

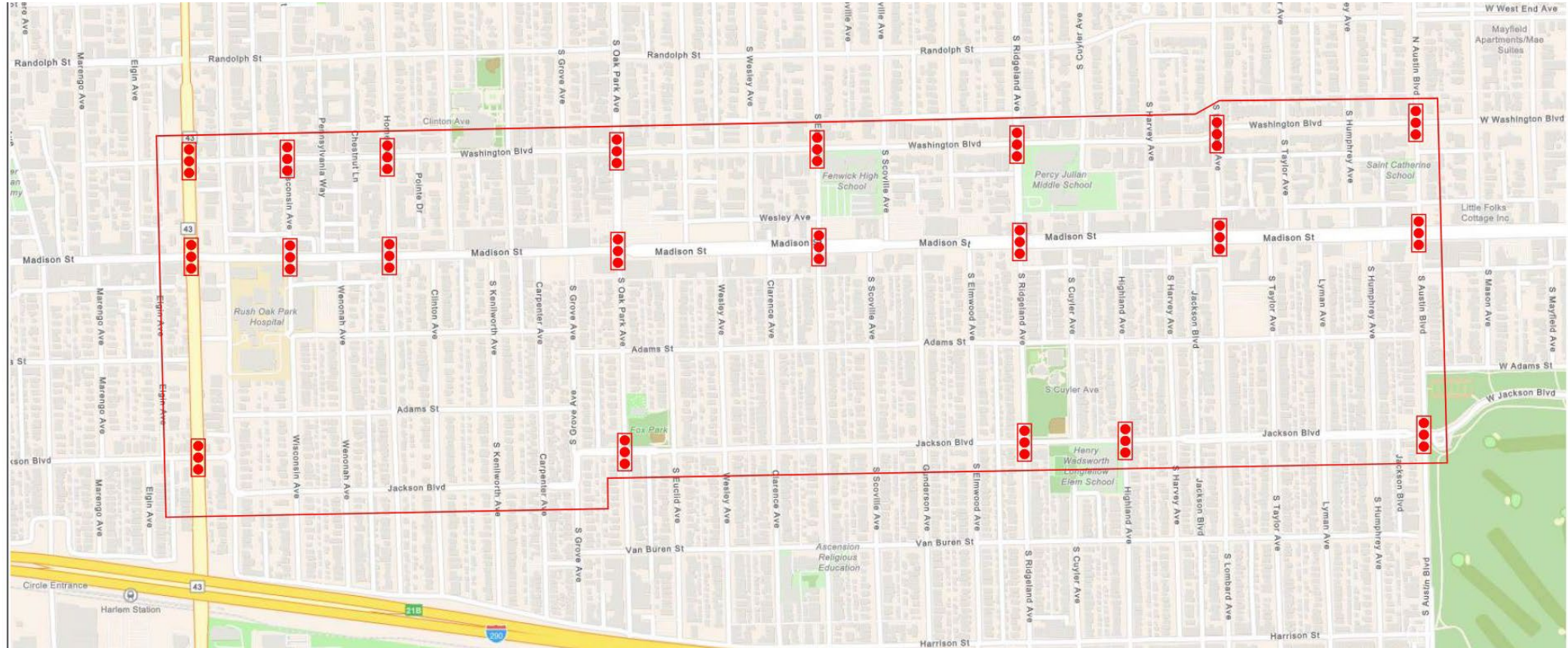


OAK PARK TRANSPORTATION COMMISSION

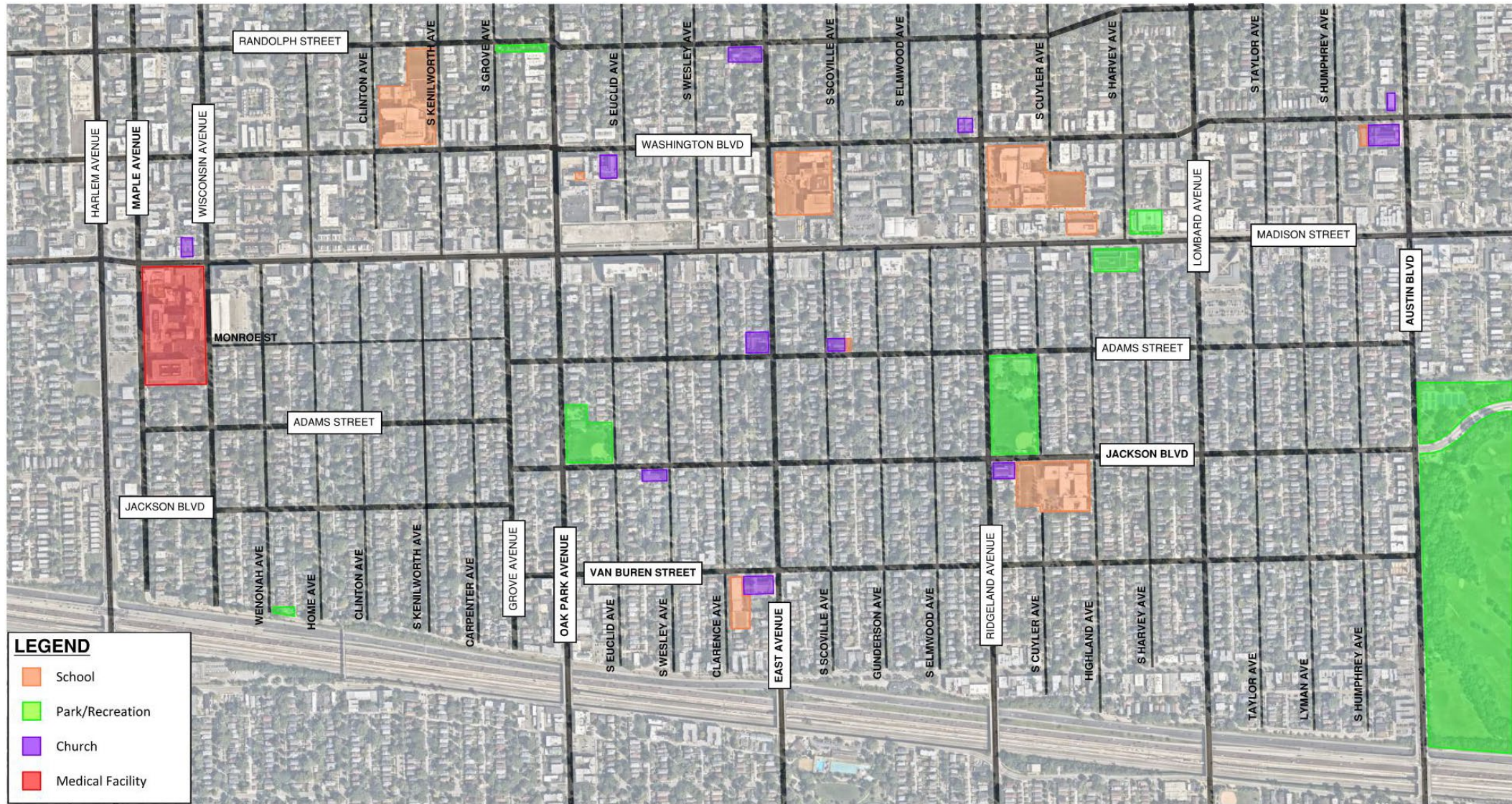
Madison Street Corridor Traffic Study



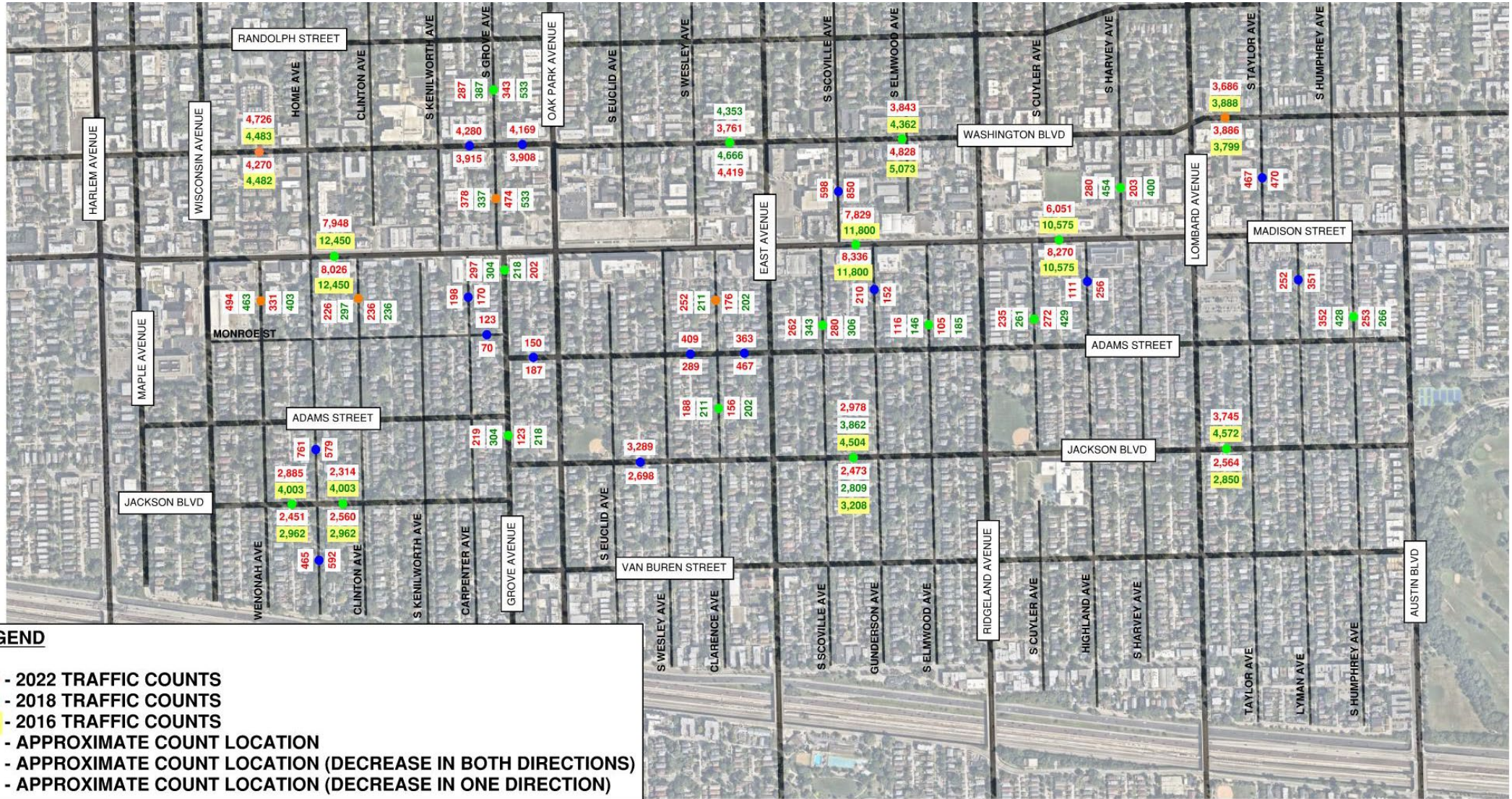
PROJECT STUDY AREA



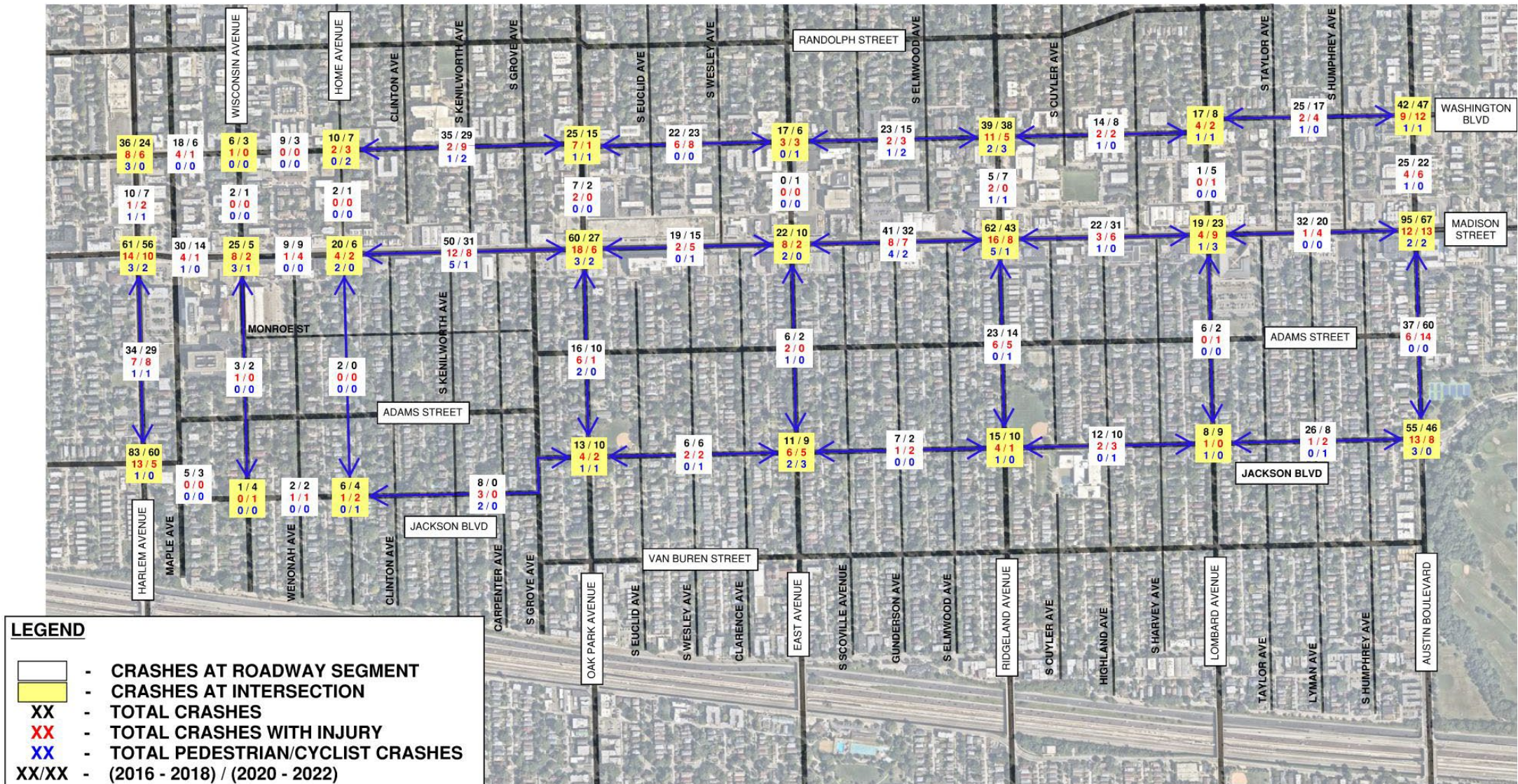
EXISTING CONTEXT



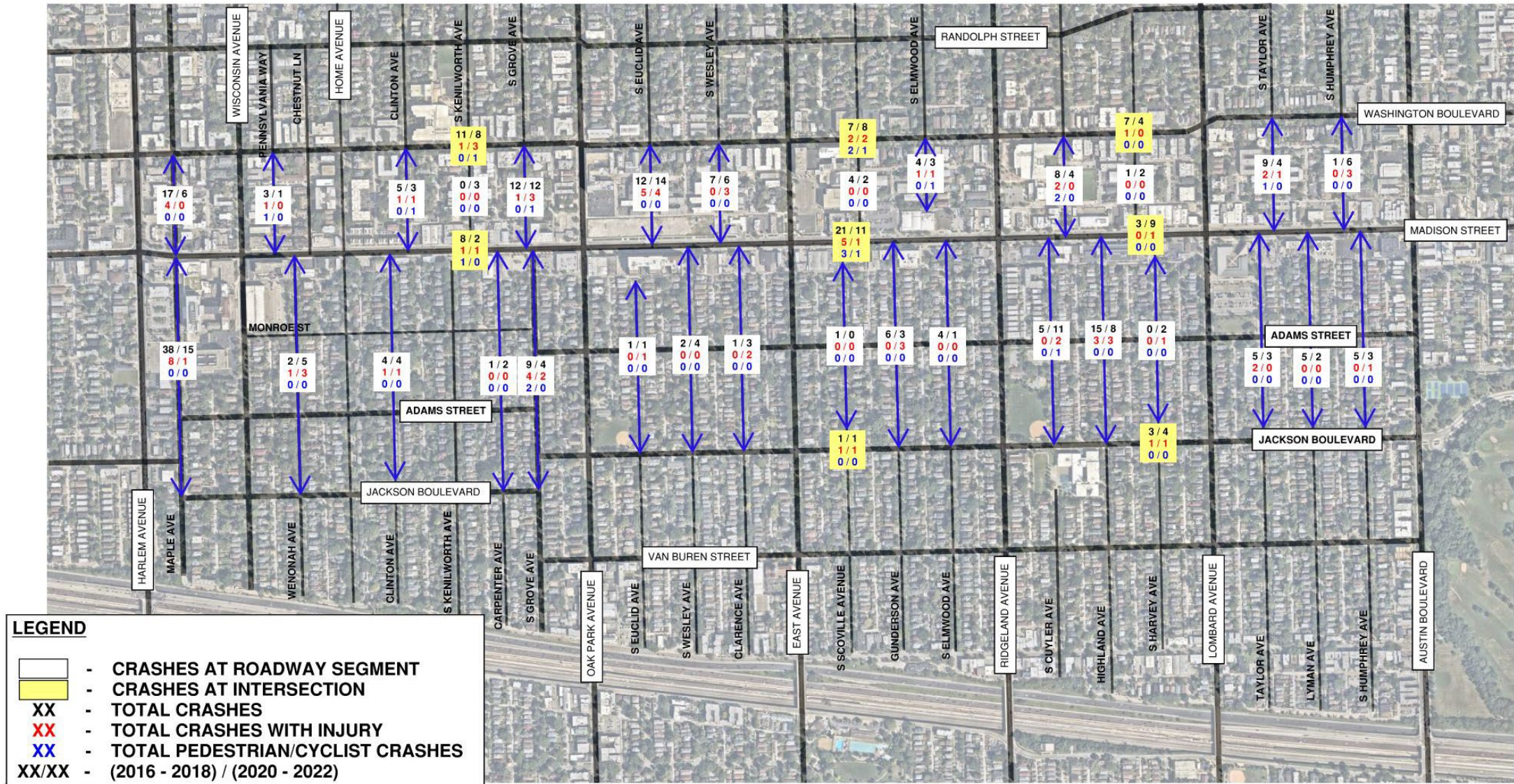
DAILY TRAFFIC VOLUME COMPARISON



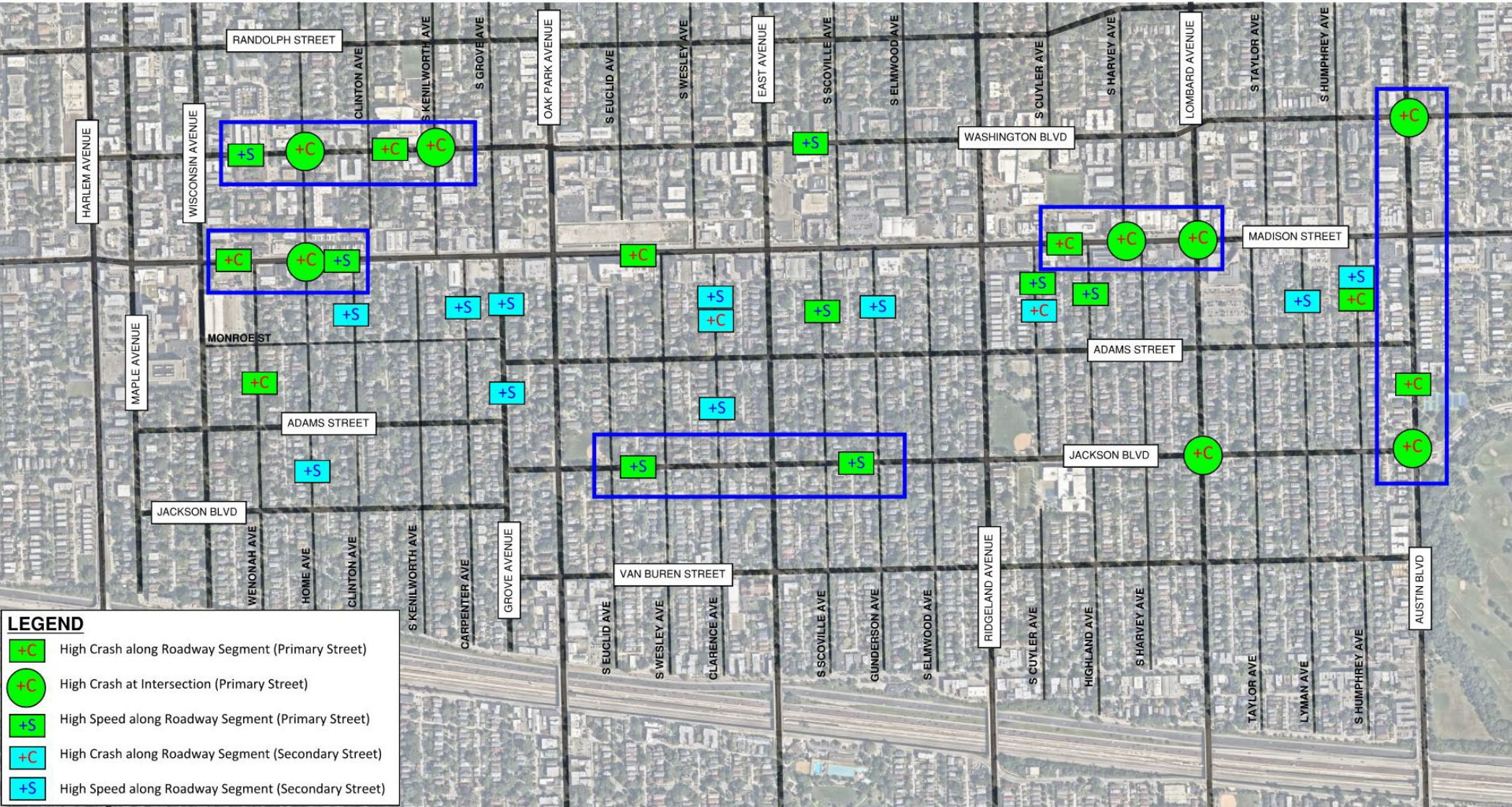
COMPARISON OF CRASH DATA - PRIMARY



COMPARISON OF CRASH DATA - SECONDARY



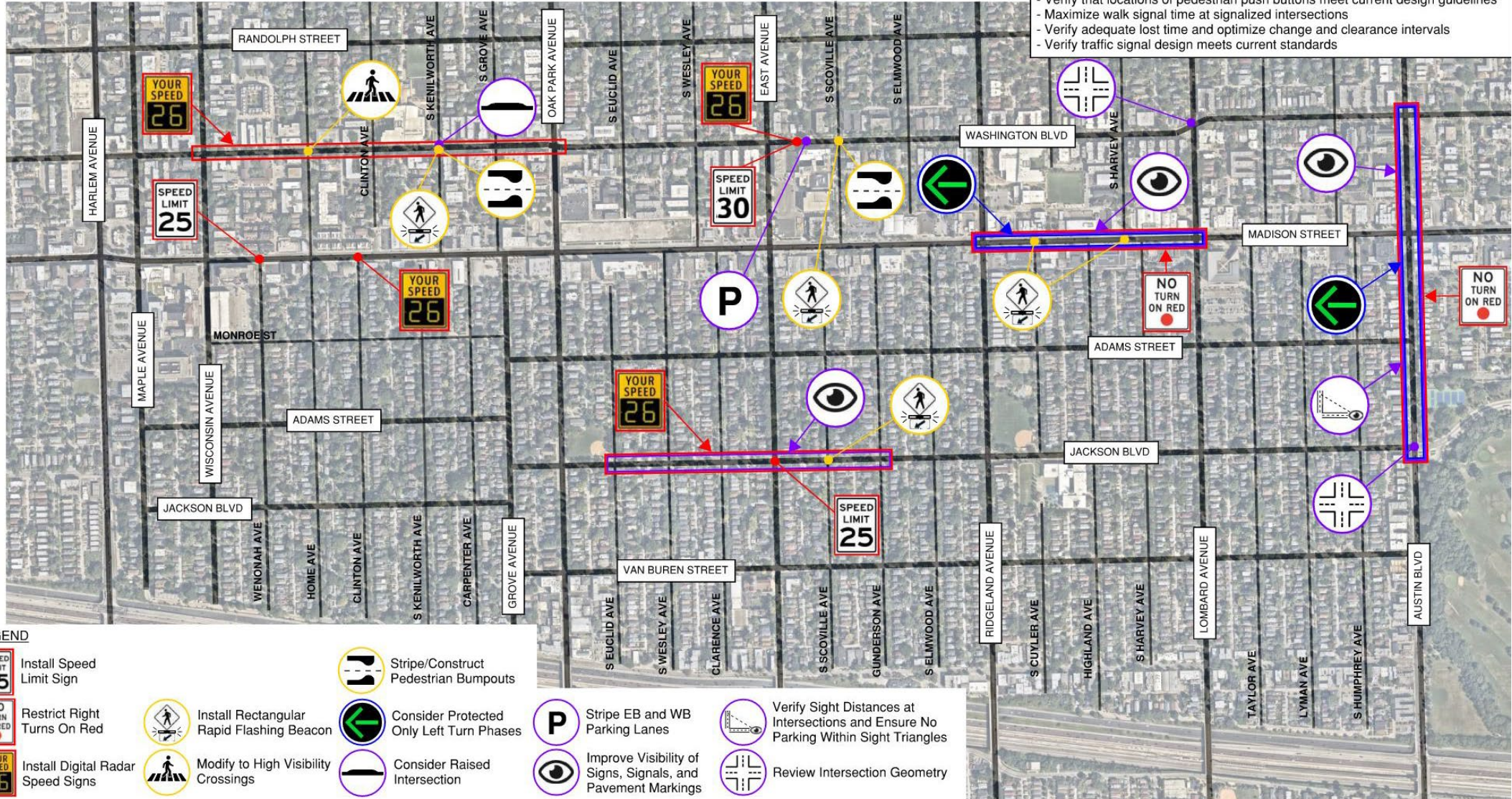
SPEED AND CRASH HOT SPOTS











POTENTIAL MITIGATION OPTIONS

General Traffic Calming Mitigation Options

- Optimize and synchronize signal timing along Madison Street corridor
- Verify adequate pedestrian crossing time at signalized intersections
- Verify that locations of pedestrian push buttons meet current design guidelines
- Maximize walk signal time at signalized intersections
- Verify adequate lost time and optimize change and clearance intervals
- Verify traffic signal design meets current standards



LEGEND

- | | | | | | |
|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  Install Speed Limit Sign |  Install Rectangular Rapid Flashing Beacon |  Stripe/Construct Pedestrian Bumpouts |  Consider Protected Only Left Turn Phases |  Stripe EB and WB Parking Lanes |  Verify Sight Distances at Intersections and Ensure No Parking Within Sight Triangles |
|  Restrict Right Turns On Red |  Modify to High Visibility Crossings |  Consider Raised Intersection |  Improve Visibility of Signs, Signals, and Pavement Markings |  Review Intersection Geometry | |



POTENTIAL MITIGATION OPTIONS - RESIDENTIAL

General Traffic Calming Mitigation Options

- Install permanent radar speed feedback sign
- Verify adequate speed limit signage
- Enforcement of speed limit



LEGEND



Install Temporary Delineators Mid-Block to Create Depiction of Narrower Roadway



Conduct Intersection Control Study to Verify Intersection Control



Verify Sight Distances at Corners



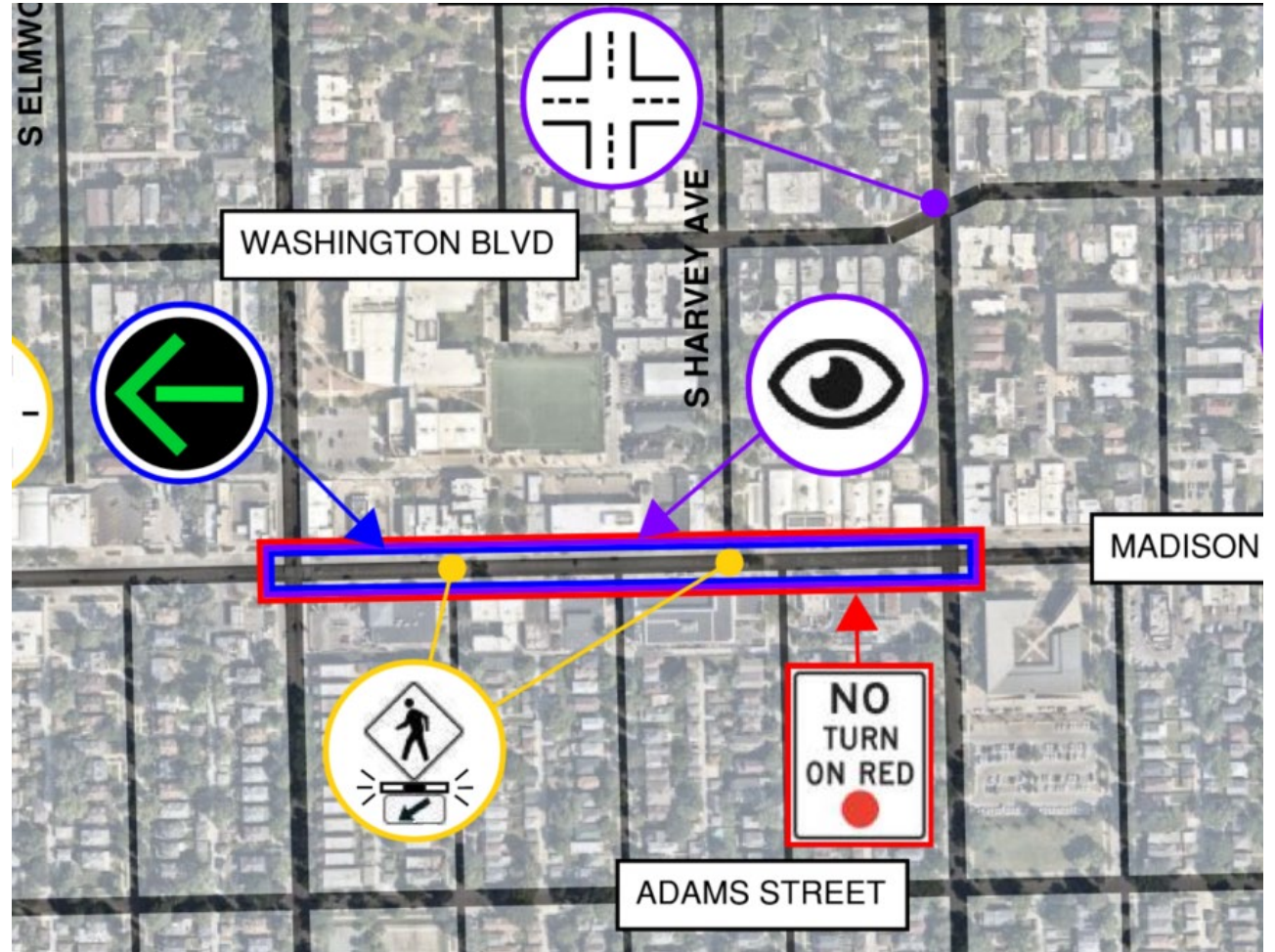
MADISON STREET WISCONSIN AVENUE TO CLINTON AVENUE

- Verify adequate pedestrian crossing time at signalized intersections
- Optimize and synchronize signal timing along Madison Street corridor
- Maximize walk signal time at signalized intersections
- Verify adequate lost time and optimize change and clearance intervals
- Modify signal timing with a leading pedestrian interval at Home Avenue intersection
- Install speed limit sign on eastbound Madison Street east of Wisconsin Avenue and/or Home Avenue
- Add signal timing plan for school peak hour with increased pedestrian clearance times
- Install permanent digital radar speed signs in both directions at Clinton Avenue



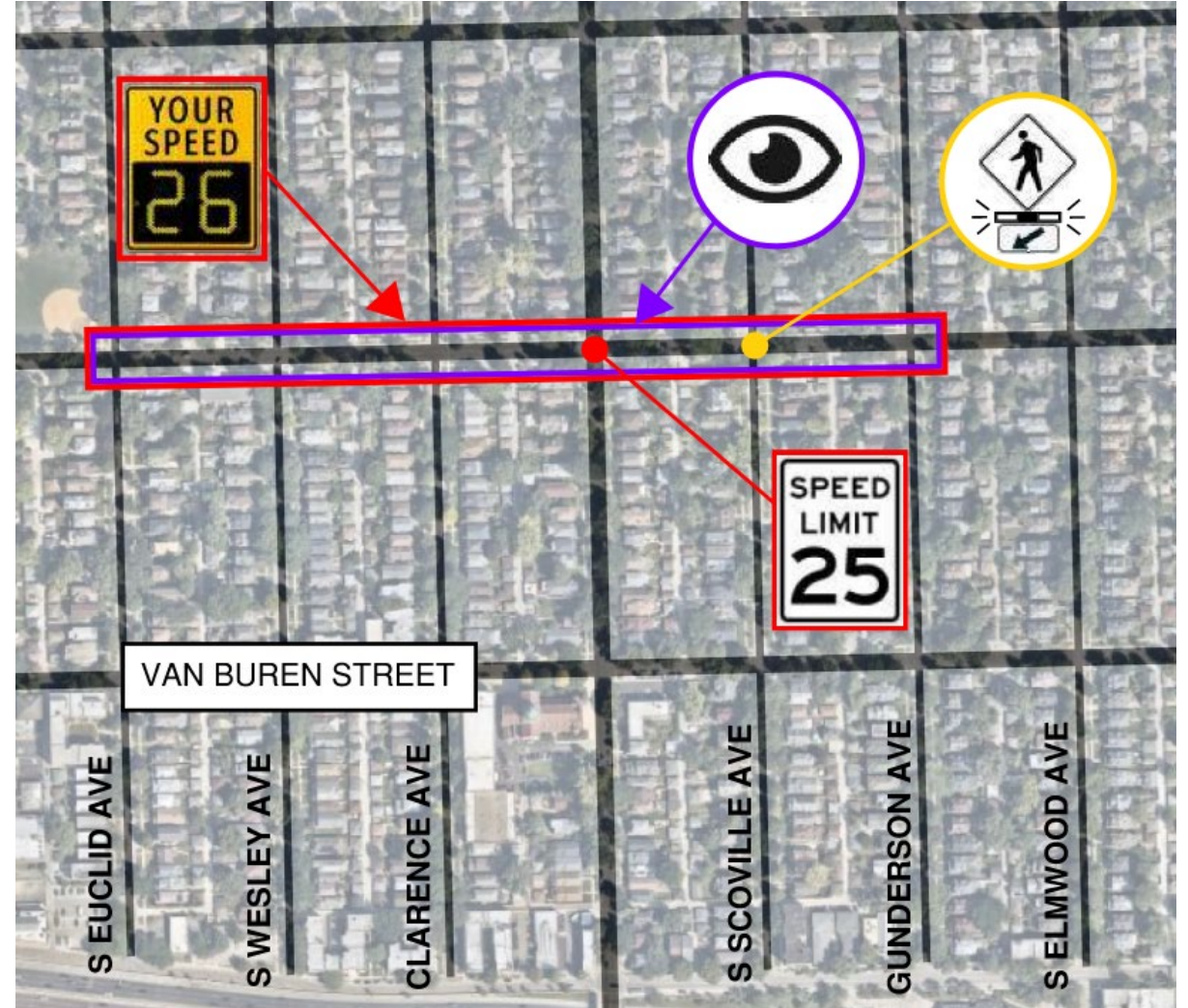
MADISON STREET RIDGELAND AVENUE TO LOMBARD AVENUE

- Verify adequate pedestrian crossing time at signalized intersections
- Optimize and synchronize signal timing along Madison Street corridor
- Maximize walk signal time at signalized intersections
- Verify adequate lost time and optimize change and clearance intervals
- Add signal timing plan for school peak hour with increased pedestrian clearance times for school crossings
- Verify traffic signal design meets current standards
- Consider replacing protected/permissive left turns with protected only left turns
- Restrict right turns on red during the commuter peak hours of 7 am to 9 am and 3 pm to 6 pm at intersections where there currently no restrictions
- Improve visibility of signals and signs
- Install rectangular rapid flashing beacon at the Madison Street/Harvey Avenue and Madison Street/Cuyler Avenue intersections



JACKSON BOULEVARD GUNDERSON AVENUE TO EUCLID AVENUE

- Install a permanent digital radar speed sign in the eastbound direction near Wesley Avenue
- Install a permanent digital radar speed sign in the westbound direction west of Gunderson Avenue
- Improve visibility of signs and pavement markings
- Install speed limit signs in both eastbound and westbound directions near East Avenue intersection
- Police enforcement of posted speed limit
- Evaluate the need for left turn bays at the intersection of East Avenue and Jackson Boulevard and consider adding bike lanes if left turn bays can be removed without significant impacts to the intersection LOS
- Consider adding westbound bike lane on north side of Jackson Boulevard from Oak Park Avenue to Wesley Avenue
- Install bike activated rectangular rapid flashing beacons for bike boulevard crossing at Scoville Avenue



AUSTIN BOULEVARD WASHINGTON BOULEVARD TO JACKSON BOULEVARD

- Improve visibility of signals and signs
- Review intersection geometry at Austin Boulevard and Jackson Boulevard
- Verify adequate lost time and optimize change and clearance intervals
- Verify adequate pedestrian crossing time at signalized intersections
- Verify traffic signal design meets current standards
- Consider installing permitted and/or protected left turn phases at three signalized intersections
- Verify sight distances at intersection and no parking within sight triangles
- Restrict right turns on red



RESIDENTIAL STREETS SOUTH OF MADISON STREET

- Install pinch points to create depiction of narrower roadway south of the east-west alley on the following residential streets: Clarence Avenue, Cuyler Avenue, Highland Avenue, Elmwood Avenue, Grove Avenue, Carpenter Avenue, Gunderson Avenue, and Lyman Avenue.
- Once these pinch points have been tested, consider making them permanent as budget allows.
- Install a permanent digital radar speed sign to illustrate speed of vehicle
- Enforcement of speed limit
- Verify adequate speed limit signage



WASHINGTON BOULEVARD WEST OF SCOVILLE AVENUE

- Stripe eastbound and westbound parking lanes
- Add speed limit signage in both directions
- Install a permanent digital radar speed sign to illustrate speed of vehicle
- Add pedestrian bump outs at intersections
- Add pedestrian and bicycle activated rectangular rapid flashing beacons at the Scoville Avenue intersection
- Work with IDOT to install school speed zone and 20 mph speed limit

