

SmartCode Bicycle Module

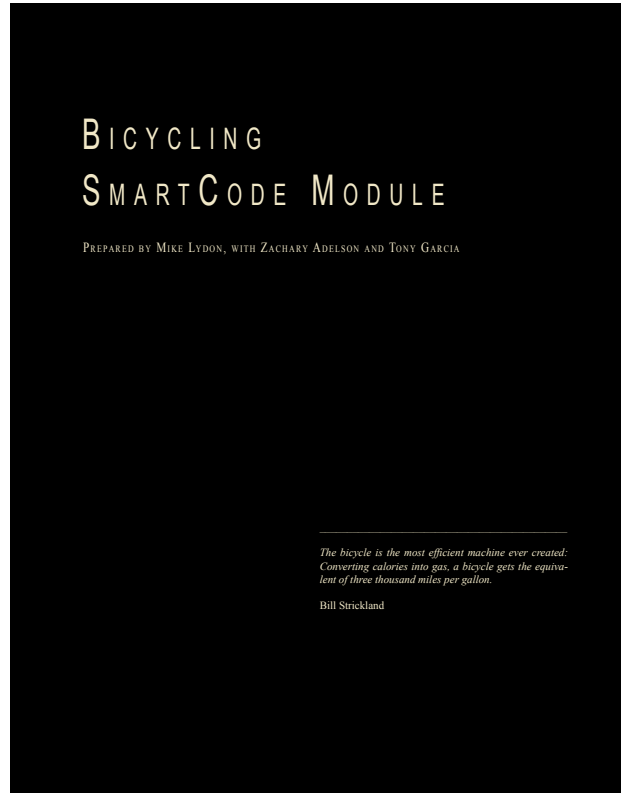
Type: SmartCode Module

Size: n/a

Status: Complete, implementation underway

The SmartCode Bicycle Module was re-researched and authored by Mike Lydon and Tony Garcia of The Street Plans Collaborative, with assistance from Zachary Adelson. The module is designed to “plug in” in to the SmartCode, which is a model form-based 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 able to be calibrated to the unique qualities of each place to which it is applied. It is thus unlike conventional zoning codes based on use and density, which have made mixed use and walkable neighborhoods inadvertently illegal.

Specifically, the Bicycle Module is intended to advance the quality of bicycle planning within smart growth planning and design efforts. To do so, the Module coordinates more than 20 bikeway facility and parking types with the logic of the rural-to-urban transect. Like the “freeware” SmartCode, the Bicycle Module is available for download at the Center for Applied Transect Studies website: www.transect.org.



SMARTCODE MODULE

Municipality

BIKEWAY TYPES

Table B2: Bikeway Types - This table describes opportunities for the placement of several Bikeway types across the Transect. A Bicycle Route may be comprised of any or all of these physical types. Bicycle Lanes should be used primarily for retrofit of existing overwide Thoroughfares.

	T1	T2	T3	T4	T5	T6			
a. (SHARED USE) BICYCLE TRAIL AND BICYCLE PATH									
Bikeway Type	Bicycle Trail (BT)		Bicycle Path (BP)						
Riding Surface Width	8' - 12' ft		10' - 14' ft						
Movement	with traffic or contra-flow		with traffic						
Intersection Detailing	signed		signed, signalized						
Bicycle Parking	rack, Bicycle Shelter		rack, Bicycle Shelter, Bicycle Locker						
b. BICYCLE LANE (in T4, T5, T6 recommended for retrofit only)									
Bikeway Type	Conventional Bicycle Lane (BLC)	Bicycle Lane with Bicycle Box (BLB)	Physically Separated Bicycle Lane (BLP)	Buffered Bicycle Lane (BLB)	2-way Buffered Bicycle Lane (BLB2)				
Riding Surface Width	5 ft min, separating, 48 min, w/o parking	5 ft min each way, box depth 14 ft	5 ft min/2 ft min barrier	5 ft min each way/2 ft min striped buffer	5 ft min each way/3 ft min striped buffer				
Movement	with traffic or contra-flow	with traffic	with traffic or dual direction	with traffic	dual direction				
Intersection Detailing	signalized, dashed, Peg-a-Track, colored, Bicycle Box	signalized, dashed, Peg-a-Track, colored, Bicycle Box	signalized, dashed, Peg-a-Track, colored, Bicycle Box	signalized, dashed, Peg-a-Track, colored, Bicycle Box	signalized, Peg-a-Track, colored, Bicycle Box				
Bicycle Parking	rack, Bicycle Shelter, Bicycle Station	rack, Bicycle Shelter, Bicycle Station	rack, Bicycle Shelter, Bicycle Station	rack, Bicycle Shelter, Bicycle Station	rack, Bicycle Shelter, Bicycle Station				
c. SHARED VEHICULAR LANES									
Bikeway Type	Shoulder (BLS)	Shared Vehicular Lane w/ Shoulder (BL)	Bicycle Boulevard (BB)	Shared Vehicular Lane w/ Shoulder (BL)	Shared Vehicular Lane w/ Shoulder (BL)	Shared Vehicular Lane w/ Shoulder (BL)			
Riding Surface Width	5 ft min	same as vehicular lane	same as vehicular lane	same as vehicular lane	same as vehicular lane	same as vehicular lane			
Movement	with traffic	with traffic	with traffic	with traffic	with traffic	with traffic			
Intersection Detailing	signed, signalized	signed, signalized	signed, signalized	signed, signalized	signed, signalized	signed, signalized			
Bicycle Parking	opportunistic, rack, Bicycle Shelter	opportunistic, rack, Bicycle Shelter	opportunistic, rack, Bicycle Shelter	opportunistic, rack, Bicycle Shelter	opportunistic, rack, Bicycle Shelter	opportunistic, rack, Bicycle Shelter			