

Curb Ramp Analysis

1. Is there a curb ramp?
2. Is there a curb ramp where a sidewalk crosses a street? (R207)
3. What type of curb ramp? (R303.2)
 - a. Perpendicular curb ramp
 - b. Parallel curb ramp
 - c. Blended transitions
4. Is the width of the curb ramp at least 4' width (excluding flares)? (R303.3.1)
5. Is there a detectable warnings complying with regulations provided where a curb ramp or blended transition connects to a street? (R303.3.2 & R304)
6. Is the running slope greater than 5% but less than 8.3%? (R303.2.1.1 & R303.2.2.1)
 - a. Blended transition 5% maximum (R303.2.3)
7. Is the cross slope less than 2%? (R303.2.1.2 & R303.2.2.2)
8. Is the landing a minimum of 4' x 4'? (R303.2.1.3 & R303.2.2.3)
9. Is the surface of the curb ramp or blended transition firm, stable and slip resistant and clear of gratings, access covers, and other appurtenances? (R303.3.3)
10. Is the grade break at the top and bottom of the ramp flush and is not located on the surface of the curb ramp, landing or gutter areas? (R303.3.4)
11. Is the counter slope of the gutter or street at the foot of the curb ramp less than 5%? (R303.3.5)
12. Is the clear space beyond the curb face at least 4' x 4'? (R303.3.6)
13. If the curb ramp is a perpendicular curb ramp, is the flared sides slope less than 10% where a pedestrian path crosses the curb ramp or if the sides are returned, are they protected from cross travel? (R303.2.1.4)

Curb Ramp Priority Matrix		
Priority	Point Value	Identified Issue
1A	4	An existing curb ramp's running slope is greater than 12%.
1B	4	No curb ramp where a sidewalk or pedestrian path exists and crosses a curb.
2A	3	An existing curb ramp's running slope is greater than 8.33% or less than 5%.
2B	3	An existing curb ramp with a width less than 4'.
3A	2	An existing curb ramp with a landing is less than 4'x4' or a clear space at the bottom of the ramp that is less than 4'x4'.
3B	2	An existing curb ramp with a cross slope greater than 2% or a gutter slope greater than 5%.
4A	1	An existing curb ramp with grade breaks that are not flush or do not have properly installed detectable warnings.
4B	1	An existing curb ramp with sides that do not meet standards or without a stable, firm and slip resistant surface or with an obstacle in the path.

Sidewalk Analysis

1. Is there a sidewalk at each corner? (R204)
2. Is there at least 4' of continuous and unobstructed clear width of a sidewalk (excluding the curb width)? (R301.3.1)
3. If the continuous width is less than 5', are the passing spaces at least every 200' that are 5' wide or greater? (R301.3.2)
4. Is the cross slope of the sidewalk less than 2%? (R301.4.1)
5. Where the sidewalk is adjacent to the street, does the grade of the sidewalk not exceed the general grade of the street? (R301.4.3)
6. Is the surface of the sidewalk firm, stable, and slip resistant? (R301.5.1)
7. Are any gaps in the surface less than 0.50"? (R301.5.2)
8. Is the sidewalk clear of grates or if there is a grate, are the openings no more than 0.5" wide and elongated openings running perpendicular to the direction of travel? (R301.7.1)
9. Is the sidewalk clear of protruding objects? If there is a protruding object does (R401)
 - a. the leading edge of that object less than 27" and more than 80" above the ground, or
 - b. protrudes less than 4" into the travel path of the sidewalk, or
 - c. a barrier is provided no more than 27" from the ground where the vertical clearance is less than 80".

Sidewalk Priority Matrix		
Priority	Point Value	Identified Issue
1	4	No sidewalk to continue an accessible route across a curb.
2A	3	An existing sidewalk's running slope is greater than the general grade of the street.
2B	3	An existing sidewalk with a continuous clear width less than 4'.
2C	3	An existing sidewalk with obstructions in the clear path.
3B	2	An existing sidewalk without a 5' passing zones at least every 200'.
3C	2	An existing sidewalk with a cross slope greater than 2%.
4A	1	An existing sidewalk with vertical or horizontal gaps.
4B	1	An existing sidewalk with grate openings in the direction of travel and greater than 0.5" wide.
4C	1	An existing sidewalk without stable, firm and slip resistant surfaces.

Crosswalk Analysis

1. Is there crosswalk that connects two sidewalks across a street? (R206 & R305.2)
2. Is the width of the marked crosswalk at least 6'? (R305.2.1)
3. Does the cross slope of the crosswalk meet the guidelines?
 - a. If the crosswalk is crossing a street with a stop control, is the cross slope less than 2%? (R305.2.2.1)
 - b. If the crosswalk is crossing a street without a stop control, is the cross slope less than 5%? (R305.2.2.2)
4. Is the running slope of the crosswalk less than 5%? (R305.2.3)
5. If the crosswalk crosses a median, is the length of the median at least 6' and has detectable warnings located at curb line or edge of the roadway? (R305.4)
6. Is the intersection signalized, if so, does it have a pedestrian signal, if so, is the pedestrian signal phase allow enough time for a walking speed of 3.5 ft/sec? (R305.3)

Crosswalk Priority Matrix		
Priority	Point Value	Identified Issue
1	4	No crosswalk to connect two sidewalks across a street.
2A	3	An existing crosswalk with a cross slope greater than standard.
2B	3	An existing crosswalk with a running slope greater than 5%.
3A	2	An existing crosswalk with a width less than 6'.
3B	2	If an existing crosswalk crosses a median and the median is less than 6' long or does not have detectable warnings.
4	1	If an existing crosswalk has a pedestrian signal and the pedestrian signal phase does not allow enough time for a walking speed of 3.5 ft/sec, or is signalized and does not have a pedestrian signal.

Quick Analysis

Curb Ramps

1. Is there a curb ramp where a sidewalk crosses a street?
2. Does the curb ramp have a color contrasting detectable warning?
3. Does the curb ramp have a clear landing (top of curb ramp)?

Sidewalk

1. Is there a continuous clear space for pedestrian access the full length of the sidewalk?
2. Does the sidewalk appear to provide adequate passing zones?
3. Does sidewalk appear to be smooth without grade breaks?