



CONFLICT DENSITY ANALYSIS CHECKLIST

START:

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 NOT, proceed...

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 NOT, proceed...

IF the street has...

No “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

Passengers exiting parked or loading vehicles are not directly in general traffic lanes

AND EITHER:

Protected bike lane, shared use path, or USDG consistent sidewalk, if designated bike route

OR

Full sidewalk with legally permissible bike use, if not designated a bike lane

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
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