

Sidewalk Priority Index

The index provides a method for assigning a score to each potential location for a new or extended sidewalk. Currently, the method only combines two indices (Pedestrian Potential Index and Deficiency Index) to form the final Sidewalk Priority Index. Scores for each index are estimated based on land use and transportation characteristics of the sidewalk under consideration and combined to calculate the Sidewalk Priority Index.

- A. ***Pedestrian Potential Index (PPI)***: It rates the need for a sidewalk based upon how likely it is that the area will generate pedestrian travel. The applicable features of a sidewalk segment are compared to the typical features listed in the table below to assign a score for each data field. The PPI is calculated by adding the points for each data field (maximum of 35 points).

Data Field	Description		
	Feature	Points Given (Otherwise 0)	Maximum Points
Commercial Land Use	Downtown	7	7
	Commercial Area	5	
Transit	Transit Route	2	2
Existing Walkway	Existing Walkway (Can be a dirt-path)	2	2
Designated Greenway	Designated Greenway	2	2
Elementary or Middle School Proximity	<1/4 mile	6	6
	1/4 mile to 1/2 mile	4	
	1/2 mile to 3/4 mile	2	
	3/4 mile to 1 mile	1	
High School Proximity	<1/4 mile	4	4
	1/4 mile to 1/2 mile	3	
	1/2 mile to 3/4 mile	2	
	3/4 mile to 1 mile	1	
Other Destinations within 1/4 mile	Pedestrian Friendly Commercial	2	8
	Transit Stop	4	
	Park	2	
Employment within walking distance	<1/4 mile	2	2
	1/4 mile to 1/2 mile	1	
Local Interest	High interest/Scenic	2	2
	Medium interest/Pleasant	1	
Potential Pedestrian Index	Total Maximum Points		35

- B. **Deficiency Index (DI):** It measures how critically pedestrian improvements are needed. The applicable features of a sidewalk segment are compared to the typical features listed in the table below to assign a score for each data field. The DI is calculated by adding the points for each data field (maximum of 51 points).

Data Field	Description		
	Feature	Points Given (Otherwise 0)	Maximum Points
Sidewalk Continuity Factor (% of Sidewalk in block, one side of street for collector roads, both side of street for arterial roads)	0%	5	5
	1 to 24%	4	
	25 to 49%	3	
	50 to 74%	2	
	75 to 99%	1	
	100%	0	
Pedestrian Collisions (that may have been prevented if sidewalk was in place)	1 or more crashes in last three years	10	10
Operating speed/Posted speed	>= 50 mph	5	5
	45 to 49 mph	4	
	40 to 44 mph	3	
	35 to 39 mph	2	
	30 to 34 mph	1	
Traffic Volume (Daily, two-way)	>= 20,000	5	5
	15,000 to 19,999	4	
	10,000 to 14,999	3	
	5,000 to 9,999	2	
	2,000 to 4,999	1	
Road Width (number of through lanes, both directions, including parking)	Number of Lanes (if>6, use 6)	From 1 to 6	6
Street Segment Length	1,000 feet	5	5
	800 to 999 feet	4	
	600 to 799 feet	3	
	400 to 599 feet	2	
	200 to 399	1	
Public Concerns (formal requests received)	1-2 requests	1	5
	3-4 requests	2	
	5-6 requests	3	
	7-8 requests	4	
	9+ requests	5	
High Proportion of Vulnerable Users Expected (within one block)	Hospital	5	5
	School		
	Senior Housing		
	Special needs use		
No Sidewalk on either side of street	No sidewalk on either side of street	5	5
Potential Pedestrian Index	Total Maximum Points		51

The Sidewalk Priority Index is calculated by adding the PPI and DI scores (maximum of 81 points)