

REPORT FOR ACTION

Road Classification Amendments

Date:	March 26, 2018
То:	Public Works and Infrastructure Committee
From:	General Manager, Transportation Services
Wards:	15, 19, 20, 23, 24, 29, 30, 32, 33, 40, 41, 42

SUMMARY

Periodically Transportation Services undertakes a review and update of the Road Classification System (RCS) to determine the appropriate road classification for new streets assumed by the City along with the re-classification of existing streets whose current designation does not reflect the intended purpose or current functional operation of the road.

The correct road classification ensures that operational service levels, such as street sweeping and winter maintenance, are matched to the use of each roadway.

This report seeks approval from City Council to amend the current RCS to address thirty seven (37) road sections that are proposed to be classified for the first time or reclassified to match current usage.

RECOMMENDATIONS

The General Manager, Transportation Services recommends that:

1. City Council approve the changes to the City of Toronto Road Classification System contained in Attachment 2.

FINANCIAL IMPACT

Changes to operations and maintenance practices resulting from the re-classification of existing roads or classification of new roads will be accommodated within Transportation Services' 2018 Operating Budget.

The Acting Chief Financial Officer has reviewed this report and agrees with the financial impact information.

DECISION HISTORY

City Council, at its meeting of February 29 and March 1 and 2, 2000, adopted a Road Classification System (Clause No. 1 of Report No. 4 of the Works Committee) which consolidated and replaced the various road classification systems of the former seven pre-amalgamated municipalities. When City Council adopted the current Road Classification System, it also requested that the Transportation Services Division submit a staff report seeking City Council's approval of any future changes to the system requiring a road designation of "Collector" or higher.

https://www.toronto.ca/legdocs/2000/agendas/council/cc/cc000229/wks4rpt/cl001.pdf

City Council, at its meeting of June 7, 2000, adopted a Review of Specific Road Classifications (Clause No. 12 of Report No. 12 of the Works Committee) for sections of Dundas Street East, Moore Avenue and Silverthorn Avenue. <u>https://www.toronto.ca/legdocs/2000/agendas/council/cc/cc000607/wks12rpt/cl012.pdf</u>

City Council, at its meeting of June 19, 20 and 22, 2007, adopted the Road Classification System Update (PW6.11) providing various amendments and updates from the periodic review.

https://www.toronto.ca/legdocs/mmis/2007/pw/bgrd/backgroundfile-3879.pdf

City Council, at its meeting of November 27, 28 and 29, 2012, adopted the Road Classification System Update (PW19.5) providing various amendments and updates from the periodic review..

http://app.toronto.ca/tmmis/viewAgendaltemHistory.do?item=2012.PW19.5

COMMENTS

The Road Classification System (RCS) designates streets into different classes according to the function the street is intended to provide. Streets are assessed against criteria approved by Council in 2000, into one of five road classifications:

- Expressway
- Major Arterial
- Minor Arterial
- Collector
- Local

The RCS was most recently updated in 2012 and an update is now needed to reflect new streets that have been assumed by the City and to reclassify some existing streets based on their current functionality. Accurate road classification ensures that operational service levels for street sweeping and winter maintenance reflect the usage of the road.

This report recommends thirteen (13) street sections to be classified and twenty-four (24) street sections to be re-classified, as outlined in the table in Attachment 2. The table identifies the key characteristics that were used as the basis for the classification or re-classification of the road, including:

- estimated daily vehicle traffic volume;
- presence of traffic control signals;
- posted speed limit;
- movement versus access;
- presence of surface transit;
- truck restriction;
- accommodation of pedestrians;
- accommodation of cyclists; and
- desirable network connection.

Updating the RCS with the recommended changes will ensure that the City's road network can be operated and maintained safely and efficiently for all road users.

CONTACT

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SIGNATURE

Barbara Gray General Manager, Transportation Services

ATTACHMENTS

Attachment 1:Road Classification CriteriaAttachment 2:Road Classification Update – Table of ChangesAttachment 3:Road Classification Update – Classification Changes Maps 1 to 10

Characteristic	Locals	Collectors	Minor Arterials	Major Arterials	Expressways
Traffic movement versus property access	Property access primary function	Traffic movement and property access of equal importance	Traffic movement primary consideration; some property access control	Traffic movement primary consideration; subject to property access control	Traffic movement primary consideration; no property access
Typical daily motor vehicle traffic volume (both directions)	< 2,500	2,500 - 8000	8,000 - 20,000	> 20,000	> 40,000
Minimum number of peak period lanes (excluding bicycle lanes)	One (one-way stre	ets) or two	Тwo	Four	Four
Desirable connections	Locals, collectors	Locals, collectors, arterials	Collectors, arterials	Collectors, arterials, expressways	Major arterials, expressways
Flow characteristics	Interrupted flow	Interrupted flow	Uninterrupted except at signals and crosswalks	Uninterrupted except at signals and crosswalks	Free-flow (grade separated)
Legal speed limit, km/h	40 - 50	40 - 50	40 - 60	50 - 60 ¹	80 – 100
Accommodation of pedestrians	Sidewalks on one or both sides	Sidewalks on both	sides	Pedestrians prohibited	
Accommodation of cyclists	Special facilities as	s required	Wide curb lane or specia	l facilities desirable	Cyclists prohibited
Surface transit	Generally not provided	Permitted	Preferred	Preferred	Express buses only
Surface transit daily passengers	Not applicable	< 1,500	1,500 - 5,000	> 5,000	Not applicable
Heavy truck restrictions (e.g. seasonal or night time)	Restrictions preferred	Restrictions permitted	Generally no restrictions		No restrictions
Typical spacing between traffic control devices ² , (metres)	0 - 150	215 - 400	215 - 400	215 - 400	Not applicable
Typical right-of-way width, (metres)	15 - 22	20 - 27	$20^3 - 30^4$	$20^3 - 45^4$	> 45 ⁴

Attachment 1: Road Classification Criteria (adopted by City Council on February 29, March 1 & 2, 2000)

Notes: - Private roads and lanes (public or private) are not part of this classification system.

1. A number of major arterial roads have speed limits which fall outside this range.

2. Traffic control devices include; traffic control signals, pedestrian crossovers and 'Stop' signs.

3. 20 metre rights-of-way exist on many downtown or older arterial roads. New arterial roads should have wider rights-of-way.

4. Wider rights-of-way are sometimes required to accommodate other facilities such as utilities, noise mitigation, installations, transit, bicycle facilities, and streetscaping. For new streets, wider rights-of-way should be considered to accommodate such facilities.

Classification Key Criteria Considered for Reclassification Presence Surface Road Section Desirable Street ID Truck of Traffic Movement Pedestrian Accommodation Ward Daily Traffic Transit Network Name Limits Restrictions Facility of Cyclist Control Recommend versus Current Volume Route Connection (yes/no) (yes/no) Signals Access (yes/no) (yes/no) (yes/no) (yes/no) Eglinton-Dufferin St to Equal No Lawrence 15-1 Dane Ave 2,000 No Yes Yes No Yes Local Collector importance Via Bagnato (15) Some Lake Shore Trinity -Fort York property 19-1 Blvd W to 11,000 Yes Collector Minor Arterial Yes No Yes Yes Yes Spadina (19) Blvd access Bathurst St control Fort York Blvd Trinity -Dan Leckie Equal 20-1 to Queens 3,000 No No Yes No No Yes Pending Collector Spadina (20) Way importance Wharf Rd Some Willowdale Finch Ave W to property 23-1 12,500 Yes Beecroft Rd Yes No Yes No Yes Collector Minor Arterial (23) Kempford Blvd access control Some Willowdale Kempford Blvd property 23-2 13,000 Yes Yes Yes Beecroft Rd No No No Pending Minor Arterial (23) to Ellerslie Ave access control

Attachment 2: Road Classification Update – Table of Changes

				Key Criteria Co	Key Criteria Considered for Reclassification								
Ward	ID	Street Name	Road Section Limits	Daily Traffic Volume	Surface Transit Route (yes/no)	Truck Restrictions (yes/no)	Pedestrian Facility (yes/no)	Accommodation of Cyclist (yes/no)	Presence of Traffic Control Signals (yes/no)	Movement versus Access	Desirable Network Connection (yes/no)	Current	Recommend
Willowdale (23)	23-3	Beecroft Rd	Ellerslie Ave to Poyntz Ave	15,000	No	No	Yes	No	Yes	Some property access control	Yes	Collector	Minor Arterial
Willowdale (23)	23-4	Doris Ave	Finch Ave E to Byng Ave	12,000	No	Yes	Yes	No	Yes	Equal importance	Yes	Pending	Minor Arterial
Willowdale (23)	23-5	Doris Ave	Byng Ave to Sheppard Ave E	15,000	No	Yes	Yes	No	Yes	Some property access control	Yes	Collector	Minor Arterial
Willowdale (23)	23-6	Poyntz Ave	Beecroft Ave to Yonge St	11,500	No	No	Yes	No	Yes	Some property access control	Yes	Collector	Minor Arterial
Willowdale (24)	24-1	Esther Shiner Blvd	Provost Dr to Old Leslie St	12,000	No	No	Yes	Yes	Yes	Some property access control	Yes	Local	Minor Arterial
Willowdale (24)	24-2	Esther Shiner Blvd	Old Leslie St to Leslie St	14,000	Yes	No	Yes	No	Yes	Some property access control	Yes	Collector	Minor Arterial

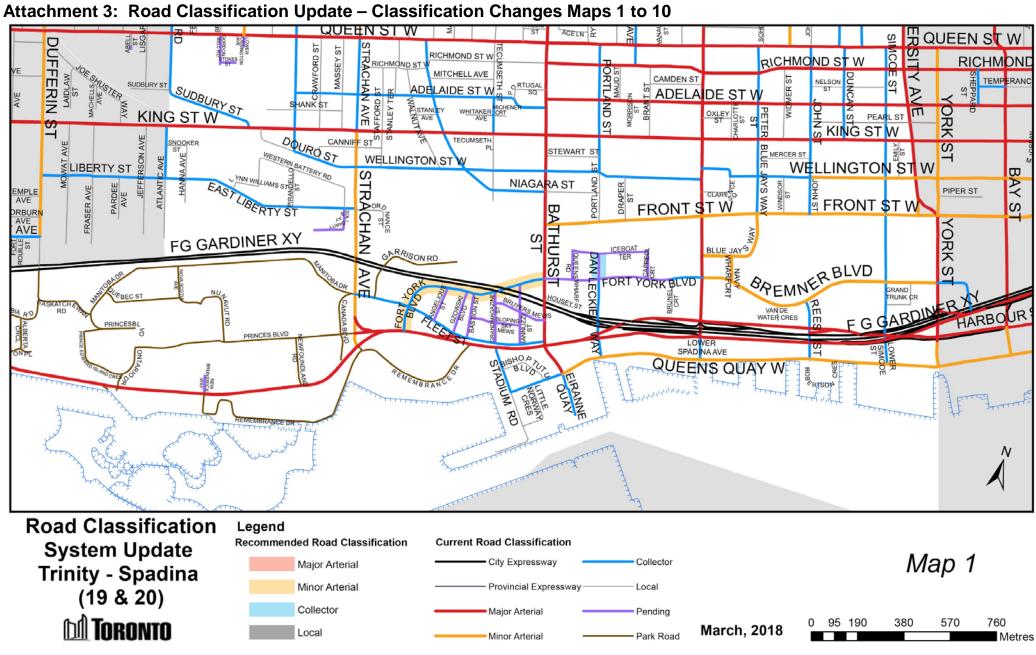
	ID			Key Criteria Co	Classification								
Ward		Street Name	Road Section Limits	Daily Traffic Volume	Surface Transit Route (yes/no)	Truck Restrictions (yes/no)	Pedestrian Facility (yes/no)	Accommodation of Cyclist (yes/no)	Presence of Traffic Control Signals (yes/no)	Movement versus Access	Desirable Network Connection (yes/no)	Current	Recommend
Willowdale (24)	24-3	Singer Crt	Provost Dr to 145m East of Provost Dr	N/A	No	No	Yes, one side	No	No	Equal importance	Yes	Pending	Collector
Toronto- Danforth (29)	29-1	Greenwood Ave	Mortimer Ave to O'Connor Dr	6,500	No	Yes	Yes	No	Yes	Equal importance	Yes	Minor Arterial	Collector
Toronto- Danforth (30)	30-1	Carlaw Ave	Eastern Ave to Commissioners St	13,000	Yes	No	Yes	No	Yes	Some property access control	Yes	Collector	Minor Arterial
Toronto- Danforth (30)	30-2	Jack Layton Way	St Matthews Rd to Broadview Ave	4,000	No	No	Yes	No	No	Equal importance	Yes	N/A	Collector
Toronto- Danforth (30)	30-3	St Matthews Rd	Gerrard St E to Jack Layton Way	3,000	No	No	Yes	No	No	Equal importance	Yes	Park Road	Collector
Beaches - East York (32)	32-1	Dengate Rd	Gerrard St E to Musgrave St	2,600	No	No	Yes	No	No	Equal importance	Yes	Local	Collector
Beaches - East York (32)	32-2	Musgrave St	Dengate Rd to Victoria Park Ave	5,000	No	No	Yes	No	No	Equal importance	Yes	Local	Collector

		Street Name	Road Section Limits	Key Criteria Cor	Classification								
Ward	ID			Daily Traffic Volume	Surface Transit Route (yes/no)	Truck Restrictions (yes/no)	Pedestrian Facility (yes/no)	Accommodation of Cyclist (yes/no)	Presence of Traffic Control Signals (yes/no)	Movement versus Access	Desirable Network Connection (yes/no)	Current	Recommend
Don Valley East (33)	33-1	Forest Manor Rd	Helen Lu to Parkway Forest Dr	4,000	No	No	Yes	No	No	Equal importance	Yes	Local	Collector
Scarborough - Agincourt (40)	40-1	Florina Blvd	Birchmont Rd to Mondeo Dr	N/A	No	Yes	Yes, one side	No	No	Equal importance	Yes	Pending	Collector
Scarborough - Agincourt (40)	40-2	Mondeo Dr	Ellesmere Rd to Florina Blvd	5,000	No	Yes	Yes	No	Yes	Equal importance	Yes	Local	Collector
Scarborough - Rouge River (41,42)	41,4 2-1	Steeles Ave E	McCowan Rd to Staines Rd	23,000-27,000	Yes	No	Yes	Yes; McCowan Rd to Markham Rd	Yes	Subject to property access control	Yes	Minor Arterial	Major Arterial
Scarborough - Rouge River (42)	42-1	Beare Rd	Plug Hat Rd to Old Finch Ave	1,800	No	No	No	No	No	Access primary function	Yes	Collector	Local
Scarborough - Rouge River (42)	42-2	Finch Ave E	Morningside Ave to 250m South of Morningside Ave	18,000	Yes	No	Yes	Yes	Yes	Some property access control	Yes	Pending	Minor Arterial

			Road Section Limits	Key Criteria Co	Classification								
Ward	ID	Street Name		Daily Traffic Volume	Surface Transit Route (yes/no)	Truck Restrictions (yes/no)	Pedestrian Facility (yes/no)	Accommodation of Cyclist (yes/no)	Presence of Traffic Control Signals (yes/no)	Movement versus Access	Desirable Network Connection (yes/no)	Current	Recommend
Scarborough - Rouge River (42)	42-3	Finch Ave E	Beare Rd to Pickering Town Line	1,900	No	No	No	No	No	Access primary function	Yes	Collector	Local
Scarborough - Rouge River (42)	42-4	Mantis Rd	Staines Rd to Nightstar Rd	5,000	Yes	Yes	Yes	No	No	Equal Importanc e	No	Pending	Collector
Scarborough - Rouge River (42)	42-5	McNicoll Ave	Tapscott Rd to Morningside Ave	8,000	No	No	Yes	No	Yes	Some property access control	Yes	Pending	Minor Arterial
Scarborough - Rouge River (42)	42-6	Morningside Ave	McNicoll Ave to 170m East of Finch Ave E	11,000	Yes	No	Yes	No	Yes	Some property access control	No	Pending	Minor Arterial
Scarborough - Rouge River (42)	42-7	Nightstar Rd	Wharnsby Dr to Mantis Rd	5,000	Yes	Yes	Yes	No	No	Equal importance	Yes	Pending	Collector
Scarborough - Rouge River (42)	42-8	Nightstar Rd	Morningside Ave to Wharnsby Dr	5,000	Yes	Yes	Yes	No	Yes	Equal importance	Yes	Local	Collector

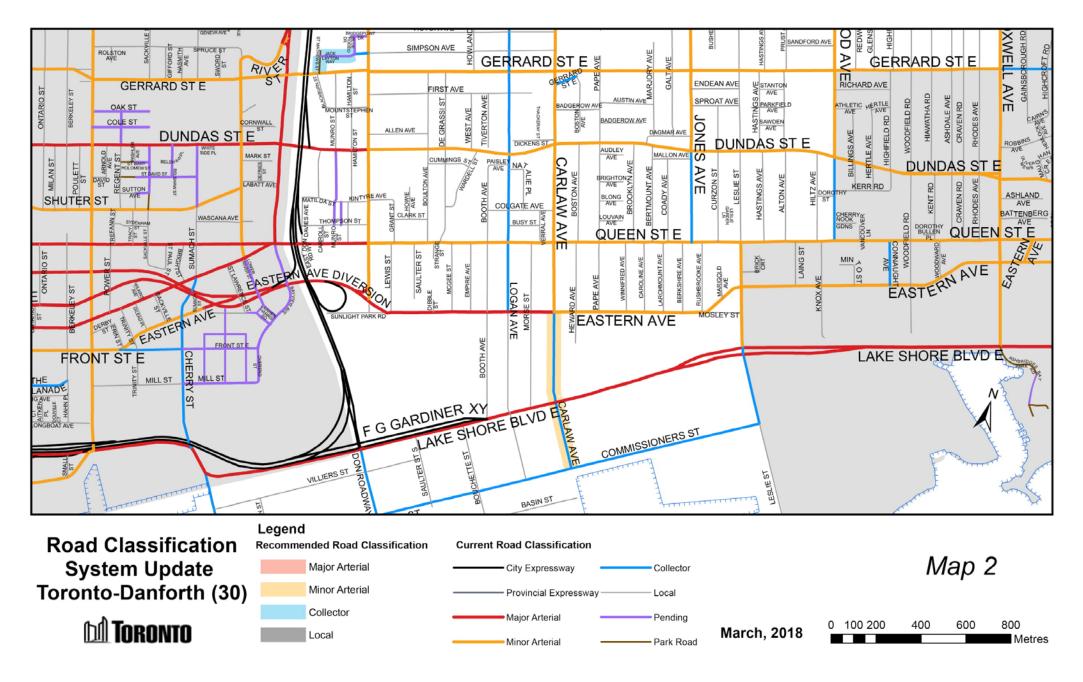
	ID		Road Section Limits	Key Criteria Co	Classification								
Ward		Street Name		Daily Traffic Volume	Surface Transit Route (yes/no)	Truck Restrictions (yes/no)	Pedestrian Facility (yes/no)	Accommodation of Cyclist (yes/no)	Presence of Traffic Control Signals (yes/no)	Movement versus Access	Desirable Network Connection (yes/no)	Current	Recommend
Scarborough - Rouge River (42)	42-9	Oasis Blvd	Grosbeak Cres to Seasons Dr	N/A	No	Yes	Yes	No	No	Access primary function	Yes	Collector	Local
Scarborough - Rouge River (42)	42- 10	Pickering Town Line	Steeles Ave E to Finch Ave E	900	No	No	No	No	No	Access primary function	Yes	Collector	Local
Scarborough - Rouge River (42)	42- 11	Reesor Rd	Old Finch Ave to Steeles Ave E	5,000	No	No	No	No	No	Equal importance	Yes	Local	Collector
Scarborough - Rouge River (42)	42- 12	Seasons Dr	Oasis Blvd to Staines Rd	2,700	Yes	Yes	Yes	No	No	Equal importance	Yes	Pending	Collector
Scarborough - Rouge River (42)	42- 13	Staines Rd	Steeles Ave E to Boulderbrook Dr	4,000	Yes	Yes	Yes	No	Yes	Equal importance	Yes	Pending	Collector
Scarborough - Rouge River (42)	42- 14	Staines Rd	Boulderbrook Dr to 130m North of Warbler Crcl	4,000	Yes	Yes	Yes	No	Yes	Equal importance	Yes	Local	Collector

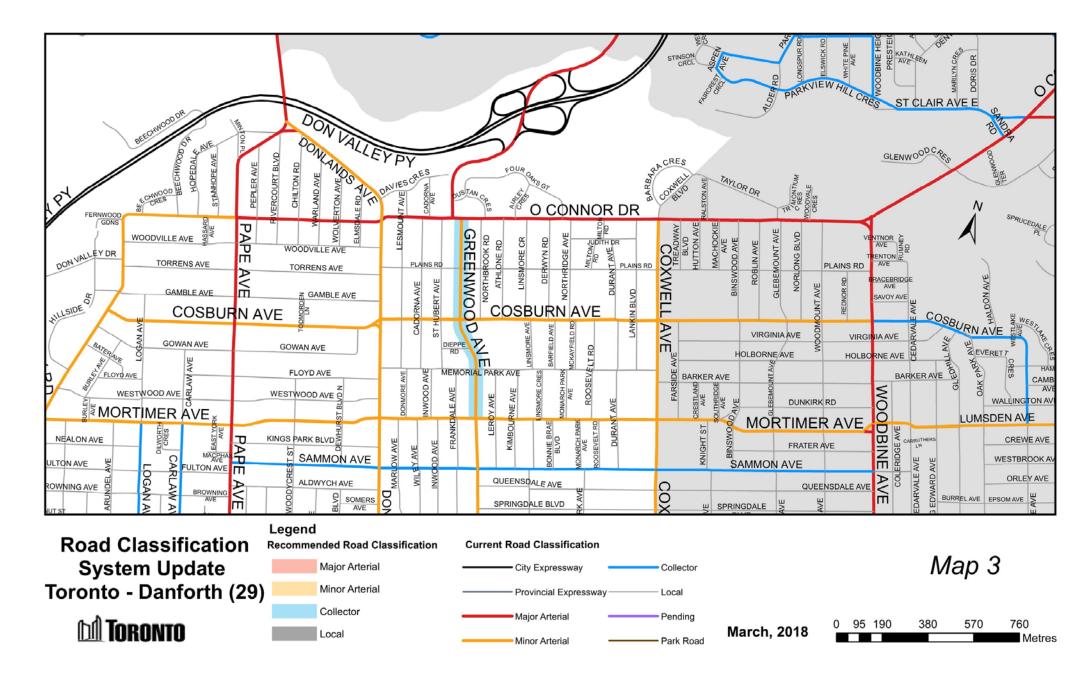
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Ward	ID	Street Name	Road Section Limits	Daily Traffic Volume	Surface Transit Route (yes/no)	Truck Restrictions (yes/no)	Pedestrian Facility (yes/no)	Accommodation of Cyclist (yes/no)	Presence of Traffic Control Signals (yes/no)	Movement versus Access	Desirable Network Connection (yes/no)	Current	Recommend
Scarborough - Rouge River (42)	42- 15	Staines Rd	Morningside Ave to Wharnsby Dr	7,000	Yes	Yes	Yes	No	Yes	Equal importance	Yes	Pending	Collector



Attachment 3: Road Classification Update – Classification Changes Maps 1 to 10

Road Classification Amendments





Road Classification Amendments

