Level of Traffic Stress Criteria for Road Segments, version 2.2 (May, 2022)

Bikes in mixed traffic

Number of lanes	ADT	Prevailing Speed (mph) 0 - 23.5	23.5-28.5	28.5-33.5	33.5-38.5	38.5-43.5	43.5-48.5	48.5+
Unlaned 2-way street (no centerline)	0-750	LTS 1	LTS 1	LTS 2	LTS 2	LTS 3	LTS 3	LTS 3
	751-1500	LTS 1	LTS 1	LTS 2	LTS 3	LTS 3	LTS 3	LTS 3
	1501-3000	LTS 2	LTS 2	LTS 2	LTS 3	LTS 3	LTS 4	LTS 4
	3001+	LTS 2	LTS 2	LTS 3	LTS 3	LTS 4	LTS 4	LTS 4
2-way with 1 lane per direction and centerline, or wide* 1-way, 1-lane	0-1000	LTS 1	LTS 1	LTS 2	LTS 2	LTS 3	LTS 3	LTS 3
	1001-1500	LTS 2	LTS 2	LTS 2	LTS 3	LTS 3	LTS 4	LTS 4
	1501+	LTS 2	LTS 3	LTS 3	LTS 3	LTS 4	LTS 4	LTS 4
Narrow* one-way, 1-lane	0-600	LTS 1	LTS 1	LTS 2	LTS 2	LTS 3	LTS 3	LTS 3
	601-1000	LTS 2	LTS 2	LTS 2	LTS 3	LTS 3	LTS 4	LTS 4
	1001+	LTS 2	LTS 3	LTS 3	LTS 3	LTS 4	LTS 4	LTS 4
2 thru lanes per direction	0-8000	LTS 3	LTS 3	LTS 3	LTS 3	LTS 4	LTS 4	LTS 4
	8001+	LTS 3	LTS 3	LTS 4	LTS 4	LTS 4	LTS 4	LTS 4
3+ thru lanes per direction	any ADT	LTS 3	LTS 3	LTS 4	LTS 4	LTS 4	LTS 4	LTS 4

Notes * A one-way street is "narrow" if its width is less than 30 ft with parking on both sides, less than 22 ft with parking on one side, or less than 15 ft with no parking. Otherwise, it is "wide."

Conventional bike lanes, advisory bike lanes, and shoulders not adjacent to a parking lane

Number of lanes	Bike lane width	Prevailing Speed (mph) 0-28.5	28.5-33.5	33.5-38.5	38.5-43.5	43.5-48.5	48.5+
1 thru lane per direction or contraflow lane	6+ ft	LTS 1	LTS 1	LTS 2	LTS 3	LTS 3	LTS 3
	less than 6 ft	LTS 2	LTS 2	LTS 2	LTS 3	LTS 3	LTS 4
2 thru lanes per direction	6+ ft	LTS 2	LTS 2	LTS 2	LTS 3	LTS 3	LTS 3
	less than 6 ft	LTS 2	LTS 2	LTS 2	LTS 3	LTS 4	LTS 4
3+ lanes per direction	any width	LTS 3	LTS 3	LTS 3	LTS 4	LTS 4	LTS 4

Notes
1. If bike lane is frequently blocked (as may be the case in commercial areas), or if parking is allowed in an advisory lane, use mixed traffic criteria.
2. Minimum bike lane width is 4 ft next to a curb and 3.5 ft next to a road edge or discontinuous gutter seam. For narrower bike lanes, use Mixed Traffic criteria.
3. Bike lane width includes any marked buffer next to the bike lane; also, add 2 ft if road has one thru lane per direction and a central two-way turn lane.
4. Use mixed traffic criteria if it would result in lower LTS.

Conventional bike lanes and advisory bike lanes alongside a parking lane

Number of lanes	Bike lane reach = bike + parking lane width	Prevailing Speed (mph) 0-28.5	28.5-33.5	33.5-38.5	38.5+
1 thru lane per direction or contraflow lane	15+ ft	LTS 1	LTS 2	LTS 2	LTS 3
	<15 ft	LTS 2	LTS 2	LTS 3	LTS 3
1-way multilane	15+ ft	LTS 2	LTS 3	LTS 3	LTS 3
	<15 ft	LTS 3	LTS 3	LTS 3	LTS 3
2-way, 2 lanes per direction	15+ ft	LTS 2	LTS 3	LTS 3	LTS 3
	<15 ft	LTS 3	LTS 3	LTS 3	LTS 3
other 2-way multilane	any	LTS 3	LTS 3	LTS 3	LTS 3

Notes
1. If bike lane is frequently blocked (as may be the case in commercial areas), use mixed traffic criteria.
2. Minimum bike lane reach is 12 ft. For narrower reach, use Mixed Traffic criteria.
3. Bike lane reach includes any marked buffer next to the bike lane; also, add 2 ft if road has one thru lane per direction and a central two-way turn lane.
4. Use mixed traffic criteria if it would result in lower LTS.