

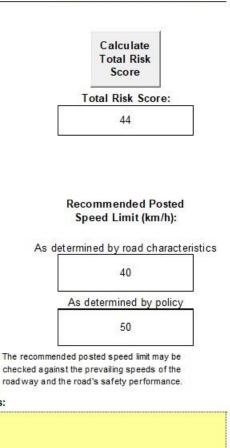
Automated Speed Limit Guidelines

FORM A - Automated Speed Limit Guidelines Spreadsheet

Version: 10-Apr-09

Name of Corridor:	Balkan Road						
Segment Evaluated:	Cros by Avenue		to	Osiris Drive [W]			
Geographic Region:	Ontario						
Road Agency:	City of Richmond Hill						
Road Classification:	Local	Length of C	Length of Corridor:			m	
Urban / Rural:	Urban		sign Speed: (Required for Freevoressway, Highway)	20 20		km/h	
Divided / Undivided:	Undivided	Current Pos (For informatio		* D10-00000	50	km/h	
Major / Minor:	Minor		Prevailing Speed: (85th Percentile - for information only)			km/h	
# Through Lanes Per Direction:	1 lane	Policy: (Maximum Pos			50	km/h	

		RISK	Score
A1	GEOMETRY (Horizontal)	Medium	2
A2	GEOMETRY (Vertical)	Lower	1
А3	AVERAGE LANE WIDTH	Medium	4
В	ROADSIDE HAZARDS	Lower	1
C1	PEDESTRIAN EXPOSURE	Lower	3
C2	CYCLIST EXPOSURE	Medium	6
D	PAVEMENT SURFACE	Lower	1
	NUMBER OF INTER SECTIONS WITH PUBLIC ROADS	Number of Occurrences	
D E1	STOP controlled intersection	2	
	Signalized intersection	0	
E1	Roundabout or traffic circle	0	2
	Crossw alk	0	
	Active, at-grade railroad crossing	0	
	Sidestreet STOP-controlled or lane	2	
	NUMBER OF INTER SECTIONS WITH PRIVATE ACCESS DRIVEWAYS	Number of Occurrences	
E2	Left turn movements permitted	44	15
	Right-in / Right-out only	0	
E3	NUMBER OF INTERCHANGES	Number of Occurrences	0
	Number of interchanges along corridor	0	
F	ON-STREET PARKING	Higher	9





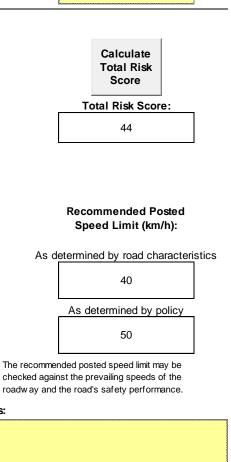
Automated Speed Limit Guidelines

FORM A - Automated Speed Limit Guidelines Spreadsheet

Version: 10-Apr-09

Nam	ne of Corridor:	Barberry Crescent	Barberry Crescent								
Seg	ment Evaluated:	Red Cardinal Trail			to	End of Barberry Cre	perry Crescent				
Geo	graphic Region:	Ontario									
Roa	d Agency:	City of Richmond F	City of Richmond Hill								
Roa	d Classification:	Local		Length	Length of Corridor:			895	m		
Urba	an / Rural:	Urban			Design Speed: (Required for Freeway Expressway, Highway)				km/h		
Divid	ded / Undivided:	Undivided			Current Posted Speed: (For information only) Prevailing Speed: (85th Percentile - for information only)	peed:	50	km/h			
Majo	or / Minor:	Minor				43	km/h				
	rough Lanes Direction:	1 lane		Policy: (Maximu				50	km/h		
			RISK	Score							
A1 GEOMETRY (Horizontal)		Higher	3								

		RISK	Score
A1	GEOMETRY (Horizontal)	Higher	3
A2	GEOMETRY (Vertical)	Lower	1
А3	AVERAGE LANE WIDTH	Medium	4
В	ROADSIDE HAZARDS	Lower	1
C1	PEDESTRIAN EXPOSURE	Lower	3
C2	CYCLIST EXPOSURE	Medium	6
D	PAVEMENT SURFACE	Lower	1
	NUMBER OF INTERSECTIONS WITH PUBLIC ROADS	Number of Occurrences	
	STOP controlled intersection	2	
	Signalized intersection	0	
E1	Roundabout or traffic circle	0	1
	Crossw alk	0	
	Active, at-grade railroad crossing	0	
	Sidestreet STOP-controlled or lane	0	
	NUMBER OF INTERSECTIONS WITH PRIVATE ACCESS DRIVEWAYS	Number of Occurrences	
E2	Left turn movements permitted	103	15
	Right-in / Right-out only	0	
E3	NUMBER OF INTERCHANGES	Number of Occurrences	0
	Number of interchanges along corridor	0	
F	ON-STREET PARKING	Higher	9





Automated Speed Limit Guidelines

FORM A - Automated Speed Limit Guidelines Spreadsheet

Version: 10-Apr-09

Name of Corridor:	Colesbrook Road								
Segment Evaluated:	Gamble Road [E]			Gamble Road [W]	mble Road [W]				
Geographic Region:	Ontario								
Road Agency:	City of Richmond Hill								
Road Classification:	Local	Length of C	orrid	or:	945	m			
Urban / Rural:	Urban		Design Speed: (Required for Freewa Expressway, Highway) Current Posted Speed: (For information only)			km/h			
Divided / Undivided:	Undivided			1 D T T T T T T T T T T T T T T T T T T	50	km/h			
Major / Minor:	Minor	Prevailing S (85th Percenti		: rin formation only)	47	km/h			
# Through Lanes Per Direction:	1 lane	Policy: (Maximum Pos		peed)	50	km/h			

		RISK	Score
A1	GEOMETRY (Horizontal)	Medium	2
A2	GEOMETRY (Vertical)	Medium	2
А3	AVERAGE LANE WIDTH	Medium	4
В	ROADSIDE HAZARDS	Lower	1
C1	PEDESTRIAN EXPOSURE	Lower	3
C2	CYCLIST EXPOSURE	Medium	6
D	PAVEMENT SURFACE	Lower	1
	NUMBER OF INTER SECTIONS WITH PUBLIC ROADS	Number of Occurrences	
	STOP controlled intersection	2	
	Signalized intersection	0	
E1	Roundabout or traffic circle	1	2
	Crossw alk	0	
	Active, at-grade railroad crossing	0	
	Sidestreet STOP-controlled or lane	4	
	NUMBER OF INTER SECTIONS WITH PRIVATE ACCESS DRIVEWAYS	Number of Occurrences	
E2	Left turn movements permitted	102	15
	Right-in / Right-out only	3	
E3	NUMBER OF INTERCHANGES	Number of Occurrences	0
	Number of interchanges along corridor	0	
F	ON-STREET PARKING	Higher	9



Total Risk Score:

45

Recommended Posted Speed Limit (km/h):

As determined by road characteristics
40

As determined by policy

The recommended posted speed limit may be checked against the prevailing speeds of the road way and the road's safety performance.

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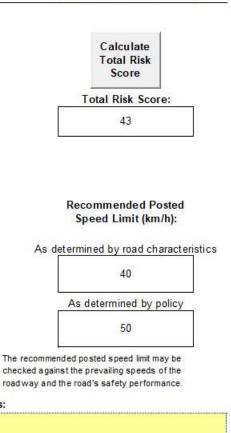
Automated Speed Limit Guidelines

FORM A - Automated Speed Limit Guidelines Spreadsheet

Version: 10-Apr-09

Name of Corridor:	Cooperage Crescent	Cooperage Crescent					
Segment Evaluated:	Shaftsbury Avenue [N]		to	Shats bury Avenue [S]			
Geographic Region:	Ontario						
Road Agency:	City of Richmond Hill						
Road Classification:	Local	Length of C	Length of Corridor:		1,300	m	
Urban / Rural:	Urban	Design Spo		Required for Freeway,	ıy.	km/h	
Divided / Undivided:	Undivide d	Current Pos (For information		#C>10/00/00/00	50	km/h	
Major / Minor:	Minor	Prevailing S (85th Percent		in formation only)		km/h	
# Through Lanes Per Direction:	1 lane	Policy: (Maximum Po			50	km/h	

		RISK	Score
A1	GEOMETRY (Horizontal)	Lower	1
A2	GEOMETRY (Vertical)	Medium	2
А3	AVERAGE LANE WIDTH	Medium	4
В	ROADSIDE HAZARDS	Lower	1
C1	PEDESTRIAN EXPOSURE	Lower	3
C2	CYCLIST EXPOSURE	Medium	6
D	PAVEMENT SURFACE	Lower	1
D E1	NUMBER OF INTER SECTIONS WITH PUBLIC ROADS	Number of Occurrences	
	STOP controlled intersection	2	
	Signalized intersection	0	
Ł1	Roundabout or traffic circle	0	1
	Crosswalk	0	
	Active, at-grade railroad crossing	0	
	Sidestreet STOP-controlled or lane	2	
	NUMBER OF INTER SECTIONS WITH PRIVATE ACCESS DRIVEWAYS	Number of Occurrences	
E2	Left turn movements permitted	128	15
	Right-in / Right-out only	Cadada ta da da da da da da da de	
E3	NUMBER OF INTERCHANGES	Number of Occurrences	0
04484	Number of interchanges along corridor	0	3.5
F	ON-STREET PARKING	Higher	9





Automated Speed Limit Guidelines

FORM A - Automated Speed Limit Guidelines Spreadsheet

Version: 10-Apr-09

Name of Corridor:	Denham Drive					
Segment Evaluated:	Westwood Lane [N]		to Avenue Road			
Geographic Region:	Ontario					
Road Agency:	City of Richmond Hill					
Road Classification:	Local	Length of Corrido	1,100	m		
Urban / Rural:	Urban	De sign Speed: (R Expressway, Highway)		km/h		
Divided / Undivided:	Undivide d	Current Posted Sp (For information only)	eed: 50	km/t		
Major / Minor:	Minor	Prevailing Speed: (85th Percentile - for i	n formation only) 51	km/h		
# Through Lanes Per Direction:	1 lane	Policy: (Maximum Posted Spe	50 eed)	km/l		

		RISK	Score
A1	GEOMETRY (Horizontal)	Medium	2
A2	GEOMETRY (Vertical)	Lower	1
А3	AVERAGE LANE WIDTH	Medium	4
В	ROADSIDE HAZARDS	Lower	1
C1	PEDESTRIAN EXPOSURE	Lower	3
C2	CYCLIST EXPOSURE	Medium	6
D	PAVEMENT SURFACE	Lower	1
	NUMBER OF INTER SECTIONS WITH PUBLIC ROADS	Number of Occurrences	
A3 B C1 C2 D	STOP controlled intersection	3	
	Signalized intersection	0	
E1	Roundabout or traffic circle	00	2
	Crosswalk	0	
	Active, at-grade railroad crossing	0	
	Sidestreet STOP-controlled or lane	4	
	NUMBER OF INTER SECTIONS WITH PRIVATE ACCESS DRIVEWAYS	Number of Occurrences	
E2	Left turn movements permitted	83	15
	Right-in / Right-out only		
E3	NUMBER OF INTERCHANGES	Number of Occurrences	0
	Number of interchanges along corridor	0	
F	ON-STREET PARKING	Higher	9

Calculate
Total Risk
Score
Total Risk Score:

44

Recommended Posted Speed Limit (km/h):

As determined by road characteristics

40

As determined by policy

50

The recommended posted speed limit may be checked against the prevailing speeds of the road way and the road's safety performance.

Comment	s:			



Automated Speed Limit Guidelines

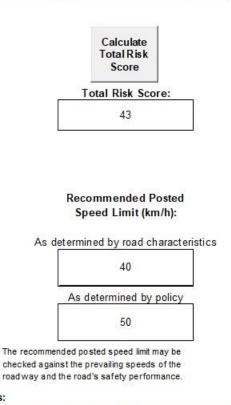
FORM A - Automated Speed Limit Guidelines Spreadsheet

Version: 10-Apr-09

Name of Corridor:	Dunloe Road						
Segment Evaluated:			to	Strathearn Avenue	venue		
Geographic Region:	Ontario						
Road Agency:	City of Richmond Hill						
Road Classification:	Local	Length of	Corrid	or:	500	m	
Urban / Rural:	Urban	Design Sp Expressway,	(C) (S)	Required for Freeway, y)		km/h	
Divided / Undivided:	Undivided	Current Po (For informat		* D10-00000	50	km/h	
Major / Minor:	Minor	Prevailing (85th Percer		: rin formation only)		km/h	
# Through Lanes Per Direction:	1 lane	Policy: (Maximum Po	osted S	peed)	50	km/h	

Comments:

		RISK	Score
A1	GEOMETRY (Horizontal)	Higher	3
A2	GEOMETRY (Vertical)	Lower	1
А3	AVERAGE LANE WIDTH	Lower	2
В	ROADSIDE HAZARDS	Lower	1
C1	PEDESTRIAN EXPOSURE	Lower	3
C2	CYCLIST EXPOSURE	Medium	6
D	PAVEMENT SURFACE	Lower	1
	NUMBER OF INTER SECTIONS WITH PUBLIC ROADS	Number of Occurrences	
	STOP controlled intersection	2	
	Signalized intersection	0	
E1	Roundabout or traffic circle	0	2
	Crossw alk	0	
	Active, at-grade railroad crossing	0	
	Sidestreet STOP-controlled or lane	1	
	NUMBER OF INTER SECTIONS WITH PRIVATE ACCESS DRIVEWAYS	Number of Occurrences	
E2	Left turn movements permitted	41	15
	Right-in / Right-out only		
E3	NUMBER OF INTERCHANGES	Number of Occurrences	0
	Number of interchanges along corridor	0	
F	ON-STREET PARKING	Higher	9



Length of corridor = 468 m



Through Lanes

Per Direction:

1 lane

Automated Speed Limit Guidelines FORM A - Automated Speed Limit Guidelines Spreadsheet

Name of Corridor: Lennox Avenue to Major Mackenzie Drive Segment Evaluated: Harding Boulevard Geographic Region: City of Richmond Hill Road Agency: Road Classification: Length of Corridor: 530 m Design Speed: (Required for Freeway, Urban / Rural: Urban km/h Expressway, Highway) Current Posted Speed: Divided / Undivided: Undivide d 50 km/h (For information only) Prevailing Speed: Major / Minor: 49 km/h (85th Percentile - for information only)

Policy:

(Maximum Posted Speed)

		RISK	Score
A1	GEOMETRY (Horizontal)	Lower	1
A2	GEOMETRY (Vertical)	Lower	1
А3	AVERAGE LANE WIDTH	Medium	4
В	ROADSIDE HAZARDS	Lower	1
C1	PEDESTRIAN EXPOSURE	Lower	3
C2	CYCLIST EXPOSURE	Medium	6
D	PAVEMENT SURFACE	Lower	1
	NUMBER OF INTER SECTIONS WITH PUBLIC ROADS	Number of Occurrences	
	STOP controlled intersection	3	
	Signalized intersection	0	
E1	Roundabout or traffic circle	0	1
	Crosswalk	0	
	Active, at-grade railroad crossing	0	
	Sidestreet STOP-controlled or lane	0	
	NUMBER OF INTER SECTIONS WITH PRIVATE ACCESS DRIVEWAYS	Number of Occurrences	
E2	Left turn movements permitted	35	15
	Right-in / Right-out only		
E3	NUMBER OF INTERCHANGES	Number of Occurrences	0
	Number of interchanges along corridor	0	
F	ON-STREET PARKING	Higher	9



50

Version:

10-Apr-09

km/h

Total Risk Score:

42

Recommended Posted Speed Limit (km/h):

As determined by road characteristics

40

As determined by policy

50

The recommended posted speed limit may be checked against the prevailing speeds of the road way and the road's safety performance.

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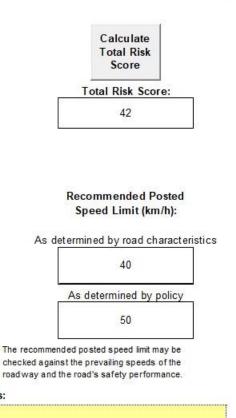
Automated Speed Limit Guidelines

FORM A - Automated Speed Limit Guidelines Spreadsheet

Version: 10-Apr-09

Name of Corridor:	Palomino Drive						
Segment Evaluated:	Canyon Hill Avenue		to	Shafts bury Avenue	nue		
Geographic Region:	Ontario						
Road Agency:	City of Richmond Hill						
Road Classification:	Local	Length of C	orrid	or:	540	m	
Urban / Rural:	Urban	De sign Spe Expressway, H		Required for Freeway, y)		km/h	
Divided / Undivided:	Undivided	Current Pos (For informatio		*C. 10 100000	50	km/h	
Major / Minor:	Minor	Prevailing S (85th Percent		l: rin formation only)	35	km/h	
# Through Lanes Per Direction:	1 lane				50	km/h	

		RISK	Score
A1	GEOMETRY (Horizontal)	Lower	1
A2	GEOMETRY (Vertical)	Lower	1
А3	AVERAGE LANE WIDTH	Medium	4
В	ROADSIDE HAZARDS	Lower	1
C1	PEDESTRIAN EXPOSURE	Lower	3
C2	CYCLIST EXPOSURE	Medium	6
D	PAVEMENT SURFACE	Lower	1
	NUMBER OF INTER SECTIONS WITH PUBLIC ROADS	Number of Occurrences	
	STOP controlled intersection	2	
	Signalized intersection	0	١
E1	Roundabout or traffic circle	0	1
	Crossw alk	0	
	Active, at-grade railroad crossing	0	1
	Sidestreet STOP-controlled or lane	0	
	NUMBER OF INTER SECTIONS WITH PRIVATE ACCESS DRIVEWAYS	Number of Occurrences	
E2	Left turn movements permitted	74	15
	Right-in / Right-out only	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
E3	NUMBER OF INTERCHANGES	Number of Occurrences	0
	Number of interchanges along corridor	0	
F	ON-STREET PARKING	Higher	9





Automated Speed Limit Guidelines

FORM A - Automated Speed Limit Guidelines Spreadsheet

Version: 10-Apr-09

Name of Corridor:	Sunshine Drive						
Segment Evaluated:	Observatory Lane		to Church Street South				
Geographic Region:	Ontario						
Road Agency:	City of Richmond Hill						
Road Classification:	Local	Length of Co	rride	orc	500	m	
Urban / Rural:	Urban	De sign Spee Expressway, Hig		Required for Freeway,		km/h	
Divided / Undivided:	Undivide d	Current Poste (For information		*C. 1 C / 200 / C	50	km/h	
Major / Minor:	Minor	Prevailing Sp		in formation only)	51	km/h	
# Through Lanes Per Direction:	1 lane Policy:		osted Speed)		50	km/ł	

		RISK	Score
A1	GEOMETRY (Horizontal)	Medium	2
A2	GEOMETRY (Vertical)	Lower	1
А3	AVERAGE LANE WIDTH	Medium	4
В	ROADSIDE HAZARDS	Lower	1
C1	PEDESTRIAN EXPOSURE	Lower	3
C2	CYCLIST EXPOSURE	Medium	6
D	PAVEMENT SURFACE	Lower	1
	NUMBER OF INTER SECTIONS WITH PUBLIC ROADS	Number of Occurrences	
	STOP controlled intersection	11	
_	Signalized intersection	0	
E1	Roundabout or traffic circle	0	2
	Crossw alk	0	
	Active, at-grade railroad crossing	0	
	Sidestreet STOP-controlled or lane	3	
	NUMBER OF INTER SECTIONS WITH PRIVATE ACCESS DRIVEWAYS	Number of Occurrences	
E2	Left turn movements permitted	43	15
	Right-in / Right-out only	<u> </u>	
E3	NUMBER OF INTERCHANGES	Number of Occurrences	0
	Number of interchanges along corridor	0	
F	ON-STREET PARKING	Higher	9



Total Risk Score:

44

Recommended Posted Speed Limit (km/h):

As determined by road characteristics

40

As determined by policy

50

The recommended posted speed limit may be checked against the prevailing speeds of the road way and the road's safety performance.

Comments:

Length of Corridor = 458 m



Automated Speed Limit Guidelines

FORM A - Automated Speed Limit Guidelines Spreadsheet

Version: 10-Apr-09

Name of Corridor:	Teefy Avenue							
Segment Evaluated:	Bathurst Street		to	Udine Court	ourt			
Geographic Region:	Ontario							
Road Agency:	City of Richmond Hill	ty of Richmond Hill						
Road Classification:	Local	Length of C	orrido	or:	500	m		
Urban / Rural:	Urban	Design Spe	,	Required for Freeway, /)		km/h		
Divided / Undivided:	Undivided	Current Posted Speed: (For information only) Prevailing Speed: (85th Percentile - for information only)			50	km/h		
Major / Minor:	Minor				47	km/h		
# Through Lanes Per Direction:	1 lane				50	km/h		
	RISK	Score						

		RISK	Score	
A 1	GEOMETRY (Horizontal)	Lower	1	
A2	GEOMETRY (Vertical)	Lower	1	
А3	AVERAGE LANE WIDTH	Medium	4	
В	ROADSIDE HAZARDS	Lower	1	
C1	PEDESTRIAN EXPOSURE	Medium	6	
C2	CYCLIST EXPOSURE	Medium	6	
D	PAVEMENT SURFACE	Lower	1	
	NUMBER OF INTERSECTIONS WITH PUBLIC ROADS	Number of Occurrences		
	STOP controlled intersection	0		
	Signalized intersection	1		
E1	Roundabout or traffic circle	0	3	
	Crossw alk	0		
	Active, at-grade railroad crossing	0		
	Sidestreet STOP-controlled or lane	2		
	NUMBER OF INTERSECTIONS WITH PRIVATE ACCESS DRIVEWAYS	Number of Occurrences		
E2	Left turn movements permitted	26	15	
	Right-in / Right-out only			
E3	NUMBER OF INTERCHANGES	Number of Occurrences	0	
	Number of interchanges along corridor	0		
F	ON-STREET PARKING	Higher	9	



Recommended Posted Speed Limit (km/h):

As determined by road characteristics

40

As determined by policy

50

The recommended posted speed limit may be checked against the prevailing speeds of the roadway and the road's safety performance.

Comments:

Length of Corridor = 454 m



Automated Speed Limit Guidelines

FORM A - Automated Speed Limit Guidelines Spreadsheet

Version: 10-Apr-09

Name of Corridor:	Windrow Street						
Segment Evaluated:	l: Shirrick Drive		to	Silver Maple Road	lver Maple Road		
Geographic Region:	Ontario						
Road Agency:	City of Richmond Hill						
Road Classification:	Local	Length of Co	rrid	or:	540	m	
Urban / Rural:	Urban	De sign Spee Expressway, Hig		Required for Freeway,		km/h	
Divided / Undivided:	Undivide d	Current Posts (For information		# 5.7 TO 100 O O	50	km/h	
Major / Minor:	Minor		Prevailing Speed: (85th Percentile - for information only) Policy: (Maximum Posted Speed)			km/h	
# Through Lanes Per Direction:	1 lane				50	km/h	

		RISK	Score
A1	GEOMETRY (Horizontal)	Medium	2
A2	GEOMETRY (Vertical)	Lower	1
А3	AVERAGE LANE WIDTH	Medium	4
В	ROADSIDE HAZARDS	Lower	1
C1	PEDESTRIAN EXPOSURE	Lower	3
C2	CYCLIST EXPOSURE	Medium	6
D	PAVEMENT SURFACE	Lower	1
	NUMBER OF INTER SECTIONS WITH PUBLIC ROADS	Number of Occurrences	
	STOP controlled intersection	3	
	Signalized intersection	0	
E1	Roundabout or traffic circle	0	4
	Crossw alk	0	
	Active, at-grade railroad crossing	0	1
	Sidestreet STOP-controlled or lane	5	
	NUMBER OF INTER SECTIONS WITH PRIVATE ACCESS DRIVEWAYS	Number of Occurrences	
E2	Left turn movements permitted	69	15
	Right-in / Right-out only		
E3	NUMBER OF INTERCHANGES	Number of Occurrences	0
	Number of interchanges along corridor	0	
F	ON-STREET PARKING	Higher	9

