

# Appendix 'A'



# Automated Speed Limit Guidelines

## FORM A - Automated Speed Limit Guidelines Spreadsheet

Version:  
10-Apr-09

Name of Corridor:	Maley Drive			
Segment Evaluated:	Lasalle Boulevard	to	Barry Downe Road	
Geographic Region:	Sudbury			
Road Agency:	City of Greater Sudbury			
Road Classification:	Arterial	Length of Corridor:	4,500	m
Urban / Rural:	Rural	Design Speed: (Required for Freeway, Expressway, Highway)	100	km/h
Divided / Undivided:	Divided	Current Posted Speed: (For information only)		km/h
Major / Minor:	Major	Prevailing Speed: (85th Percentile - for information only)		km/h
# Through Lanes Per Direction:	2+ lanes	Policy: (Maximum Posted Speed)	No policy	

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

Total Risk Score:

30

Recommended Posted  
Speed Limit (km/h):

As determined by road characteristics

100

As determined by policy

No policy

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

Comments:



# Automated Speed Limit Guidelines

## FORM A - Automated Speed Limit Guidelines Spreadsheet

Version:  
10-Apr-09

Name of Corridor:	Maley Drive			
Segment Evaluated:	Barry Downe Road	to	Lansing Avenue	
Geographic Region:	Sudbury			
Road Agency:	City of Greater Sudbury			
Road Classification:	Arterial	Length of Corridor:	1,100	m
Urban / Rural:	Rural	Design Speed: (Required for Freeway, Expressway, Highway)	100	km/h
Divided / Undivided:	Divided	Current Posted Speed: (For information only)	70	km/h
Major / Minor:	Minor	Prevailing Speed: (85th Percentile - for information only)		km/h
# Through Lanes Per Direction:	2+ lanes	Policy: (Maximum Posted Speed)	No policy	

		RISK	Score
A1	GEOMETRY (Horizontal)	Lower	3
A2	GEOMETRY (Vertical)	Lower	3
A3	AVERAGE LANE WIDTH	Lower	3
B	ROADSIDE HAZARDS	Medium	6
C1	PEDESTRIAN EXPOSURE	Medium	4
C2	CYCLIST EXPOSURE	Medium	6
D	PAVEMENT SURFACE	Lower	3
E1	NUMBER OF INTERSECTIONS WITH PUBLIC ROADS	Number of Occurrences	5
	STOP controlled intersection	0	
	Signalized intersection	0	
	Roundabout or traffic circle	2	
	Crosswalk	0	
	Active, at-grade railroad crossing	0	
	Sidestreet STOP-controlled or lane	1	
E2	NUMBER OF INTERSECTIONS WITH PRIVATE ACCESS DRIVEWAYS	Number of Occurrences	1
	Left turn movements permitted	0	
	Right-in / Right-out only	3	
E3	NUMBER OF INTERCHANGES	Number of Occurrences	0
	Number of interchanges along corridor	0	
F	ON-STREET PARKING	N/A	0

Total Risk Score:

34

Recommended Posted  
Speed Limit (km/h):

As determined by road characteristics

90

As determined by policy

No policy

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

Comments:



# Automated Speed Limit Guidelines

## FORM A - Automated Speed Limit Guidelines Spreadsheet

Version:  
10-Apr-09

Name of Corridor:	Maley Drive			
Segment Evaluated:	Lansing Avenue	to	National Street	
Geographic Region:	Sudbury			
Road Agency:	City of Greater Sudbury			
Road Classification:	Arterial	Length of Corridor:	1,000	m
Urban / Rural:	Rural	Design Speed: (Required for Freeway, Expressway, Highway)	80	km/h
Divided / Undivided:	Undivided	Current Posted Speed: (For information only)	60	km/h
Major / Minor:	Minor	Prevailing Speed: (85th Percentile - for information only)		km/h
# Through Lanes Per Direction:	2+ lanes	Policy: (Maximum Posted Speed)	No policy	

		RISK	Score
A1	GEOMETRY (Horizontal)	Lower	3
A2	GEOMETRY (Vertical)	Lower	3
A3	AVERAGE LANE WIDTH	Lower	3
B	ROADSIDE HAZARDS	Medium	6
C1	PEDESTRIAN EXPOSURE	Medium	4
C2	CYCLIST EXPOSURE	Medium	6
D	PAVEMENT SURFACE	Lower	3
E1	NUMBER OF INTERSECTIONS WITH PUBLIC ROADS	Number of Occurrences	5
	STOP controlled intersection	0	
	Signalized intersection	0	
	Roundabout or traffic circle	1	
	Crosswalk	0	
	Active, at-grade railroad crossing	1	
	Sidestreet STOP-controlled or lane	1	
E2	NUMBER OF INTERSECTIONS WITH PRIVATE ACCESS DRIVEWAYS	Number of Occurrences	5
	Left turn movements permitted	8	
	Right-in / Right-out only	1	
E3	NUMBER OF INTERCHANGES	Number of Occurrences	0
	Number of interchanges along corridor	0	
F	ON-STREET PARKING	N/A	0

Total Risk Score:

38

Recommended Posted  
Speed Limit (km/h):

As determined by road characteristics

80

As determined by policy

No policy

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

Comments:



# Automated Speed Limit Guidelines

## FORM A - Automated Speed Limit Guidelines Spreadsheet

Version:  
10-Apr-09

Name of Corridor:	Maley Drive		
Segment Evaluated:	National Street	to	Falconbridge Road
Geographic Region:	Sudbury		
Road Agency:	City of Greater Sudbury		
Road Classification:	Arterial	Length of Corridor:	600 m
Urban / Rural:	Urban	Design Speed: (Required for Freeway, Expressway, Highway)	80 km/h
Divided / Undivided:	Undivided	Current Posted Speed: (For information only)	60 km/h
Major / Minor:	Minor	Prevailing Speed: (85th Percentile - for information only)	km/h
# Through Lanes Per Direction:	2+ lanes	Policy: (Maximum Posted Speed)	No policy

		RISK	Score
A1	GEOMETRY (Horizontal)	Lower	2
A2	GEOMETRY (Vertical)	Lower	2
A3	AVERAGE LANE WIDTH	Lower	2
B	ROADSIDE HAZARDS	Medium	2
C1	PEDESTRIAN EXPOSURE	Medium	6
C2	CYCLIST EXPOSURE	Medium	6
D	PAVEMENT SURFACE	Lower	1
E1	NUMBER OF INTERSECTIONS WITH PUBLIC ROADS	Number of Occurrences	10
	STOP controlled intersection	0	
	Signalized intersection	1	
	Roundabout or traffic circle	0	
	Crosswalk	0	
	Active, at-grade railroad crossing	0	
	Sidestreet STOP-controlled or lane	2	
E2	NUMBER OF INTERSECTIONS WITH PRIVATE ACCESS DRIVEWAYS	Number of Occurrences	15
	Left turn movements permitted	16	
	Right-in / Right-out only	0	
E3	NUMBER OF INTERCHANGES	Number of Occurrences	0
	Number of interchanges along corridor	0	
F	ON-STREET PARKING	N/A	0

Total Risk Score:

46

Recommended Posted  
Speed Limit (km/h):

As determined by road characteristics

60

As determined by policy

No policy

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

Comments: