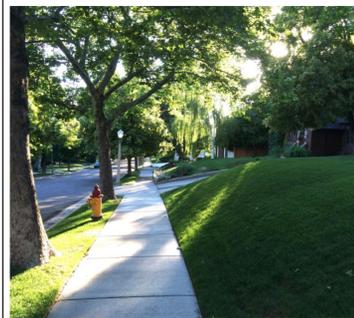


# TRAFFIC-CALMING TOOLKIT



Traffic calming reduces vehicle speeds and volumes through primarily physical interventions to improve safety, comfort, and quality of life.

## HORIZONTAL TOOLS ↔



**Sidewalk:** Public space along roads where people can walk and use wheelchairs.

Sidewalk in Salt Lake City, UT.  
Image Source: Kelly M. White, licensed under CC BY-SA 3.0



**Curb Extension:** A protruding part of the sidewalk that narrows the roadway to add space for pedestrians and reduce crossing distances.

Concrete curb extension in British Columbia, Canada.  
Image Source: Richard Drdul, licensed under CC BY-SA 2.0



**On-Street Parking:** Space for cars to park that can provide a buffer between active-transportation users and traffic.

On-street parking in Cambridge, MA  
Image Source: Nelson\Nygaard Consulting Associates



**Chicane:** Mid-block curb extensions—often with green infrastructure—that require drivers to maneuver in an S-pattern and yield to oncoming vehicles, slowing speeds.

Chicane in Seattle, WA.  
Image Source: Richard Drdul, licensed under CC BY-SA 2.0

## VERTICAL TOOLS ↓↑

What do you think of these treatments? Let us know on a sticky note!



Raised crosswalk in Providence, RI  
Image Source: Neighborways

**Raised Crosswalks:** Crosswalks raised to the sidewalk level that slow down vehicles and make crossing the street safer.



Raised intersection in Somerville, MA  
Image Source: Neighborways

**Raised Intersections:** Intersections raised to the sidewalk level that slow down vehicles and make crossing the street easier.



Speed bump and warning signs in Bloomington, IN.  
Image Source: Vitaly Barsov, licensed under CC BY-SA 3.0

**Speed Hump:** A raised mound of asphalt that covers the entire width of a street, slowing traffic.

**Speed Cushions:** Speed humps with slots for vehicles and people on bikes, scooters, or other forms of micromobility.



**Median Refuge Island:** Raised pavement and/or protected space in the middle of crossings to provide a safe area for pedestrians while crossing.

Median refuge island in Arlington, MA  
Image Source: Neighborways



**Rumble Strip:** Textured or raised markers in the road that make noise and vibrations to alert drivers when they're drifting out of their lane.

Rumble strip on US-2 in Washington State  
Image Source: Washington State DOT



**Bikeway:** Space in the right-of-way for bicyclists to safely travel, usually designated by paint and sometimes separated from traffic with a physical barrier or raised to sidewalk level.

Painted bike lane in Saco, ME  
Image Source: GPCOG



**Armadillo:** Low, mountable, and durable, 'armadillos' are a curb-like barrier to protect/enhance bike lane safety and discourage motorists from entering.

Armadillos protecting an on-street bikeway.  
Image Source: Nelson\Nygaard Consulting Associates



**Curb Radius Reduction/ 'Clear Corner':** Paint or physical barriers at corners and intersections that shrink curves to force vehicles to slow down and improve visibility.

Rubber curb extension to reduce curb radius.  
Image Source: Richard Drdul, licensed under CC BY-SA 2.0



Speed table in Medford, MA  
Image Source: Neighborways

**Speed Tables:** Longer, raised mounds of asphalt with a flat top. These are usually applied in the middle of a block.

# TRAFFIC-CALMING TOOLKIT



## TRAFFIC-CONTROL TOOLS



**Neighborhood Traffic Circles:** Small roundabouts that often replace stop-controlled intersections to lower speeds.

*Neighborhood traffic circle in Providence, RI  
Image Source: Neighborways*



**Mini Roundabout:** A small roundabout with entry deflection and a truck apron.

*A mini roundabout in a rural area.  
"Raphael Schaller 2017" by Raphael Schaller is licensed under CC0 1.0.*



**Pedestrian Hybrid Beacon:** A traffic-control device with button-activated red lights that help pedestrians cross.

*Pedestrian hybrid beacon in Phoenix, AZ  
Image Source: Nelson\Nygaard Consulting Associates*



**Rapid Rectangular Flashing Beacon:** Pedestrian-activated flashing lights that alert drivers about pedestrians crossing.

*Rapid rectangular flashing beacon in Yarmouth, ME  
Image Source: GPCOG*



**Marked Crosswalks:** Pedestrian crossings typically marked by painted white or yellow stripes to indicate a safe crossing.

*Marked crosswalk on West Grand Avenue in Old Orchard Beach, ME  
Image Source: GPCOG*

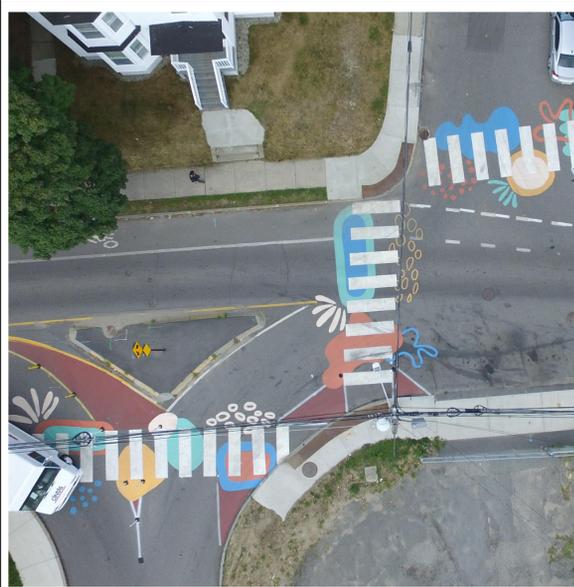
*What do you think of these treatments? Let us know on a sticky note!*

## LANDSCAPE ARCHITECTURE TOOLS



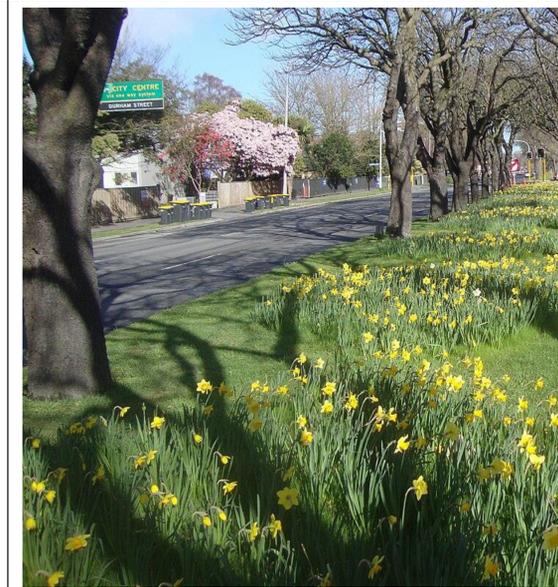
**Landscaped Median:** A traffic median where some or all of the space is occupied by plantings which serve to visually narrow the roadway and provide an attractive streetscape. Can be combined with green infrastructure and other traffic-calming tools.

*Landscaped median in Port Townsend, WA  
"Midblock median island (Located in Port Townsend, WA)" by Richard Drdul is licensed under CC BY-SA 2.0*



**Asphalt Art:** Visual interventions on the roadway to increase safety by drawing drivers' attention to pedestrian and cyclist infrastructure.

*Creative crosswalk in Portland, ME  
Image Source: GPCOG*



**Beautification zone:** Also referred to as a furnishing zone, this is space next to the roadway that can include street trees, street furniture, plantings, or public art.

*Daffodils in the Bealey Avenue median, Christchurch  
Image Source: Schwede66, licensed under CC BY-SA 2.0*