

**City of Naperville
Transportation and Traffic Services Team**

Street: Country Club BL
From: Fairway Dr
Length: .24 miles

To: Basin Trail Ln
County: DuPage

I. Spot Speed Studies

Segment & Direction	85th %	top of pace
Westbound	31	31
Eastbound	29	28

9/8-
9/15

II. Test Runs

Run No.	Average Speed (mph)	
	NB/EB	SB/WB
1		
2		
3	N/A	
4		
5		

III. Prevailing Speed

85th percentile average	<u>30</u>	mph
Top of pace average	<u>29.5</u>	mph
Test run average	<u>N/A</u>	mph
Prevailing Speed	<u>29.75</u>	mph

IV. Driveway Conflicts

Single-Family Residential	<u>10</u> x1 =	<u>10</u>
Minor Intersections & Small Commercial/Residential	<u>2</u> x5 =	<u>10</u>
Major Intersections & Large Commercial/Residential	<u>0</u> x10 =	<u>0</u>
Drive Conflict Number (sum)		<u>20</u>
DCN	=	<u>83</u> conflicts per mile
miles		
0 - 40 = 0%	41 - 60 = 5%	61 > = 10%

V. Other Adjustment Factors

School Pedestrian Crossings	Y (5%) <input checked="" type="checkbox"/>	N (0%) <input type="checkbox"/>
Separated Sidewalks	Y (0%) <input checked="" type="checkbox"/>	N (5%) <input type="checkbox"/>
Crash/Mile, past 3 years	Route <u>5</u> = <u>.007</u>	
Citywide Average	631	
1.5 - 2.0 = 5%	2.1 - 3.0 = 10%	3.0+ = 15%
Parking Permitted	Y (5%) <input type="checkbox"/>	N (0%) <input checked="" type="checkbox"/>

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 (max 20%)	<u>10</u>	%
29.75 mph x	<u>.10</u>	= <u>2.975</u>
prevailing speed	adjustment total	adjustment value (max 9 mph)
Adjusted Prevailing Speed	<u>26.775</u>	(mph)

VII. Revised Speed Limit

Recommended Speed Limit	<u>25</u> mph
Anticipated Violation Rate	<u>36%</u>
Recommended by	<u>MLP</u>
Date	<u>9/25/2020</u>

City of Naperville
Transportation and Traffic Services Team

Street: Alderleaf Ln
 From: Diem Road
 Length: .33 miles

To: Country Club Bldg
 County: DuPage

I. Spot Speed Studies

9/8-7/15

Segment & Direction	85th %	top of pace
Westbound	34	30
Eastbound	33	30

II. Test Runs

Run No.	Average Speed (mph)	
	NB/EB	SB/WB
1		
2		
3	N/A	
4		
5		

III. Prevailing Speed

85th percentile average	<u>33.5</u>	mph
Top of pace average	<u>30</u>	mph
Test run average	<u>N/A</u>	mph
Prevailing Speed	<u>31.75</u>	mph

IV. Driveway Conflicts

Single-Family Residential	<u>20</u>	x1 =	<u>20</u>
Minor Intersections & Small Commercial/Residential	<u>0</u>	x5 =	<u>0</u>
Major Intersections & Large Commercial/Residential	<u>0</u>	x10 =	<u>0</u>
Drive Conflict Number (sum)			<u>20</u>
DCN	=	<u>61</u>	conflicts per mile
miles			
0 - 40 = 0%	41 - 60 = 5%	61 > = 10%	

V. Other Adjustment Factors

School Pedestrian Crossings	Y (5%) <input checked="" type="checkbox"/>	N (0%) <input type="checkbox"/>
Separated Sidewalks	Y (0%) <input checked="" type="checkbox"/>	N (5%) <input type="checkbox"/>
Crash/Mile, past 3 years	Route <u>5</u> = <u>.007</u>	
Citywide Average	631	
1.5 - 2.0 = 5%	2.1 - 3.0 = 10%	3.0+ = 15%
Parking Permitted	Y (5%) <input checked="" type="checkbox"/>	N (0%) <input type="checkbox"/>

VI. Prevailing Speed Adjustment

Driveway adjustments	<u>10</u>	%
Pedestrians adjustments	<u>0</u>	%
Crash adjustments	<u>0</u>	%
Parking adjustments	<u>5</u>	%
Total (max 20%)	<u>15</u>	%
31.75 mph x	<u>.15</u>	= <u>4.7625</u>
prevailing speed	adjustment total	adjustment value (max 9 mph)
Adjusted Prevailing Speed	<u>26.98</u>	(mph)

VII. Revised Speed Limit

Recommended Speed Limit	<u>25</u>	mph
Anticipated Violation Rate	<u>28.5%</u>	
Recommended by	<u>MLP</u>	
Date	<u>9/25/2020</u>	

**City of Naperville
Transportation and Traffic Services Team**

Street: Balsam Cove Rd.
 From: Alderleaf Ln
 Length: .23 miles

To: Shore Rd
 County: DuPage

I. Spot Speed Studies

Segment & Direction	85th %	top of pace
Westbound	32	30
Eastbound	35	31

II. Test Runs

Run No.	Average Speed (mph)	
	NB/EB	SB/WB
1		
2		
3	N/A	
4		
5		

III. Prevailing Speed

85th percentile average	<u>33.5</u>	mph
Top of pace average	<u>30.5</u>	mph
Test run average	<u>N/A</u>	mph
Prevailing Speed	<u>32</u>	mph

IV. Driveway Conflicts

Single-Family Residential	<u>26</u> x1 = <u>26</u>
Minor Intersections & Small Commercial/Residential	<u>0</u> x5 = <u>0</u>
Major Intersections & Large Commercial/Residential	<u>0</u> x10 = <u>0</u>
Drive Conflict Number (sum)	<u>26</u>
DCN	= <u>113</u> conflicts per mile
miles	
0 - 40 = 0% 41 - 60 = 5% 61 >= 10%	

V. Other Adjustment Factors

School Pedestrian Crossings	Y (5%) <input checked="" type="checkbox"/>	N (0%) <input type="checkbox"/>
Separated Sidewalks	Y (0%) <input checked="" type="checkbox"/>	N (5%) <input type="checkbox"/>
Crash/Mile, past 3 years	Route <u>3</u> = <u>.004</u> Citywide Average <u>631</u>	
	1.5 - 2.0 = 5% 2.1 - 3.0 = 10% 3.0+ = 15%	
Parking Permitted	Y (5%) <input checked="" type="checkbox"/>	N (0%) <input type="checkbox"/>

VI. Prevailing Speed Adjustment

Driveway adjustments	<u>10</u>	%
Pedestrians adjustments	<u>0</u>	%
Crash adjustments	<u>0</u>	%
Parking adjustments	<u>5</u>	%
Total (max 20%)	<u>15</u>	%
prevailing speed	<u>32</u> mph x <u>.15</u>	= <u>4.8</u>
	adjustment total	adjustment value (max 9 mph)
Adjusted Prevailing Speed	<u>27.20</u>	(mph)

VII. Revised Speed Limit

Recommended Speed Limit	<u>25</u> mph
Anticipated Violation Rate	<u>38.6%</u>
Recommended by	<u>MLP</u>
Date	<u>9/25/2020</u>