CONFLICT DENSITY ANALYSIS CHECKLIST

IF any of these apply to the street...

- No sidewalks
- OR Bicycle traffic in the traffic lane, even where marked or signed (e.g., sharrows)
- OR Sidewalks directly adjacent to moving traffic
- OR ≥ 3 °through° or °T° intersections (signalized or unsignalized), major driveways, or other crossing points per ¼ mile

THEN the street has...

- HIGH CONFLICT DENSITY
- PROCEED to the Activity Analysis.

IF the street has...

- 1-3 °through° or °T° intersections (signalized or unsignalized), major driveways, or other crossing points per ¼ mile
- AND Curbside loading/parking lane and sidewalk, or a USDG-compliant sidewalk
- AND EITHER:
  - A marked bike lane or better, if designated bike route
  - OR A full sidewalk with permissible bike use, if not a designated bike route

THEN the street has...

- MODERATE CONFLICT DENSITY
- PROCEED to the Activity Analysis.

IF the street has...

- ≥ 3 °through° or °T° intersections (signalized or unsignalized), major driveways, or other crossing points per ¼ mile
  - AND Curbside loading/parking lane and sidewalk, or a USDG-compliant sidewalk
  - AND EITHER:
    - A marked bike lane or better, if designated bike route
    - OR A full sidewalk with permissible bike use, if not a designated bike route

THEN the street has...

- LOW CONFLICT DENSITY
- PROCEED to the Activity Analysis.

Sample Conflict Density Metrics

There are many metrics that a city can use to measure a street’s conflict levels. The list below provides a starting point. Cities can set quantitative thresholds based on local conditions.

- Pedestrian crossing volume per day or hour
- Pedestrians walking in the street per hour
- Curbside loading/parking lane and sidewalk, or a USDG-compliant sidewalk
- Left turn volume per day or hour
- Midblock or uncontrolled-intersection crossings per hour per ¼ mile
- Motor vehicle lane blockage or bike-lane blockage percent per hour

RESULTS FOR: Conflict Density Analysis

Based on the conflict density analysis, the street has:

- HIGH CONFLICT DENSITY
- MODERATE CONFLICT DENSITY
- LOW CONFLICT DENSITY
- PROCEED to the Activity Analysis.