

### Status of Cycling Strategy Actions (as of November 21, 2016)

| Action # | Action Description  | Status   | Comments   |
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| C-1      | Engage key stakeholders in creating a new Pathway and Bikeway Implementation Plan.  | Underway | In June 2016, Council directed Administration to report back through the SPC on Transportation and Transit with a status update of the Pathways and Bikeways Plan in December 2017. Work is underway to analyze network gaps in GIS. An Inter-municipal Pathway Study was completed between The City of Calgary and Rocky View County in 2014 which will help provide input to the plan. A preferred consulting proponent has been selected after a RFP process in 2016. |
| 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 Pathways & Bikeways Mobile app was updated in September 2016. Transportation Planning and Parks are updating the hard copy map for distribution to the public in Q1 2017.   |
| 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 and the City of Edmonton to develop a Provincial Bicycle Design Guide. Working collaboratively will lead to changes to the Alberta Traffic Act and better guidance for municipalities. Anticipated completion in Q4 2017.  |
| 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. Our cycle track designs include bike turn boxes, bike boxes, conflict markings, multi-use crossings, bike signals, and other innovative treatments.  |
| C-6      | Support the development of an updated national bicycle design guide.  | On-going | The Transportation Association of Canada has a new draft design guide that will modernize bikeway design. It is anticipated to be adopted in 2017 and serves as a basis for the Provincial Design Guide (see Action C-4).  |

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| 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. |
| 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.  |
| 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 ramp installed to help access the University LRT Station bridge. The Crowchild Trail and 24 Avenue N.W. intersection improvements include bike access with construction.   |
| 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 pilot (June 2015 to December 2016) includes 12 Avenue S.W., 8 Avenue S.W./9 Avenue S.E., and 5 Street S.W. in 2015. 8 Street S.W. is also planned to have a cycle track between 8 and 12 Avenue S.W. Centre City cycle track network pilot in monitoring and adjustment phase, 100+ project adjustments for all modes and final pilot report prepared for committee in December 2016.           |

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| C-11     | Implement a public bike share system in the Centre City.   | On hold  | Bike Share Feasibility and Business Model reports 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 are focusing on improving on-street infrastructure in Centre City, which will greatly improve the viability and interest in developing a bike share program in the future. |
| 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.                   | On-going | 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.   |          | 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 to 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.                     |

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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 portions of 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. Planning along several corridors underway.   |
| C-18     | Continue to build bicycle route missing links.   | On-going | 69 km of bikeways have been installed or improved since 2011. In 2016 11.1 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 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 approved a pathway parallel to the Red Line north of Glenmore Trail, but the project is not funded. |
| 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, and 436 spaces in 2016 for a total of 2,964 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 events. Coordinated with public libraries to have bike theme displays and information booths during Bike Month. 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. The program focused on providing information, reaching out to Calgarians and starting to build a culture around the cycle track network. In 2016, three summer students were employed as Bicycle Ambassadors from May to September to educate and encourage road users along the cycle track network 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 Bicycle Ambassadors connected with over 32,000 Calgarians and visitors to Calgary through their outreach efforts in 2015 & 2016. On-going outreach efforts beyond the Centre City Cycle Track Pilot network include bike light distribution, how-to guides for unique bike projects, 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 | Continued to promote cycling skills classes and camps with printed and online calendar. Promoted cycling classes during Bike Month in weekly paper, online via social media and calgary.ca, community boards, digital display screens, and through community events and partners including Bike Calgary and the University of Calgary Outdoor Centre. Internally, two education sessions were provided for Calgary Transit operators to strengthen awareness regarding safety for people cycling and driving.   |
| 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 during the cycle track pilot remains a priority. The Bicycle Ambassadors also partnered with CPS to provide on-street education for people walking, cycling and driving along the cycle track network.  |

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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 10,000 hard copies of the Pathways & Bikeways map have been distributed in 2016. 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 cycle track network routes and contain 'How-To' information for people walking, cycling, and driving. To date, over 84,000 hard copies have been distributed to Calgarians and visitors. For the opening of the Bridgeland cycle track on Edmonton Trail, staff hosted a morning pop-up event to provide information to people using the corridor. 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 155 cyclists, promoted and participated in third annual Winter Bike to Work Day. Coordinated with various groups from the bike community on how to promote cycling events during Bike Month (see action C-35). Promoted Bike Month and events at community events, online via social media, community boards, and digital display screens. Hosted the third annual Bike to the Zoo Day in June and attended 15 events to promote Bike Month and cycling in Calgary  |
| 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, The City hosted an awareness event to mark the milestone of 1 million bike trips along the cycle track network. The Bicycle Ambassadors and other City staff were in attendance and provided information to Calgarians. The Ambassadors offered safety tips, answered questions and provided information to encourage people walking, cycling and driving to move together along the cycle track network.   |

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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.   |
| 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 2016, the Bicycle Program attended events at the University of Calgary, Shell Canada and Brookfield Properties 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 the Zoo 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 now 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 4 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 370,000 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 publicly on the web. Over one million bicycle trips have been counted at the middle of the three cycle track corridors from July 2015 to September 2016. In 2016, counters were installed along the Edmonton Trail Cycle Track, 10 Street N.W., and along the Bow River pathway near 11 Street S.W. Parks has also installed several automated counters along regional pathways. 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 Count which is done at 78 locations each summer city wide. At each location the number of cyclists is tabulated including demographic information in order to monitor long term trends. 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 10,000 bike trips in 2011 to over 17,000 in 2016 (an increase of more than 70%). 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. This survey will enable regular reporting of related performance measures (mode split, for example).</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-five percent of Calgarians state they are satisfied with "On-Street Bikeways" in 2016, which is up 4% from last year. The same survey also asks Calgarians how important "On-Street Bikeways" is. In 2016 the result is 56%, which is up 3% from last year. |
| 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 for the cycle track network and Stephen Avenue pilot was conducted to monitor perceptions of the pilot project over time.   |
| 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 2017.   |
| 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 | Action Plan has downtown morning peak, and all day, all purpose mode split as performance measures, and are reported every year. Action Plan will also report on collisions involving vulnerable road users, which includes cyclists and this will be reported annually.  |
| C-47     | Report yearly to Council on the status of actions identified in the Cycling Strategy.   | On-going | This report and appendix 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. |