October 15, 2015
7:00 p.m.
Council Committee Room, 4th Floor, City Hall

Members:  Kevin Montgomery (Co-Chair)
           Anthony Simone (Co-Chair)
           Alina Grzejszczak
           Stephen Laidlaw
           Dayle Laing
           Patrick McLeavey
           Gaspard Ndayishimiye
           Julius Pokol
           George Shepperdley
           Lisa Stokes
           Pauline Thornham
           City Councillor Jeff Bowman

For inquiries about this Agenda, or to make arrangements for accessibility accommodations for persons attending (some advance notice may be required) please contact:

Shauna Danton, Legislative Coordinator
(905) 874-2116, TTY (905) 874-2130, cityclerksoffice@brampton.ca

Note: Some meeting information may also be available in alternate formats upon request

Note: Please ensure all cell phones, personal digital assistants (PDAs) and other electronic devices are turned off or placed on non-audible mode during the meeting
A. Approval of Agenda

B. Declarations of Interest under the Municipal Conflict of Interest Act

C. Previous Minutes

C 1. Minutes – Cycling Advisory Committee – September 17, 2015

The minutes will be considered by Planning and Infrastructure Services Committee on October 19, 2015 and the recommendations considered for approval by Council on October 28, 2015. The minutes are included on this agenda for information only.

D. Delegations/Presentations

D 1. Presentation by Dayle Laing, Member, re: Brampton Kids on Bikes

E. Reports/Updates

E 1. Verbal updates Henrik Zbogar, Manager, Long Range Transportation Planning, re:

   1. Ministry of Transportation (MTO) Cycling Training Fund Update (File BC.x)
   2. Ministry of Transportation – Ontario Municipal Cycling Infrastructure Program (OMCIP)
   3. City of Brampton Corporate Responsibilities and Active Transportation

E 2. Verbal update from Nelson Cadete, Supervisor, Traffic Operations, re: Curb Depression Update

E 3. Verbal updates from Kevin Montgomery, Co-Chair, re: 2015/2016 Cycling Advisory Committee Work Plan

E 4. Verbal update from Pauline Thornham, Member, re: Cycling Education in Curriculum Motion
AGENDA
Cycling Advisory Committee

F. **Active Transportation Ideas**
   1. Infrastructure
   2. Policy
   3. Programs

G. **Other/New Business/Information Items**
   G 1. Committee discussion at the request of Kevin Montgomery, Co-Chair, re: **Formation of Four Subcommittees: Infrastructure, Policy, Programs, and Events Fundraising**

H. **Future Agenda Items**
   Items to be considered at future Committee meetings include:
   - Staff update on City bicycle stands

I. **Correspondence**

J. **Question Period**

K. **Public Question Period**
   15 Minute Limit re any item discussed as part of this agenda.

L. **Adjournment**
   Next Meeting: Thursday, November 19, 2015, at 7:00 p.m.
Cycling Advisory Committee
Committee of the Council of
The Corporation of the City of Brampton

September 17, 2015

Date: October 15, 2015

Members Present: Kevin Montgomery (Co-Chair)
                Anthony Simone (Co-Chair)
                Alina Grzejszczak
                Stephen Laidlaw
                Dayle Laing
                George Shepperdley
                Lisa Stokes
                Pauline Thornham
                City Councillor Jeff Bowman

Members Absent: Patrick McLeavey
                Gaspard Ndayishimiye (regrets)
                Julius Pokol (regrets)

Staff Present: Planning and Infrastructure Services Department:
               John Spencer, Manager, Parks and Facilities Planning
               Nelson Cadete, Supervisor, Traffic Operations
               Andria Oliveira, Policy Planner, Transportation and
               Infrastructure

               Corporate Services Department:
               Shauna Danton, Legislative Coordinator
The meeting was called to order at 7:10 p.m. and adjourned at 9:10 p.m.

A. **Approval of Agenda**

The following motion was considered.

CYC031-2015 That the agenda for the Cycling Advisory Committee Meeting of September 17, 2015 be approved as amended as follows:

To add:

H 1. Correspondence from Ranjana Mitra, Executive Director, Community Environment Alliance, dated September 16, 2015, re: Bike4Kids/Youth

Carried

B. **Declarations of Interest under the Municipal Conflict of Interest Act** – nil

C. **Previous Minutes**

C 1. Minutes – Cycling Advisory Committee – August 20, 2015

The minutes were considered by Planning and Infrastructure Services Committee on September 21, 2015 and the recommendations approved by Council on September 30, 2015. The minutes were included on this agenda for information only.

D. **Delegations/Presentations** - nil

E. **Reports/Updates**

E 1. Verbal update from Kevin Montgomery, Member, re: **Work Plan Subcommittee Update**

Committee consideration of the matter included:

- Work Plan subcommittee vision: achieving bronze status with the Share The Road Coalition in the City of Brampton
- Cycling events and educational programs
- Prioritizing work plan, goals, and next steps
- Suggestions for possible budget requirements
In response to questions from Committee, staff noted that a 2016 budget will be drafted and presented to Council for consideration during budget deliberations. Committee input is welcome and encouraged.

The following motion was considered:

CYC032-2015 That the verbal update from Kevin Montgomery, Member, to the Cycling Advisory Committee Meeting of September 17, 2015, re: Work Plan Subcommittee Update be received.

Carried

E 2. Verbal update from Andria Oliveira, Policy Planner, Transportation and Infrastructure, Planning and Infrastructure Services, re: Ministry of Transportation Cycling Training Fund Application

Andria Oliveira, Policy Planner, Transportation and Infrastructure, provided an update on the status of the cycling training fund application. Ms. Oliveira noted that the application was submitted on the Committee’s behalf and a response from the Ministry is anticipated by the end of September. Staff will provide Committee with an update when a response is received from the Ministry of Transportation.

The following motion was considered:

CYC033-2015 That the verbal update from Andria Oliveira, Policy Planner, Transportation and Infrastructure, Planning and Infrastructure Services, to the Cycling Advisory Committee Meeting of September 17, 2015, re: Ministry of Transportation Cycling Training Fund Application be received.

Carried

F. Active Transportation Ideas

1. Infrastructure

2. Policy

3. Programs

   a. Committee discussion at the request of Lisa Stokes, Member, re: Bramalea Cycle-Fest

Committee consideration of the matter included:
• Supporting and hosting cycling events such as Bike the Creek and Bramalea Cyclefest
• Creating cycling events such as ward or community rides
• Recommending the City join Bike Challenge.ca (an online cycling challenge that anyone may join);
• The founder of Bike Challenge is willing to donate a Brampton specific website, and assist with administration of the event
• Inclusion of cycling events in the Committee Work Plan
• Possible sponsorship and budget requirements
• Applying for provincial funding to be used towards hosting events
• Member involvement and volunteering at community cycling events

Stephen Laidlaw, Member, volunteered to contact the founder of Bike Challenge and research the requirements for hosting the online event.

The following motion was considered:

CYC034-2015 That Stephen Laidlaw, Member, research the requirements for hosting Bike Challenge.ca, an online community cycling challenge, and report to Committee at a future meeting.

Carried

G. Other/New Business/Information Items - nil

H. Correspondence

H 1. Correspondence from Pauline Thornham, Member, re: Motion for the Provincial Government re: Cycling Education

Pauline Thornham, Member, requested that the motion be approved by Committee and forwarded to the Ministry of Education of Ontario.

Committee consideration of the matter included consensus to refer the matter to staff to report to Committee at a future meeting with further information and a recommendation.

The following motion was considered:

CYC035-2015 1. That the correspondence from Pauline Thornham, Member, to the Cycling Advisory Committee Meeting of September 17, 2015, re: Motion for the Provincial Government re: Cycling Education be received; and,
2. That the proposed motion outlined in the subject correspondence be referred to staff for review and report back to a future Committee meeting.

Carried

H 2. Correspondence from Nelson Cadete, Supervisor, Traffic Operations, Planning and Infrastructure Services, dated July 20, 2015, re: Bicycle Facilities Implementation Plan – McMurchy Avenue (File BC.x)

Committee requested that staff consider implementing parking restrictions on roads where surface parking may block cycling lanes.

The following motion was considered:

CYC036-2015 That the correspondence from Nelson Cadete, Supervisor, Traffic Operations, Planning and Infrastructure Services, dated July 20, 2015, to the Cycling Advisory Committee Meeting of September 17, 2015, re: Bicycle Facilities Implementation Plan – McMurchy Avenue (File BC.x) be received.

Carried

H 3. Correspondence from Ranjana Mitra, Executive Director, Community Environment Alliance, dated September 16, 2015, re: Bike4Kids/Youth

Chaya Chengappa, Community Environment Alliance, stated that the Community Bike Centre Brampton and the Bike4Kids program hosts events with the purpose of increase cycling awareness and education among children. Safety skills, nutrition lessons, and nature rides are offered by the Community Bike Centre, and donated and refurbished bicycles are given to children who are less fortunate. Ms. Chengappa requested that Committee consider donating to the centre or CanBike certified members volunteer at future events.

Committee noted that currently there are no members that are CanBike certified, and requested that the City offer the certification program through Parks and Recreation (Public Services Department).

Staff noted that the request will be forwarded to appropriate staff for consideration.

The following motion was considered:
CYC037-215 That the correspondence from Ranjana Mitra, Executive Director, Community Environment Alliance, dated September 16, 2015, to the Cycling Advisory Committee Meeting of September 17, 2015, re: Bike4Kids/Youth be received.

Carried

I. **Future Agenda Items**

Items to be considered at future Committee meetings include:

- Staff update on City of Brampton Active Transportation Roles and Responsibilities
- Staff update on bicycle stands
- Member presentation on Kids on Bikes

J. **Question Period**

In response to questions from Committee, staff provided details on municipal and provincial cycling infrastructure requirements.

K. **Public Question Period**

In response to a question from a member of the public, staff stated that municipal path and trail signage is under review.

L. **Adjournment**

CYC038-2015 That the Cycling Advisory Committee do now adjourn to meet again on Thursday, October 15, 2015, at 7:00 p.m., or at the call of the Chair.

Carried

Kevin Montgomery, Co-Chair

Anthony Simone, Co-Chair
Brampton Kids on Bikes
Active Transportation to School for Brampton & Region of Peel

Heart & Stroke Advocacy Grant
Research to mobilize community to make significant sustainable change supporting increased access to physical activity for children - Sept/14
Review of Literature


The road map is already done!

Metrolinx, Stepping It Up – Final Report: Making Active and Sustainable School Transportation a Priority in the Greater Toronto and Hamilton Area, June 2012
Brampton Kids on Bikes Project

Current Physical Activity Levels

- 84% of kids 3-4
- 7% of kids 5-11
- 4% of kids 12-17

get 60 minutes / day
moderate to vigorous physical activity

2014 Active Healthy Kids Canada Report Card
(now run by Participaction)
Overweight / Obese
Peel grade 7-12 Students

- 37% of boys
- 27% of girls

Student Health Survey by Peel Public Health (2011), who measured heights and weights of more than 7,500 Peel students.

Link to Disease

• Heart & Lung Disease
  - 7,006 new cases of heart disease / year in GTHA
  - 1/3 boys & almost 1/2 girls Peel Gr. 9 students failed their cardiorespiratory fitness scores

• Type II Diabetes -- "an economic tsunami"
  - 57,000 new cases of diabetes / year

1. Improving Health by Design, GTHA Medical Officers of Health, 2014 pp.9-10
2. Changing Course, Peel Region Health Study, 2012 p.11
Health of our Children & Us...

"We have engineered physical activity out of our daily lives. Until we engineer it back in, we will continue to have a health problem as a consequence"

Dr. David Mowat, Peel Medical Officer of Health, 2014

Air Pollution

• "Group 1 carcinogenic to humans" (IARC 2014)
• Particularly susceptible: young kids, elderly, pregnant women, & those with heart disease, asthma, chronic obstructive pulmonary disease, obesity & diabetes

(Peel Region, 2014)
"Communities in the GTA must begin encouraging a significant shift from cars to transit and active transportation. Otherwise, by 2031, road capacity, including currently built and new infrastructure, will handle less than 40% of the projected vehicle demand."

(Nick Poulous, Transit and Transportation Planning Consultant, 2014)

Brampton Kids on Bikes Project

School Drop off Congestion

"school administrators and staff spend an average of 30 minutes each school day managing car traffic at their school."

Metrolinx. Stepping It Up Project:
Qualitative Data from Pilot School Administrators, 2012
Brampton Kids on Bikes Project

School Transportation Trends

- Of work & school trips:
  - 53% were shorter than 7 km
  - 18% were less than 2 km,
  - 81% were taken by car!

(Peel Long Range Transportation Plan update 2012)
Active Transportation for Physical Activity Goals

"Driving our kids to and from school may be robbing them of an important source of daily physical activity." (Healthy Kids Canada Report, 2014)

Costs to all of us...

- Healthcare Medical costs
- Productivity – our time!
- Road maintenance, Construction
- Environmental cost
- Insurance rates
Academic Performance

"the exercise you get from transporting yourself to school reflects on your ability to concentrate for about four hours into the school day"

"as a third-grade pupil, if you exercise and bike to school, your ability to concentrate increases to the equivalent of someone half a year further in their studies"

Professor Niels Egelund, Aarhus University, Denmark
Danish Project Mass Experiment, 2012

active kids learn better

physical activity at school is a win-win for students and teachers

GRADES: 20% more likely to earn an A in math or English
STANDARDIZED TEST SCORES: 6% increase over 3 years
JUST ONE PHYSICALLY ACTIVE LESSON CREATES: 13% increase in students' physical activity for the week 21% decrease in teachers' time managing behavior

physically active kids have more active brains

BRAIN SCANS OF STUDENTS TAKING A TEST:

after 20 minutes of sitting quietly
after 20 minutes of walking

Red areas are very active; blue areas are least active

MORE RESULTS:

after 20 minutes of physical activity:
students tested better in reading, spelling & math and were more likely to read above their grade level

after being in a physically active afterschool program for 9 months:
memory tasks improved 16%

Learn more about why active kids learn better and how schools can help at activelivingresearch.org/activeeducationbrief.
"Physical activity is a powerful intervention. It has benefits as large as those provided by drugs in preventing death in the treatment of coronary heart disease, stroke, heart failure and the prevention of diabetes."
(The Medical Officers of Health for GTHA, 2014)

Lifelong Habits for Learning & Positive Behaviour

"Experiences such as biking and walking to school, may increase the odds of children and adolescents forming lifelong habits for learning and for positive behaviors."
Cycling Risk in Perspective

- Traffic deaths, (normalized per 15,000 km)
  - 1 cycling fatality
  - 44 auto fatalities
  (Peel Region 3-year study, 2004–2007)
"Stranger-danger" or "Creepers"
Risk Management vs. Risk Avoidance

"A child is vastly more likely to have a heart attack [than be abducted by a stranger] and child heart attacks are so rare that most parents (correctly) never consider the risk"

(Gavin de Becker, security consultant, Protecting the Gift: Keeping Children and Teenagers Safe (and Parents Sane), 2000)

Active Transportation...

Benefits outweigh Risks 9:1 to 96:1

(Teschke et al. UBC, (review of scientific literature), 2012)
Brampton Kids on Bikes Project

Cultural Norm Shift

"A few parents that had encouraged their children to walk to school noted disapproval from other parents; they were seen to be acting in an irresponsible manner."


"Good parents allow Active Transportation"

HEARTS & STROKE FOUNDATION

Metrolinx's GTHA ASST (active & sustainable school transportation)
Regional HUB Committee

- The Big Move, 2008
  - "60% of children will walk or cycle to school by 2031"
- Coordinated regional action on ASST throughout GTHA is key step to advancing progress
- Regional HUB – outcome of ASST Strategy Roadmap
- Facilitates connections
- Shares best practices
- Strategic planning, monitoring & evaluating
- Cross-promotion
Brampton Kids on Bikes' Dec 4, 2014
"Solving Peel Physical Inactivity Health Crisis through Active Transportation" Workshop

- Childhood inactivity is a serious issue
- ASST can help re-engineer daily youth activity
- Current actions are inadequate
- Strategy:
  - Top down
    - Provincial Mandate, Municipal by-laws
  - Bottom up
    - Create more awareness
    - Expand STP (school travel planning) through PSARTS (Peel Safe & Active Routes to Schools) sub-committee

Brampton Kids on Bikes' Apr 20, 2015
"Moving Peel Kids Safely Workshop"

- 35 people (12 Stakeholder Groups):
  - Peel Health
  - Peel Active Transportation Brampton School Safety Council
  - Brampton Transportation Planning
  - Brampton Community Programs
  - Brampton Traffic Engineering
  - Brampton Safe City
  - Peel Police Youth Education
  - Eco-schools Ontario
  - Dufferin Peel Catholic School Board Student Success
  - Peel District School Board Health Wellness and Safety
  - Mississauga Active Transportation
Top-down Strategy: to improve School Boards & Peel Public Health AT Policies

- Delegations to:
  - Peel Regional Council, May 14, 2015
  - Peel District School Board, May 26, 2015
  - Dufferin-Peel Catholic District School Board, June 8, 2015
- Meeting with Peel Acting Medical Officer of Health, June 19, 2015 (follow-up scheduled for November)

PSARTS – Peel Safe & Active Routes to Schools Committee

"School Travel Planning is an effective tool to positively impact school travel choices"
(Metrolinx, School Travel Planning in Action in Ontario: Successes and Lessons in Active and Sustainable School Transportation, 2013)
School Safety Committee
Since Apr 1, 2015

• Partners:
  – Peel District School Board, Dufferin-Peel Catholic District School Board, Peel Region Police, Region of Peel, City of Brampton, City of Mississauga, Brampton School Traffic Safety Council, Safe City Mississauga, IBC/BAC, CAA and Bike Brampton

Walk & Bike to School in Peel

Four YouTube Videos:
International Walk to School Day
Oct 7, 2015

Dufferin-Peel Catholic District School Board
22 Division - St. Ursula Elementary
21 Division - Good Shepherd
Peel District School Board
22 Division - Queen Street Public School
21 Division - Mountain Ash Public School

Requested BCAC Motions

- Assign member to participate in PSARTS Committee
- Incorporate STP (school travel planning) into BFIP
- Identify & prioritize high risk areas around schools for BFIP (bicycle facilities implementation program)
  - Better infrastructure (on-road marked bike lanes or bike routes) reduces accident risk by 50%
- Request to Peel Police for enforcement of bike lane blockages during school rush
- Budget for Safe & Active Routes to Schools signage & pavement markings (little feet or bikes)
September 21, 2015

Dear Mr. Zbogar:

I am pleased to let you know that City of Brampton’s application for $2,932.35 of funding for a cycling instructor training project has been accepted.

Please note that the Cycling Training Fund Application Guide, City of Brampton’s application form and this confirmation letter constitute a legally binding Contract between City of Brampton and the Ministry of Transportation.

In accordance with the Cycling Training Fund, please provide an invoice to the Ministry of Transportation for $2,932.35 and a final report using the form provided by the Ministry within sixty (60) days of the completion of the project and no later than March 1, 2016. As part of the final report, you will need to provide itemized copies of all invoices or receipts showing details of the expenses incurred. Payment will be issued once the Ministry has confirmed that all the requirements have been met.

If you have questions please call 1-844-637-6464 and a member of our staff can assist you.

Sincerely,

Scott Pegg
Director, Transportation Policy Branch
Recommendation for a Motion to the Ontario Ministry of Education re Cycling Education

Whereas approximately twenty per cent of morning car traffic is composed of children being driven to school, causing increased congestion, collision and insurance rates;¹

Whereas congestion and accidents use excessive amounts of police, city traffic control, and school administration time²;

Whereas vehicular emissions cause about a 34% (2012)³ of Ontario’s greenhouse gas production;

Whereas reduced congestion would reduce road construction⁴, maintenance and repair costs⁵, as well as easing parking lot congestion and safety of students in school zones;

Whereas reduced congestion would reduce air pollution⁶ in school zones, enhancing the health of students and staff, thus improving healthcare⁷ and employee benefit costs;

Whereas only four to seven per cent of Canadian school-age children and youth receive the requisite one hour per day of moderate to vigorous physical activity, down from eighty-four per cent of preschool children⁸;

Whereas studies have shown that active transportation to school increases brain activity for up to four hours⁹, and increases academic performance¹⁰ and decision-making opportunities;

Whereas cycling safety training will make cycling to and from school safer, increase rider confidence and therefore increase the level of ridership, making cycling the "normal" option of student transportation to and from school¹¹;

Therefore, the Brampton Cycling Advisory Committee recommends that the Council of the City of Brampton ask the Ministry of Education to adopt mandatory cycling education in the Ontario Elementary and Secondary School Curriculums, on a graduated basis, integrated with existing curriculum, from grade one to grade ten, including both safety and skills training.

¹ Region of Peel. The Region of Peel’s Active Transportation Study – Active Transportation Plan, IBI Group, November 2011, p.41 http://walkandrollpeel.ca/projects/pdf/TTR-ATplan-part1-final-v2-2011-11-23v2.pdf

Cycling Advisory Committee
Date: October 15, 2015

9 Vintner D. Children who walk to school concentrate better, Science Nordic, November 30, 2012 http://sciencenordic.com/children-who-walk-school-concentrate-better


September 30, 2015

Mr. Henrik Zbogar
Manager, Long Range Transportation Planning
Planning & Infrastructure Services
2 Wellington Street West
Brampton, Ontario L6Y 4R2

Dear Mr. Zbogar:

Thank you for your Expression of Interest (EOI) for the Ontario Municipal Cycling Infrastructure Program (OMCIP). I am pleased to inform you that your project was short-listed to be considered for OMCIP funding.

The Province received 144 (EOIs) from all regions of Ontario. The selection process was quite challenging given so many worthy projects. An evidence based approach was used to evaluate and identify projects that best met the program objectives of increasing connectivity, improving cyclist safety, innovation, partnerships, strategic importance, cost effectiveness, tourism and feasibility.

Please complete the attached application form and submit it with the appropriate supporting materials by Friday, November 27, 2015 at 5 p.m. MTO also plans to hold an information session to answer any outstanding questions you may have. Please contact ministry staff by email at omcip@ontario.ca if you would like to participate or have any additional questions regarding the application.

Thank you again for your interest and commitment to improve cycling infrastructure for your community.

Sincerely,

Kathryn McGarry, MPP
Parliamentary Assistant to the Minister of Transportation
Overview

The Long-Range Transportation Planning section is responsible for the development and maintenance of a comprehensive transportation planning strategy that supports the appropriate development of the City and that promotes orderly growth. Key functions of the LRTP section include:

- Developing, monitoring, maintaining, and updating the City's Transportation & Transit Master Plan to address current and future transportation needs and to guide planning initiatives required for growth in developing areas of the City through the implementation of a multi-modal, city-wide transportation network, including roads, transit, goods movement, and active transportation connectivity;
- Maintaining a planning information statistical database for planning & development, infrastructure, and growth management, and integrating with the City's computerized transportation planning model;
- Leading transportation and transit planning programs and studies for the purposes of reviewing and implementing Official Plan policy, Secondary Plans, and Block Plans;
- Providing input to the City's Capital Budget forecasting and Development Charges processes for transportation-related infrastructure.

Lead

- Henrik Zbogar, Manager, Long Range Transportation Planning

Project Examples:

- Transportation Master Plan
- Active Transportation Master Plan
- Coordination of Cycling Advisory Committee and AT Coordinating Committee
- Interim Active Transportation Strategy (2015-2017)
- Transportation Demand Management (TDM) Action Plan
- Collaborate on Regional Active Transportation/TDM initiatives
- Smart Commute Brampton-Caledon/ Brampton Employee Trip Reduction Program
- Official Plan Review, Secondary Plan transportation studies
- Representation on provincial and regional planning projects and committee teams
Overview

Parks and Facility Planning have the primary responsibility relating to multi-use trail infrastructure outside of road rights-of-way. This includes identification and funding of new trails either through the development approvals process or through city initiated capital development.

Lead
- John Spencer, Manager, Parks and Facility Planning

Project Examples:
- Pathways Signage and Trails Audit (2015)
- Updating of Official Plan-Pathways Section
- “Recreational” Trails Signage retrofits
- Recreational Trail AODA Compliance
- Block Plan/Development Review (new off and on-road AT Infrastructure)
- Pathways Promotion and Branding (e.g. Update of Pathways Map (2016))
Section: Capital Parks Construction
Division: Engineering and Development Services Division
Department: Planning and Infrastructure Services Department

Overview
This section has the primary responsibility around the design and construction of off-road trails. This includes identification, funding, designing and constructing new paths either through the development approvals process or through city initiated capital development.

Lead
• Steve Bodrug, Acting Manager, Capital Parks Construction

Project Examples
• Claireville Rec. Trail – Cottrelle/Queen
• Connection to Etobicoke Creek – Truman to Centre Street (Peel Memorial)
• Claireville Red. Trail – Burles Hollow (Castlemore/Goreway)
• Fletcher’s Creek Rec. Trail Extension (under 407)
• Fletcher’s Creek- North of Bovaird
• Fletcher’s Creek Trail – network improvements
Overview
The Capital Works section is primarily responsible for the planning and construction of all capital road projects which may also include sidewalk and multi-use paths within the City's right of way. These responsibilities include an Environment Assessment process which identifies the project scope and identifies funding, design and construction requirements. Capital Works is also responsible for the design and construction for all capital repairs/replacement of any park trail bridges.

Leads
- Chris Duyvestyn, Manager, Infrastructure Planning
- Tim Kocialek, Manager, Engineering
- Brad Conklin, Manager, Construction
Planning and Infrastructure Services

Section: Roads Maintenance and Operations
Division: Public Works
Department: Planning and Infrastructure Services Department

Overview:
The Roads Maintenance and Operations Section of the Public Works Division is responsible for the maintenance of the City’s transportation and storm water infrastructure through its Road Operations, Contracted Services, and Traffic Services groups to accommodate the safe and efficient movement of vehicular, bicycle and pedestrian traffic.

Leads
- Craig Kummer, Manager, Traffic Services
- Ken Laupe, Manager – East Side, Road Operations
- Ed van Ravens, Manager – West Side, Road Operations

Project Examples:
- Winter maintenance program (including bike lanes on city roads and multi-use paths within city and regional road allowance);
- Pre-planned maintenance - construction (road rehabilitation);
- Routine preventative maintenance programs (sweeping and flushing);
- Emergency maintenance (sidewalk/MUP and road repairs);
- Retrofit of cycling infrastructure along existing roadways (BFIP);
- Neighbourhood Traffic Management Guide (Traffic Calming Program);
- Administration of the traffic by-law (including lane designations, speed limits, etc.);
- Implementation and maintenance of traffic signs, pavement marking, roadway lighting and traffic control signals;
Overview
The three sections of Parks Maintenance and Operations are responsible for preventative maintenance and minor capital repairs to parks infrastructure. The maintenance group performs winter work on park recreational trails, including snow removal, and ice control. Spring and summer work performed by this group includes sweeping of asphalt surfaces, and minor repairs to trails and other park infrastructure. Larger capital projects are coordinated with Engineering Services. The Asset and Infrastructure Group performs inspections on park infrastructure including recreational trails. Central Services performs maintenance on horticultural displays and urban forests and other related tree concerns.

Leads
- Jim Pitman, Manager, Parks Maintenance and Operations
- Ed Fagan, Acting Manager, Assets and Infrastructure
- Gary Linton, Manager, Central Services (Horticulture, Forestry, Cemeteries)

Project Examples

Parks Maintenance
- Spring sweeping program
- Preventative maintenance on park infrastructure
- Winter maintenance program

Assets and Infrastructure
- Playground retrofits
- Inspection of park infrastructure
- Recreational Trail resurfacing (coordinated with Engineering Services)

Central Services
- Management of city owned trees
- Horticultural displays
Curb Depression Update (E.2.)

Curb Depressions at Uncontrolled Crossings

City of Brampton Cycling Advisory Committee
Thursday October 15, 2015

Nelson Cadete, Traffic Operations Supervisor
Roads Maintenance and Operations
Background

Controlled crossing:

- Pedestrian cross-overs;
- Stop signs;
- Yield signs; or,
- School crossings under the supervision of a crossing guard.

Uncontrolled crossing:

“where pedestrians must wait for a safe gap in traffic, sufficient for them to cross, prior to attempting to enter the roadway.”
Background

Current City Policy – depress curb at controlled crossings only

Risk/Liability:
• curb depressions provide uninterrupted flow for trail/sidewalk users to enter the roadway
• false sense of security provided to pedestrian/cyclist
• risk exposure greatest for less experienced cyclist
Background

Review of Pedestrian and Cycling Roadway Crossings:

- Existing practices/standards
- AODA – Integrated Accessibility Standards
- OTM Book 18: Bicycle Facilities
- OTM Book 15: Pedestrian
New/ Revised Standards:

- Signalized Intersections (MUP and Sidewalk)
- Midblock Pedestrian Signals
- Stop Controlled Intersections
- School Crosswalks
- Mid-block PXO – Low Volume Roads*
- Mid-block Multi-use Trail Crossing
- Access Points to Park Trails (No Crossing)
- Street-to-Street Sidewalks
First Steps (Low Risk):

- Signalized Intersections (MUP and Sidewalk)
- Midblock Pedestrian Signals
- Stop Controlled Intersections
- School Crosswalks
- Mid-block PXO – Low Volume Roads*
- Mid-block Multi-use Trail Crossing
- Access Points to Park Trails (No Crossing)
- Street-to-Street Sidewalks
School Crosswalks

Flower City is our heritage. City-building is our business.
School Crosswalks

Flower City is our heritage. City-building is our business.
Access Points to Park Trails/Street-to-Street
Access Points to Park Trails/Street-to-Street
Access Points to Park Trails/Street-to-Street

Scope:

• not a crossing
• 8.0 metre wide local residential road
• speed limit 50 km/hour or less
• low volume road (8 hour less than 750 vehicles)
• clear sightlines
• no existing crossing within 100 metres
• Recommended control/warning devices
Next Steps

“...review current practices and develop a number of revised standards that will define the location and design of all active transportation crossings.”