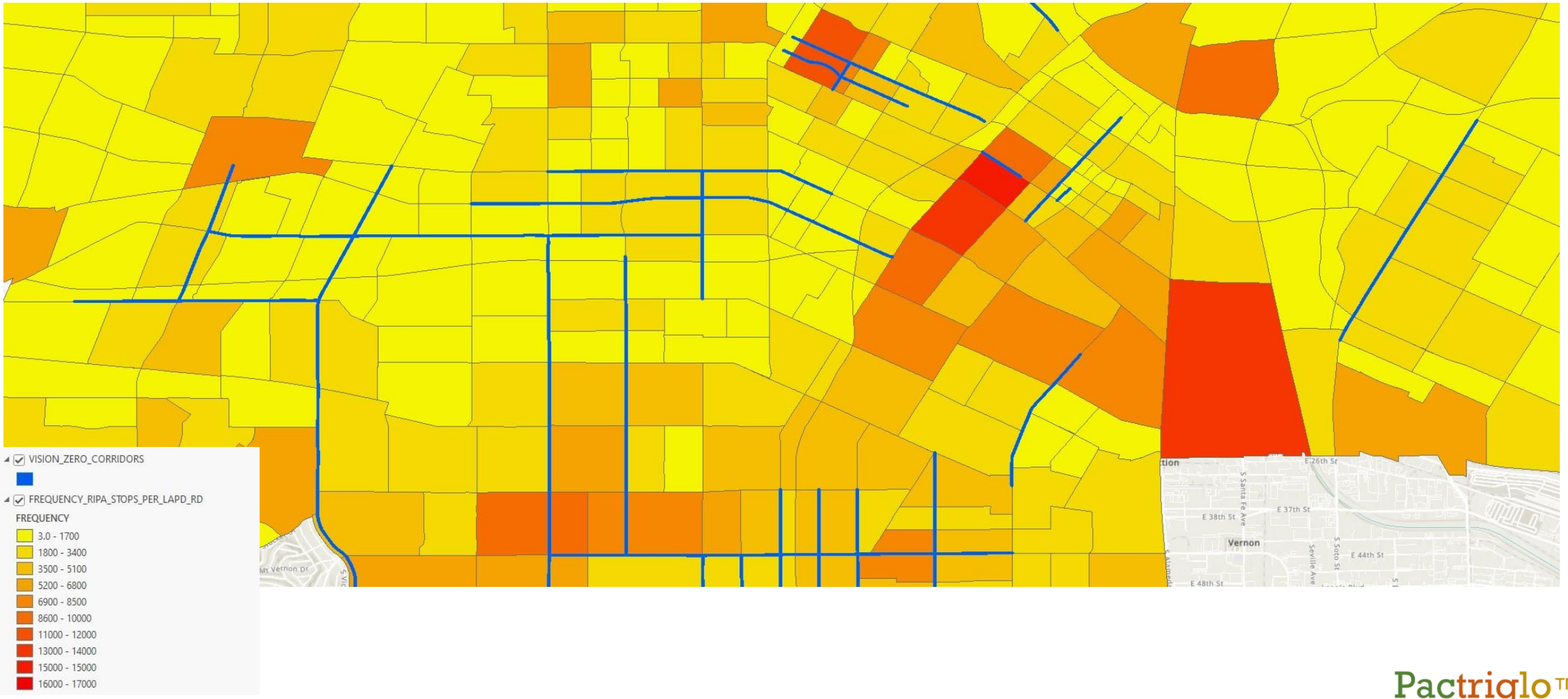
Central Los Angeles



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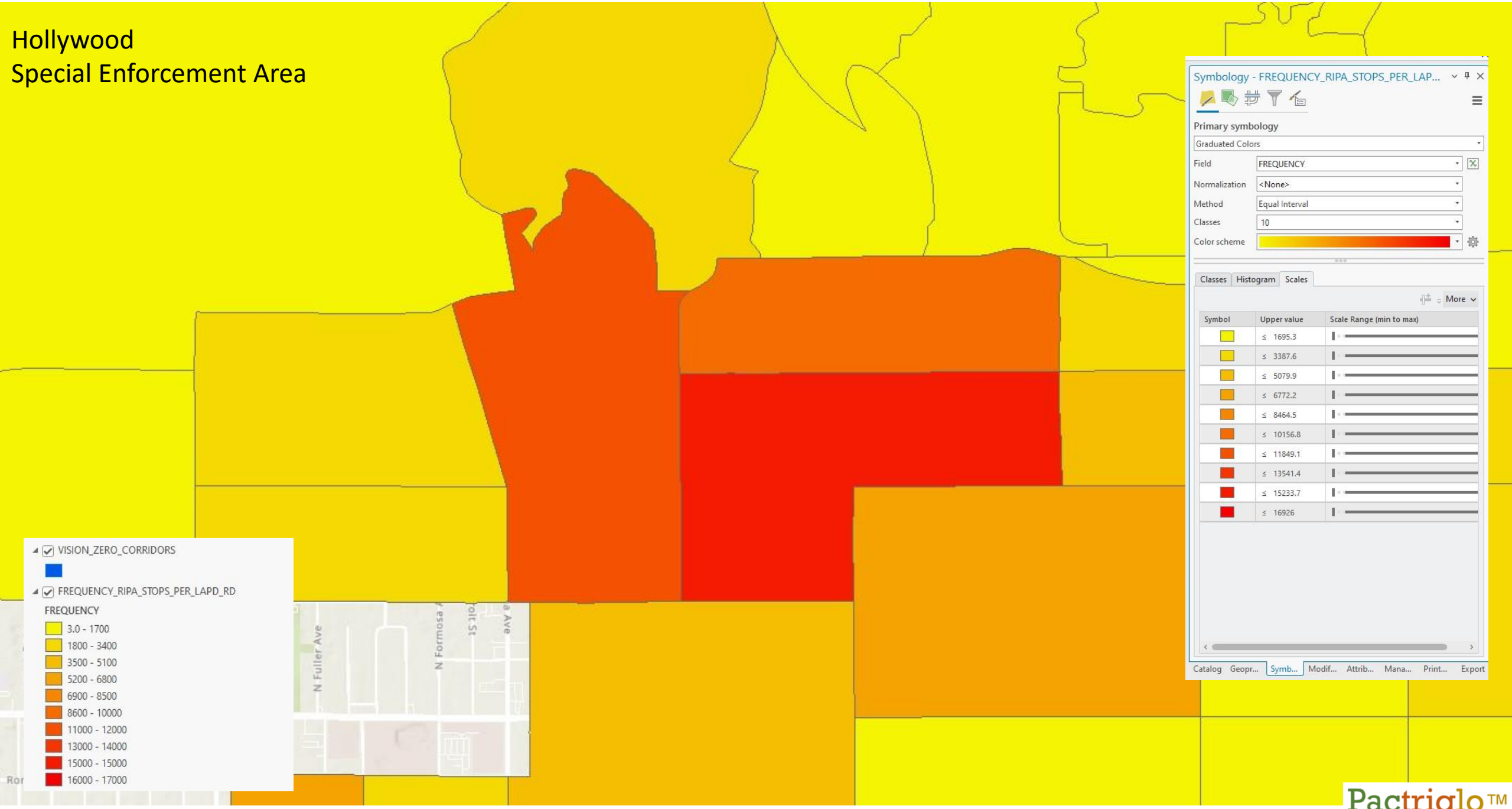
Hollywood
Special Enforcement Area



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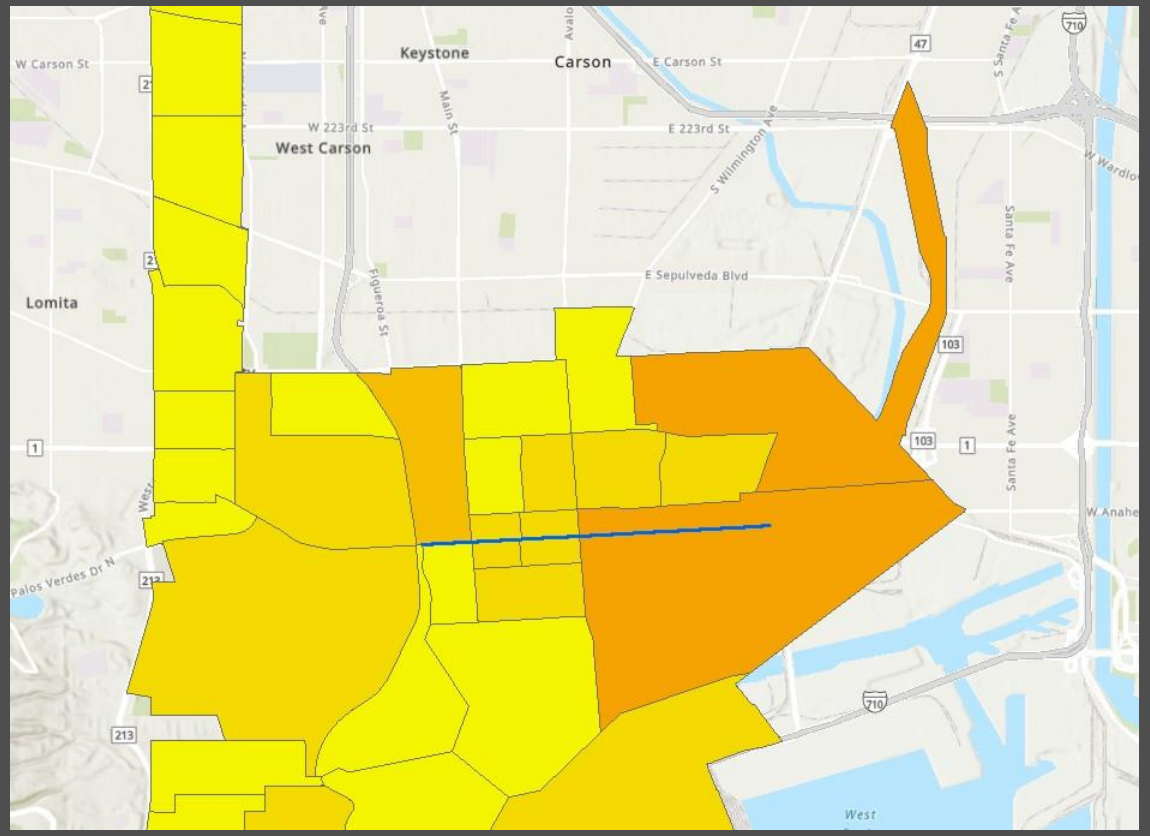
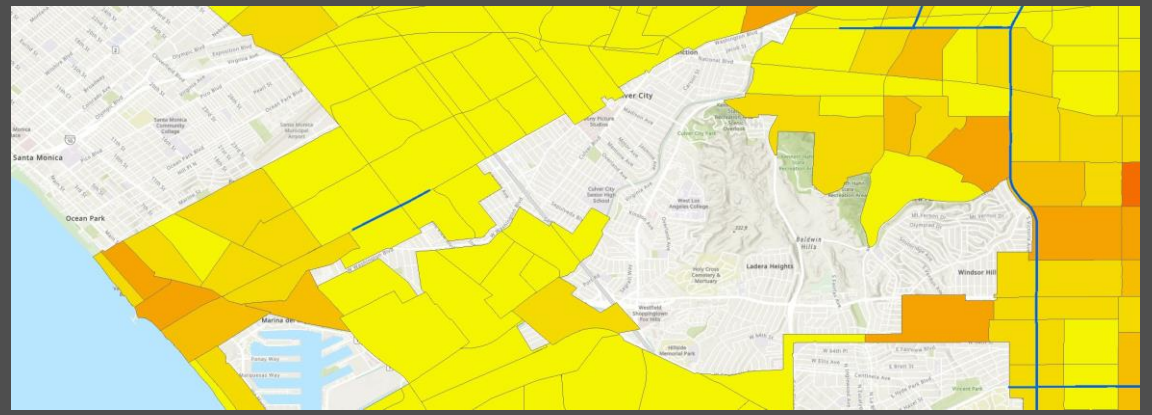
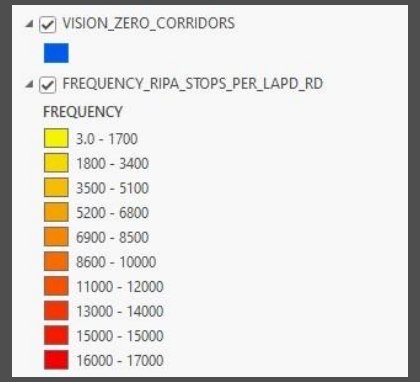
Wilmington



Venice and Crenshaw Corridor





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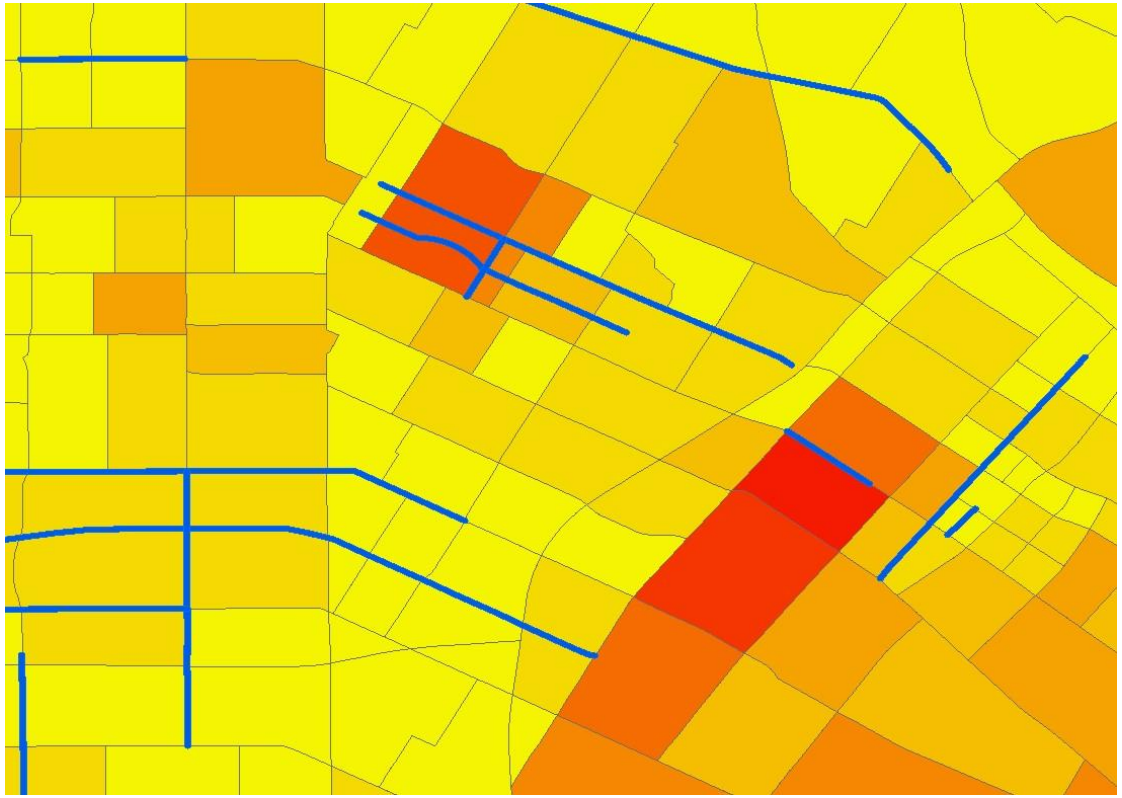
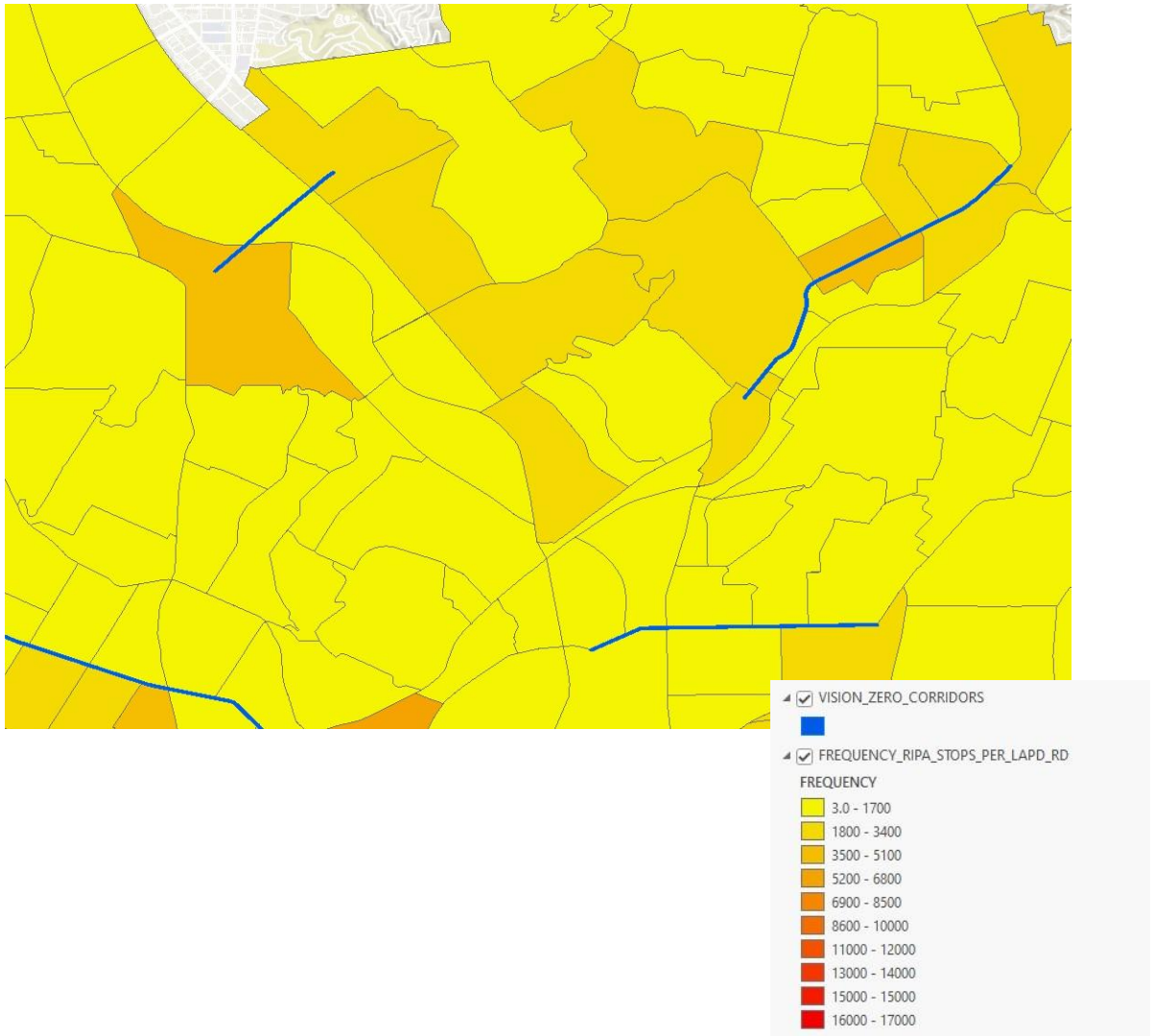
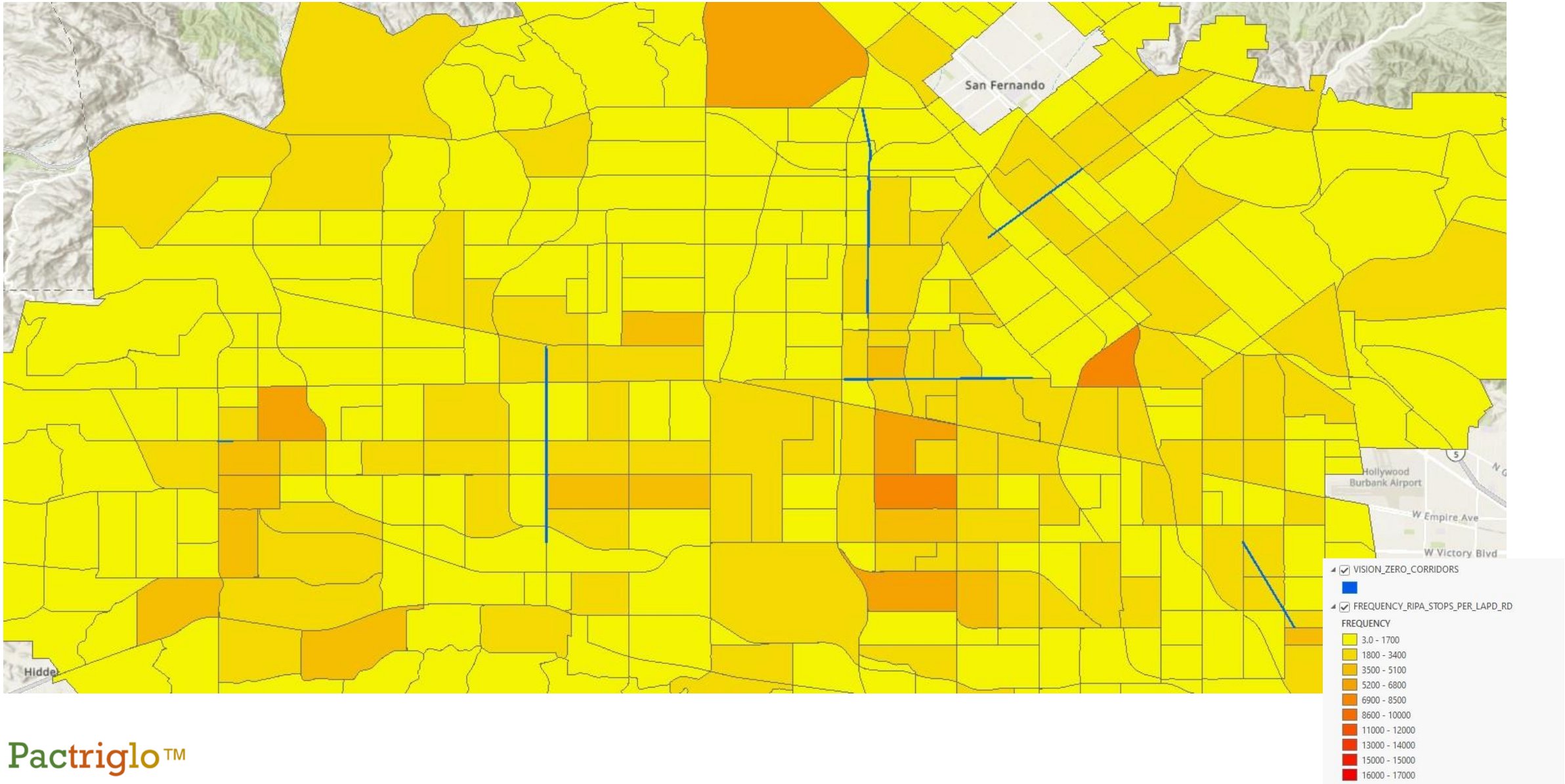
MacArthur Park and Figueroa Entertainment Corridor



Northeast Los Angeles



San Fernando Valley



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Tech Stack

ArcGIS Pro 3.0

Microsoft Excel

Windows for Workstations

HP Z440 Workstation

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Methodology

LAPD RIPA (AB 953) STOP Incident Details from 1/1/2020 to 11/2/2022

LAPD Reporting District

Vision Zero Prioritized Corridors

Using ArcGIS Pro and data engineering, processed the LAPD RIPA data into a new table based upon the number of stops per LAPD Reporting District (RD). Joined that Number of Stops (frequency) by RD to the geospatial file of the 1100+ LAPD RDs.

Then using symbology tools, color-coded each RD into one of ten equal interval classes. The geospatial file of the Vision Zero Prioritized Corridors was overlaid and given a color contrasting to the gradient used in sorting RD by number of stops. Screenshots of all the symbology setting have been included for reference and replication.

Next steps? Identify the correlation ratio between number of stops per RD and proximity to Vision Zero Prioritized Corridor using Geographically Weighted Regression and/or other geospatial analysis tools.