



Cycling and Pedestrian Advisory Committee (CPAC)

2016 Review/2017 Business Plan

Presentation to
Development Services Committee
May 8th, 2017



CPAC OVERVIEW

- Mandate: “Represent interests of cyclists and pedestrians in Markham, focusing on their needs and priorities, providing advice and support to the City on infrastructure, education/outreach and research, and bring these interests to attention of appropriate staff, department or standing committee of Council”
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- Membership – up to 20 members, supported by staff from Engineering
 - Currently 16 citizens, 5 agencies, 2 councillors
 - Chair: David Rawcliffe, Vice Chair: Peter Miasek
- Monthly meetings open to public



BUILDING MARKHAM'S
FUTURE TOGETHER



1. 2016 CPAC ACHIEVEMENTS

1.1 Engineering

1.2 Encouragement

1.3 Education

1.4 Evaluation

1.5 Enforcement

1.6 Road Safety Plan

(Detailed 2016 Metrics attached after 2017 Plan)

1. 2016 CPAC ACHIEVEMENTS

1.1 Engineering:

- Dealing with the Network Gaps
 - 6 cycling network gaps addressed through signage/sharrows (8 km); other gaps remain
 - 3 intersections approved for feasibility study on improved signage/markings for cyclists
 - 4 km infill sidewalks were constructed to reduce pedestrian gaps, largely in industrial areas
 - Reviewed staff work plan to develop infill sidewalk policy
- Multi Use Pathways (MUP)/Cycling on Sidewalks
 - Supported continued construction of Rouge Valley Trail
 - Endorsed York Region's Lake to Lake project
 - Developed engineering feasibility plan for 6.8km MUP on John Street (Bayview-Rodick)
 - Extensive discussion on 2016 Council request to review utilization of sidewalks for cycling
 - CPAC unable to develop recommendation for or against
 - Status quo remains (not permitted for wheels > 24" per 1971 bylaw)
- Future Developments
 - Reviewed EAs and Project Designs (16th Ave, Bayview, Cathedraltown)

1. 2016 CPAC ACHIEVEMENTS

1.2 Encouragement

- Jane's Walks May 6-8 – Markham Heritage Estates, Thornhill, Markham Main Street
- Bicycle valet service at 5 festivals- 312 users
 - Unionville, Markham, Thornhill, Taste of Asia, Canada Day
 - Existing contractor has wound up operations – will require different service delivery approach in 2017
- Successful second Markham Cycling Day, Sept 25, Civic Centre
 - 9th annual Markham Giro (children races) + 2nd Tour de Markham (10, 25, 50 km family rides)
 - 800 participants, 1000 attendees, 2 sponsors, 9 exhibitors, 70 volunteers
 - Corp. Comm. provided solid support despite abrupt staff change in July
 - D'Ornella Cycling Club withdrawing volunteer support for 2017. More pressure on CPAC and staff
- York Region sponsored Bike Month (June)

1. 2016 CPAC ACHIEVEMENTS

1.3 Education:

- York Region published Cycling Tour Map and Cycling Year Handbook
- York Region conducted Youth Bike Council and Bike Fest (training for students)
- CPAC presented on cycling safety at public forum in May

1. 2016 CPAC ACHIEVEMENTS

1.4 Evaluation

- 29 metrics to measure our progress. Key findings:
 - Engineering
 - Modest growth in km cycling and facilities 2015 to 2016. Now over 230 km
 - 4 km of infill sidewalk constructed
 - Usage/education/awareness
 - Bicycle rack availability at indicator locations up 27% from previous year; usage up 2%
 - Injuries/Fatalities – see Road Safety Plan
- York Region measured Highway 7 Active Transportation usage
 - Continued high prevalence of sidewalk cycling lead to conclusion that more separation of cycling and vehicles needed, eg. curbs, bollards



1. 2016 CPAC ACHIEVEMENTS

1.5 Enforcement

- Requested staff report on prohibiting parking in bike lanes
- Council referred matter back to staff for further report (September, 2016)

1. 2016 CPAC ACHIEVEMENTS

Road Safety Plan

- Serious injuries for pedestrians/cyclists in Markham have increased/stayed flat over past 10 years, in contrast to auto drivers (significant drop)
- Reviewed Toronto's \$60M 5-year road safety plan
- York Region conducting annual review of collisions on Regional roads and will maintain multi-year action plan at identified hotspots:
 - Yonge, Highway 7 and McCowan are worst corridors for pedestrians
 - Kennedy corridor worst for cycling
- Markham initiatives:
 - Evaluating "no right turn on red" at certain intersections
 - Supporting York Region advocacy for automated speed enforcement ("photoradar") in Community Safety Zones
 - Purchasing more speed display signs (will be 3 per ward)
 - Enhanced education program with YRP and York Region
- CPAC recommended that Markham adopt "vision zero" – York Region evaluating

2. 2017 PLAN

Situation Analysis

2.1 Engineering

2.2 Encouragement

2.3 Education

2.4 Evaluation

2.5 Enforcement

2017 Budget

2. 2017 PLAN

Situation Analysis

- Active Transportation is a vital component of Markham's future transportation system
- CPAC members are very concerned that AT progress in Markham is inadequate
- Current external assessments of AT in Markham are not flattering:
 - *Toronto Centre for Active Transportation (2015)*– good OP policies, but details and monitoring poor
 - *MoneySense magazine (2014)* – bottom third of GTA edge cities in cycling mode share
 - *Walk Friendly Ontario (2012)* – honourable mention (2012)
 - *Share the Road Cycling Coalition (2011)*– bronze award (2011)

2. 2017 PLAN

Situation Analysis

- This is consistent with our own observations that City needs more focus and resources in AT:
 - Cycling Master Plan (2007), Pedestrian/Trails Master Plan (2009), Five Year Implementation Plan (2010) behind schedule and needs prioritization
 - No formal progress monitoring program
 - Signage on MUPs 5 years behind schedule!
 - Engineering staff faces heavy workload and competing priorities
- CPAC has stepped into the breach with ad-hoc programs, which is certainly not ideal:
 - Gaps Committee – in lieu of structured review of earlier plans
 - Metrics Committee – in lieu of structured performance monitoring
 - CPAC Wiki – in lieu of proper website
 - Leading rather than supporting Markham Cycling Day (contradicts mandate)

2. 2017 PLAN

Situation Analysis

- In contrast, York Region is increasing AT effort
 - Full time staff, updated master plan, design standards, website, surveys, monitoring, publications
 - Further increase in AT effort possible if when Region assumes jurisdiction for boulevard elements on arterial roads
- Recommendations to improve effectiveness
 - Increase Engineering staff resources for AT support ASAP
 - Review 2010 Implementation Plan for projects to take forward into 2018 Budget
 - CPAC to work closer with York Region



2. 2017 PLAN

2.1 Engineering

- Track progress on key funded infrastructure projects
 - Rouge Valley and L2L trails
 - Highway 7 Cycle Track (E. of Town Centre) and flexible bollards (W. of Town Centre)
- Continue to prioritize and fill cycling/pedestrian network gaps
 - 2017 Infill Sidewalk Program – 5 km
 - More signed bike routes – 4+ km
 - Small cycling gaps
- Complete signage of balance of MUPs
- Respond to results of Walkability Audits – rectify deficiencies
- Complete intersection feasibility study for cycling safety
- Propose next major cycling project in time for 2018 Budget (eg John St. Bayview to Rodick)
- Work with Public Realm Coordinator on placing bike racks in key locations
- Review Community Master Plans, Secondary Plans and ZBAs as they are prepared, eg. York Downs
- Review project-specific EA's and designs as they come forward, eg. arterial roads

2. 2017 PLAN

2.2. Encouragement

- Offer Jane's Walks at 3 locations in May
- Offer free Bike Rack service at 5 festivals June to September, in lieu of Bike Valet
 - Unionville, Taste of Asia, Markham, Canada Day, Thornhill
 - Racks to be rented by City and dropped off/picked up per festival instructions
- Conduct 3rd annual Markham Cycling Day
 - September 24, centred at Civic Centre, 1000+ participants
 - Assumes sufficient staff resources to support
- Finalize Markham Pedestrian Charter and submit to Council

2. 2017 PLAN

2.3 Education

- Keep new Cycling Map up to date (web version) and print paper version
- Support Recreation as needed to conduct Cycling Classes and Clinics
- Input to York Region programs
- CPAC members to participate in conferences and workshops



2. 2017 PLAN

2.4 Evaluation

- Substantial effort required to maintain Performance Metrics Program
- Appropriate for City Staff to take over Metrics Program
- Apply for awards as appropriate from Walk Friendly Ontario and Share the Road Cycling Coalition (if staff resources permit)

2.5 Enforcement

- Follow progress of “no parking in bike lanes” initiative
- Follow up on road safety ideas (YRP education, photoradar, right turn prohibitions, speed display signs)



2017 CPAC BUDGET ALLOCATION

	<u>2016 Budget, \$</u>	<u>2016 Actual, \$</u>	<u>2017 Budget, \$</u>
Encouragement			
Markham Cycling Day	10,000(net after sponsors)	15,300 (net after sponsors)	10,000 (net after sponsors)
Jane's Walk publicity	1,000	620	0
Bicycle Valet/Bike Rack	6500 (net after cost sharing)	5,500	3,000 (cost share Canada Day)
Research and Innovations (several ideas)	5,500	0	5,500
Education			
Conduct Bike Clinics	1,000	0	1,000
Update and print Markham Cycling Map	-	-	3,000
Attend Conferences and Workshops	500	0	500
CPAC Meeting Expenses	500	770	500
TOTAL APPROVED CPAC BUDGET	25,000	22,200	25,000

THANK YOU! QUESTIONS?

Metrics

No	Parameter	Definition	Metric Detail	2016	2015	2014
Infrastructure - Cycling & Pedestrian						
1	Kms of shared road ways signed bike route		Cumulative	119.4km	108.60km	N/A
2	Km of bike lanes	On road, no physical barrier, signed as "bike only"	Cumulative	46.69km	41.24km	N/A
3	Km of Edge Line		Yearly	?KM	7.8 km	N/A
4	Km of boulevard MUP	Within road allowance, on blvd, pedestrian+cyclist	Cumulative	36.78km	30.08km	26.779
5	Km of cycle tracks	On or off blvd. Cycling only. Physical barrier from cars and people. Signed.	Cumulative	1.85km	N/A	0.7146
6	Km of paved shoulders	Roads with no curb or signage for bikes (white line marking the paved shoulder)	Cumulative	28.51km	20.69km	17.5
7	Number of bicycle parking spots at key destinations	Total number of spots from the bike rack survey	Cumulative	1558	1228	1251
8	Number of bicycle-oriented businesses	Businesses with a cycling focus or that contribute significantly to cycling culture in Markham.	Yearly	9	8	8
9	Km of trails and pathways (off road)	All off-road facilities - paths, trails, off-boulevard MUP	Yearly	4km	N/A	34.1
10	Km of new sidewalk infilled during year (gap filling)	Installed by City under their program. Does not include new developments where developer responsible to install	Yearly	4.7km	4.2	10
11	Number of public benches and bike racks installed during year		TBD	N/A	N/A	N/A



BUILDING MARKHAM'S
FUTURE TOGETHER



Metrics Cont'd

No	Parameter	Definition	Metric Detail	2016	2015	2014
Education/Awareness						
12	Number of attendees at City cycling education program	City-run programs, adult and children		N/A	N/A	45
13	Number of hits on Markham Cycling Map	On City website.		4598	3798	4194
14	Number of cycling maps (paper) distributed by Markham and York			N/A	350 (only for the 2015 maps)	N/A
Usage						
15	Number of users of Bike racks at key locations	Tracking Spreadsheet	More work locations added in 2016	56.68%	70.52%	59.15%
16	Number of users of Bike Valet			312	385	349
17	Number of participants at Giro / Markham Cycling Day			563	297 (races) 412 (tour)	413 (races)
18	Number of cyclists on Bike to Work Day	Metrolinx Smart Commute metric		109	114	140
19	Number of daily cyclists at specific locations		Count Locations	N/A	746 (total observed daily average for 10 locations in Markham)	N/A
20	Estimated number of cyclists in organized clubs riding through Markham (a surrogate for our attractiveness)		See Tab 22 for additional details about Markham based clubs	No Survey for 2016	No survey for 2015	4226

Metrics Cont'd

No	Parameter	Definition	Metric Detail	2016	2015	2014
Injuries / Fatalities						
21	Number of cycling non-fatal Injury (regional roads only)			25	N/A	20
22	Number of cycling fatal injury (regional roads only)		This data only captures regional roads.	0	N/A	1
23	Number of pedestrian non-fatal Injury (regional roads only)			50	N/A	67
24	Number of pedestrian fatal Injury (regional roads only)			0	N/A	1
25	REFERENCE: Population of Markham (Stats Canada)	Reference statistic to normalize trends	Stats Canada Reference	N/A	N/A	N/A
26	Estimated Growth Rate		0.0307	341,845	333,818	325,791
Infrastructure Gaps						
27	Infrastructure Gaps	Gaps that have been prioritized and corrected		4	3	0