



**Mayor**  
Andy Cook

**City Council**  
Jim Ake  
John Dippel  
Steven Hoover  
Robert L. Horkay  
Robert J. Smith  
Cindy L. Spoljaric  
Robert W. Stokes

**Clerk Treasurer**  
Cindy J. Gossard

**Public Works Department**

(317) 804-3100 office  
(317) 804-3190 fax

2706 East 171st Street  
Westfield, IN 46074  
[westfield.in.gov](http://westfield.in.gov)

# Memorandum

To: Westfield Community Association Network (WeCAN)

Date: July 30, 2013

## Traffic Regulations – Understanding Speed Limits & Design Parameters

1. How are roads adopted into Westfield control?
  - a. Annexation
  - b. New development
2. How are speed limits assigned?
  - a. Existing speed zoning
  - b. Designed infrastructure – New development
    - i. Real estate developers
    - ii. INDOT
    - iii. City of Westfield
    - iv. Hamilton County (minimal)
  - c. Regulated & enforceable by ordinance (City Council)
3. What goes into proper design and speed zoning?
  - a. Thoroughfare plan
    - i. Set the classification
    - ii. Establishes the type of road
    - iii. Open to change
  - b. Needs assessment – Planning for the future
  - c. Design Parameters:
    - i. Road geometry
    - ii. Clear zone
    - iii. Curbing
    - iv. Line of sight
      1. Horizontal
      2. Vertical
  - d. Traffic volumes & Types of vehicles
4. Evolution of speed zones
  - a. Request
    - i. Community or City Council request
    - ii. Police request
  - b. Data collection
  - c. Survey
  - d. Speed Study Report
5. Questions & Answers



**Board of Works**

Andy Cook  
Randy Graham  
Kate Snedecker

**Clerk Treasurer**

Cindy J. Gossard

**Speed Zone Study – Why are road speeds what they are?**

Recently there have been several inquiries into getting the speed limit lowered (Springmill Rd from 146<sup>th</sup> St to 156<sup>th</sup> St) or raised (169<sup>th</sup> St from Gray Rd to Carey Rd). The engineering division of the Public Works Department has put together a list of roads that could potentially have their speed limit raised or lowered. The roads being investigated are listed below. Please check the box in the Agree/Disagree column with the action being proposed for each road.

<u>Street</u>	<u>From</u>	<u>To</u>	<u>Speed</u>	<u>Action</u>	<u>Agree/Disagree</u>	
151 <sup>st</sup> St	Gray Rd	Cary Rd	30	Increase	<input type="checkbox"/>	<input type="checkbox"/>
156 <sup>th</sup> St	Oak Ridge	Towne Rd	50	Decrease	<input type="checkbox"/>	<input type="checkbox"/>
166 <sup>th</sup> St	Ditch Rd	LEC	45	Decrease	<input type="checkbox"/>	<input type="checkbox"/>
169 <sup>th</sup> St	Gray Rd	Cary Rd	30	Increase	<input type="checkbox"/>	<input type="checkbox"/>
191 <sup>st</sup> St	US 31	Tomlinson Rd	30	Increase	<input type="checkbox"/>	<input type="checkbox"/>
191 <sup>st</sup> St	Tomlinson Rd	Springmill Rd	45	Decrease	<input type="checkbox"/>	<input type="checkbox"/>
Ditch Rd	146 <sup>th</sup> St	SR 32	50	Decrease	<input type="checkbox"/>	<input type="checkbox"/>
Springmill Rd	146 <sup>th</sup> St	SR 32	45	Decrease	<input type="checkbox"/>	<input type="checkbox"/>

We are looking into people’s attitudes about driving in Westfield. Below is a short survey. Please take a few moments to fill out.

Thank You!!

**Public Works Department**

(317) 804-3150 office  
(317) 804-3181 fax

2728 East 171st Street  
Westfield, IN 46074  
[westfield.in.gov](http://westfield.in.gov)

1. What do you consider should be the City wide maximum speed for cars?  
(Please check one box only)

- 50 mph
- 45 mph
- 40 mph
- 35 mph
- 30 mph
- 25 mph
- 20 mph
- Other – please specify: \_\_\_\_\_mph

2. What do you consider should be the maximum speed for cars in urban or built-up areas? (Please check one box only)

- 50 mph
- 45 mph
- 40 mph
- 35 mph
- 30 mph
- 25 mph
- 20 mph
- Other – please specify: \_\_\_\_\_mph

3. What factors do you believe should be used in deciding on an appropriate speed for a road?

- Road width
- Objects next to the roadway i.e. trees, telephone poles, ponds etc.
- 85% Speed (the speed at or below which 85% of traffic is moving)
- Stopping Sight Distance (how far one can see and safely stop if an obstruction enters the path of travel)
- All the above

4. Do you agree that the maximum speed for cars in subdivisions and distinct residential areas should be 20mph?

- Yes
- No

5. Which other areas do you consider should have their maximum speed for cars set to 20mph? (Please check any that apply)

- No other areas
- Outside schools at all times
- Outside schools part-time
- Other – please specify: \_\_\_\_\_

**Public Works Department**

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(317) 804-3190 fax

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6. When driving do you (remember this survey is anonymous)?

- Drive the posted speed limit.
- Go with the flow of traffic
- 5-10mph over the posted speed limit
- 10-15mph over the posted speed limit
- 5-10mph below the posted speed limit
- Other – please specify: \_\_\_\_\_

7. Have you ever received a speeding ticket in Westfield?

- Yes
- No

8. If you answered “Yes” to question 7, could you please list the road you were travelling on and how fast you were going?

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9. Are there any other roads not listed that should have their posted speed limit reviewed?

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10. Do you have any additional comments?

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Thank you again for your participation in this survey. We appreciate the input and we will get back to the WeCan group with the results.

Sincerely,  
Robert Kmetz  
[rkmetz@westfield.in.gov](mailto:rkmetz@westfield.in.gov)  
317-804-3137

**Public Works Department**

(317) 804-3100 office  
(317) 804-3190 fax

2706 East 171st Street  
Westfield, IN 46074  
[westfield.in.gov](http://westfield.in.gov)



# 151st St West of Setters Rd

Westfield, IN  
Speed Report

COMBINED

## Report for 6/3/2013 to Midnight

Vehicles	Peak Periods			
	AM		PM	
3,900	Time	07:00	Time	05:00
	Count	335	Count	441
	PHF	0.846	PHF	0.934

### CLASS STATISTICS - Modified Scheme F

Class	Motorcycle	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	No Class
Count	7	2943	730	21	157	11	3	26	2	0	0	0	0	0
Percent	0.2	75.5	18.7	0.5	4.0	0.3	0.1	0.7	0.1	0.0	0.0	0.0	0.0	0.0

### SPEED STATISTICS - 15 to 70+ by 5 MPH

Speed in MPH	1 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41 - 45	46 - 50	51 - 55	56 - 60	61 - 65	66 - 70	71 - 75	76 - 999
Count	6	14	8	88	778	1397	1145	403	56	5	0	0	0	0
Percent	0.2	0.4	0.2	2.3	19.9	35.8	29.4	10.3	1.4	0.1	0.0	0.0	0.0	0.0

Over Speed	15	20	25	30	35	40	45	50	55	60	65	70	75	999
Count	3894	3880	3872	3784	3006	1609	464	61	5	0	0	0	0	0
Percent	99.8	99.5	99.3	97.0	77.1	41.3	11.9	1.6	0.1	0.0	0.0	0.0	0.0	0.0

Percentile	5%	10%	15%	45%	50%	55%	85%	90%	95%
Speed	32	33	34	39	39	40	45	46	48

Average 39  
(Mean)

Pace Speed 35-44  
Number in 2586  
Pace

Percent in 66.3  
Pace

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**MISC. STATISTICS**

Number of Axles	2	3	4	5	6	7	8	9	10	11	12
Avg. Wheelbase	117.0	300.0	418.9	427.5	0	0	0	0	0	0	0

Axles Per 2.02  
Vehicle



# 151st St West of Setters Rd

Westfield, IN  
Speed Report

## COMBINED

Speed	Volume
11	1
12	2
13	1
14	1
15	1
16	8
17	0
18	3
19	3
20	0
21	2
22	1
23	0
24	0
25	5
26	3
27	8
28	13
29	21
30	43
31	76
32	114
33	171
34	188
35	229
36	224
37	251
38	293
39	321
40	308
41	290
42	239
43	225
44	206
45	185
46	148
47	103
48	52
49	53
50	47
51	20
52	22
53	7
54	5
55	2
56	1
57	2
58	1
59	1



# 151st St West of Setters Rd

Westfield, IN  
Speed Report

COMBINED

Report for Tuesday, June 04, 2013

Vehicles	Peak Periods			
	AM		PM	
3,950	Time	07:00	Time	05:15
	Count	325	Count	405
	PHF	0.739	PHF	0.904

**CLASS STATISTICS - Modified Scheme F**

Class	Motorcycle	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	No Class
Count	13	3007	728	12	134	14	4	36	1	0	0	0	0	1
Percent	0.3	76.1	18.4	0.3	3.4	0.4	0.1	0.9	0.0	0.0	0.0	0.0	0.0	0.0

**SPEED STATISTICS - 15 to 70+ by 5 MPH**

Speed in MPH	1 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41 - 45	46 - 50	51 - 55	56 - 60	61 - 65	66 - 70	71 - 75	76 - 999
Count	1	15	9	110	729	1446	1186	391	61	2	0	0	0	0
Percent	0.0	0.4	0.2	2.8	18.5	36.6	30.0	9.9	1.5	0.1	0.0	0.0	0.0	0.0

Over Speed	15	20	25	30	35	40	45	50	55	60	65	70	75	999
Count	3949	3934	3925	3815	3086	1640	454	63	2	0	0	0	0	0
Percent	100.0	99.6	99.4	96.6	78.1	41.5	11.5	1.6	0.1	0.0	0.0	0.0	0.0	0.0

Percentile	5%	10%	15%	45%	50%	55%	85%	90%	95%
Speed	31	33	34	39	39	40	45	46	48

Average 39  
(Mean)

Pace Speed 35-44  
Number in 2663  
Pace

Percent in 67.4  
Pace

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**MISC. STATISTICS**

Number of Axles	2	3	4	5	6	7	8	9	10	11	12
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Avg. Wheelbase	114.4	298.6	433.0	367.3	0	386.0	0	0	0	0	0
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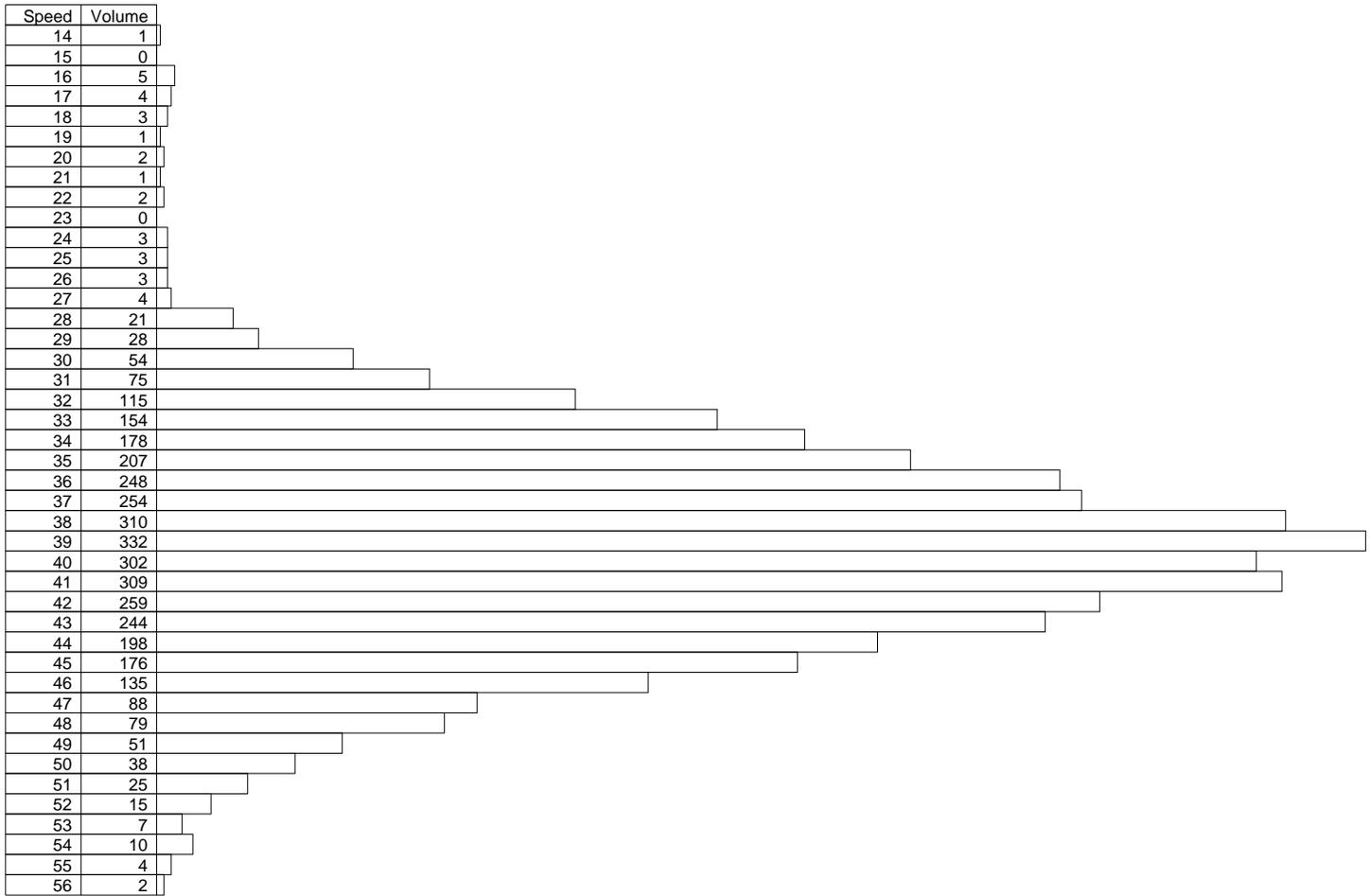
Axles Per Vehicle 2.03



# 151st St West of Setters Rd

Westfield, IN  
Speed Report

COMBINED





# 151st St West of Setters Rd

Westfield, IN

Speed Report

COMBINED

## Report for Wednesday, June 05, 2013

Vehicles	Peak Periods			
	AM		PM	
4,236	Time	07:00	Time	05:00
	Count	360	Count	456
	PHF	0.804	PHF	0.891

### CLASS STATISTICS - Modified Scheme F

Class	Motorcycle	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	No Class
Count	10	3148	828	22	173	16	7	28	2	0	0	0	0	2
Percent	0.2	74.3	19.5	0.5	4.1	0.4	0.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0

### SPEED STATISTICS - 15 to 70+ by 5 MPH

Speed in MPH	1 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41 - 45	46 - 50	51 - 55	56 - 60	61 - 65	66 - 70	71 - 75	76 - 999
Count	7	12	2	94	757	1584	1308	401	60	11	0	0	0	0
Percent	0.2	0.3	0.0	2.2	17.9	37.4	30.9	9.5	1.4	0.3	0.0	0.0	0.0	0.0

Over Speed	15	20	25	30	35	40	45	50	55	60	65	70	75	999
Count	4229	4217	4215	4121	3364	1780	472	71	11	0	0	0	0	0
Percent	99.8	99.6	99.5	97.3	79.4	42.0	11.1	1.7	0.3	0.0	0.0	0.0	0.0	0.0

Percentile	5%	10%	15%	45%	50%	55%	85%	90%	95%
Speed	32	33	34	39	39	40	45	46	48

Average 39  
(Mean)

Pace Speed 35-44  
Number in 2930  
Pace

Percent in 69.2  
Pace

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**MISC. STATISTICS**

Number of Axles	2	3	4	5	6	7	8	9	10	11	12
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Avg. Wheelbase	117.5	291.8	409.0	385.2	0	0	0	0	0	0	0
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Axles Per 2.03  
Vehicle



# 151st St West of Setters Rd

## Westfield, IN Speed Report

### COMBINED

Speed	Volume
7	1
8	0
9	0
10	0
11	0
12	1
13	2
14	2
15	1
16	6
17	2
18	1
19	2
20	1
21	1
22	0
23	1
24	0
25	0
26	7
27	3
28	12
29	21
30	51
31	72
32	129
33	164
34	186
35	206
36	279
37	324
38	343
39	326
40	312
41	300
42	322
43	253
44	265
45	168
46	120
47	132
48	60
49	50
50	39
51	34
52	12
53	7
54	3
55	4
56	5
57	4
58	1
59	0
60	1



# 151st St West of Setters Rd

Westfield, IN  
Speed Report

COMBINED

## Report for Thursday, June 06, 2013, Midnight to 08:59 AM

Vehicles	Peak Periods	
	AM	PM
680	Time 07:00	Time -
	Count 318	Count -
	PHF 0.795	PHF -

### CLASS STATISTICS - Modified Scheme F

Class	Motorcycle	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	No Class
Count	0	464	170	4	34	2	1	4	1	0	0	0	0	0
Percent	0.0	68.2	25.0	0.6	5.0	0.3	0.1	0.6	0.1	0.0	0.0	0.0	0.0	0.0

### SPEED STATISTICS - 15 to 70+ by 5 MPH

Speed in MPH	1 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41 - 45	46 - 50	51 - 55	56 - 60	61 - 65	66 - 70	71 - 75	76 - 999
Count	0	0	3	23	141	248	190	66	8	1	0	0	0	0
Percent	0.0	0.0	0.4	3.4	20.7	36.5	27.9	9.7	1.2	0.1	0.0	0.0	0.0	0.0

Over Speed	15	20	25	30	35	40	45	50	55	60	65	70	75	999
Count	680	680	677	654	513	265	75	9	1	0	0	0	0	0
Percent	100.0	100.0	99.6	96.2	75.4	39.0	11.0	1.3	0.1	0.0	0.0	0.0	0.0	0.0

Percentile	5%	10%	15%	45%	50%	55%	85%	90%	95%
Speed	31	32	34	38	39	40	45	46	48

Average 39  
(Mean)

Pace Speed 35-44  
Number in 452  
Pace

Percent in 66.5  
Pace

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**MISC. STATISTICS**

Number of Axles	2	3	4	5	6	7	8	9	10	11	12
Avg. Wheelbase	118.1	307.7	409.3	711.0	0	0	0	0	0	0	0
Axles Per Vehicle	2.03										



# 151st St West of Setters Rd

Westfield, IN  
Speed Report

## COMBINED

Speed	Volume
21	1
22	0
23	2
24	0
25	0
26	1
27	1
28	4
29	5
30	12
31	13
32	29
33	24
34	26
35	49
36	52
37	46
38	54
39	47
40	49
41	51
42	48
43	24
44	32
45	35
46	24
47	9
48	16
49	11
50	6
51	2
52	5
53	1
54	0
55	0
56	1



# 151st St West of Setters Rd

Westfield, IN  
Speed Report

COMBINED

Report for 6/3/2013 to 6/6/2013 8:59:29 AM

## CLASS STATISTICS - Modified Scheme F

Class	Motorcycle	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	No Class
Count	30	9562	2456	59	498	43	15	94	6	0	0	0	0	3
Percent	0.2	74.9	19.2	0.5	3.9	0.3	0.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0

## SPEED STATISTICS - 15 to 70+ by 5 MPH

Speed in MPH	1 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41 - 45	46 - 50	51 - 55	56 - 60	61 - 65	66 - 70	71 - 75	76 - 999
Count	14	41	22	315	2405	4675	3829	1261	185	19	0	0	0	0
Percent	0.1	0.3	0.2	2.5	18.8	36.6	30.0	9.9	1.4	0.1	0.0	0.0	0.0	0.0

Over Speed	15	20	25	30	35	40	45	50	55	60	65	70	75	999
Count	12752	12711	12689	12374	9969	5294	1465	204	19	0	0	0	0	0
Percent	99.9	99.6	99.4	96.9	78.1	41.5	11.5	1.6	0.1	0.0	0.0	0.0	0.0	0.0

Percentile	5%	10%	15%	45%	50%	55%	85%	90%	95%
Speed	32	33	34	39	39	40	45	46	48

Average 39  
(Mean)

Pace Speed 35-44  
Number in 8631  
Pace  
Percent in 67.6  
Pace

## MISC. STATISTICS

Number of Axles	2	3	4	5	6	7	8	9	10	11	12
Avg. Wheelbase	116.4	296.5	420.2	413.4	0	386.0	0	0	0	0	0
Axles Per Vehicle	2.03										



# 151st St West of Setters Rd

## Westfield, IN Speed Report

### COMBINED

Speed	Volume
7	1
8	0
9	0
10	0
11	1
12	3
13	3
14	4
15	2
16	19
17	6
18	7
19	6
20	3
21	5
22	3
23	3
24	3
25	8
26	14
27	16
28	50
29	75
30	160
31	236
32	387
33	513
34	578
35	691
36	803
37	875
38	1000
39	1026
40	971
41	950
42	868
43	746
44	701
45	564
46	427
47	332
48	207
49	165
50	130
51	81
52	54
53	22
54	18
55	10
56	9
57	6
58	2
59	1
60	1