

## Request for Decision

### Speed Limit Review - M.R. 80 - Yorkshire Drive to St. Mary Boulevard

Presented To: Operations Committee

Presented: Monday, Dec 05, 2016

Report Date: Wednesday, Nov 16, 2016

Type: Referred & Deferred Matters

### Resolution

THAT the City of Greater Sudbury reduces the speed limit on Municipal Road 80 from Yorkshire Drive to St. Mary Boulevard to 70 km/h;

AND THAT the City of Greater Sudbury reduces the speed limit on Municipal Road 80 from 60 metres south of Yorkshire Drive to Yorkshire Drive to 60 km/h;

AND THAT the City of Greater Sudbury reevaluate the speed limit on Municipal Road 80 from Yorkshire Drive to Dominion Drive when the proposed large scale commercial development on the east side of Municipal Road 80 proceeds;

AND THAT a by-law be prepared to amend the Traffic and Parking By-Law 2010-1 in the City of Greater Sudbury to implement the recommended changes in accordance with the report from the General Manager of Infrastructure Services dated October 24, 2016.

## Background

Roads and Transportation Services received a petition signed by 37 area residents requesting the speed limit on Municipal Road 80 (M.R. 80) from Yorkshire Drive to the Hanmer Mall be reduced to 60 km/h. The first page of the petition can be found in Exhibit 'A'.

In 2010, City Council adopted the use of the Canadian Guidelines for Establishing Posted Speed Limits, published by the Transportation Association of Canada, for evaluating posted speeds on arterial and major collector roadways. These guidelines assess appropriate posted speed limits based primarily on the classification, function and physical characteristics of a roadway.

This area of M.R. 80 is located in the former Town of Valley East and is classified as a primary arterial roadway due to its importance in the City's road network. It is constructed to a rural standard with two lanes for northbound traffic, two lanes for southbound traffic and a two-way centre turning lane. On the west side of the roadway there is an off-road paved trail that runs from Yorkshire Drive to Dominion Drive which is

### Signed By

#### Report Prepared By

Joe Rocca  
Traffic and Asset Management  
Supervisor  
*Digitally Signed Nov 16, 16*

#### Division Review

David Shelsted  
Director of Roads & Transportation  
Services  
*Digitally Signed Nov 16, 16*

#### Recommended by the Department

Tony Cecutti  
General Manager of Infrastructure  
Services  
*Digitally Signed Nov 16, 16*

#### Recommended by the C.A.O.

Ed Archer  
Chief Administrative Officer  
*Digitally Signed Nov 21, 16*

used by both cyclists and pedestrians (see Exhibit 'B'). In this area, M.R. 80 has an average annual daily traffic volume of approximately 15,500. The speed limit on M.R. 80 is 80 km/h from approximately 60 metres south of Yorkshire Drive to St. Mary Boulevard and is 60 km/h from St. Mary Boulevard to the Hanmer Mall.

Staff evaluated this area of M.R. 80 as two different segments; 60 metres south of Yorkshire Drive to Dominion Drive and Dominion Drive to St. Mary Boulevard. Since the existing speed limit is already 60 km/h from St. Mary Boulevard to the Hanmer Mall, this segment of the road was not evaluated.

Applying the current physical characteristics of each segment to the Canadian Guidelines for Establishing Posted Speed Limits and using a functional classification of a "four lane rural undivided major arterial" yields a total risk score of 46 and a recommended posted speed limit of 70 km/h for the 60 metres south of Yorkshire Drive to Dominion Drive segment (see Exhibit 'C') and a total risk score of 53 and a recommended posted speed limit of 70 km/h for the Dominion Drive to St. Mary Boulevard segment (see Exhibit 'D').

Staff also completed a speed study in this area of Municipal Road 80 on June 10, 2010. The study was conducted 200 metres north of Yorkshire Drive and recorded the speeds of over 31,000 vehicles. The average speed recorded was 82 km/h while the 85<sup>th</sup> percentile speed was 91 km/h. The 85<sup>th</sup> percentile speed is the speed at or below which 85 percent of drivers are travelling and is generally accepted as a good indicator of an appropriate speed limit.

## **Recommendation**

The Canadian Guidelines for Establishing Posted Speed Limits recommends that the speed limit on M.R. 80 from 60 metres south of Yorkshire Drive to St. Mary Boulevard be lowered to 70 km/h. The existing signs indicating the change from the 60 km/h speed limit to the 80 km/h speed limit are installed near Yorkshire Drive. In order to simplify the by-law and reuse the existing sign locations, it is recommended that the 60 km/h speed zone be extended north to Yorkshire Drive and the 70 km/h speed zone begin at Yorkshire Drive and continue to St. Mary Boulevard. As noted previously, the 85<sup>th</sup> percentile speed for this area of road is 91 km/h. A reduction in the speed limit will require significant police enforcement to bring operating speeds more closely in line with a posted speed limit of 70 km/h.

Additionally, a parcel of land on the east side of M.R. 80, between Yorkshire Drive and Josephine Drive, has been rezoned to permit a large scale commercial development. Through the rezoning process it was identified that this commercial development will require a full movement driveway south of Carol Street, a right-in only driveway south of John Street and a set of traffic signals at the John Street intersection. It is recommended that when this development proceeds, staff reevaluate the speed limit on M.R. 80 from Yorkshire Drive to Dominion Drive to determine if any changes should be made to the posted speed limit.

# PETITION

We, the

Residents of Community of Valley East and citizens of the City of Greater Sudbury

Identify, in general terms, who the petitioners are: for example: residents of Ward,  
Residents of Street, Residents of Community of, citizens of the City of Greater Sudbury.

Briefly state the matter or argument in support of your petition.

*This is to be included on each signature page.*

We feel that due to many safety issues the speed limit from Yorkshire Drive to the Hanmer Mall be reduced on MR80

State the specific request for action you wish Council to undertake.

*This is to be included on each signature page.*

We want council to reduce the speed from 80km down to 60km on MR80 due to the many safety issues resulting from this high speed and that we are in a residential area.

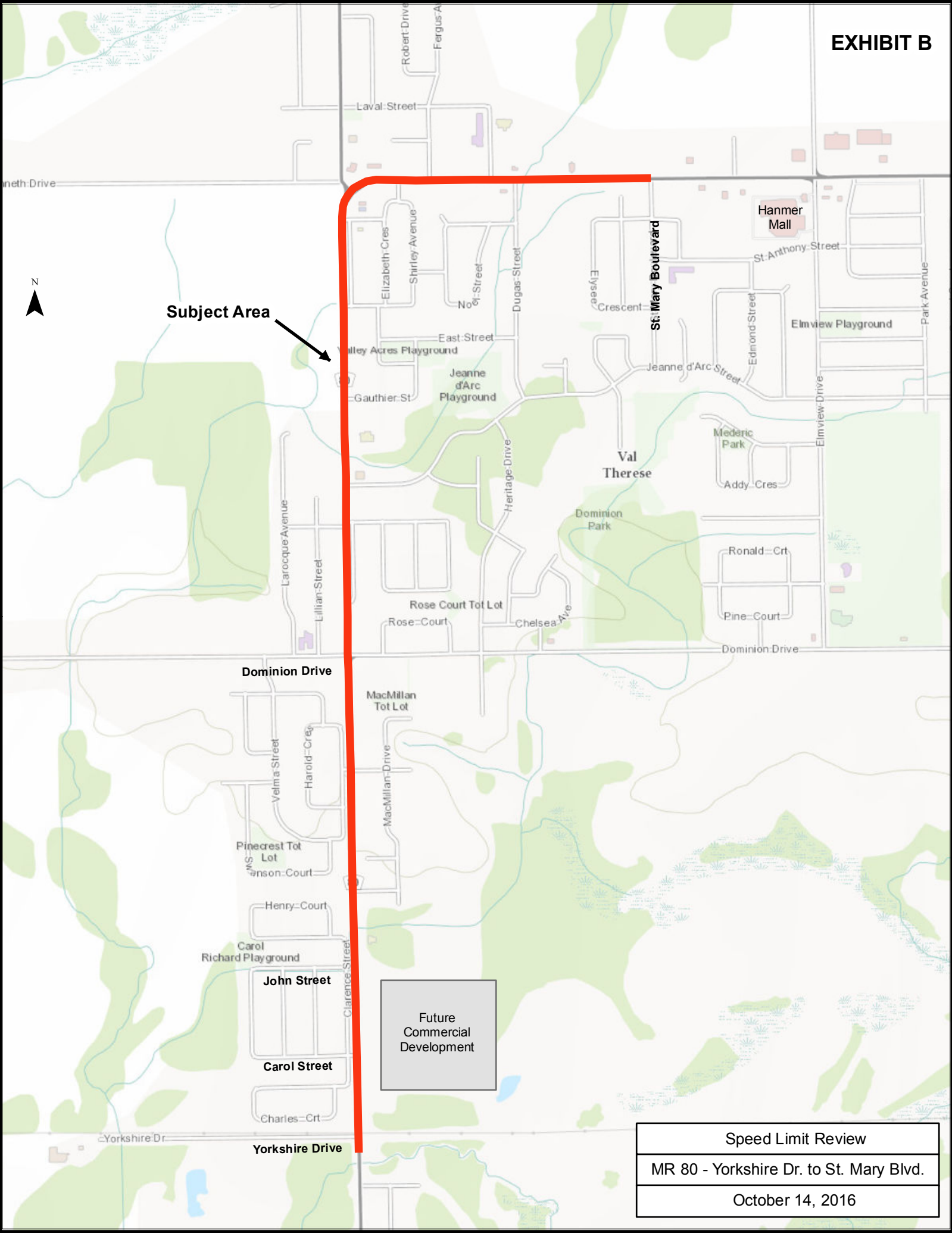
## NAME, ADDRESS AND TELEPHONE NUMBER OF THE SPOKESPERSON OR PRINCIPLE PETITIONER:

[Redacted]

Here follows the Signatures

Signatures (only original signatures are permitted-if signing on behalf of a business or organization you should indicate if you are the owner, president, secretary, treasurer, etc.)	Addresses (your residential address in the City of Greater Sudbury)
1. [Redacted]	[Redacted]
2. [Redacted]	[Redacted]
3. [Redacted]	[Redacted]

Once submitted to Council, this petition becomes a public document and is available for viewing. The information provided on a petition is not considered to be confidential information and may be seen by anyone requesting to see copies of the petition. This information will not be used by the City for any purpose other than to ensure it meets Council's requirements for a valid petition and ensure to contact with spokesperson or principal petitioner.



Subject Area

Hanmer  
Mall

St. Mary Boulevard

Val  
Therese

Dominion Drive

John Street

Carol Street

Yorkshire Drive

Future  
Commercial  
Development

Speed Limit Review

MR 80 - Yorkshire Dr. to St. Mary Blvd.

October 14, 2016



## Automated Speed Limit Guidelines

### FORM A - Automated Speed Limit Guidelines Spreadsheet

Version:  
10-Apr-09

Name of Corridor:	Old Highway 69 - Municipal Road 80		
Segment Evaluated:	60 metres south of Yorkshire Drive	to	Dominion Drive
Geographic Region:	Val Caron		
Road Agency:	City of Greater Sudbury		
Road Classification:	Arterial	Length of Corridor:	1,715 m
Urban / Rural:	Rural	Design Speed: (Required for Freeway, Expressway, Highway)	km/h
Divided / Undivided:	Undivided	Current Posted Speed: (For information only)	80 km/h
Major / Minor:	Major	Prevailing Speed: (85th Percentile - for information only)	91 km/h
# Through Lanes Per Direction:	2+ lanes	Policy: (Maximum Posted Speed)	

		RISK	Score
A1	GEOMETRY (Horizontal)	Lower	3
A2	GEOMETRY (Vertical)	Lower	3
A3	AVERAGE LANE WIDTH	Medium	6
B	ROADSIDE HAZARDS	Lower	3
C1	PEDESTRIAN EXPOSURE	Lower	2
C2	CYCLIST EXPOSURE	Lower	3
D	PAVEMENT SURFACE	Medium	6
E1	NUMBER OF INTERSECTIONS WITH PUBLIC ROADS	Number of Occurrences	12
	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	7	
E2	NUMBER OF INTERSECTIONS WITH PRIVATE ACCESS DRIVEWAYS	Number of Occurrences	8
	Left turn movements permitted	22	
	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

70

As determined by 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:	Old Highway 69 - Municipal Road 80		
Segment Evaluated:	Dominion Drive	to	St Mary Boulevard
Geographic Region:	Val Caron - Hanmer		
Road Agency:	City of Greater Sudbury		
Road Classification:	Arterial	Length of Corridor:	2,584 m
Urban / Rural:	Rural	Design Speed: (Required for Freeway, Expressway, Highway)	
Divided / Undivided:	Undivided	Current Posted Speed: (For information only)	80 km/h
Major / Minor:	Major	Prevailing Speed: (85th Percentile - for information only)	91 km/h
# Through Lanes Per Direction:	2+ lanes	Policy: (Maximum Posted Speed)	

		RISK	Score
A1	GEOMETRY (Horizontal)	Lower	3
A2	GEOMETRY (Vertical)	Lower	3
A3	AVERAGE LANE WIDTH	Medium	6
B	ROADSIDE HAZARDS	Higher	9
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	11
	STOP controlled intersection	0	
	Signalized intersection	2	
	Roundabout or traffic circle	0	
	Crosswalk	0	
	Active, at-grade railroad crossing	0	
	Sidestreet STOP-controlled or lane	8	
E2	NUMBER OF INTERSECTIONS WITH PRIVATE ACCESS DRIVEWAYS	Number of Occurrences	8
	Left turn movements permitted	34	
	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:

53

Recommended Posted  
Speed Limit (km/h):

As determined by road characteristics

70

As determined by policy

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

Comments: