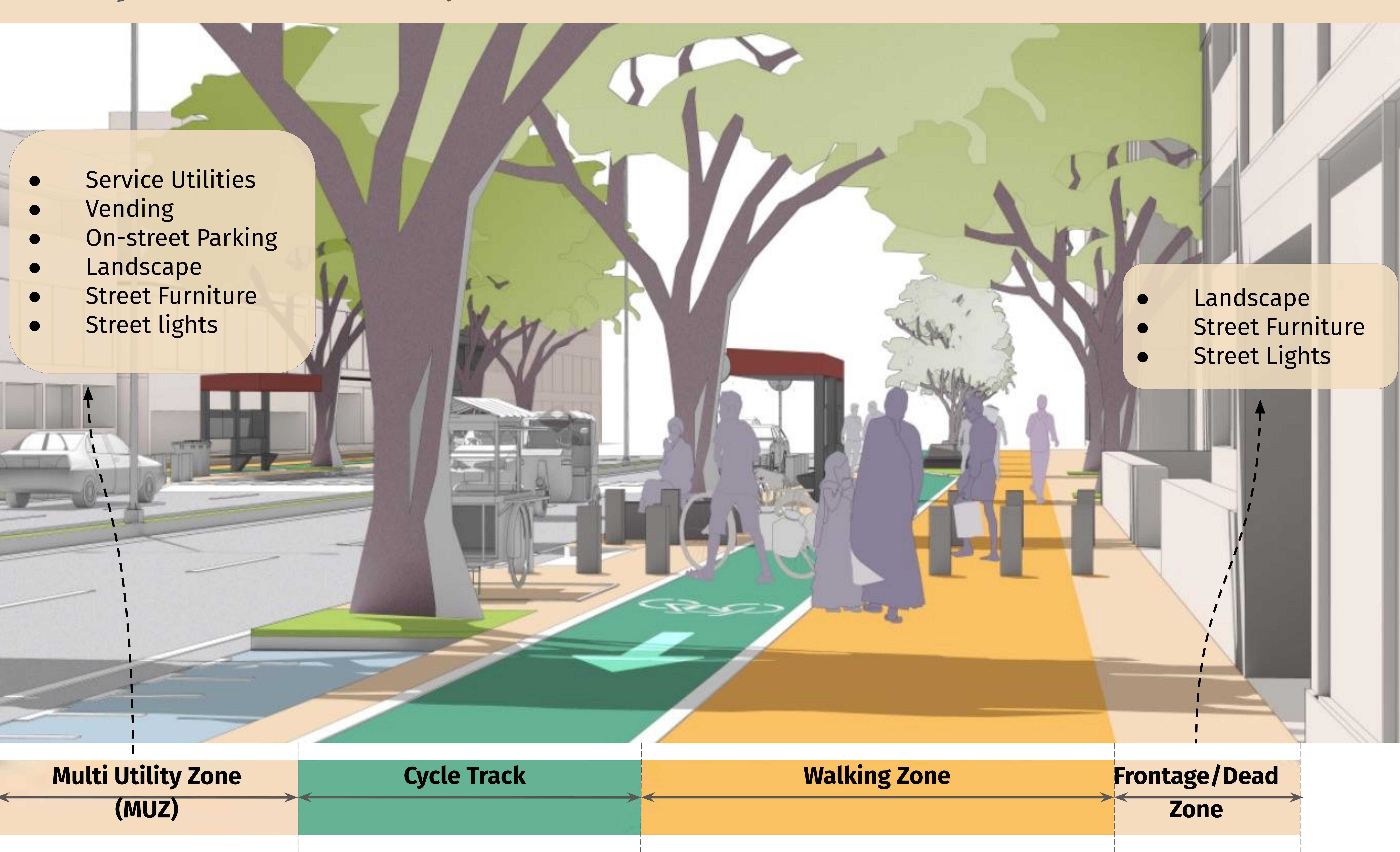


Healthy Streets Design Checklist

Units are in Feet & Inches

The optimal location of street elements.



1 Footpaths

Width of footpath zones - based on surrounding land use	Frontage zone	Walking zone	<u>Multi Utility Zone</u>
Residential Streets	min. 2'	min. 7'	min. 2'
High-intensity pedestrian footfall	min. 3'	min. 13'	min. 7'
Commercial Streets	min. 2'	min. 13'	min. 7'
Local streets ≤30' RoW	Share	Shared Street with MUZ patches if feasible	
	~ 11		

Local streets ≤30' RoW	Shared Street with MUZ patches if feasible	
Kerb height	6"	
Footpath gradient for surface runoff	1:50	
Vehicle Access Ramps	Streets with footpath > or equal to 5' width	Streets with footpath <5' width
	Slope - 1:8; Width: max.12'	Slope - 1:15
Tactile pavers	To be laid 2' from the edge of any obstacle	

2	Carriageway			
	Type	<u>Carriageway Width</u>		
	Single Lane with raised kerbs	10' - 12'		
3	Landscape			
	Location of trees	In the MUZ		
	Minimum no. of trees per 3000' (1km approx)	Right of Way (Ft.)	Minimum no. of trees/3000'	
		<100	(approx 1km) 200	
		100-150	300	
		150-200	500	
		200-400	700	
	C-C distance between tree trunks	Small trees > 20'/Mediu	m trees > 33'/Large trees > 50'	
	Vertical clearance of trees for safe pedestrian movement	8'		
	Height of shrubs planted on medians	5'		
	Height of high-branched trees planted on traffic islands	s 15' from the carriageway	y level	
	Size of tree pits	36sqft.		
	Height of raised tree pits	Standard seating height		
	Note: Level of the green should be lower than adjacent i	road level		
	Street Furniture			
4.1	Seating			
	Location of seating	In the MUZ or frontage		
	Orientation of seating	Streets with wide MUZ (>5')	Streets with narrow MUZ (5')	
		Perpendicular to pedestrian movement	Parallel to pedestrian movement	
	Height of seaters	1'5"		
	Depth of seaters (excluding backrest)	1'5"		
4,2	Bollards			
MM ARD	Location of bollards	To be provided at locations where vehicle encroachment is possible—property entrances, pedestrian median refuge, and table-top crossings.		
	Height	2'-3'		
388 888 888	Distance of the bollard from the kerb edge	1,		
	Clear width between bollards	2' For wheelchair access - 3'5"		
	Distance of the bollard from the building	2'		
	edge/property boundary			
4.3	Signage			
SLOW STREET	Location of signage Orientation of signages	In the MUZ OR 1' from the kerb edge Perpendicular to the line of traffic; Left side of the		
		road		
	Height of braille signages	5' from the finished footpath level		
	vertical clearance	mın. 7'		
4.4	Street Lights			
96	Location of street lights		median, based on context	
	Height of light poles	max. 40'		
	Spacing between two light poles	3 x (height of the light poles) Warm white I FDs		
	Recommended light favole for forth	Warm white LEDs		
	Recommended light levels for footpath	25 - 30 lux		

5	Bus stops			
	Location of the bus stop	Footpaths >15' wide	Footpaths <15' wide	
		In the MUZ	Property edge / Frontage	
NEXT BUS IN	Location of bus stop display information	Perpendicular to pedestrian movement	Parallel to pedestrian movement	
	Size of a typical bus stop shelter	30' x 8.5' 10' clear height		
	Clear width of waiting space in front of the shelter	4'		
	Distance of bus stop from junction	80' from the pedestrian cro	ossing edge	
	Distance of bus stops from parking bay (before and after)	16'		
	No. of ramps - in case the bus stop is not on the same level as the footpath	2 ramps—one for boarding,	one for alighting	
6	Street Vending			
	Location of street vending	In the MUZ		
	Size of a typical vendor space	6' x 6'		
7	7 Above-ground Utilities			
TO THE PART OF THE	Location of Utility Boxes	In the MUZ or frontage		
	Location of Manholes	In the MUZ		
8	On street Parking			
	Location of on-street parking	In the bulb outs, provided between carriageway and MUZ		
	Location of on-street parking from Major intersection	165'		
	Location of on-street parking from Minor intersection	30'-65'		
	Location of on-street parking from transit stops	16' before and after		
	Orientation of on-street parking	Parallel parking for 4 wheelers		
		Perpendicular parking for 2-wheelers and cycles		
		Angular parking for narrow streets with high 2-wheeler demand		
	Vehicle Type	Parking bay dimension		
	4 wheeler	7' x 20'		
		3.3' x 7' for perpendicular parking		
		4' - 5' width of bay for angular parking		
	Auto-rickshaw, e-rickshaw & Cycle-rickshaw	5' x 10'		
	Maximum length of on-street parking Location of on-street EV charging amenities	100' (5 ECS) In the MUZ		
	Cycle Tracks			
		Between the MUZ and Walk	cing Zone OR	
	Location of cycle tracks	Between the carriageway a		
	Buffer between parking and cycle track			
		min 7' - one way; min 10' -	two way	
	Vertical clearance along cycle tracks	8'		
	Height of bollards placed on cycle tracks	8" - 16"		
	Clear width between the bollards on the cycle tracks	4'		

10	Pedestrian and Cyclist Crossings		
	Spacing/Frequency of all pedestrian crossings	Every 260'-500'	
	lable lob crossing	Preferred in locations where speed needs to be reduced to 40-50 kmph	
	Location of crossing	At unsignalised crossings	
	Width of the crossing	min 7'	
	Height of table-top (same as height of footpath)	6"	
	Slope of table top's vehicular ramps	1:8	
	Distance between speed hump and table top	65'	
	Zebra Crossing with Pedestrian Ramp		
	Location of crossing	At signalised crossings	
	Width of the crossing	min 7'	
	Height	same level as carriageway	
	Slope of pedestrian ramps from footpath to zebra crossing	1:15	
	Traffic Calming Measures		
	Snaad humns	Drafarrad in locations where sneed needs to be	



Speed humpsPreferred in locations where speed needs to be reduced to 25-35kmph

Note: Speed humps should be preceded by rumble strips or cobble stone rumblers, cat-eyes; and signage

12 Median and Pedestrian Refuge



Location of pedestrian refugeWherever pedestrian crossing is provided

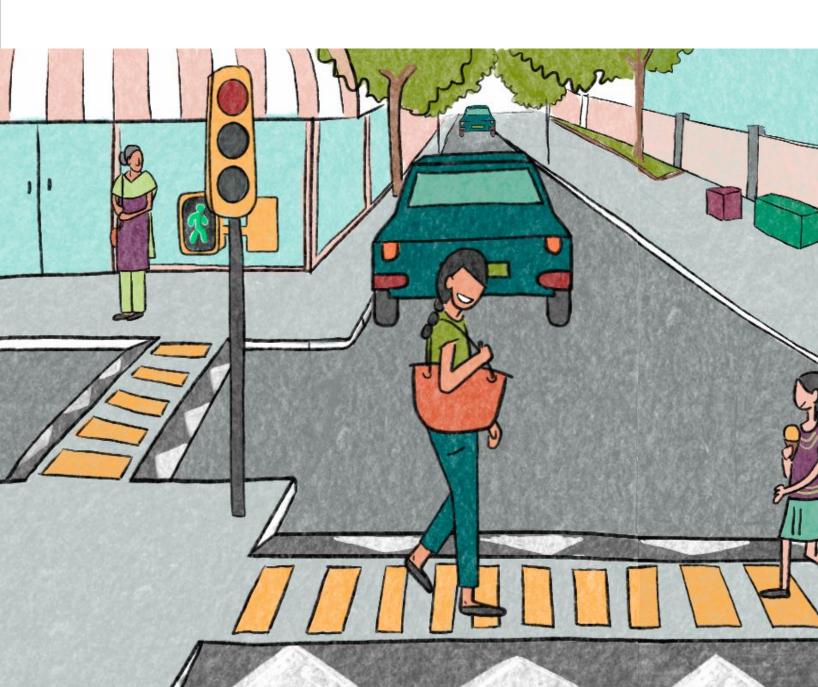
Pedestrian refuge width in the median min 5'

Pedestrian refuge length in the median Width of the crossing (min 7')

Median width

Median width gradient towards/away from the 1:15 - 1:20 pedestrian refuge

13 Intersection



Turning Radius max 30' for Bus Route Roads

max 13' for non-Bus Route Roads

Height of pedestrian refuge island 6" - same level as footpath

14 Public Amenities

	<u>Dustbins</u>	Public Bike Sharing Stations	Public Toilets (on street)	Play/Gym equipments
Location	In the MUZ	Within MUZ if MUZ >7' (or) In Parking Bays if MUZ <7'	Clear distance of 7' footpath to be left	In the MUZ or frontage zone
Height	3' from FFL			
Spacing	Every 160'-240'	Every 1000'		Buffer from kerb edge - Min 1'8"



