

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

Street: Castle Lawn Court
 From: 75th Street
 Length: .18 miles

To: Terminus
 County: DuPage

I. Spot Speed Studies

9/11-9/18
9/11-9/18

Segment & Direction	85th %	top of pace
Southbound	27	28
Northbound	26	27

II. Test Runs

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

III. Prevailing Speed

85th percentile average	<u>26.5</u>	mph
Top of pace average	<u>27.5</u>	mph
Test run average	<u>N/A</u>	mph
Prevailing Speed	<u>27</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>144</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%)
Separated Sidewalks	Y (0%)	<input checked="" type="checkbox"/>	N (5%)
Crash/Mile, past 3 years	Route	=	<u>0</u> = <u>0</u>
Citywide Average		=	<u>631</u> = <u>0</u>
1.5 - 2.0 = 5% 2.1 - 3.0 = 10% 3.0+ = 15%			
Parking Permitted	Y (5%)	<input checked="" type="checkbox"/>	N (0%)

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>	%
<u>27</u> mph	x	<u>.15</u>
prevailing speed		adjustment total
	=	<u>4</u>
		adjustment value (max 9 mph)
Adjusted Prevailing Speed	<u>23</u>	(mph)

VII. Revised Speed Limit

Recommended Speed Limit	<u>25</u>	mph
Anticipated Violation Rate	<u>33%</u>	
Recommended by	<u>MLP</u>	
Date	<u>9/25/2020</u>	

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

Street: Paisley Lane
 From: Shandrew Drive
 Length: 1.2 miles

To: Terminus
 County: DuPage

I. Spot Speed Studies

Segment & Direction	85th %	top of pace
Northbound	17	18
Southbound	20	19

9/11-9/18
9/11-9/18

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	= $\frac{0}{631} = 0$
Citywide Average	= $\frac{0}{631} = 0$
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"/>

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>18.5</u>	mph
Top of pace average	<u>18.5</u>	mph
Test run average	<u>N/A</u>	mph
Prevailing Speed	<u>18.5</u>	mph

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>	%
18.5 mph x	<u>.15</u>	= <u>2.775</u>
prevailing speed	adjustment total	adjustment value (max 9 mph)
Adjusted Prevailing Speed		<u>16</u>
		(mph)

IV. Driveway Conflicts

Single-Family Residential	<u>21</u> x1 = <u>21</u>
Minor Intersections & Small Commercial/Residential	<u>3</u> x5 = <u>15</u>
Major Intersections & Large Commercial/Residential	<u>0</u> x10 = <u>0</u>
Drive Conflict Number (sum)	<u>34</u>
DCN	= <u>283</u> conflicts per mile
miles	
0 - 40 = 0% 41 - 60 = 5% 61 > = 10%	

VII. Revised Speed Limit

Recommended Speed Limit	<u>25</u> mph
Anticipated Violation Rate	<u>.5%</u>
Recommended by	<u>MLP</u>
Date	<u>9/25/2020</u>

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

Street: Heatherfield Circle
 From: Naper BL (North)
 Length: .37 miles

To: Naper BL (South)
 County: DuPage

I. Spot Speed Studies

Segment & Direction	85th %	top of pace
9/11-9/18 Eastbound	25	27
9/11-9/18 Westbound	27	27

II. Test Runs

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

III. Prevailing Speed

85th percentile average	<u>26</u>	mph
Top of pace average	<u>27</u>	mph
Test run average	<u>N/A</u>	mph
Prevailing Speed	<u>26.5</u>	mph

IV. Driveway Conflicts

Single-Family Residential	<u>30</u>	x1 =	<u>30</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>30</u>		
DCN	=	<u>81</u>	conflicts per mile
miles			
0 - 40 = 0%	41 - 60 = 5%	61 > = 10%	

V. Other Adjustment Factors

School Pedestrian Crossings	Y (5%)	<u>X</u>	N (0%)
Separated Sidewalks	<u>X</u> Y (0%)		N (5%)
Crash/Mile, past 3 years	Route	<u>3</u>	= <u>.005</u>
Citywide Average		631	
1.5 - 2.0 = 5% 2.1 - 3.0 = 10% 3.0+ = 15%			
Parking Permitted	<u>X</u> Y (5%)		N (0%)

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>26.5</u> mph x	<u>.15</u> adjustment total	= <u>3.975</u> adjustment value (max 9 mph)
Adjusted Prevailing Speed	<u>23</u>	(mph)	

VII. Revised Speed Limit

Recommended Speed Limit	<u>25</u>	mph
Anticipated Violation Rate	<u>30.5%</u>	
Recommended by	<u>MLP</u>	
Date	<u>9/25/2020</u>	

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

Street: Formby Road
 From: Perth Drive
 Length: 0.1 miles

To: Formby Ct / Brabazon Ct.
 County: Will

I. Spot Speed Studies

9/11-9/18
9/11-9/18

Segment & Direction	85th %	top of pace
Westbound	17	21
Eastbound	27	24

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>22</u>	mph
Top of pace average	<u>22.5</u>	mph
Test run average	<u>N/A</u>	mph
Prevailing Speed	<u>22.5</u>	mph

IV. Driveway Conflicts

Single-Family Residential	<u>11</u>	x1 =	<u>11</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>11</u>		
DCN miles	=	<u>110</u>	conflicts per mile
0 - 40 = 0% 41 - 60 = 5% 61 > = 10%			

V. Other Adjustment Factors

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

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%)		%	
prevailing speed	<u>22.5</u> mph x	<u>.15</u> adjustment total =	<u>3.375</u> adjustment value (max 9 mph)
Adjusted Prevailing Speed	<u>19</u>	(mph)	

VII. Revised Speed Limit

Recommended Speed Limit	<u>25</u>	mph
Anticipated Violation Rate	<u>12.8%</u>	
Recommended by	<u>MLP</u>	
Date	<u>9/25/2020</u>	

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

Street: Shandrew Drive
 From: Ogden Avenue
 Length: .2 miles

To: Blakely Lane
 County: DuPage

I. Spot Speed Studies

9/11-9/18
 9/11-9/18

Segment & Direction	85th %	top of pace
Northbound	29	28
Southbound	30	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>29.5</u>	mph
Top of pace average	<u>29</u>	mph
Test run average	<u>N/A</u>	mph
Prevailing Speed	<u>29.5</u>	mph

IV. Driveway Conflicts

Single-Family Residential	<u>0</u> x1 = <u>0</u>	
Minor Intersections & Small Commercial/Residential	<u>6</u> x5 = <u>30</u>	
Major Intersections & Large Commercial/Residential	<u>0</u> x10 = <u>0</u>	
Drive Conflict Number (sum)	<u>30</u>	
DCN miles	= <u>150</u> conflicts per mile	
0 - 40 = 0%	41 - 60 = 5%	61 > = 10%

V. Other Adjustment Factors

School Pedestrian Crossings	Y (5%) <u>X</u>	N (0%)
Separated Sidewalks	<u>X</u> Y (0%)	N (5%)
Crash/Mile, past 3 years	Route <u>0</u> = <u>0</u>	
Citywide Average	= $\frac{0}{631}$ = <u>0</u>	
1.5 - 2.0 = 5% 2.1 - 3.0 = 10% 3.0+ = 15%		
Parking Permitted	<u>X</u> Y (5%)	N (0%)

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>29.5</u> mph x	$\frac{15}{100}$ = <u>4.425</u>
adjustment total		adjustment value (max 9 mph)
Adjusted Prevailing Speed	<u>25</u>	(mph)

VII. Revised Speed Limit

Recommended Speed Limit	<u>25</u> mph
Anticipated Violation Rate	<u>467.</u>
Recommended by	<u>MLP</u>
Date	<u>9/25/2020</u>

City of Naperville
Transportation and Traffic Services Team

Street: Centennial Court
From: Jackson Avenue
Length: .06 miles

To: Terminus
County: DuPage

I. Spot Speed Studies

Segment & Direction	85th %	top of pace
9/11-9/18 Northbound	17	18
9/11-9/18 Southbound	17	19

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>17</u>	mph
Top of pace average	<u>18.5</u>	mph
Test run average	<u>N/A</u>	mph
Prevailing Speed	<u>18</u>	mph

IV. Driveway Conflicts

Single-Family Residential	<u>5</u> x1 =	<u>5</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>5</u>
DCN	=	<u>83</u> conflicts per mile
miles		
0 - 40 = 0% 41 - 60 = 5% 61 > = 10%		

V. Other Adjustment Factors

<input checked="" type="checkbox"/> Y (5%)	School Pedestrian Crossings	<input type="checkbox"/> N (0%)
<input checked="" type="checkbox"/> Y (0%)	Separated Sidewalks	<input type="checkbox"/> N (5%)
Crash/Mile, past 3 years		
Route	<u>1</u>	
Citywide Average	= $\frac{1}{631}$	= <u>.001</u>
1.5 - 2.0 = 5% 2.1 - 3.0 = 10% 3.0+ = 15%		
<input checked="" type="checkbox"/> Y (5%)	Parking Permitted	<input type="checkbox"/> N (0%)

VI. Prevailing Speed Adjustment

Driveway adjustments	<u>10</u>	%
Pedestrians adjustments	<u>5</u>	%
Crash adjustments	<u>0</u>	%
Parking adjustments	<u>5</u>	%
Total (max 20%)	<u>20</u>	%
<u>18</u> mph x	<u>.20</u>	= <u>3.6</u>
prevailing speed	adjustment total	adjustment value (max 9 mph)
Adjusted Prevailing Speed <u>14</u> (mph)		

VII. Revised Speed Limit

Recommended Speed Limit	<u>25</u> mph
Anticipated Violation Rate	<u>0%</u>
Recommended by	<u>MLP</u>
Date	<u>9/25/2020</u>