

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

Street: Falcon Drive
 From: Lancelot Lane
 Length: 0.1 miles

To: Black Alder street
 County: Will

I. Spot Speed Studies

Segment & Direction	85th %	top of pace
EB 7/13-7/20	29	30
WB 7/13-7/20	28	28

II. Test Runs

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

III. Prevailing Speed

85th percentile average	<u>28.5</u>	mph
Top of pace average	<u>29</u>	mph
Test run average	<u>—</u>	mph
Prevailing Speed	<u>28.75</u>	mph

IV. Driveway Conflicts

Single-Family Residential	<u>0</u>	x1 =	<u>0</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>0</u>
<u>0</u> DCN	=	<u>0</u> conflicts	
<u>.1</u> miles		per mile	

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>1</u> = <u>1</u> = <u>0</u>	
Citywide Average	631	
	1.5 - 2.0 = 5% 2.1 - 3.0 = 10% 3.0+ = 15%	
Parking Permitted	Y (10%) <input checked="" type="checkbox"/>	N (0%) <input type="checkbox"/>

VI. Prevailing Speed Adjustment

Driveway adjustments	<u>0</u>	%
Pedestrians adjustments	<u>0</u>	%
Crash adjustments	<u>0</u>	%
Parking adjustments	<u>10</u>	%
Total (max 20%)	<u>10</u>	%
<u>28.75</u> mph x <u>.10</u>	=	<u>2.875</u>
prevailing speed	adjustment total	adjustment value (max 9 mph)
Adjusted Prevailing Speed	<u>25.875</u>	(mph)

VII. Revised Speed Limit

Recommended Speed Limit	<u>25</u> mph
Anticipated Violation Rate	<u>26%</u>
Recommended by	<u>MP</u>
Date	<u>8/24/23</u>