

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

July 22, 2016 ~ 9:00 AM

5510 Overland Ave, Room 271

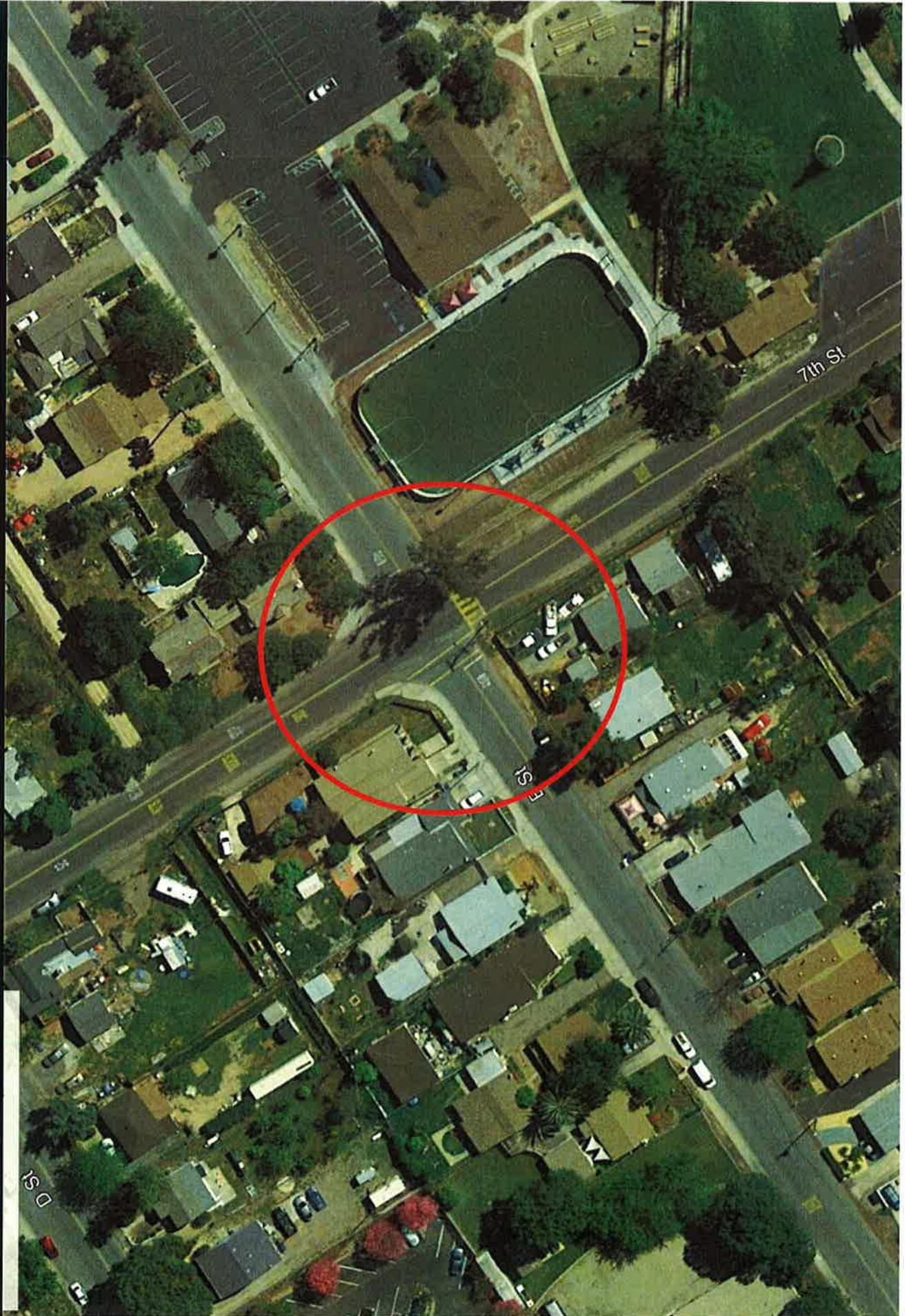
San Diego CA, 92123

AGENDA

- I. Call to Order / Roll Call**
- II. Pledge of Allegiance**
- III. Approval of Minutes**
- IV. Items for Review:**

SUBJECT	LOCATION	AREA	PLANNING/ SPONSOR GROUP
<u>SUPERVISORIAL DISTRICT 2</u>			
2-A. INTERSECTION REVIEW	SEVENTH STREET AND E STREET	RAMONA	RAMONA
2-B. RADAR RECERTIFICATION	GRANITE HILLS DRIVE	GRANITE HILLS	CREST/DEHESA
2-C. RADAR RECERTIFICATION	LAKESHORE DRIVE	LAKESIDE	LAKESIDE
<u>SUPERVISORIAL DISTRICT 5</u>			
5-A. RADAR RECERTIFICATION	CALZADA DEL BOSQUE	RANCHO SANTA FE	SAN DIEGUITO
5-B. RADAR RECERTIFICATION	FRUITVALE ROAD	VALLEY CENTER	VALLEY CENTER

2-A. Seventh Street and E Street
Intersection Review



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: July 22, 2016 **Item 2-A**

SUPERVISORIAL DISTRICT: 2

SUBJECT: All-Way Stop

LOCATION: Seventh Street and E Street (Thos. Bros. 1152 H-6)
RAMONA - Ramona Community Planning Group

INITIATED BY: DPW Traffic Engineering

REQUEST: Intersection Review

PROBLEM AS STATED BY REQUESTER:

This intersection is in close proximity to neighborhood schools and serves school age pedestrians at the crosswalk on the west leg of this intersection. The Ramona Community Planning Group and the local School Principals all support the request for an all-way stop control at this intersection.

Existing Traffic Devices

Seventh Street is a striped two-lane roadway that intersects E Street, runs north/south and measures 35 feet wide. It is located within a School Zone and has an existing marked yellow crosswalk on the south leg and school related pavement legends approaching the intersection. This roadway is classified as a Light Collector on the County General Plan Mobility Element Network.

E Street is a striped two-lane roadway that intersects Seventh Street. It measures 34 feet wide and is stop controlled. This roadway is unclassified on the County General Plan Mobility Element Network.

Average Daily Traffic Volumes

4/16

Seventh Street:	1,066 NB 1,223 SB
E Street:	199 EB 594 WB

Collisions

There has been one reported non-injury collision at this intersection in the last five year two month period, 1-1-11 to 02-29-16.



County of San Diego

DEPARTMENT OF PUBLIC WORKS
5510 OVERLAND AVE, SUITE 410
SAN DIEGO, CALIFORNIA 92123-1237
(858) 694-2212 FAX: (858) 694-3597
Web Site: www.sdcountry.ca.gov/dpw/

COUNTY TRAFFIC ENGINEER RECOMMENDATION

Date: May 02, 2016

Item Title: All-way Stop Control

Location: Seventh Street at E Street
Ramona Community

CTE Recommendation: Installation of an all-way stop control

A handwritten signature in blue ink, appearing to read "ZAO".

Conditions:

- The intersection of Seventh Street and E street is stop controlled for EB and WB traffic travelling on E Street.
- There is a yellow marked crosswalk on the south leg of Seventh Street and on the west leg of E Street. The marked crosswalk serves school age pedestrians. Ramona Elementary, Montessori Children's Elementary, Future Bound Independent Study Secondary, Montecido High Construction schools on the west side and Collier County Park on the east side of the intersection. All school principals support installation of the all-way stop control. They all indicated concern with the speed of vehicles and the amount of pedestrian crossing the uncontrolled leg.

2-B. Granite Hills Drive, between the El Cajon City Limits (near Dehesa Road and Melody Lane), (0.61 miles) Radar Recertification



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: July 22, 2016 **Item 2-B**

SUPERVISORIAL DISTRICT: 2

SUBJECT: Radar Recertification

LOCATION: Granite Hills Drive, between the El Cajon City Limits (near Dehesa Road and Melody Lane), (a distance of 0.61 miles) GRANITE HILLS (Thos. Bros. 1252 B-5) Crest/Dehesa Community Planning Group

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Recertification of the Existing 40 MPH Speed Limit

PROBLEM AS STATED BY REQUESTER:

Preliminary review of prevailing speeds and roadway conditions could support radar recertification for the existing 40 MPH speed limit.

Existing Traffic Devices

Granite Hills Drive is a striped two-lane Through Highway that varies from 33 feet to 50 feet in width. It has a two-way left-turn lane separating both directions of travel. There are also bike lanes along both sides of the road. The road is posted 40 MPH. In the City of El Cajon, Granite Hills Drive is also posted 40 MPH. (NOTE: This roadway is classified as a Collector on the Mobility Element Map.)

<u>Average Daily Traffic Volumes</u>		<u>07/16</u>	<u>04/10</u>	
Granite Hills Drive: S/o of Arvilla Lane		6,150	7,230	
<u>Spot Speed Data</u>		<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
Granite Hills Drive: 350' S/o Arvilla Lane		(2016) 44.3 MPH	36-45	87%
	(2010)	46.0 MPH	36-45	69%
650' S/o Melody Lane		(2016) 44.3 MPH	36-45	86%
	(1990)	44.6 MPH	37-46	85%

Collision Data

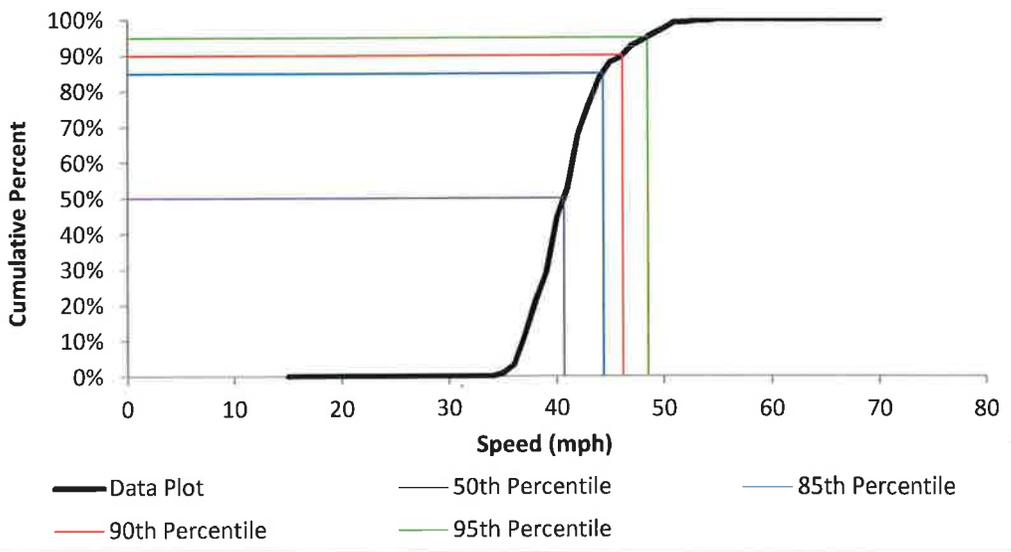
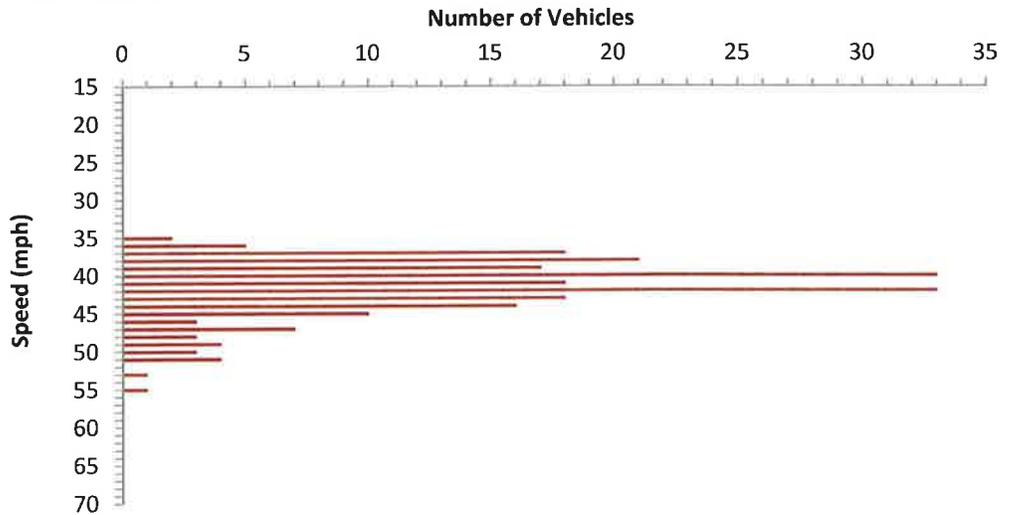
There have been three reported collisions along this segment, one of which involved injury, in the last five year two month period 1-1-11 to 2-29-16.



RADAR SPEED SURVEY SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name: Granite Hills Dr	From: 0	To: 0
Position: 350' S/O Arvilla Ln	Direction: EB/WB	
Date: 7/1/2016	Weather: clear	Project Number: 0
Time Start: 12:30 PM	Road Condition: dry	Observer: 0
Time End: 2:30 PM	Posted Speed: 40 MPH	Calibration Test: N

Speed (mph)	Num. Veh.	Cum. Pct.
15		
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26		
27		
28		
29		
30		
31		
32		
33		
34		
35	2	0.9%
36	5	3.2%
37	18	11.5%
38	21	21.2%
39	17	29.0%
40	33	44.2%
41	18	52.5%
42	33	67.7%
43	18	76.0%
44	16	83.4%
45	10	88.0%
46	3	89.4%
47	7	92.6%
48	3	94.0%
49	4	95.9%
50	3	97.2%
51	4	99.1%
52		
53	1	99.5%
54		
55	1	100.0%
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68		
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Total	217	



DATA ANALYSIS

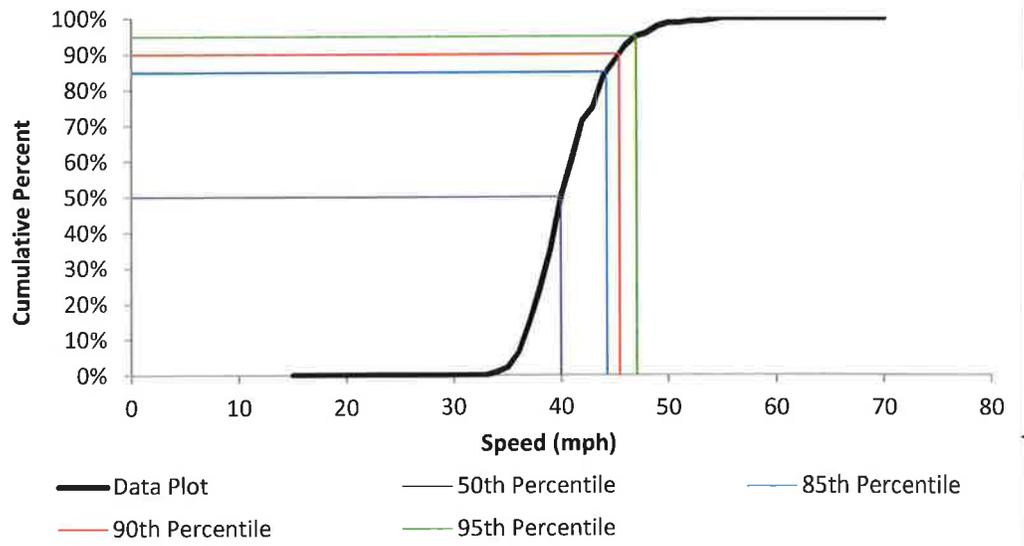
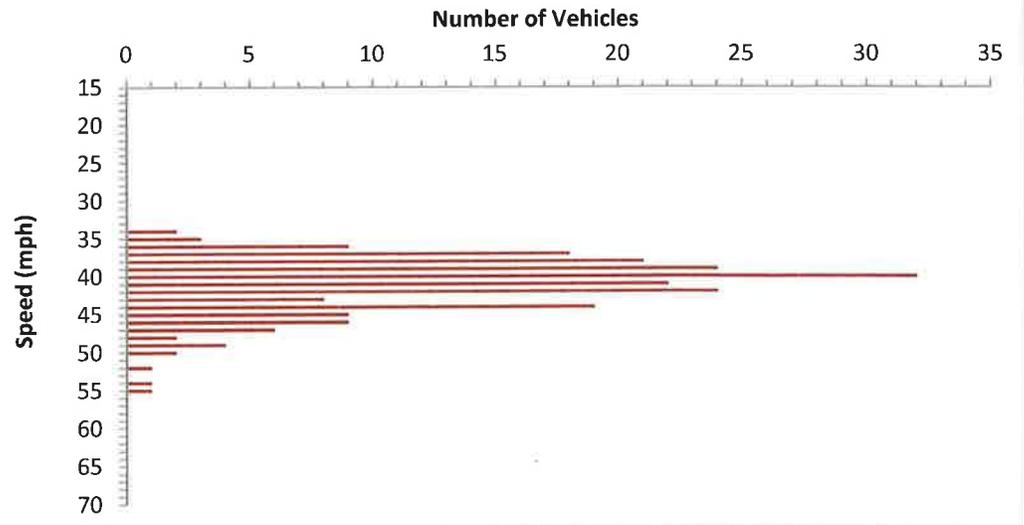
Average Speed	41.6	Range	35 - 55
50th Percentile	40.7	10 mph Pace	36 - 45
85th Percentile	44.3	Number in Pace	189
90th Percentile	46.2	Percent in Pace	87%
95th Percentile	48.5		



RADAR SPEED SURVEY SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name: Granite Hills Dr	From: 0	To: 0
Position: 650' S/O Melody Ln	Direction: EB/WB	
Date: 7/1/2016	Weather: clear	Project Number: 0
Time Start: 9:00 AM	Road Condition: dry	Observer: 0
Time End: 11:00 AM	Posted Speed: 40 MPH	Calibration Test: N

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
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18		
19		
20		
21		
22		
23		
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25		
26		
27		
28		
29		
30		
31		
32		
33		
34	2	0.9%
35	3	2.3%
36	9	6.5%
37	18	14.7%
38	21	24.4%
39	24	35.5%
40	32	50.2%
41	22	60.4%
42	24	71.4%
43	8	75.1%
44	19	83.9%
45	9	88.0%
46	9	92.2%
47	6	94.9%
48	2	95.9%
49	4	97.7%
50	2	98.6%
51		
52	1	99.1%
53		
54	1	99.5%
55	1	100.0%
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69		
70		
Total	217	



DATA ANALYSIS

Average Speed	41.1	Range	34 - 55
50th Percentile	40.0	10 mph Pace	36 - 45
85th Percentile	44.3	Number in Pace	186
90th Percentile	45.5	Percent in Pace	86%
95th Percentile	47.1		

2-C. Lakeshore Drive, from Vine Street easterly to Lakeview Road (a distance of 0.93 miles)
Radar Recertification



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: July 22, 2016 **Item 2-C**

SUPERVISORIAL DISTRICT: 2

SUBJECT: Radar Recertification

LOCATION: Lakeshore Drive, from Vine Street easterly to Lakeview Road (a distance of 0.86 miles) LAKESIDE (Thos. Bros. 1232 B-3) Lakeside Community Planning Group

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Recertification of the Existing 35 MPH Speed Limit

PROBLEM AS STATED BY REQUESTER:

Preliminary review of prevailing speeds and roadway conditions could support radar recertification for the existing 35 MPH speed limit.

Existing Traffic Devices

Lakeshore Drive is a striped two-lane Through Highway that varies from 26 to 42 feet in width. There is edge-striping along both sides of the roadway between Vine Street and Petite Lane. There is an all-way stop control at its intersection with Pino Drive. The road is posted 35 MPH/Radar Certified. (NOTE: This roadway is unclassified on the Mobility Element Map.)

<u>Average Daily Traffic Volumes</u>	<u>07/16</u>	<u>04/10</u>
Lakeshore Drive: E/o Vine Street	5,370	6,500 (estimate)

<u>Spot Speed Data</u>	<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
Lakeshore Drive: 230' W/o Lindo Lake PI	2016 38.5 MPH	39-38	74.4%
	2010 37.5 MPH	29-38	71.9%

Collision Data

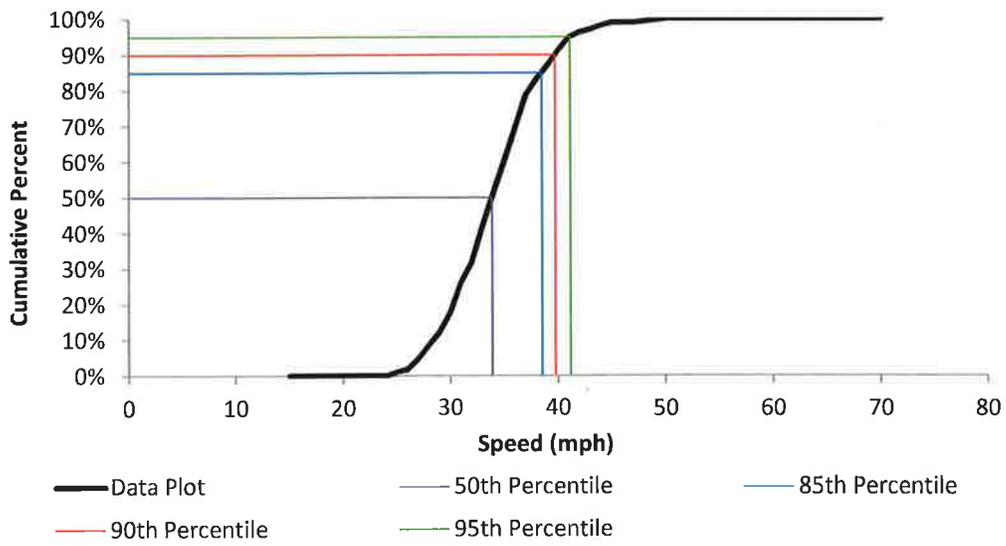
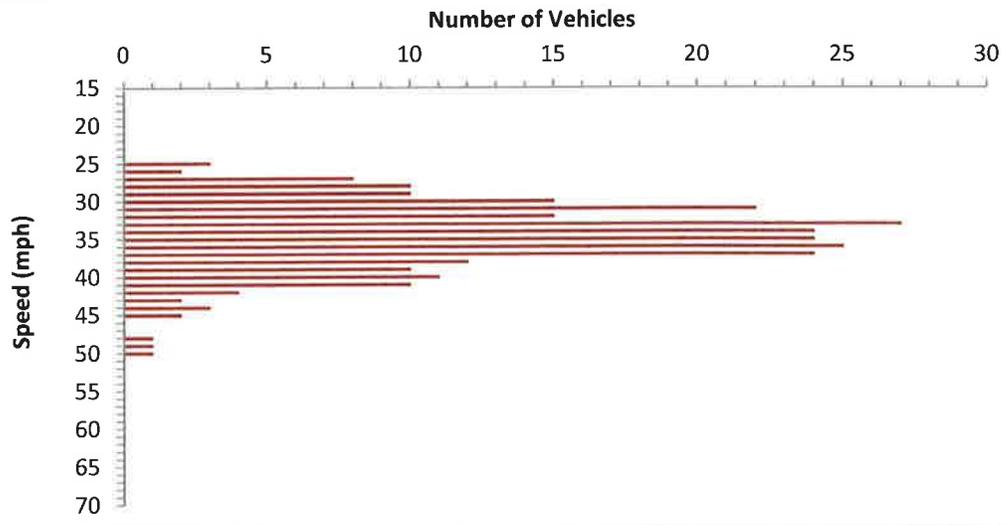
There have been 13 reported collisions along this segment, three of which involved injury, in the last five year two month period 1-1-11 to 2-29-16.



RADAR SPEED SURVEY SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name: Lakeshore Dr.	From: 0	To: 0
Position: 230' W/o Lindo Lake Pl.	Direction: EB/WB	
Date: 6/30/2016	Weather: clear	Project Number: 0
Time Start: 11:15 AM	Road Condition: dry	Observer: 0
Time End: 1:15 PM	Posted Speed: 35 MPH	Calibration Test: N

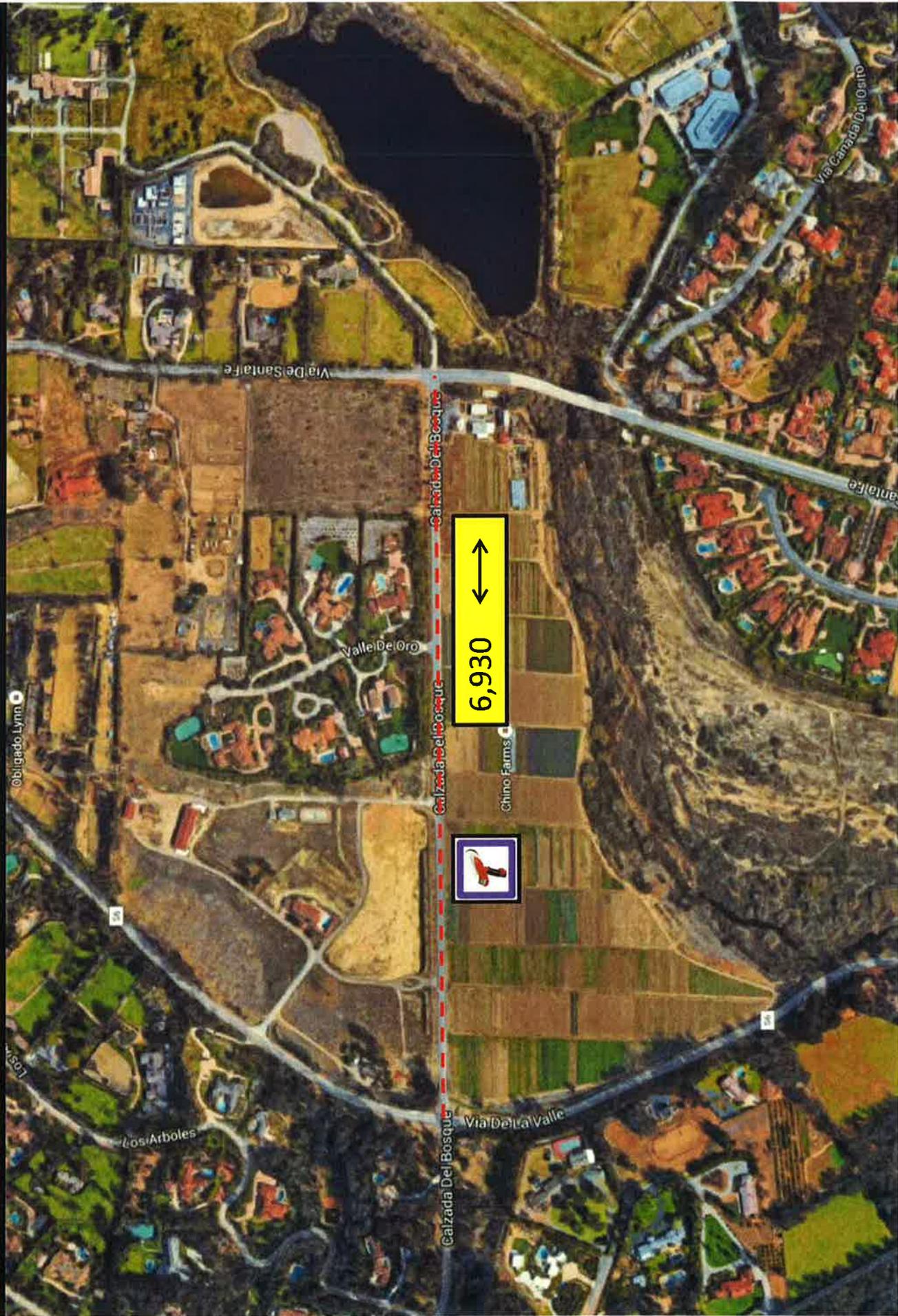
Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
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21		
22		
23		
24		
25	3	1.1%
26	2	1.9%
27	8	4.9%
28	10	8.6%
29	10	12.4%
30	15	18.0%
31	22	26.3%
32	15	32.0%
33	27	42.1%
34	24	51.1%
35	24	60.2%
36	25	69.5%
37	24	78.6%
38	12	83.1%
39	10	86.8%
40	11	91.0%
41	10	94.7%
42	4	96.2%
43	2	97.0%
44	3	98.1%
45	2	98.9%
46		
47		
48	1	99.2%
49	1	99.6%
50	1	100.0%
51		
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66		
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69		
70		
Total	266	



DATA ANALYSIS

Average Speed	34.5	Range	25 - 50
50th Percentile	33.9	10 mph Pace	29 - 38
85th Percentile	38.5	Number in Pace	198
90th Percentile	39.8	Percent in Pace	74%
95th Percentile	41.2		

5-A. Calzada del Bosque, between Via de la Valle and Via de Santa Fe (a distance of 0.6 miles)
Radar Recertification



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: July 22, 2016 **Item 5-A**

SUPERVISORIAL DISTRICT: 5

SUBJECT: Radar Recertification

LOCATION: Calzada del Bosque, between Via de la Valle and Via de Santa Fe (a distance of 0.6 miles) RANCHO SANTA FE (Thos. Bros. 1168 C-5) San Dieguito Community Planning Group

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Recertification of the Existing 50 MPH Speed Limit

PROBLEM AS STATED BY REQUESTER:

Preliminary review of prevailing speeds and roadway conditions could support radar recertification for the existing 50 MPH speed limit.

Existing Traffic Devices

Calzada del Bosque is a striped two-lane roadway that varies from 24 to 27 feet in width. It has a seven-ton weight limitation with the appropriate signs in place. The road is posted 50 MPH/Radar Certified. (NOTE: This roadway is unclassified on the Mobility Element Network).

Average Daily Traffic Volumes **06/16** **04/10**

Calzada del Bosque:
E/o Via de la Valle 6,930 5,120

Spot Speed Data **85th Percentile** **10 MPH Pace** **% in Pace**

Calzada del Bosque:
1000' E/o Via de la Valle **2016** 51.8 MPH 43-52 81.5%
 2010 52.2 MPH 38-47 55.9%

Collision Data

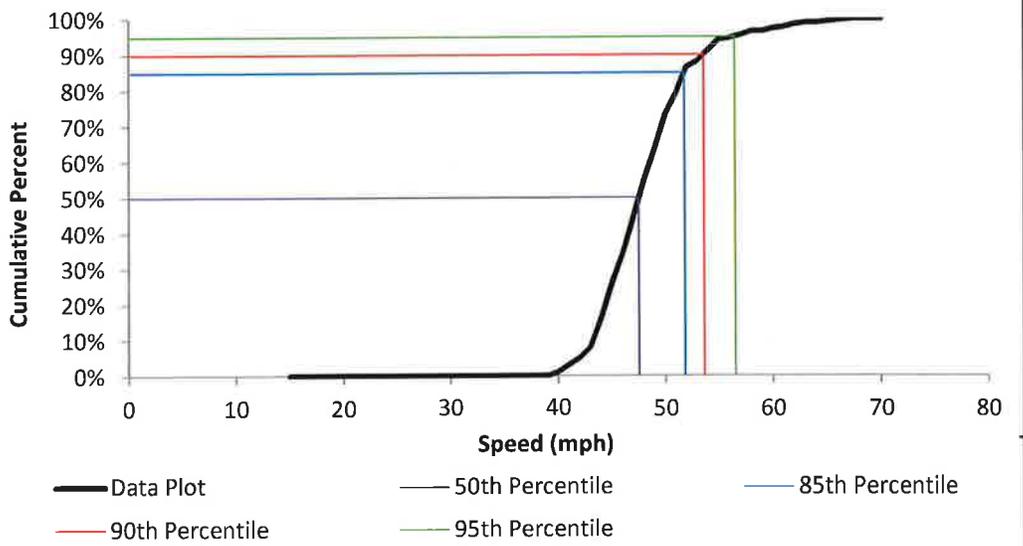
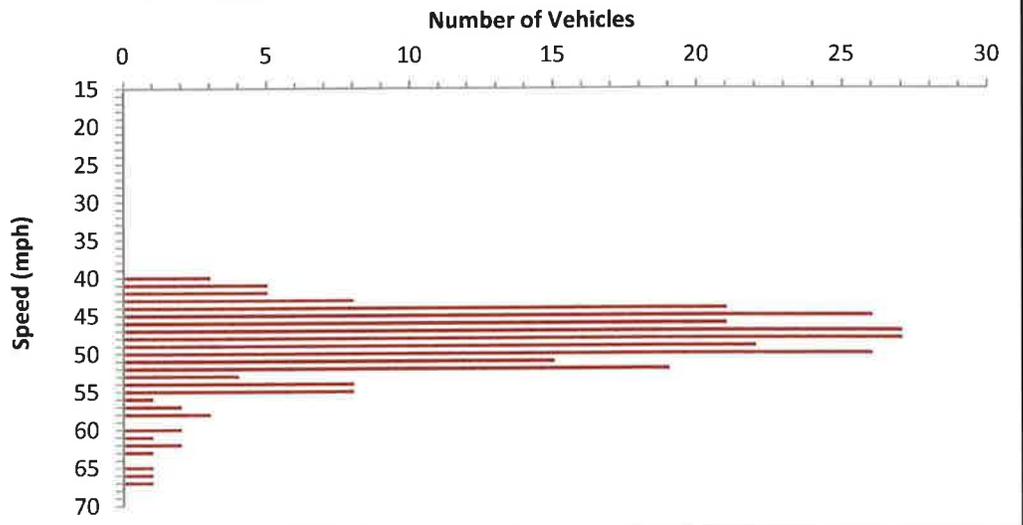
There has been one reported collision along this segment, which did not involve injury, in the last five year two month period 1-1-11 to 2-29-16.



RADAR SPEED SURVEY SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name: Calzada del Bosque	From: 0	To: 0
Position: 1000' E/o Via de la Valle	Direction: EB/WB	
Date: 6/28/2016	Weather: clear	Project Number: 0
Time Start: 9:45 AM	Road Condition: dry	Observer: 0
Time End: 11:45 AM	Posted Speed: 50 MPH	Calibration Test: N

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
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36		
37		
38		
39		
40	3	1.2%
41	5	3.1%
42	5	5.0%
43	8	8.1%
44	21	16.2%
45	26	26.2%
46	21	34.2%
47	27	44.6%
48	27	55.0%
49	22	63.5%
50	26	73.5%
51	15	79.2%
52	19	86.5%
53	4	88.1%
54	8	91.2%
55	8	94.2%
56	1	94.6%
57	2	95.4%
58	3	96.5%
59		
60	2	97.3%
61	1	97.7%
62	2	98.5%
63	1	98.8%
64		
65	1	99.2%
66	1	99.6%
67	1	100.0%
68		
69		
70		
Total	260	



DATA ANALYSIS

Average Speed	48.6	Range	40 - 67
50th Percentile	47.5	10 mph Pace	43 - 52
85th Percentile	51.8	Number in Pace	212
90th Percentile	53.6	Percent in Pace	82%
95th Percentile	56.5		

5-B. Fruitvale Road, from Cole Grade Road to Mac Tan Road (a distance of 1.75 miles)
Radar Recertification

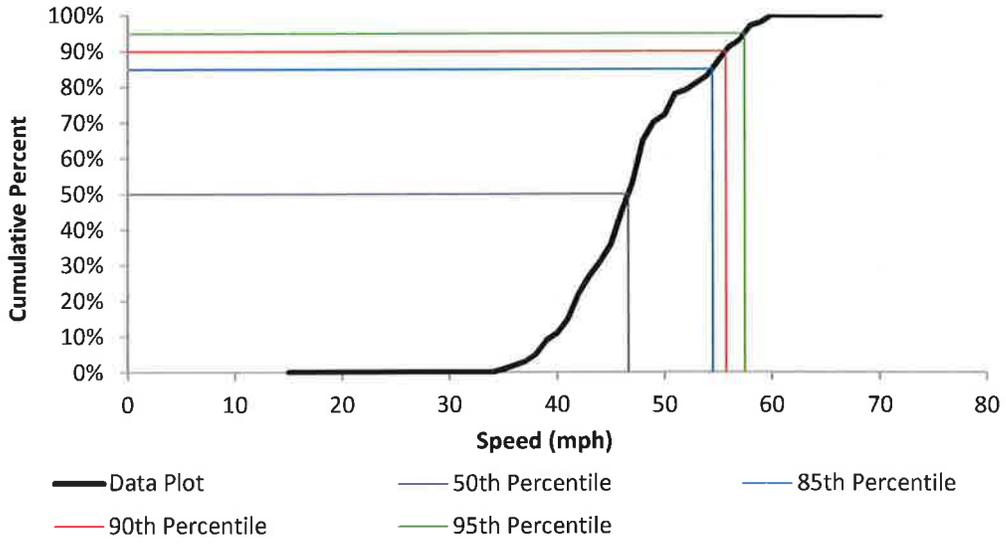
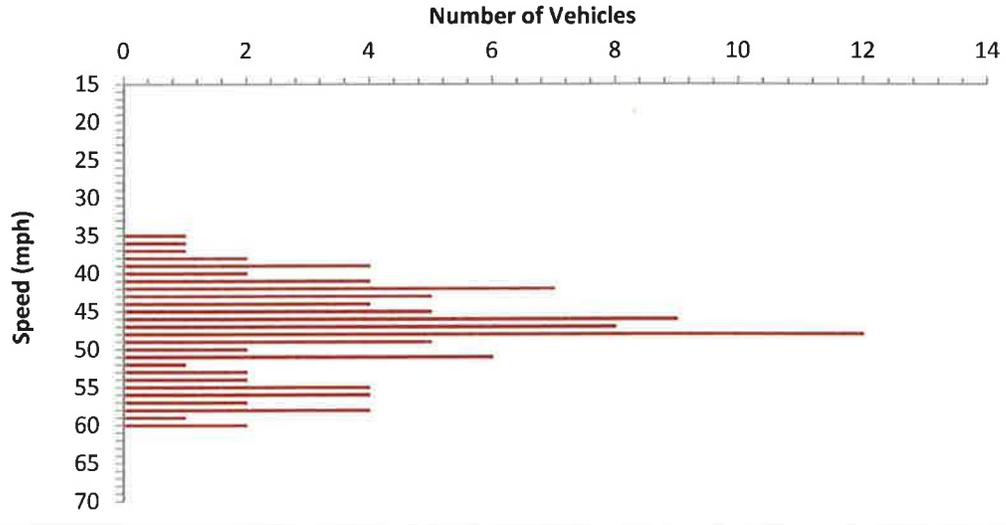




RADAR SPEED SURVEY SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name: Fruitvale Rd	From: 0	To: 0
Position: 2140' W/O Mac Tan Rd	Direction: EB/WB	
Date: 7/12/2016	Weather: clear	Project Number: 0
Time Start: 9:30 AM	Road Condition: Good	Observer: Juliet Ding
Time End: 11:25 AM	Posted Speed: 50 MPH	Calibration Test: N

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
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19		
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25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35	1	1.0%
36	1	2.0%
37	1	3.0%
38	2	5.0%
39	4	9.0%
40	2	11.0%
41	4	15.0%
42	7	22.0%
43	5	27.0%
44	4	31.0%
45	5	36.0%
46	9	45.0%
47	8	53.0%
48	12	65.0%
49	5	70.0%
50	2	72.0%
51	6	78.0%
52	1	79.0%
53	2	81.0%
54	2	83.0%
55	4	87.0%
56	4	91.0%
57	2	93.0%
58	4	97.0%
59	1	98.0%
60	2	100.0%
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	100	



DATA ANALYSIS

Average Speed	47.5	Range	35 - 60
50th Percentile	46.6	10 mph Pace	42 - 51
85th Percentile	54.5	Number in Pace	63
90th Percentile	55.8	Percent in Pace	63%
95th Percentile	57.5		