ACRONYMS

ACRONYM	DEFINITION
AAA	All Ages and Abilities
APBP	Association of Pedestrian & Bicycle Professionals
B.C.	British Columbia
CPTED	Crime Prevention Through Environmental Design
CROW	CROW refers to the Dutch Design Manual for Bicycle Traffic (2016). CROW is the Dutch abbreviation of the Information and Technology Centre for Transport and Infrastructure.
FHWA	Federal Highway Association
GBA+	Gender-Based Analysis Plus
MOTI	Ministry of Transportation and Infrastructure
MUP	Multi-Use Pathway
MUTCDC	Manual on Uniform Traffic Control Devices Canada
MVA	Motor Vehicle Act
NACTO	National Association of City Transportation Officials
TAC	Transportation Association of Canada
TWSI	Tactile Walking Surface Indicator

GLOSSARY

TERM	DEFINITION		
Absolute Minimum Width	The lowest end of a design domain value for a bicycle facility component (e.g. lane, buffer), beyond which a bicycle facility component would be rendered unsafe and unusable. The absolute minimum should only be used for short distances, when reasonable consideration has been given to local context, and if maintenance equipment is able to fit within this width.		
Active Transportation Facility	Features such as sidewalks, bicycle lanes, multi-use pathways, and pedestrian bridges that both promote and enhance active transportation.		
Advisory Bicycle Lane	Advisory bicycle lanes are bicycle-priority areas within a shared street environment, where people cycling have priority within dedicated lanes but where motorists may legally enter the bicycle lanes to pass oncoming motor vehicles.		
All Ages and Abilities (AAA)	Active transportation facilities that are considered safe and comfortable for people of all ages and abilities. A range of bicycle facility types may be considered to be AAA facilities, depending on their design and the surrounding context.		
Ancillary Zone	A flexible space located on street within the roadway that is not designated for motor vehicle through traffic, but that supports the primary functions of either the roadway or the sidewalk. Uses can include on-street motor vehicle or bicycle parking, bicycle facilities, docked bike share stands, loading zones, transit stops, taxi or ride hailing zones, curb extensions, parklets, or patios. This space also includes the concrete gutter and, depending on the street design, may be used for snow storage. See Chapter C3 for design guidance.		
Bicycle	A type of 'cycle' (see definition of cycle below).		
Bicycle Accessible Shoulder	Bicycle accessible shoulders are paved spaces on the right side of rural roads and highways, and along certain urban streets, that can be used by people riding bicycles as well as by other street users.		
Bicycle Facility	A roadway, part of a roadway, or off-street pathway intended for the use of bicycles and sometimes skateboards, in-line skates, scooters, or other active modes, either exclusively or shared with vehicular traffic or pedestrians.		
Bicycle Lane	A lane intended for the exclusive use of bicycles and sometimes skateboards, in-line skates, scooter or other active modes, within a roadway used by motorized vehicles.		
Bicycle Pathway	A bicycle facility, physically separated from roadways, where motor vehicle traffic, except maintenance vehicles, is excluded.		
Bicycle Rider Spectrum	A method of categorizing people's willingness to use a bicycle for transportation, first developed by the City of Portland. The general population is classified into a 'bicycle rider spectrum' made up of the following four groups of bicycle riders, ordered by their level of stress and risk tolerance from high to low: 'strong and fearless,' 'enthused and confident,' 'interested but concerned,' and 'no way, no how.' Market research has shown that the percentage of people who fall into each category will differ slightly in different municipalities.		
Bicycle Through Zone	The Bicycle Through Zone exists on streets with bicycle facilities. On some streets, the Bicycle Through Zone takes the place of the Ancillary Zone, but not always. However, an Ancillary Zone w on-street parking may still be provided adjacent to a Bicycle Through Zone. See Section D for desi guidance		
Bioswale	Bioswales (also known as biofilters, infiltration swales, grassed swales, or in-line bioretention) are vegetated open channels designed to attenuate and treat stormwater run-off for a defined water volume. Bioswales convey larger stormwater volumes from a source to a discharge point, similar to an open ditch. However, unlike ditches, they intentionally promote slowing, cleansing, and infiltration along the way. A sloped base to facilitate this water movement distinguishes bioswales from rain gardens.		
Clear Zone	The roadside area immediately adjacent to the outer travelled lane, clear of hazards, which may be used safely by errant vehicles.		

TERM	DEFINITION		
Comfort Zone	A designated zone with a shared street environment that provides a clear pathway for pedestrians, separated from mixed motor vehicle traffic. The Comfort Zone is the shared street equivalent of the Pedestrian Through Zone.		
Complete Street	A street designed and operated to enable safe and efficient access for all street users, including people walking, cycling, and using other active modes, in addition to transit and motor vehicle users. Complete streets are designed to integrate all transportation modes while responding to local context and considering the needs of people of all ages and abilities.		
Constrained Limit Width	The lower end of a design domain value for a bicycle facility component (e.g. lane, buffer), for use when providing the desired width is not feasible. The constrained limit width is likely to offer inferior operational performance and user experience as compared to the desired width, but it may be less costly to construct, and it provides design flexibility.		
Continuous Tree Trenches	A system of street trees connected by an underground infiltration system, allowing the roots of neighbouring trees to interconnect and share resources.		
Control Vehicle	The largest and least maneuverable user or vehicle that will infrequently use the street. The control vehicle should be accommodated but not prioritized in street design. It may need to operate at lower speeds and take wide or multi-point turns.		
Crash Cushion	A device that prevents an errant vehicle from impacting fixed object hazards by gradually decelerating the vehicle to a safe stop or by redirecting the vehicle away from the hazard.		
Crime Prevention Through Environmental Design (CPTED)	A multi-disciplinary approach for reducing crime through urban and environmental design and the management and use of built environments. For more information, visit: www.cpted.net/		
Cross-Ride	Cross-rides (also known as elephant's feet and cross-bikes) are the bicycle equivalent of a crosswalk. They are intended to alert all street users of a bicycle crossing. Cross-rides consist of a series of white squares laid out in parallel lines across a street. They can be enhanced by adding the bicycle symbol and/or applying a green surface treatment. Cross-rides are not currently defined in the B.C. MVA, meaning that they have no legal status and		
	have limited application on MOTI facilities. However, municipalities may enact bylaws that define cross-rides and permit them on municipal streets.		
Crosswalk	As defined in the B.C. MVA:		
	(a) a portion of the roadway at an intersection or elsewhere distinctly indicated for pedestrian crossing by signs or by lines or other markings on the surface, or		
	(b) the portion of a highway at an intersection that is included within the connection of the lateral lines of the sidewalks on the opposite sides of the highway, or within the extension of the lateral lines of the sidewalk on one side of the highway, measured from the curbs, or in the absence of curbs, from the edges of the roadway.		
Cul-de-sac	A dead-end street that is only connected to other streets on one end.		
Curbside Activity	Uses of the street immediately adjacent to the curb that can have an impact on the function and design of bicycle and pedestrian facilities, and which may present challenges to people with disabilities. Curbside activities include motor vehicle parking, loading, and transit stops.		
Cut throughs	A pathway that runs between two properties to connect two segments of a pedestrian facility, bicycle route, or off-street pathway that are separated by development or open space. They are typically paved or a hard surface. Cut-through pathways make neighbourhoods more walkable and bikeable by shortening distances and providing important connections to destinations.		
Cycle	A device having any number of wheels that is propelled by human power and on which a person may ride and includes a motor assisted cycle, but does not include a skateboard, roller skates or in- line roller skates;		
Daylighting	The removal of sightline obstructions such as vegetation, parked motor vehicles, or other physical objects near intersections and conflict points along bicycle facilities in order to facilitate increased visibility between bicyclists and other street users.		

TERM	DEFINITION		
Design Domain	A geometric design concept used in the TAC Geometric Design Guide for Canadian Roads that includes a range that has a relationship with the fitness-for-purpose of the design element. For example, design domain is used to provide a range of values for bicycle facility components, such the width of a bicycle lane. The TAC Geometric Design Guide for Canadian Roads includes four lewithin the design domain: practical lower limit, recommended lower limit, recommended upper limit, and practical upper limit. For the purposes of the Design Guide, the primary focus is on the levels that TAC identifies to be part of the recommended lower Limit (referred to as constrained limit in the Design Guide) or recommended higher limit (referred to as desirable in the Design Guide).		
Design Guide	The B.C. Active Transportation Design Guide (this document).		
Design Speed	A speed selected for purposes of design and correlation of the geometric features of a road.		
Design User	The target user or user group for which a bicycle facility is designed. For example, a design professional may want to design a facility that serves the 'interested but concerned' segment of the population (see Bicycle Rider Spectrum) or a AAA facility (see All Ages and Abilities (AAA) Bicycle Facility).		
Design Vehicle	The vehicle whose dimensions and speed potential are used to dictate the minimum design requirements for a given street or facility. When designing a bicycle facility, the bicycle is used as the design vehicle. Bicycles are not uniform in size or operating style, so variations in bicycle design must be considered.		
Desire Lines	A desire line (or desire path) is a path created by erosion from human or animal traffic. The desire line typically represents the most direct or easily navigated route between two destination.		
Desired Width	The recommended design domain value for a bicycle facility component (e.g. lane, buffer) that is likely to provide optimum operational performance and user experience. Design professionals are encouraged to design bicycle facilities using the desired width whenever feasible.		
Detectable Warning Surface	A surface that is detectable underfoot or by a cane. Detectable warning surfaces can alert and/or guide people with blindness or low vision. tactile walking surface indicators (TWSI) are recommended by the CSA as the standardized detectable warning surface treatment. Changes in surface material, such as providing a strip of softscape (e.g. grass) or textured surface material next to hardscape (e.g. concrete) can also function as a detectable warning surface.		
Dooring	When a bicyclist collides with the door of a parked motor vehicle that has been opened suddenly into the path of the bicyclist. Bicycle facilities should be designed to minimize the risk of dooring by removing motor vehicle parking adjacent to bicycle facilities or separating the parking from the bicycle facility using a painted and/or physical buffer.		
Frontage (Service) Road	A roadway contiguous to a through roadway so designed as to intercept, collect and distribute traffic desiring to cross, enter or leave the through roadway and to furnish access to property.		
Frontage Zone	This is the area adjacent to properties, such as building entrances, front yards, stoops, vending, café seating, and building-related utilities. This area may be part of the public right-of way, or private, if a building setback is present. The Frontage Zone predominantly applies to an urban street context as it is typically private front yard space in a local or suburban context. See Chapter C ₃ for design guidance.		
Furnishing Zone	The space that provides physical separation between the sidewalk and the bicycle lane.		
Gender-Based Analysis Plus (GBA+)	GBA+ is an analytical process used to assess how diverse groups of women, men and non-binary people may experience policies, programs and initiatives. The 'plus' in GBA+ acknowledges that GBA goes beyond biological (sex) and socio-cultural (gender) differences. GBA+ is the process by which a policy, program, initiative or service can be examined for its impacts on various groups. GBA+ provides a snapshot that captures the realities of diverse groups of women, men and non-binary people affected by a particular issue at a specific time. This means that analysts, researchers, evaluators, and decision-makers are able to continually improve their work and attain better results for Canadians by being more responsive to their specific needs and circumstances. For more information, visit: https://cfc-swc.gc.ca/gba-acs/index-en.html		
Geometric Design	The selection of the visible dimensions of the elements of a roadway.		
Grade Separation	Vertical separation of two intersecting roadways or a roadway and a railway.		

TERM	DEFINITION		
Highway	Synonymous with roadway but generally limited to higher-speed roadways in rural areas. However, in the B.C. MVA, 'highway' includes:		
	(a) every highway within the meaning of the Transportation Act,		
	(b) every road, street, lane or right of way designed or intended for or used by the general public for the passage of vehicles, and		
	(c) every private place or passageway to which the public, for the purpose of the parking or servicing of vehicles, has access or is invited, but does not include an industrial road.		
Horizontal Illumination	Measured at grade and is key for enabling bicycle users to see the surface condition, pavement markings, obstacles, and the direction of the bicycle facility.		
Illuminance	The density of luminous flux incident on a surface (e.g. the amount or intensity of light received by a surface), measured in lux.		
Illumination	A qualitative or general term designating the act of lighting or the state of being lit.		
Luminaire	A complete lighting unit consisting of a lamp or lamps together with the parts designed to distribute the light, to position and protect the lamps, and to connect the lamps to the power supply.		
Luminous Flux	The amount of light produced by a light source, measured in lumens.		
Motor Vehicle	A vehicle, not run on rails, that is designed to be self-propelled or propelled by electric power obtained from overhead trolley wires but does not include mobile equipment or a motor assisted cycle.		
Multi-Use Pathway (MUP)	A path with multiple users of different types (e.g., pedestrians, bicycles, and similar user types); MUPs may be shared (all users share the same pathway space, with or without a marked centre line) or may be separated (e.g., the pathway is separated into parallel travelled ways, e.g., one exclusively for pedestrians and one exclusively for bicycles, skateboards, and other active transportation users).		
Neighbourhood Bikeway	Neighbourhood bikeways (also known as bicycle boulevards, bicycle priority streets, local street bikeways, and neighbourhood greenways) are streets with low motor vehicle volumes and speeds that have been enhanced to varying degrees to prioritize bicycle traffic. Bicycle boulevards should include signage and pavement markings and can also include a range of traffic calming and diversion measures to facilitate through movement by bicycles, while reducing motor vehicle volumes and speeds as necessary.		
New Mobility	A broad term that covers new and emerging forms of transportation, including autonomous vehicles, electric motor vehicles, mobility as a service, shared mobility, electric bicycles, and small, one-person electric vehicles.		
Operating Speed	The 85th percentile speed of vehicles at a time when traffic		
	volumes are low and drivers are free to choose the speed at which they travel.		
Pedestrian	A person walking, including people using mobility aids such as canes, walkers, manual wheelchairs, electric wheelchairs, and mobility scooters.		
Pedestrian Through Zone	This is the most important area of the street for safe, accessible, and efficient movement of pedestrians. The width of this zone depends on the street context and the volume of pedestrian activity anticipated for the corridor or block. This area should be entirely free of permanent and temporary objects. See Chapter C.2 for design guidance.		
Phytoremediation	The use of living green plants for in situ removal, degradation, or containment of contaminants in soils, sludges, sediments, surface water, and groundwater.		
Posted Speed	A speed limitation introduced for reason of safety, economy, traffic control and government regulatory policy aimed at encouraging drivers to travel at an appropriate speed for surrounding conditions.		

TERM	DEFINITION		
Motor Assisted Cycle	According to the B.C. MVA, a device:		
	(a) to which pedals or hand cranks are attached that will allow for the cycle to be propelled by human power,		
	(b) on which a person may ride,		
	(c) to which is attached a motor of a prescribed type that has an output not exceeding the prescribed output, and		
	(d) that meets the other criteria prescribed under section 182.1 (3) of the MVA.		
Protected Bicycle Lane	A protected bicycle lane is a dedicated bicycle facility for the exclusive use of people cycling that is physically separated from motor vehicles and pedestrians by vertical and horizontal elements.		
Public Realm	The collection of outdoor spaces between buildings that is publicly accessible, comprising streets, squares, courtyards, pathways, parks, and open spaces.		
Road	Synonymous with road/roadway, but generally used in contexts that prioritize motor vehicle travel, such as highways. Streets and roads are generally classified based on their typical functional and operational characteristics.		
Roadway	According to the B.C. MVA:		
	The portion of the highway that is improved, designed or ordinarily used for vehicular traffic, but does not include the shoulder, and if a highway includes two or more separate roadways. The term 'roadway' refers to any one roadway separately and not to all of them collectively.		
Shared Lane	Designated shared-use lanes (also referred to as marked wide curb lanes) are lanes on a street designed to allow sufficient width for a motor vehicle to safely overtake a bicyclist, without crossing over into the adjacent or oncoming motor vehicle lane. Shared lanes are located on streets with higher motor vehicle volumes and speeds (as opposed to bicycle boulevards).		
Shared Mobility	Systems that allow people to access a network of shared vehicles that have been spread across a community or portion of a community, as opposed to privately owned vehicles or vehicle rental companies based in a single location. Shared mobility systems currently include shared motor vehicles, shared bicycles/electric bicycles (including docked and dockless systems), and shared electric kick scooters.		
Shared Street	A shared space is a street designed to be shared by pedestrians, cyclists, and slow-moving motorists, with no physical separation of modes and typically an emphasis on use as a livable public space.		
Shorelining	A form of navigation used by people with visual impairments that involves following a wall, curb, or other contrasting surface to the one a person is walking on in order to maintain a specific orientation while travelling through environments.		
Shoulder	That part of a roadway contiguous with the travelled way intended for emergency stopping, and/or lateral support of the roadway structure. It may also be configured to be accessible for bicycle travel.		
Shy Distance	The space between vehicles or pedestrians as they pass each other or vertical objects, such as bollards or fence posts. Adequate shy distance must be provided along bicycle facilities in order to ensure the safe operation of a bicycle. The amount of shy distance required for safety tends to increase with speed.		
Small, One-Person Electric Vehicles	A category of electric vehicles that includes electric kick scooters (e-scooters), electric skateboards, hoverboards, segways, self-balancing electric unicycles, and other emerging modes. At the time of writing, these vehicles are not permitted on public roadways or sidewalks in British Columbia (legality issues are discussed further below). However, these vehicles have been observed in operation in communities across the province.		
Sidewalk	A travelled way intended for pedestrian use, following an alignment generally parallel to that of the adjacent roadway.		
Street	Synonymous with road/roadway but generally limited to lower speed roads in urban areas and implies multimodal use. Streets and roads are generally classified based on their typical functional and operational characteristics.		
Street Buffer Zone	The space that provides physical separation between the bicycle lane and motor vehicle lane.		

TERM	DEFINITION		
Tactile Attention Indicators	A tactile walking surface indicator comprising truncated domes that alert people of an impending change in elevation, conflicts with other transportation modes, and other potential hazards.		
Tactile Direction Indicators	A tactile walking surface indicator that uses elongated, flat-topped bars to facilitate wayfinding in open areas. The elongated bars indicate the travel direction.		
Tactile Walking Surface Indicators (TWSI)	A warning treatment that alerts the pedestrian to the presence of a street crossing through a tactile surface and/or contrasting colour. TWSIs may also enhance the sidewalk-crosswalk interface by guiding pedestrians with visual or other disabilities to and from the crosswalk with directional grooves. Examples of TWSI materials include tactile dome pads or directional tiles.		
Traffic Control Device	A sign, signal, line, metre, marking, space, barrier or device placed or erected by authority of the minister responsible for the administration of the B.C. Transportation Act, the council of a municipality or the governing body of a Treaty First Nation or a person authorized by any of them to exercise that authority.		
Traffic Control Signal	A traffic control device, whether manually, electrically or mechanically operated, by which traffic is directed to stop and to proceed.		
Traffic Zone	A street zone that accommodates users travelling through a road or accessing destinations along the road. Traffic Zone uses can include motor vehicle through traffic, transit, goods movement, and bicycle travel. The Traffic Zone can be divided into multiple lanes that are shared by multiple users or dedicated to certain vehicles (such as exclusive transit lanes). Medians and refuge areas can also be included within this zone.		
Uniformity Ratio	A term used in lighting design that describes the ratio of maximum to minimum illumination levels. Lighting uniformity is the human perception of how evenly illumination is distributed.		
Universal Design	The design of products, environments, programs, and services to be usable by all people, to the greatest extent possible, without the need for adaptation or specialized design. 'Universal design' shall not exclude assistive devices for a particular group.		
Vehicle	A device in, on, or by which a person or thing is, or may be, transported or drawn on a highway, but does not include a device designed to be moved by human power, a device used exclusively on stationary rails or tracks, mobile equipment, or a motor assisted cycle.		
Vertical Illumination	Measured 1.5 metres above grade and allows bicycle users to see other people walking and cycling, street signs, and vertical obstacles such as tree branches.		
Walkshed	The acceptable walking range around a specific location. A walkshed is typically displayed as a walking area measured by walking time or distance from a specific point on a map.		
Warrant	A criterion that identifies a potential need for a physical feature, such as a traffic barrier, extra lane, or other item.		

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APPENDIX A: PROJECT PARTICIPANTS

The British Columbia Active Transportation Design Guide (Design Guide) was developed under the direction of the British Columbia Ministry of Transportation and Infrastructure (MOTI) with support by Urban Systems. Accessibility guidance was provided by Universal design (UAD). Signal guidance was provided by P.K. Consulting, LLC.

PROVINCE OF BRITISH COLUMBIA

The following provincial government staff participated in the creation of the Design Guide:

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WEBINAR AND ON-LINE SURVEY PARTICIPANTS

Stakeholders from across the province were invited to participate in the development of the Design Guide through the participation of webinar and an on-line survey. The following organizations participated in webinars and/or completed the on-line survey regarding the Design Guide:

BC Cycling Coalition **BC** Ferries BC Randonneurs Cycling Club BC Recreation and Parks Association Bikemaps.org Capital Regional District City of Coquitlam City of Courtenay City of Delta City of Kamloops City of Kelowna City of Maple Ridge City of Nelson City of New Westminster City of North Vancouver City of Penticton City of Powell River City of Richmond City of Surrey City of Vancouver City of Vernon City of Victoria Columbia Shuswap Regional District Comox Valley Regional District Cowichan Valley Regional District District of Central Saanich District of Kitimat District of New Hazelton District of North Saanich District of North Vancouver District of Oak Bay

District of Saanich District of Sooke District of Sparwood District of Squamish District of Summerland District of West Vancouver Engineers and Geoscientists BC Greater Nanaimo Cycling Coalition Greater Victoria Cycling Coalition HUB Cycling Islands Trust Municipality of North Cowichan New Westminster & Burnaby Walkers' Caucus Regional District of Central Kootenay Regional District of Central Okanagan Regional District of Nanaimo Resort Municipality of Whistler Shuswap Trail Alliance Spinal Cord Injury BC Strathcona Regional District Town of Comox Town of Sidney TransLink Township of Spallumcheen University of British Columbia Village of Pemberton Walk Metro Vancouver Walk On Victoria Whistler Cycling Club Wolverine Nordic and Mountain Society

APPENDIX B: SIGNAGE AND PAVEMENT MARKINGS

There are two primary sources of signage in British Columbia. The Ministry of Transportation and Infrastructure (MOTI) oversees the B.C. Provincial Sign Program and maintains the *Catalogue of Standard Traffic Signs and Supplemental Traffic Signs*, which apply on all roadways under provincial jurisdiction. Meanwhile, the TAC *Manual of Uniform Traffic Control Devices for Canada (MUTCDC)* provides national guidance for the use of traffic control devices, including signage and pavement markings. TAC *MUTCDC* signage is typically used on roadways that are under local and regional government jurisdiction. Other sources of signage and pavement markings include the TAC *Bikeway Traffic Control Guidelines for Canada and the TAC Pedestrian Crossing Control Guide.*

The TAC guidance and the B.C. Provincial Sign Program use different sign codes: for example, the sign code for a Stop sign is MUTCDC RA-1 (using TAC guidance) or B.C. R-001 Series (using the B.C. Provincial Sign Program). There is overlap between the two systems, but there are also signs that are unique to each system. There are also some signs that have similar meanings but different designs – some with minor differences and some more noticeable. Where two different codes exist for the same sign, each code has been referenced in the Design Guide. If the sign appears in only one guide, that code has been referenced. Design professionals are encouraged to review each signage system and consider the jurisdiction and the most appropriate sign for each application.

Please note that the information provided in this section is based on the TAC guidelines and the B.C. Provincial Sign Program, as indicated above. All pavement markings and signage should reflect the most current edition of each of the reference documents. Design professionals are reminded that the traffic control devices included in Appendix B are not an exhaustive list of traffic control devices. A more exhaustive list of available traffic control devices that includes signage, pavement marking, and signals can be found in the documents referenced above.

SIGNAGE

	REGULATORY SIGNS	
MUTCDC SIGN CODE	B.C. SIGN CODE CUSTOM SIGNS	DESCRIPTION
STOP	STOP	Stop Sign The Stop sign indicates to cyclists that they must stop before entering the intersection and must not proceed until it is safe to do so.
RA-1	R-001 Series	
		Yield Sign The Yield sign indicates to drivers that they must yield the right-of-way before entering the intersection or roundabout, and must not proceed until it is safe to do so.
RA-2	R-002 Series	School Crosswalk Sign The School Crosswalk sign is used to indicate the location of a school crosswalk. The sign is placed on either side of the crosswalk using the right and left version so that the pedestrian symbols are walking toward the centre of the road.
RA-3R, RA-3L	PS-005 Series	
K		The Pedestrian Crosswalk sign is used to indicate the location of a school crosswalk. The sign is placed on either side of the crosswalk using the right and left version so that the pedestrian symbols are walking toward the centre of the road.
RA-4R, RA-4L	PS-003 Series	
RA-5	N/A	Special Crosswalk Overhead Sign The Special Crosswalk Overhead sign indicates the location of a special crosswalk. This sign must be installed over the road.

MUTCDC SIGN CODE	B.C. SIGN CODE	CUSTOM SIGNS	DESCRIPTION
			In-Street School Crosswalk Sign The In-Street School Crosswalk sign may be used to increase the conspicuity of key pedestrian crosswalks in a school area. The In-Street School Crosswalk sign shall not be used at crosswalk locations that are controlled by a stop sign or a traffic signal. The In-Street School Crosswalk sign shall be placed on the roadway centre line or on a median island if present.
RA-8	N/A		
FXCEPT	FXCEPT		Except Bicycles Tab Sign
BICYCLES	BICYCLES		signs and other regulatory signs where bicycles are exempt from the specific regulation.
RB-95	R-009 Tabs		Through Traffic Prohibited Sign
			The Through Traffic Prohibited sign indicates to drivers that they are not permitted to proceed straight ahead.
RB-10	R-017-2 Series		
			Left Turn Prohibited Sign The Left Turn Prohibited sign indicates to drivers that they are not permitted to turn left.
RB-11L	R-015-L Series		

MUTCDC SIGN CODE	B.C. SIGN CODE	CUSTOM SIGNS	DESCRIPTION
			Right Turn Prohibited Sign
			The Right Turn Prohibited sign indicates to drivers that they are not permitted to turn right.
RB-11R	R-015-R Series		
			Turn Right Sign
			The Turn Right sign indicates to drivers that they are required to turn right only.
RB-14R	R-016-1R Series		Right Turn on Traffic Signal Prohibited
			Sign
			The Right Turn on Traffic Signal Prohibited sign indicates to drivers that during the red traffic signal indication, they are not permitted to turn right.
RB-17R	R-117-R		
			Left Turn on Traffic Signal Prohibited Sign The Left Turn on Traffic Signal Prohibited sign indicates to drivers that during the red traffic signal
RB-17	R-117-L Series		Indication, they are not permitted to turn left.
			One-Way Sign
			The One-Way sign indicates to drivers that traffic is allowed to travel only in the direction of the arrow, on the road or section of road.
RB-21	R-008-1LR Series		

MUTCDC SIGN CODE	B.C. SIGN CODE	CUSTOM SIGNS	DESCRIPTION
			Entry Prohibited Sign
			The Entry Prohibited sign indicates to drivers that vehicular traffic is not permitted to enter the road at the location of the sign.
RB-23	R-009-1 Series		
			Two-Way Traffic Sign
			The Two-way Traffic sign indicates to drivers that the section of road that they are travelling on is a two-way road. This sign is recommended on roadways with advisory bicycle lanes.
RB-24	R-010 Series		
RB-25	R-014-R Series		Keep Right Sign The Keep Right sign indicates that traffic is required to pass on the right of obstructions, such as medians, islands or underpass piers.
			Turning Vehicles Yield to Bicycles Sign
		YIELD TO BICYCLES	The Turning Vehicles Yield to Bicycles sign may be used at conflict zones where motorists are required to cross a cyclist facility and are required to yield to the cyclist. The sign should incorporate the type of cycling facility present in the conflict zone (e.g. dashed bicycle lane lines, green paint, direction of travel etc.) Customized versions of the RB-37 sign with a supplemental 'Yield to Bicycles' tab have been developed by other municipalities (e.g., City of Vancouver) for improved visibility and readability.
RB-37	N/A		

MUTCDC SIGN CODE	B.C. SIGN CODE	CUSTOM SIGNS	DESCRIPTION
TURNING VEHICLES TO BIKES AND PEDESTRIANS	N/A	TURNING VEHICLES TO TO R10-15 alt.	Turning Vehicles Yield to Bicycles and Pedestrians SignThe Turning Vehicles Yield to Bicycles and Pedestrians sign may be used where motorists are required to cross or share a facility used by cyclists and/or pedestrians and are required to yield to the cyclists or pedestrians.Customized versions of the RB-38 sign have been illustrated in other guidelines. For example, the R10- 15 alt. sign shown in the MassDOT guide.
			Yield to Pedestrians Sign
TO PEDESTRIANS			The Yield to Pedestrians sign may be used where cyclists are required to cross or share a facility used by pedestrians and are required to yield to pedestrians.
RB-39	N/A		
			Right Turn Only Lane Sign The Right Turn Only Lane sign indicates to drivers approaching an intersection in the designated lane that they must only turn right from the designated lane at the intersection.
RB-41R	R-082-R1 Series		
RB-51	P-oo1 Series		Parking Prohibited Sign The Parking Prohibited sign indicates that parking is prohibited at all times on all days, in the direction(s) of the arrow(s).



MUTCDC SIGN CODE	B.C. SIGN CODE	CUSTOM SIGNS	DESCRIPTION
RB-85	N/A		Motorcycles Prohibited Sign The Motorcycles Prohibited sign indicates that motorcycles are prohibited in a specific area
RB-88			Automobiles Prohibited Sign The Automobiles Prohibited sign indicates that automobiles are prohibited in a specific area
RB-88	R-122-1 Series		
♦ ● ♦ ● ♦ ● ♦ ●	N/A		Reserved Bicycle Lane Sign The Reserved Bicycle Lane sign indicates that a lane is reserved for the exclusive use of bicycles. Reserved Bicycle Lane signs should be mounted either directly above (RB-90) or adjacent to (RB-91) the reserved lane. Reserved Bicycle Lane signs should be installed at a minimum of one sign between each intersection, with the first sign installed a maximum of 15 metres past the end of the curb radius. Signs should be installed at 200 metre intervals after the first signs.
RB-92	N/A		Reserved Bicycle Lane Ends Sign The reserved Bicycle Lane Ends sign must be installed at the end of the reserved lane denoting the end of the bicycle lane.

MUTCDC SIGN CODE	B.C. SIGN CODE	CUSTOM SIGNS	DESCRIPTION
BEGINS	N/A		Reserved Bicycle Lane Begins Sign The reserved Bicycle Lane Begins sign must be installed at the beginning of the reserved lane denoting the start of the bicycle lane.
N/A	N/A	Custom Sign	Custom Reserved Bi-directional Bicycle Lane Sign Custom signage for bi-directional protected bicycle lanes, such as the custom Reserved Bi-directional Bicycle Lane sign used by the City of Edmonton, may be used to further clarify the facility for cyclists and motorists.
K SHARED PATHWAY	N/A		Shared Pathway Sign The Shared Pathway sign indicates that both cyclists and pedestrians are permitted to use the path.



MUTCDC SIGN CODE	B.C. SIGN CODE	CUSTOM SIGNS	DESCRIPTION
		VEHICLES SHARE CENTER LANE	Advisory Bicycle Lane Sign The custom Advisory Bicycle Lane sign is used where motorists are required to share the center travel lane and pass one another by temporarily pulling into the advisory bicycle lane. Motorists must yield to people cycling in advisory bicycle lanes when a sidewalk is present for people walking.
N/A	N/A	VEHICLES SHARE CENTER LANE	
N/A	N/A	MULTI-USE CROSSING	Multi-Use Crossing Sign The custom Multi-Use Crossing sign is used to indicate the location of a multi-use crosswalk.
N/A	N/A	SIGNAL	Bicycle Signal Sign The custom Bicycle Signal sign is used to inform people on bicycles and motorists of a bicycle signal.
N/A	N/A	USE PED SIGNAL	Bicycles Use Pedestrian Signal Sign The custom Bicycles Use Pedestrian Signal sign is used to inform people on bicycles and motorists that people cycling are to follow the pedestrian signals instead of the motor vehicle signals.

MUTCDC SIGN CODE	B.C. SIGN CODE	CUSTOM SIGNS	DESCRIPTION
N/A	N/A	SHARED STREET	Shared Street Signage The custom Shared Street signs have been used by municipalities to demarcate the entrance to a shared street where motorists need to travel at the speed of people walking.
LANE CLOSED	LANE CLOSED B-C-002 Series		Bicycle Lane Closed Sign The Bicycle Lane Closed sign is used to warn cyclists that a bicycle lane is temporarily closed.
	DETOUR		Bicycle Lane Detour Marker Sign Bicycle Lane Detour Marker signs are used to direct people cycling to follow an alternative route when a work zone requires bicycle lane closure. Marker signs should be installed whenever a Bicycle Lane Closed sign is temporarily installed.
TC-70	B-C-004-1A Series		

MUTCDC SIGN CODE	B.C. SIGN CODE	CUSTOM SIGNS	DESCRIPTION
			Bicycle Detour Ends Sign
DETOUR ENDS	DETOUR ENDS		Bicycle Detour Ends sign may be installed to denote the end of the detour.
TC-71	B-C-004-2 Series		
		WARNING SIGNS	
WR-2	W-020 Series		Two-Way Traffic Ahead Sign Used to warn all road users on a one-way street that they are approaching a section with two- way traffic.
			Signal Ahead Sign
			The Signal Ahead sign is used to indicate the presence of a traffic control signal ahead. This sign may be used when the signals are not visible for a distance of 120m.
WB-4	W-012 Series		
			Pedestrian Crosswalk Ahead Sign Install the Pedestrian Crosswalk Ahead sign when the visibility of the crosswalk area is limited. This sign must be installed 50-150 metres in advance of pedestrian crosswalks.
WC-2	PS-002 Series		Sabaal Creasewalls Abaa d Sirry
			Used in advance of a school crossing when no School Area signs are present.
VVC-16	PS-004 Series		

MUTCDC SIGN CODE	B.C. SIGN CODE	CUSTOM SIGNS	DESCRIPTION
			Shared-Use Lane Single File Sign Used to warn motorists and cyclists that cyclists are allowed full use of the lane ahead and to warn motorists that the lane is too narrow for side-by- side operation. Shared-use lane markings should be used to mark the location where cyclists should position themselves within the lane.
WC-20			Single File Supplementary Tab Sign
SINGLE FILE			The Single File supplementary tab sign (WC-20S) must be used to convey the meaning of this sign.
WC-205	N/A		Picycle Tupil Crossing Side Street Sign
			The Bicycle Trail Crossing Side Street sign indicates to drivers that a bicycle path, which runs parallel and in close proximity to the through road, intersects a crossroad such that insufficient distance is available on the crossroad between the bicycle trail crossing and the through road for proper siting of the WC-7 sign.
WC-44	N/A		
TRAIL CROSSING	N/A		Trail Crossing Tab Sign The temporary Trail Crossing Tab sign is used for educational purposes after the WC-44 sign is installed.
			Object Marker (Left)
			The Object Marker (Left) is used to mark obstructions on the left side of the road or bikeway.
WA-36L	W-054-L Series		

MUTCDC SIGN CODE	B.C. SIGN CODE	CUSTOM SIGNS	DESCRIPTION
			Object Marker (Right) The Object Marker (Right) is used to mark obstructions on the right side of the road or bikeway.
WA-36R	W-054-R Series		
			Object Marker The Object Marker is used to mark obstructions adjacent to or within the road or bikeway, such as bridge piers and traffic islands.
WA-36	W-054-D Series		
			Chevron Alignment Sign The Chevron Alignment signs may be used to provide additional guidance to drivers where there is a change in the horizontal alignment of the road.
WA-9	W-062 Series		
			Checkerboard Sign The Checkerboard sign indicates the termination of a road.
\//A_8	W-014 Series		

MUTCDC SIGN CODE	B.C. SIGN CODE	CUSTOM SIGNS	DESCRIPTION
			Checkerboard Sign
			The Checkerboard signs indicate an abrupt change of alignment at a turn or a curve. The black arrow indicates the direction taken by the curve or turn.
WA-8R	W-015 Series		
\wedge			Single Curve Sign
			The Single Curve sign indicates that there is a single curve in the road ahead.
WA-2R	W-002-R Series		
			Neighbourhood Speed Hump Sign The Neighbourhood Street Hump sign indicates a vertical deflection of the road surface, including measures such as a speed hump, raised crosswalk or raised intersection.
WA-50	W-108-2 Series		
\wedge			Contraflow Bicycle Lane Crossing Sign
WC-43	N/A		The Contraflow Bicycle Lane Crossing sign indicates to drivers that they are approaching a road with one- way vehicular traffic and two-way bicycle traffic.
			Pedestrian and Bicycle Crossing Ahead
WC-46	W-129-2 Series		Sign The Pedestrian and Bicycle Crossing Ahead sign indicates to drivers that they are approaching a location where a multi-use path crosses the road. The WC-7S Crossing Supplementary tab sign must be used to convey the meaning of the Bicycle Crossing Ahead sign.

MUTCDC SIGN CODE	B.C. SIGN CODE	CUSTOM SIGNS	DESCRIPTION
WC-7R	W-129-1 Series		Bicycle Crossing Ahead Sign The Bicycle Crossing Ahead sign indicates to drivers that they are approaching a location where a bicycle path crosses the road.
CROSSING WC-75	W-129 Tab		Crossing Supplementary Tab The Crossing Supplementary tab sign must be used to convey the meaning of the Bicycle Crossing Ahead sign.
			Share the Road Sign Used to warn drivers that they are to provide adequate driving space for cyclists and other vehicles on the road. Share the Road Supplementary Tab Sign The Share the Road supplementary tab sign (W(-10S))
WC-19 SHARE THE ROAD WC-19S	W-132-1 Series SHARE THE ROAD W-132-1 Tab		must be used to convey the meaning of this sign.
WB-10	N/A		Reserved Bicycle Lane Ahead Sign The Reserved Bicycle Lane Ahead sign may be used to warn drivers that they are approaching a reserved bicycle lane.



PAVEMENT MARKINGS

Pavement markings are an important element of the traffic control system for all road users. As stated in the TAC *MUTCDC*, they serve a variety of functions, including defining lanes, separating opposing traffic flows, passing controls, lane usage and designation, pedestrian crosswalks, stop lines, parking areas and symbol and word messages. Under favourable conditions, pavement markings convey information to the motorist, people walking, and people cycling without diverting their attention from the road or bikeway. However, they have limitations: they may be entirely covered by snow; they may not be clearly visible when wet; and they may have limited durability.

Pavement markings for bicycle and pedestrian facilities fall into three categories: longitudinal, transverse and symbol markings. The principles for the design of pavement markings are outlined in Division C1 of the TAC *MUTCDC. Pavement markings must be uniform in design position and application. Pavement markings should be designed in accordance with the design standards in Division C1 of the TAC <i>MUTCDC as well as the* MOTI *Manual of Standard Traffic Signs and Pavement Markings. Design* professionals are reminded that the pavement markings included in **Appendix B are not an exhaustive** list. A more exhaustive list of available traffic control devices that includes pavement markings, signage, and signals can be found in the documents listed in the introduction of **Appendix B above**.

LONGITUDINAL				
The longitudinal pa below.	vement marking widths shown in the figures indicate the desired widths. Acceptable ra	nges are noted in the table		
Name	Dimensions	Description		
Bicycle Lane (Solid)	100–200mm	Delineates the edge of a travel lane dedicated for bicycle use where travel is permitted in the same direction on both sides of the line.		
Bicycle Lane (Dashed)	1.0m 1.0m	Permits motor vehicles to cross the bicycle lane to perform a turning movement.		
Bicycle Lane Guidelines (Dashed)	1.5m 1.5m	Delineates the edge of bicycle travel lanes through intersections where cross- ride markings have not been installed.		
Contra-Flow Lane	100–200mm	Separates bicycles and moving vehicles travelling in the opposite direction.		
Buffered Bicycle Lane	3.0m 100-200mm 1:1 or 2:1100mm 100mm	Creates greater separation for bicycles and moving vehicles travelling in the same direction. When the width of buffer is < 300mm, the inner line can be omitted. When the width of the buffer is ≤ 600mm the diagonal hatching is optional.		







Name	Dimensions	Description
Bicycle Shared Use Lane Symbol (Sharrow)	1.05m 2.0m 2.0m 0.2m 1.05m 2.0m 0.2m	Pavement marking to indicate shared use of the roadway with people on bicycles and motorized vehicles. Symbols should be spaced at a minimum 75 m and approximately 10 m downstream from all intersections. Green backed sharrows should be used where protected bicycle lanes merge into a shared- use lane, and locations without physical protection where enhanced visibility is desired.
Bicycle Detection Symbol	50mm 75mm 500mm 75mm 500mm 500mm	Pavement marking to indicate location of bicycle actuation loop. Symbol should be placed at the most sensitive area of detection.
Non-Elongated Bicycle Symbol	1.0m	Pavement marking used at conflict markings, bicycle pathway crossings, bicycle boxes or in two-stage turn boxes applications.
Custom Wayfinding Symbol	1.65m	Wayfinding pavement marking to direct people on bicycles along bicycle routes.
Custom Multi- Use Wayfinding Symbol	1.65m	Wayfinding pavement marking to direct people on bicycles and walking along multi-use pathways.



APPENDIX C: TYPES OF TRAFFIC CALMING DEVICES

Speed Hump







Chicane



Raised Intersection



Traffic Circle









Full Closure



Intersection Channelization



Right-In / Right-Out Islands



Raised Median



About the B.C. Active Transportation Design Guide

The British Columbia Active Transportation Design Guide helps transform how we get around in a way that reduces pollution and leads to better health outcomes for people, while making our communities cleaner and more liveable. The Design Guide is a detailed planning and engineering reference that provides practical design and application guidance for active transportation infrastructure for jurisdictions of all sizes. It incorporates theory, recent research, design concepts, best practices, new methodologies, and innovations to maximize the benefits of investing in active transportation infrastructure.

The Province thanks everyone who participated in the shaping of this Design Guide and we look forward to working with all stakeholders across B.C. to design and build infrastructure using this information. Working together we can build the best B.C. possible and enable everyone to choose active transportation.