

Sidewalk Priority Index for New Sidewalk Requests

The index provides a method for assigning a score to each potential location for a new or extended sidewalk. The method combines two indices (Pedestrian Potential Index and Deficiency Index) and a Feasibility Score 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 40 points).

Data Field	Description		
	Feature	Points Given (Otherwise 0)	Maximum Points
Commercial Land Use	Downtown	5	5
	Commercial Area	3	
Transit	Transit Route	2	2
Existing Pathway	Existing Pathway (can be a dirtpath)	4	4
Connection to 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	
University 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	
SRTS Plan	In SRTS Plan	5	5
Other Destinations within 1/4 mile	Pedestrian Friendly Commercial	2	4
	Park	2	
Employment within walking distance	<1/4 mile	2	2
	1/4 mile to 1/2 mile	1	
Potential Pedestrian Index	Total Maximum Points		40

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 50 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 year	10	10
Operating speed/Posted speed	>= 50 mph	5	5
	45 to 49 mph	4	
	40 to 44 mph	3	
	30 to 40 mph	2	
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 2 to 6	6
Length of Block	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)	Requests received from public	4	4
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
Deficiency Index	Total Maximum Points		50

C. **Feasibility Score:** Assesses the feasibility of a project, based on the availability of needed right-of-way, minimal drainage issues, if the project is financially feasible, and if the project is not tied to an upcoming larger project.

Data Field	Description		
	Feature	Points Given (Otherwise 0)	Maximum Points
Feasibility	All ROW available		10
	Minimal drainage issues		
	Financially feasible		

The Sidewalk Priority Index is calculated by adding the PPI and DI scores (maximum of 90 points) and the Feasibility Score (maximum of 10 points) for a total of 100 points.