

Designing Safe Roads for All Users

Traffic Calming

Becky Byford, PE Senior Engineer Toole Design Group | Bentonville, AR



Definition of Traffic Calming

- Traffic calming is the combination of mainly physical measures that:
 - Reduce the negative effects of motor vehicle use,
 - Alter driver behavior; and
 - Improve conditions for non-motorized street users.



- Understand the context
- Educate and Involve Stakeholders
- "Starter Ideas" on how traffic calming measures could be applied to the specific context
- Align the effort with a broader vision for the area

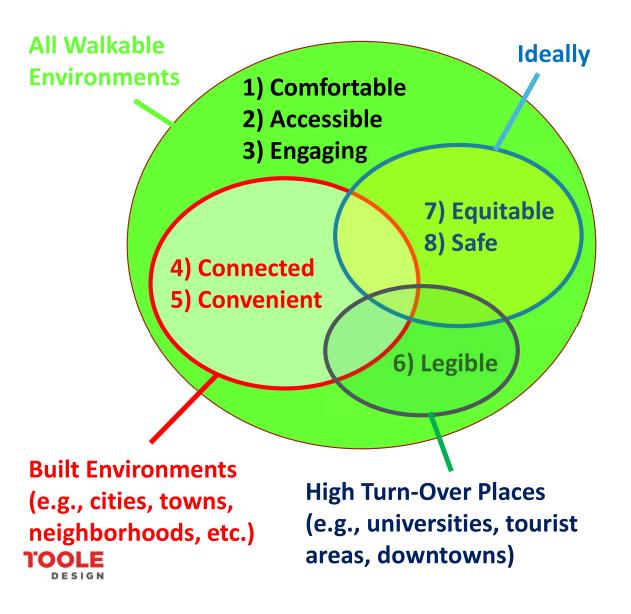






Speed Management Measures by Street Type, Speed, and Context Classification

device	Speed Management Measure	e from the Speed Management Section of the Florida Design Manual (FDM), other sections of the FDM Framework Street																Non-Framework Street (usually local street)
	Posted/Design/Target/Operationg Speed (mph)	>45	40-45			35					7A 7A			≤25				
	Context Classification	C1 C2	С2Т	C3R C3C	C4	C2T	C3R C3C	C4	C5	C2T	C3R C3C	C4	C5	C6	C2T	C5	C6	≤ 30 MPH
s/dc	Transition Zone from/to higher speed environment							,										
device	Gateway Signs																	4
measure	Entrance Features (architecture/landscaping)									1								
device	Speed Limit Pavement Markings (usually in transition zones)																	
measure	Roundabouts (also type of transition)	*														Ц		1
measure	Roundel																	
measure	Lane Narrowing																	
measure	Reduction in number of lanes (a.k.a. lane repurposing)	*	*	*	*													
s/dc	Bike Lanes														Ш			
s/dc	Buffered Bike lanes																	
s/dc	Shared Use Path, Trail															_		
s/dc	Seperated Bike Lanes				ш						<u> </u>					_		
measure	Horizontal Deflection, Splitter Island/ Lateral Shifts								_							_		
measure	Introduce Curve									- 1				1			15	
measure	Chicane																	
measure	Curb Extensions/Bulbouts																	
maggura	Vertical Deflection / Speed Tables / Raised Crosswalks / Raised Intersections																	
measure device	Speed Feedback Sign																	
device	Short Blocks Mid-Block Crossings Marked Crossing at Unsignalized									-		2	4	4	-		2	-







Quick-Build

Short-term















Creative







Education and Feedback











When You Put the Pieces Together

Long-term

















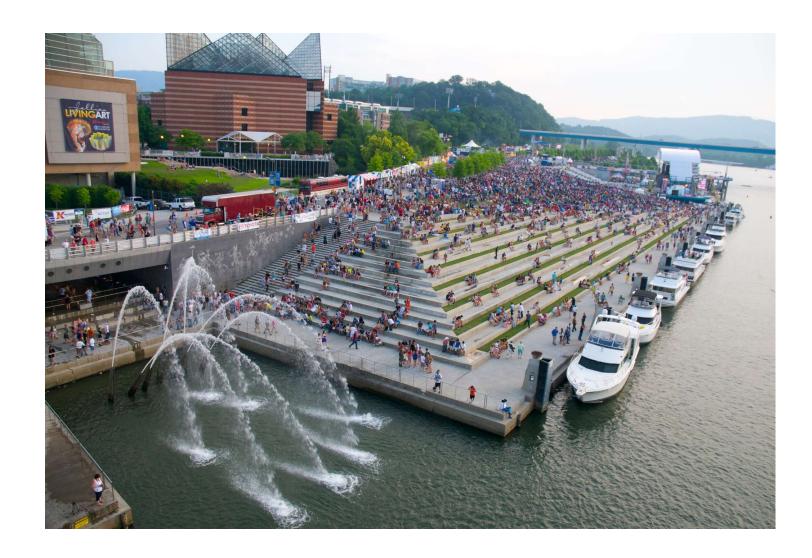
























Community for the People

