

Attachment # 2
City of Naperville
Transportation and Traffic Services Team

Street: 91st Street
To: Schoger Drive
In Naperville, Naperville

From: Normantown Road
A Distance of: .50 **Miles**
Township, Will **County**

I. Spot Speed Studies

Check #	85th %	top of pace
Eastbound From 9/5/19 – 9/13/19	35 mph	37 mph
Westbound From 9/5/19 – 9/13/19	37 mph	39 mph

II. Test Runs

Run No.	Average Speed (mph)	
	nb or wb	sb or eb
NOT APPLICABLE		

III. Prevailing Speed

85th percentile average	<u>36</u>	mph
Top of pace average	<u>38</u>	mph
Test run average		mph
Prevailing Speed	<u>37</u>	mph

IV. Driveway Conflicts

Residential Drive	<u>0</u>	* 1	=	<u>0</u>
Small Business Drives	<u>6</u>	* 5	=	<u>30</u>
Large Business Drives	<u>13</u>	* 10	=	<u>130</u>
		Streets	=	<u>0</u>
Drive Conflict No. (sum of above)			=	<u>160</u>
<u>160</u>		D.C.N.	=	<u>320</u>
<u>.50</u>		Miles		conflicts
0 – 40 = 0 %				
41 – 60 = 5 %				
61 > = 10 %				

V. Miscellaneous Factors

School Pedestrian Crossings	
<u>Y</u> (5%)	<u>X</u> N (0%)
Separated Sidewalks	
<u>X</u> Y (0%)	<u></u> N (5%)
Crash/Mile, past 3 years	
Route <u>16</u>	= 0.025
Citywide Average <u>631</u>	
1.5 - 2.0 = 5%	
>2.0 and <3.0 = 10%	
>3.0 = 15%	
Parking Permitted	
None <u>X</u> (0%)	
1 lane <u></u> (5%)	

VI. Prevailing Speed Adjustment

Driveway adjustments	<u>10</u>	%
Pedestrians adjustments	<u>0</u>	%
Crash adjustments	<u>0</u>	%
Parking adjustments	<u>0</u>	%
Total	<u>10</u>	%
(20% Max or 9 mph, which ever is less)		
<u>37</u> mph * <u>10%</u>	=	<u>3.7</u>
(prev. speed)	(adj.)	
(Prev Speed - 9 mph) = Adjusted		
23.5 mph – 3.5		
Adjusted Prevailing Speed	<u>33.3</u>	(mph)

VII. Revised Speed Limit

Recommended Speed Limit	<u>35</u>	mph
Anticipated Violation Rate	<u>47.54</u>	%
Recommended by	<u>RF</u>	
Organization	<u>CON</u>	
Date	<u>10/15/19</u>	
Approved by		
Date		