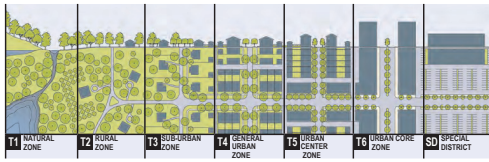


Table B1: Bikeway & Facility Type Summary - This table prescribes opportunities for the placement of Bikeways, facilities, and Countermeasures across the Transect.

Note: All requirements in this Table are subject to calibration for local context.



Bikeway Types	T1	T2	T3	T4	T5	T6	SO
Shared Use Bicycle Trail	permitted	permitted	permitted				
Shared Use Bicycle Path			permitted	permitted	retrofit by Warrant	retrofit by Warrant	Warrant
Bicycle Lane (Conventional)	permitted	permitted	permitted	permitted	retrofit by Warrant	retrofit by Warrant	Warrant
Shared Vehicular Lanes	permitted	permitted	permitted	permitted	permitted	permitted	Warrant
Bicycle Parking							
Bicycle Rack (standard)	Warrant	permitted	permitted	permitted	permitted	permitted	Warrant
Bicycle Rack (decorative, public art)	Warrant	Warrant	Warrant	Warrant	permitted	permitted	Warrant
Bicycle Shelter	Warrant	permitted	permitted	permitted	permitted	permitted	Warrant
Bicycle Locker	Warrant	permitted	Warrant	Warrant	permitted	permitted	Warrant
Bicycle Station					Warrant	permitted	Warrant
Bikeway Countermeasures							
Safety and Route Signage	permitted	permitted	permitted	permitted	permitted	permitted	Warrant
Pag-a-Track		Warrant	permitted	permitted	permitted	permitted	Warrant
Shared Vehicular Lane Marking (Narrow)			permitted	permitted	permitted	permitted	Warrant
Bicycle Inductor Loop	Warrant	permitted	permitted	permitted	permitted	permitted	Warrant
Physically-Separated Bicycle Lane	Warrant	Warrant	Warrant	retrofit by Warrant	retrofit by Warrant	retrofit by Warrant	Warrant
Contra-Flow Bicycle Lane			Warrant	retrofit by Warrant	retrofit by Warrant	retrofit by Warrant	Warrant
Buffered Bicycle Lane	Warrant	Warrant	Warrant	retrofit by Warrant	retrofit by Warrant	retrofit by Warrant	Warrant
Bicycle Box			Warrant	retrofit by Warrant	retrofit by Warrant	retrofit by Warrant	Warrant
Shoulder	permitted	permitted	Warrant	permitted	permitted	permitted	Warrant

**PROJECT:** SMARTCODE BICYCLING MODULE  
**TYPE:** DESIGN GUIDE/MODULE  
**CLIENT:** CENTER FOR APPLIED TRANSECT STUDIES  
**SIZE:** N/A  
**STATUS:** VERSION 1.0 COMPLETE

The SmartCode Bicycle Module was researched and authored by Mike Lydon and Tony Garcia of The Street Plans Collaborative, with support from Zachary Adelson.

The module is designed to “plug-in” into the SmartCode, which is a model form-based municipal code that folds zoning, subdivision regulations, urban design, public works standards and basic architectural controls into one compact document. Available for all scales of planning, from the region to the community, to the block and building, the model code is intended for local calibration. It is thus unlike conventional zoning codes based on use and density, which have caused systemic problems over the past sixty years by making mixed use and walkable neighborhoods inadvertently illegal.

Specifically, the Bicycle Module integrates and advances the quality of bicycle planning within transect-based smart growth planning efforts. The Module is designed to coordinate more than 20 bikeway facility types within the logic of the rural-to-urban transect, which as an organizing tool effectively provides specific context zones to which bikeways, countermeasure treatments, and bicycle parking types and ratios may be applied. The Module was commissioned by the Center for Applied Transect Studies, and is now available as freeware on the CATS website.

ASSEMBLY DESIGNATION	AV-84-56-BLX	CS-104-76-BLB
Thoroughfare Type	Avenue with Bicycle Lane with Bicycle Box	Commercial Street with Buffered Bicycle Lanes
Right-of-Way Width	84 feet	104 feet
Pavement Width	56 feet	76 feet
Transect Zone Assignment	(retrofit) T3, T4, T5	(retrofit) T5, T6
<b>PUBLIC FRONTAGE</b>		
Drainage Type	4" raised Curb	4" raised Curb
Curb Radius	10 feet	10 feet
Walkway Type	14 foot Sidewalk both sides	14 foot Sidewalk both sides
Planter Type	6 foot tree wells	6 foot tree wells
Landscape Type	trees at 30' o.c. avg.	tree wells 30' o.c. avg.
Median Width	10 feet	n/a
<b>VEHICULAR LANES</b>		
Traffic Lane Width	10 feet, turn lane 10 feet	10 feet
Parking Lane Width	both sides @ 8 feet marked	both sides @ 7 feet marked
Target Speed	35 mph	above 35 mph
Pedestrian Crossing Time	16 seconds	24 seconds
<b>BIKEWAY TYPE</b>	<b>BLX - Bicycle Lane with Bicycle Box</b>	<b>BLB - Buffered Bicycle Lane</b>
Riding Surface Width	5 feet with 14" deep box	5 feet with 4" striped buffer and 2" Shy Zone
Movement	with traffic	with traffic
Intersection Treatment	signalized, Bicycle Box	signalized, Pag-a-Track, colored, Bicycle Box, Bicycle Inductor Loops
Bicycle Parking	rack, Bicycle Shelter, Bicycle Locker, Bicycle Station	rack, Bicycle Shelter, Bicycle Locker, Bicycle Station
<b>TRANSITWAY TYPE</b>	See Transit Module	See Transit Module