

Status of Cycling Strategy Actions

Action #	Action Description	Status	Comments
C-1	Engage key stakeholders in creating a new Pathway and Bikeway Implementation Plan.	On-going	Related Report TT2018-0060 provides a status update of the Pathway and Bikeway Plan as per the direction of Council 2016 July 4 Council Meeting, Report TT2016-0444. The project team has developed a baseline map, undertaken engagement, and developed a list of criteria to analyze the network based on public engagement. Work is currently underway to develop a draft long-range pathway and bikeway network and identify future projects and costs. In the next phase of the project, Calgarians will also be asked to provide input on the criteria that should be used to set priorities for construction in building out the network.
C-2	Update Calgary's bikeway GIS layer information regularly.	On-going	Bikeway data is updated periodically in GIS. The on-street data layer is now available in the Open Data Catalogue. The Pathway & Bikeway map is available by Mobile app or by hard copy. The last hardcopy map was updated and printed May 2017 and over 25,000 copies were distributed.
C-3	Migrate the bikeway GIS layer into TransNET (a graphical representation of Calgary streets).	On-going	GIS data aligned with TransNET, updated with new projects.
C-4	Develop a bicycle design guide for Calgary. This will provide guidance for the inclusion of cycling facilities into the Complete Streets Guide.	On-going	The City is working with Alberta Transportation, the City of Edmonton and other jurisdictions to develop a Provincial Bicycle Design Guide. The guide will build on best practice and lead to some necessary changes to the Alberta Traffic Act. The guide is in development currently.
C-5	Plan, design and build priority pilot projects including cycle tracks and bike boxes.	On-going	Constructed a cycle track on 7 Street S.W. in 2013. Opened the Centre City Cycle Track Network pilot in 2015. Constructed a cycle track on Edmonton Trail N.E. in 2016. A short stretch of cycle track was installed with the Zoo Bridge project on 12 Street S.E. in 2017. Our cycle track designs include bike turn boxes, bike boxes, conflict markings, multi-use crossings, bike signals, and other innovative treatments.

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TT2018-0014
ATTACHMENT 2
Item # 7.8

Action #	Action Description	Status	Comments
C-6	Support the development of an updated national bicycle design guide.	Completed	The Transportation Association of Canada has published a geometric design guide in 2017 and includes a chapter on bicycle infrastructure. This guide serves as the starting point for the Provincial Design Guide (see Action C-4).
C-7	Review and suggest changes to municipal bylaws to support cycling and bicycle facility design.	On-going	Council approved two bylaw changes in 2013 related to bicycling. The first made bike lanes "restricted lanes" (similar to restricted transit lanes), in that it is prohibited to park or drive other vehicles in them. Council also made it legal for pedestrians to cross a cycle track in order to access parked vehicles adjacent to a cycle track. In 2015, Council relaxed the Stephen Avenue and Olympic Plaza bylaws to allow cycling during daytime hours. The Traffic bylaw was also modified to create multi-use crossings, which is a traffic control device that allows cyclists the same rights and responsibilities as pedestrians have in crosswalks, when they are designated so.
C-8	Review and suggest changes to provincial laws to support cycling and bicycle facility design.	On-going	Staff have been working with Provincial staff on identifying challenges and opportunities through the City Charter process. Proposed changes were shown to the public in late 2017.
C-9	Complete short-term bicycle route improvements as identified in the University of Calgary Area Pedestrian and Bicycle Improvement Project and the Brentwood Station Area Mobility Assessment and Plan.	On-going	New bike lanes have been added on Brentwood Road N.W., 37 Street N.W., 40 Avenue N.W., and Northland Drive N.W. Shared lanes have been added on 37 Street N.W. New bike ramps have been installed to help people access the University LRT Station bridge and the pathway on 37 Street N.W. The Crowchild Trail and 24 Avenue N.W. intersection improvement include bike access with construction. West Campus construction included pathways on some but not all of the major roadways.
C-10	Improve bicycle routes in the city centre based on the Centre City Action Plan Map (Appendix A).	On-going	Bike lanes installed on 9 Avenue S.E., between 4 Street S.E. and the Elbow River Pathway. Intersection improvement complete at 8 Street and 3 Avenue S.W. 7 Street S.W. Cycle Track complete from 1 Avenue to 8 Avenue S.W. in 2013. Centre City Cycle Track network added 12 Avenue S., 8 Avenue S.W./9 Avenue S.E., and 5 Street S.W. in 2015. 8 Street S.W. is also planned to add bike lanes between 8 and 12 Avenue S.W.

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C-11	Implement a public bike share system in the Centre City.	Underway	Bike Share Feasibility and Business Model reports on bike share have been completed. In 2012, Council directed to go with Bike Share operation that is owned and operated by a third party. Council has indicated that no public money be used for the financing of bike share. Staff focused on improving on-street infrastructure in Centre City in recent years but there is now interest from Calgary Economic Development and private companies in launching dockless bike share in Calgary in 2018.
C-12	Plan and implement bicycle route improvements to stations along the West LRT line.	On-going	Several new bikeways complete around Shaganappi, Westbrook and 45 Street S.W. stations, including bike lane, shared lane and neighborhood greenways. Planning for other West LRT stations will be included through Action C-1.
C-13	Explore the creation of a new secure bicycle parking scheme at LRT stations along the West LRT line.	Completed	Short term parking provided at all West LRT stations including some racks that are located under a roof to protect bicycles from rain and snow. Secured bike parking areas will be sought with Transit Oriented Developments along West LRT.
C-14	Plan and implement bicycle route improvements to Saddle Ridge LRT station.	Underway	To be addressed through Action C-1 or when the Transportation Department begins planning of this station.
C-15	Plan and implement bicycle route improvements to Rocky Ridge / Royal Oak and Tuscany LRT station.	On-going	Bike lanes added to Rocky Ridge Road N.W. just north of the station. The Perimeter Greenway also connects across the station. Bicycle parking were added at both station entrances. Further improvements may be identified through Action C-1.
C-16	Plan improvements to bicycle routes in conjunction with new transit hubs (e.g. Southeast Transitways and BRT Network)	On-going	The Green Line planning includes bike/pedestrian improvements around the station areas. These are being approached from two directions, the first is provide maximum opportunity for cycling as a first-last mile connection thereby expanding ridership and users. The second is to ensure continuity of the cycling network around a station area so people cycling can access local and regional destinations. The Southeast BRT project is undertaking the design and engagement for a new bikeway on 19 Avenue S.E. that connects to the new pathway over Deerfoot Trail.

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C-17	Plan improvements to bicycle routes in conjunction with CTP/MDP-aligned work in Activity Centres, Nodes, and Corridors.	On-going	Bikeway improvements included in transportation planning in projects such as Shaganappi Corridor Study, Crowchild Corridor Study, Macleod Trail Corridor Study, 16 Avenue / 19 Street N.E. Interchange Study, 50 Avenue S.W. Corridor Study and the 17 Avenue S.E. Corridor Study (Stoney Trail – City limits). Improvements constructed around U of C, SAIT and Northland Mall Activity Centres. Improvements planned around the Mount Royal University Activity Centre. Construction completed along several corridors.
C-18	Continue to build bicycle route missing links.	On-going	87 km of bikeways have been installed or improved since 2011. In 2017, 19 km were installed or improved.
C-19	Develop a plan and retrofit selected signals with the ability to detect bicycles	On-going	Bike detection added at Northmount Dr/14 St N.W., 8 Av/36 St N.E., 1 St/16 Av N.E., 5 Ave/10 St N.W., 17 Ave/Richmond Rd S.W., 2 St/16 Ave NW, 2 St/20 Ave NW, 5 St/50 Ave SW, 21 St/Kensington Rd N.W., Crowchild Tr/5 Av N.W., Samis Rd/Centre St N., 26 St/Bow Trail S.W., Brentwood Rd and Charleswood Dr N.W., and 26 St/17 Av S.W. Bicycle signals installed at 17 Av/Richmond Road S.W., Edmonton Tr/Memorial Dr N.E. and 1 Ave/4 St N.E.
C-20	Explore the feasibility to include pathways next to existing LRT or BRT right-of-way and protect for pathways next to future LRT or BRT right-of-way by including them in functional and land use plans.	Underway	Initial planning work begun on the Green Line Southeast Transitway with the goal of providing a pathway/bikeway along the 26-km alignment. The pathway has been integrated with existing work to identify key opportunities presented by the Green Line alignment. Ongoing work is being included to ensure that parallel cycling infrastructure exists along the Green Line North alignment, which will leverage the existing road network and current connections. Council has approved the alignment for a pathway to be built parallel to the Red Line between 34 Avenue and 61 Avenue S.
C-21	Continue to offer and further promote the Bicycle Rack Sponsorship Program to install bicycle racks on public land at the request of Calgarians.	On-going	The bike rack sponsorship program has installed 150 short-term bike parking spaces in 2011, 210 in 2012, 190 in 2013, 116 in 2014, 698 in 2015, 436 spaces in 2016, and 128 spaces in 2017 for a total of 3,092 installed spaces since 2002. In addition, Calgary Parking Authority has 233 short and long-term bike parking spaces in their downtown parkades. Calgary Transit has 1,073 bike parking spaces available at their LRT and bus stations.

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C-22	Require showers and lockers for cyclists in employment-intensive areas in new buildings.	On-going	Downtown Land Use District requires new buildings in the downtown core to install bike parking, showers, lockers, changing room, and maintenance room. The District went into effect June 2014.
C-23	Update The City's Bicycle Parking Handbook for the implementation of bicycle amenities such as bicycle parking, lockers and showers.	Complete	Handbook updated. Further updates will happen as time and resources allow.
C-24	Develop strategies for implementing bicycle stations in Calgary.	Underway	Downtown Land Use District permits the development of Public Bicycle Stations as an option to get a density bonus in the downtown core. The District went into effect June 2014.
C-25	Explore ways in which to support and promote bicycle-related programs and services delivered by others.	On-going	Participated in events such as Bike to Work Day, Winter Bike to Work Day, MEC Bike Fest, Sled Island Music Festival, Calgary Folk Music Festival, Bike to School Day, Bike Calgary Bike Awards, Market Collective, Farmers Markets, Alberta Bike Swap, Mayor's Environmental Expo, Safety Expo, Lilac Festival, Inglewood Sunfest, Stephen Avenue and University of Calgary, Mount Royal University, and SAIT events. Increased collaboration with non-profits Ever Active Schools and Two Wheel View. Support community bike festivals requested and as resources allow.
C-26	Monitor the gravel-sweeping of on-street bicycle routes to determine how well the pre-sweeping is working and update practices based on results.	On-going	Bikeways are pre-swept prior to spring clean-up as part of the Winter Sweeping program. New bikeways are added to pre-sweeping list. During Spring Clean-Up bike lanes and cycle tracks are cleaned at the same time the adjacent roadway is cleaned.

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C-27	Develop a new level of service for high quality gravel-sweeping and snow and ice control of on-street bicycle routes in high use / high growth areas.	On-going	Council policy considers all marked bike lanes to be considered priority 2 - cleared within 48 hours of snow fall stopping. Most residential bikeways are considered priority 3 and 4. Some facilities, like Centre City cycle tracks are cleared within 24 hours if the road is designated priority 1. Bikeways downtown are monitored daily throughout the winter and swept as required to eliminate un-necessary material in the lanes. Sweepers are often used for snow removal on cycle tracks allowing the tracks to be free and clear of snow and ice build up and keeping chloride usage to a minimum. Staff continue to monitor both the results achieved as well as input received from the public via social media and the 311 system to ensure that routes are being properly maintained. A winter network map has been developed to educate maintenance staff where trouble spots exist such as on hills or where on-street bikeways interface with pathways or where there are increased cycling volumes.
C-28	Promote the annual roadway pothole repair program to encourage cyclists to report pothole locations on bicycle routes.	On-going	Bicyclists can report a pothole via the new 311 mobile app and through the Pathways and Bikeways App. Program also promoted on social media.
C-29	Maintain bicycle route pavement marking and signs	On-going	Refreshing bikeway pavement markings and signs as required based on Roads asset management requirements. Review of previous project deficiencies on-going. Minimum width of bike lane markings has been increased from 4 to 8 inches to improve visibility of bike lanes. Wayfinding pavement markings are now being used on several bikeways and pathways.

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C-30	Develop and deliver an ongoing bicycle education program for cyclists, motorists and pathway users to help increase understanding and reduce conflicts. Partner with other organizations to deliver the program citywide.	On-going	An education program was developed and implemented for the Centre City Cycle Tracks and Stephen Avenue pilot project. In 2017, the program expanded to focus on providing information, reaching out to Calgarians and starting to build a culture around Complete Streets and Community Improvement projects across the city. In 2017, two summer students were employed as Active Transportation Ambassadors from May to September to educate and encourage road users along the cycle track network and other new bikeways in the city to move together safely. Outreach opportunities including presentations, on-street education, community events, festivals, information booths, and targeted messaging for specific road users provided the platform to increase awareness and reduce conflicts. The Ambassadors connected with over 3,000 Calgarians and visitors in 2017. On-going outreach efforts include encouraging use of bicycle lights, developing how-to guides for our corridors, community presentations, social media campaigns, and webpage updates. The Traffic Tips Guide was revised in 2013.
C-31	Develop bicycle training and education courses and work within The City and with external groups to pilot the courses to a variety of Calgarians.	On-going	Promoted cycling classes offered by external service providers during Bike Month, online via social media and calgary.ca, community boards, community events and partners including Bike Calgary and Two Wheel View. Education rides and session have been held for City of Calgary staff to encourage safe driving around cyclists on six occasions, since 2012. The City also developed and encourages employees to bicycle to meetings via the Pool Bike Program.
C-32	Work with the Calgary Police Service to develop education and enforcement campaigns to ensure that cyclist and motorist behaviour is safe, respectful and adheres to laws.	On-going	The Traffic Safety Education unit within CPS has been dissolved but discussions are still occurring with CPS as it relates to new and unique projects. Continued coordination with the CPS Mountain Bike Unit, CPS Traffic Team and Community Standards for enforcement support around the Centre City remains a priority. The Active Transportation Ambassadors also partnered with CPS to provide on-street education for people walking, cycling and driving along the cycle track network and for projects like the Erin Woods Traffic Calming Pilot.

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C-33	Explore different ways of providing the most up-to-date pathway and bikeway routing information to Calgarians on an ongoing basis.	On-going	Over 25,000 hard copies of the Pathways & Bikeways map have been distributed in 2017. Active Transportation Ambassadors distributed maps to over 35 bike shops and local businesses. Mobile app was updated in July 2015 and is available for iPhone and Android users from the App Store. Nine brochure holders have been installed along the Centre City cycle track network routes and contain 'How-To' information for people walking, cycling, and driving. To date, over 120,000 hard copies have been distributed to Calgarians and visitors. For the East Central Complete Streets Project, information was printed in Vietnamese, Tagalog and Arabic. Infrastructure improvements are shared on Calgary.ca and on The City of Calgary Bicycle Program Facebook page and provide current information about city bike projects.
C-34	Develop and deliver an ongoing bicycle promotion campaign about the benefits of cycling as a fun, healthy, convenient and inexpensive way to travel. Partner with organizations and retailers and seek opportunities to collaborate on common goals to encourage cycling.	Complete	Coordinated with bike community groups for winter cycling festival, hosted a winter bike photo booth which attracted 100 cyclists, promoted and participated in fourth annual Winter Bike to Work Day. Coordinated with various groups from the bike community on the promotion of cycling events during Bike Month (see action C-35). Partnered with the University of Calgary, Mount Royal University and SAIT to offer educational presentations and bike tours for students and staff. Collaborated with Two Wheel View to host a community winter cycling session. Led events with the Erin Woods and Haysboro Community Associations, the Beltline Recreation Centre and the Inglewood Aquatic Centre and supported the 4 Avenue Flyover project in Bridgeland.
C-35	Formalize June as Bike Month in Calgary.	Complete	The Mayor proclaimed June as Bike Month in 2012.
C-36	Host a bicycle event/street festival (Ciclovía/Parkway) in coordination with Canada Day at Prince's Island Park every year as part of developing and encouraging the use of public spaces for the enjoyment of all Calgarians.	Underway	Recreation Department worked with non-profits to hold Ciclovía type event during Canada Day Celebration in 2012. The Bike to the Zoo day event was held the day before Canada Day in 2014, in August 2015, and June 2016. In August, 2016 The City hosted an awareness event to mark the milestone of 1 million bike trips along the cycle track network. In October 2017, The City partnered with the Bowness BIA to host a Halloween themed education and awareness event about the Bowness Road Complete Streets project.

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C-37	Host a "Developing Ciclovía /Parkway Summit" in Calgary in October 2011 in preparation for the 2012 Canada Day Ciclovía /Parkway and invite speakers with experience in developing these events.	Retired	The summit did not occur but some of the new staff hired to help implement the Cycling Strategy have knowledge and experience relating to Ciclovía events.
C-38	Organize and host a pre-conference in Calgary in advance of the international Velo-City cycling conference to be held in Vancouver on June 23–26, 2012.	Complete	Staff has been able to network with colleagues from other jurisdictions at Velo-City 2012 and at several other meetings.
C-39	Explore how to expand The City's scope to further support the Active and Safe Routes to School program in Calgary.	On-going	Active and Safe School Travel group which was formed in 2013 met 5 times since 2014. This has led to the launch of Mayor Nenshi's Walk Challenge. Liveable Streets is currently working with internal and external stakeholders to develop a strategy and program to facilitate Active and Safe Routes to School in Calgary.
C-40	Explore how to support and encourage businesses that use bicycling as a key part of their business or that support employees who ride a bicycle.	On-going	City hosted "Bikes Mean Business" presentations and workshops with bike advocates and business revitalization zone leaders. Getting Around Calgary website launched to help get travel choice information out to the public easier. Outreach done periodically to businesses to promote travel options. In 2017, the Bicycle Program attended events at the University of Calgary, Mount Royal University, Shell Canada, Brookfield Properties, Lavalin SNC and other downtown businesses to educate and encourage staff, students, merchants, and consumers to learn about and try cycling in Calgary.
C-41	Purchase temporary bicycle racks to set up at festivals and events around Calgary to encourage people to cycle.	On-going	City installed temporary bike parking and partnered with several organizations to provide the service at community events including Winter Bike to Work Day, Sled Island Music Festival, Canada Day, Calgary Stampede, Calgary Folk Music Festival, and Bike to Work Day.

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C-42	Investigate best practices and technology for cycling data collection, including automated counting stations and install them in strategic locations.	On-going	<p>The City has researched and adopted many of the best data collection techniques from across North America. In most cases, The City collects bike data using the same techniques as it counts motor vehicles, through cordon counts, manual counts, video camera counts, tube counts and automated counters. The Peace Bridge was the first location to receive an automated counter to count bicyclists in 2014. Since going live in April 2014, over 5.3 million bike and pedestrian trips have been counted there. An automated counter was installed along the 7 Street cycle track. Since going live in December 2014, over 525,000 bike trips have been counted there. Ten more automated counters were installed in June 2015 to help monitor the Centre City Cycle Track Network Pilot. This data is available on the web. Over two million bicycle trips have been counted at the middle of the three cycle track corridors from July 2015 to September 2016. There are now 26 automated counters installed along bridges, pathways and on bikeways. The City has been monitoring the number of bikes during standard intersection counts for several years. The same data collectors also conduct the Annual Bike and Pedestrian Count which is done at 90 locations each summer city wide. At each location, the number of cyclists is tabulated including demographic information in order to monitor long term trends. The 2016 data was summarized into an interactive map. As part of the Central Business District Cordon Count, the total number of bicycles entering and exiting the downtown are counted annually on a weekday in May from 6:00 a.m. to 10 p.m. The number of total downtown bicycle trips increased from 10,003 bike trips in 2011 to over 17,468 in 2017 (an increase of more than 75%). Every three years the Civic Census includes a mode to work question. The 2016 result indicated a doubling of the number of people cycling to work citywide since 2011. Transportation Planning developed travel survey program in 2015 called "My Travel Log" which collects travel behaviour information from Calgary and region households on an on-going basis. In the My Travel Log 2015 survey bicycle mode split for all day, all-purpose trips rose to 2.2%, exceeding the 2020 Cycling Strategy target of 1.5%. This survey also determined that 57% of households in Calgary have at least one bicycle that has been used in the last year.</p>

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C-43	Investigate the inclusion of a question regarding on-street bikeways in the Citizen Satisfaction Survey to update and report on indicator 16 in Table 8-1.	Complete	The Citizen Satisfaction Survey includes a question asking Calgarians their satisfaction with various programs or services. Sixty-four percent of Calgarians state they are “satisfied” with “On-Street Bikeways” in 2017, which was down 1% from 2016. The same survey also asks about the importance of “On-Street Bikeways”. In 2017, the result was 55% “important”, which is down 1% since 2016.
C-44	Investigate conducting periodic telephone surveys to update and report on indicators 17, 18 and 19 in Table 8-1.	Underway	A satisfaction survey was done in 2016 for the cycle track network and Stephen Avenue pilot by IPSOS Reid. The survey of 1,102 Calgarians found 90% of people walking, cycling and driving felt safe; 67% supported the pilot; and 75% said it was important for The City of Calgary to make Calgary a more bicycle friendly city.
C-45	Investigate improvements to bicycle collision reporting format and procedures with the Calgary Police Service and the Government of Alberta.	Underway	Internal stakeholders met three times in 2016 to summarize and outline current issues in bicycle and pedestrian collision reporting forms and processes. Feedback is being summarized and prioritized and will be shared with CPS and Government of Alberta through their Traffic Safety group in 2018.
C-46	Report to Council, Administration and the public on all performance measures on a continuous basis prior to each business planning cycle, beginning with the 2015-2017 business planning cycle.	On-going	Performance measures are reported on as the data comes in. www.calgary.ca/bikedata acts as an information clearing house for data collected related to cycling in Calgary.
C-47	Report yearly to Council on the status of actions identified in the Cycling Strategy.	On-going	This report serves as the update to Council.

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C-48	Dedicate a Bicycle Design Engineer in the Roads business unit to help develop a bicycle design guide, prepare conceptual and detailed designs for on-street bikeways, Complete Streets and other bicycle amenities.	Complete	A Bicycle Traffic Engineer was hired in 2013.
C-49	Dedicate a Bicycle Planner in the Transportation Planning business unit to co-ordinate and plan bicycle route improvements and pilot projects and manage the creation of a new Pathway and Bikeway Implementation Plan.	Complete	A Bicycle Coordinator was hired in 2012.
C-50	Dedicate a Bicycle Education and Promotion Coordinator in the Transportation Planning business unit to develop an ongoing education and promotion program and work with partners on delivering educational messages and promotional events to Calgarians.	Complete	An Active Transportation Education Planner was hired in 2013.