San Diego County Traffic Advisory Committee

Committee Secretary
5510 Overland Avenue #410, Room 470, M.S. 0-334
San Diego, California 92123-1239
(858) 694-3845

Represented Agencies

Automobile Club of Southern California
California Department of Transportation
California Highway Patrol
Independent Insurance Agents & Brokers of San Diego
San Diego County Bicycle Coalition
San Diego County Department of Public Works
San Diego County Office of Education
San Diego County Pacific Safety Council
San Diego County Sheriff's Department

October 23, 2013

To: Each Member of the San Diego County Traffic Advisory Committee

From: Secretary

MEETING NOTICE (New Location)**

Attached is the preliminary agenda for the Traffic Advisory Committee meeting to be held on Friday, November 1, 2013. The meeting will begin at 9:00 AM at the **Department of the Public Works, Second Floor Room 271, 5510 Overland Avenue in San Diego.**

KENTON R. JONES, Secretary
San Diego County Traffic Advisory Committee

KRJ:mr-l

Attachments

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

November 1, 2013

AGENDA

I. Call to Order / Roll Call
II. Pledge of Allegiance
III. Approval of Minutes from September 13, 2013
IV. Items for Review

SUBJECT		LOCATION	AREA	PLANNING/ SPONSOR GROUP
SUPERVISORIAL DISTRICT 1				
A.	RADAR RECERTIFICATION	CORRAL CYN RD	BONITA	SWEETWATER
SUPERVISORIAL DISTRICT 2				
A.	SIGNALIZATION	DEHESA ROAD AND SYCUAN ROAD	DEHESA	CREST-DEHESA
B.	RADAR RECERTIFICATION	WILDCAT CYN RD	RAMONA	RAMONA
C.	RADAR RECERTIFICATION	OLDE HIGHWAY 80	FLINN SPRINGS/ EL CAJON	LAKESIDE/ALPINE
SUPERVISORIAL DISTRICT 3				
A.	RADAR RECERTIFICATION	BEAR VALLEY PKWY	ESCONDIDO	N/A

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF:	November 1, 2013	**Item 1-A**
SUPERVISORIAL DISTRICT:	1	
SUBJECT:	Radar Recertification	
LOCATION:	Corral Canyon Road from the Chula City Limit northerly to the south line of Central Avenue (1.2 miles) BONITA (Thos. Bros. 1311-C3) Sweetwater Community Planning Group	
INITIATED BY:	DPW Traffic Engineering	
REQUEST:	Radar Recertification of the Existing 35 MPH Speed Limit	

PROBLEM AS STATED BY REQUESTER:

Corral Canyon Road is posted 35 MPH and is radar enforced. Preliminary review of prevailing speeds and roadway conditions support radar recertification for the existing 35 MPH speed limit.

Existing Traffic Devices

Corral Canyon Road is a striped two lane roadway that measures 64 feet wide. There is a two-way left turn lane separating both directions of travel. There are also bike lane and parking lanes in place on both sides of the road. There are also equestrian advisory signs in place. All-way stop controls are present at the intersections of Sprinter Lane, Blacksmith Road and Steeplechase Road. The road is posted 35 MPH/Radar Enforced. This roadway is classified as a Minor Collector on the County General Plan Mobility Element Network. (NOTE: Corral Canyon Road is posted 40 MPH in the City of Chula Vista.)

Average Daily Traffic Volumes	**8/13**	**7/00**
Corral Canyon Road:		
S/o Steeplechase Road	6,220*	
N/o Yearling Court	6,720*	
@Sprinter Lane		8,000*
@ Steeplechase Road		8,490*

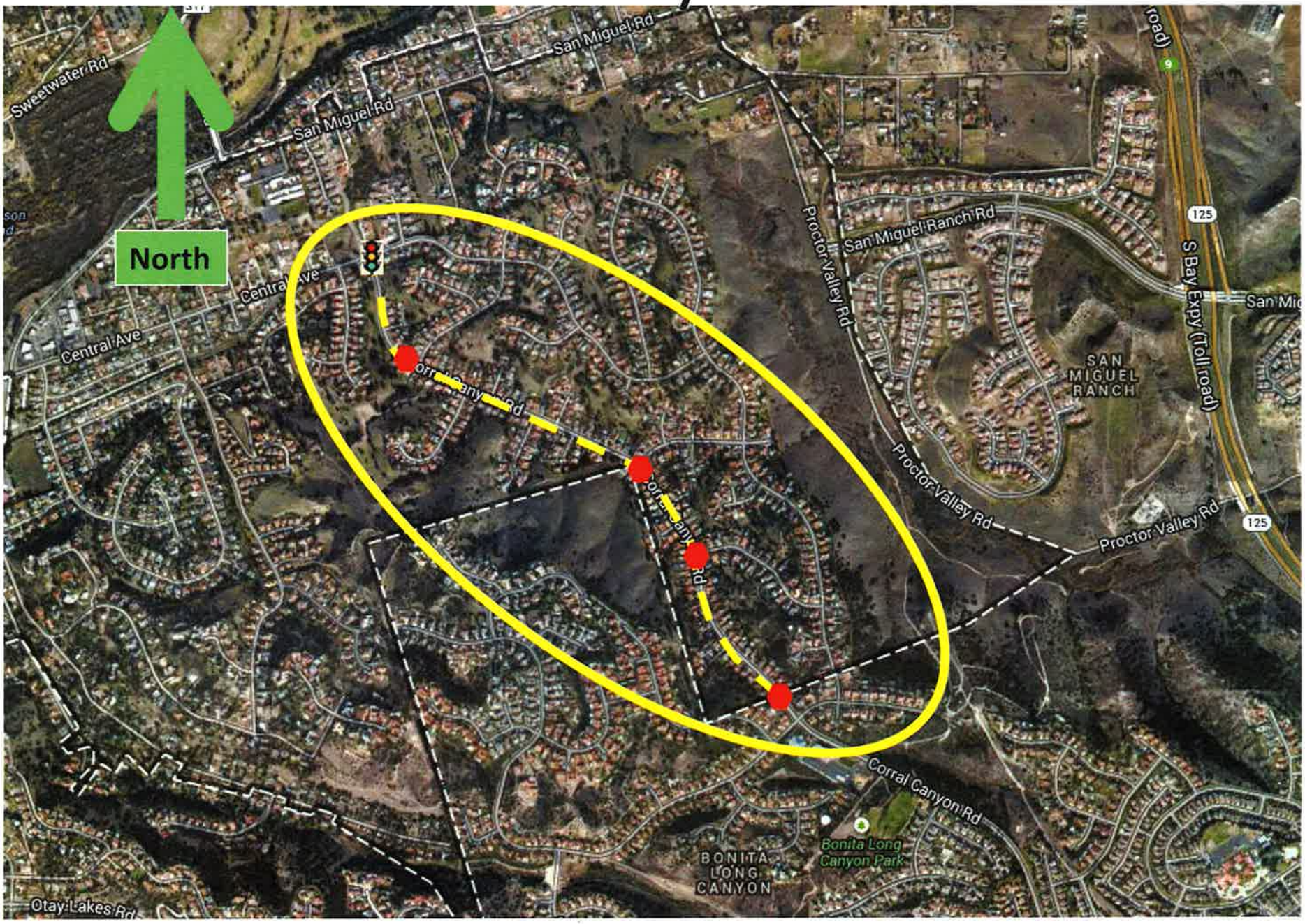
* Two-Way Count

Spot Speed Data	85th Percentile	10 MPH Pace	% in Pace
Corral Canyon Road:			
300' S/o Steeplechase Lane	(2013) 39.0 MPH	30-39	70.0%
	(2006) 36.6 MPH	28-37	78.5%
100' N/o Yearling Court	(2013) 39.0 MPH	30-39	78.0%
@ Yearling Court	(2006) 34.8 MPH	26-35	75.8%

Collision Data

There have been no reported collisions along this segment of roadway in the last five years (06-30-08 to 06-30-13).

Corral Canyon Road



Spot Speed Study

Prepared by: National Data & Surveying Services

City of Bonita

DATE: 9/19/2013 **Location:** Corral Cyn Rd 300' s/o Steeplechase Rd

TIME: 10:15-12:15 **Posted Speed:** 35 MPH Warm/Overcast **Project #: 13-4322-001**

Northbound & Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	3
22	3
23	2
24	5
25	2
26	6
27	7
28	19
29	7
30	24
31	15
32	30
33	19
34	23
35	29
36	19
37	26
38	19
39	12
40	7
41	12
42	2
43	5
44	6
45	3
46	1
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48	1
49	1
50	1
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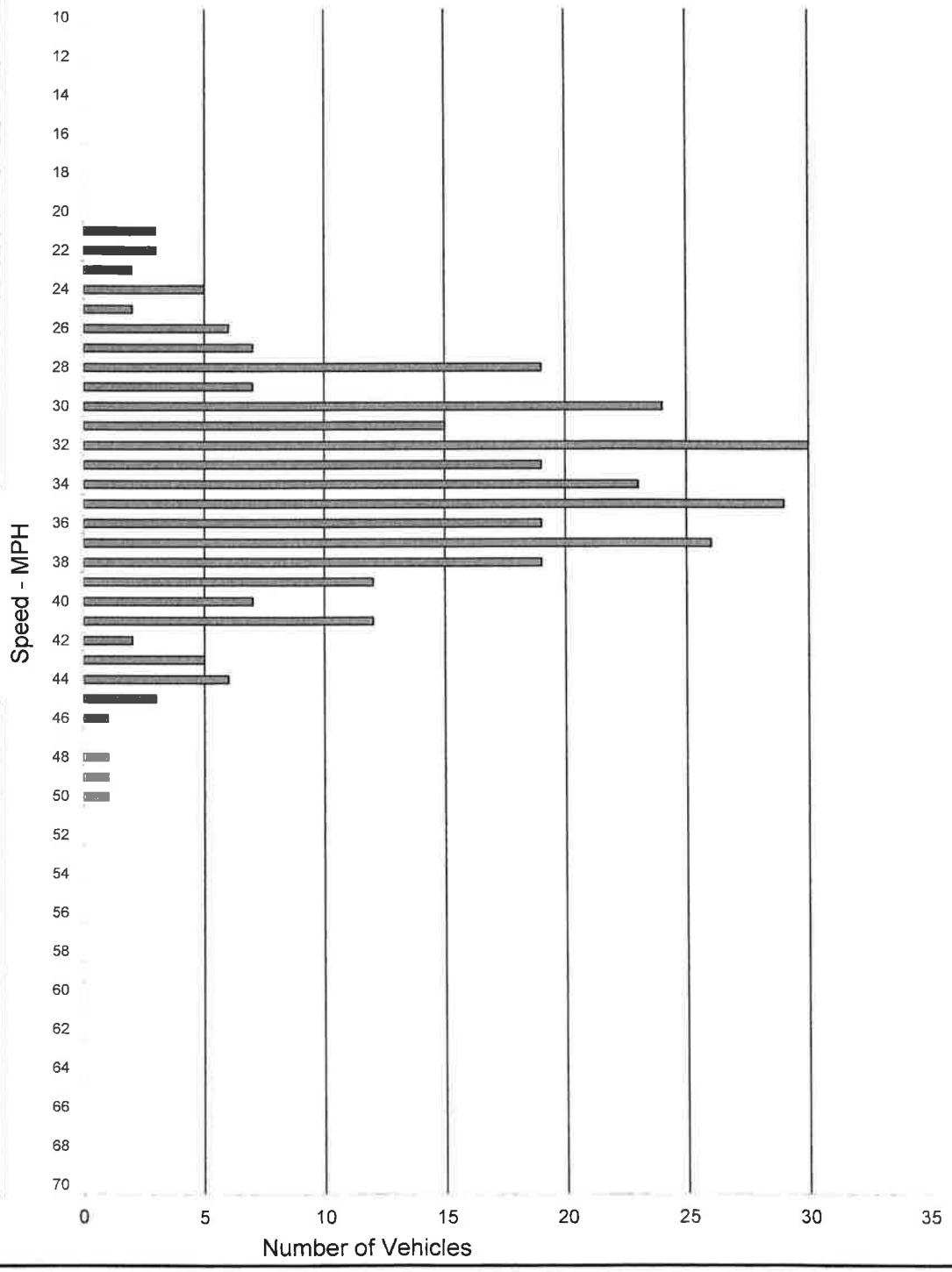

SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	309	21 - 50	34 mph	39 mph	30 - 39	216	70%	17% / 54	13% / 39

Spot Speed Study

Prepared by: National Data & Surveying Services

City of Bonita

DATE: 9/19/2013 **Location:** Corral Cyn Rd 100' n/o Yearling Ct

TIME: 12:30-14:30 **Posted Speed:** 35 MPH Warm/Overcast **Project #: 13-4322-002**

Northbound & Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	**1**
24	**4**
25	**2**
26	**2**
27	**5**
28	**7**
29	**18**
30	**23**
31	**27**
32	**27**
33	**48**
34	**26**
35	**39**
36	**36**
37	**20**
38	**23**
39	**24**
40	**11**
41	**10**
42	**12**
43	**8**
44	**2**
45	**2**
46	
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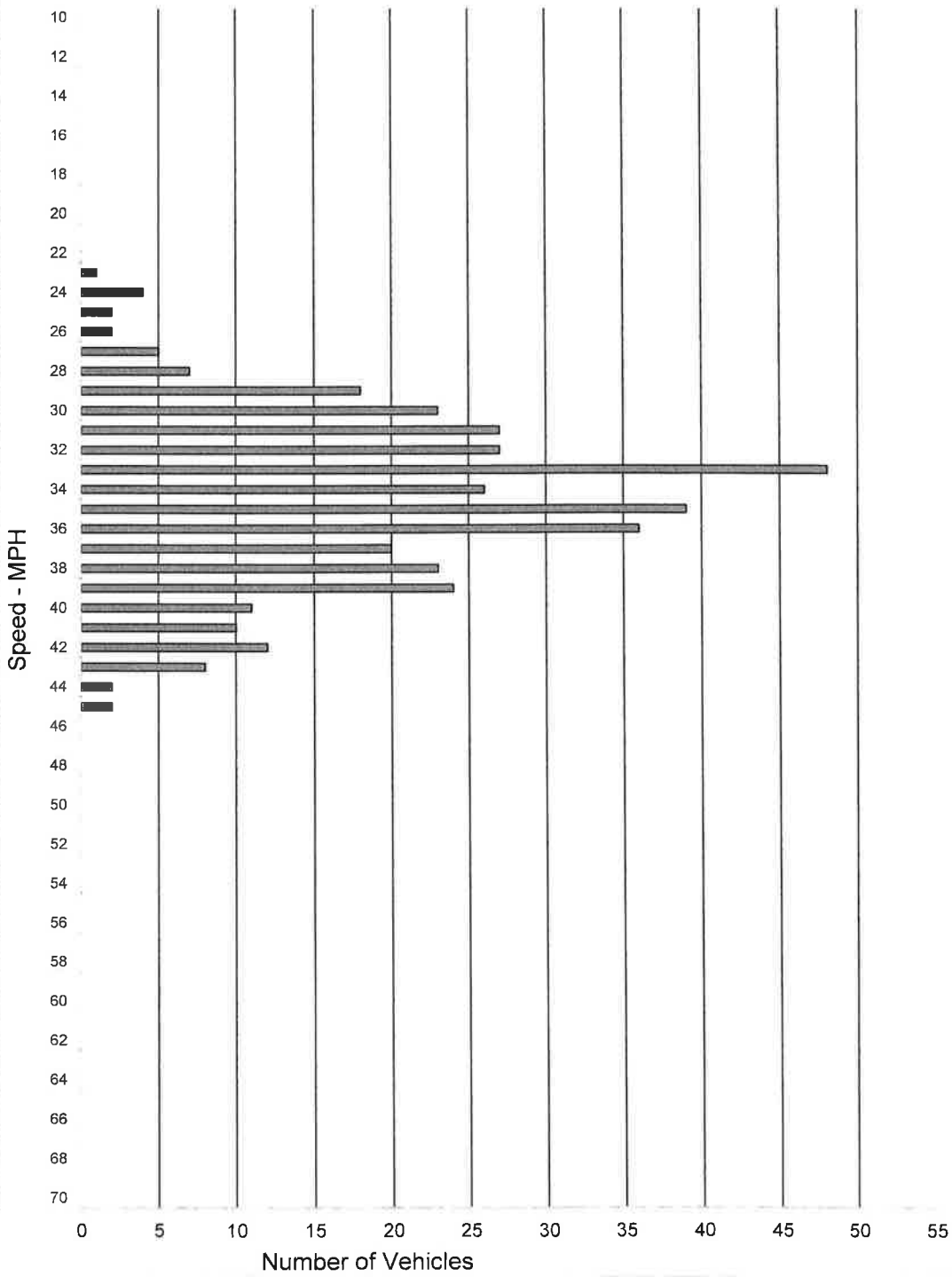


SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	377	23 - 45	34 mph	39 mph	30 - 39	293	78%	10% / 39	12% / 45

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF:	November 1, 2013	**Item 2-A**
SUPERVISORIAL DISTRICT:	2	
SUBJECT:	Signalization	
LOCATION:	Dehesa Road and Sycuan Road, DEHESA (Thos. Bros. 1253-C5) Crest-Dehesa Community Planning Group	
INITIATED BY:	DPW Traffic Engineering	
REQUEST:	Review Appropriateness for Signalization	

PROBLEM AS STATED BY REQUESTER:

Based on traffic signal warrant calculations recently conducted at the Dehesa Road and Sycuan Road intersection, several warrants were met during weekday and weekend conditions. We respectfully request this four-way intersection be reviewed for placement on the County's Traffic Signal Priority List.

Existing Traffic Devices

Dehesa Road, a striped two-lane roadway, varies in width from 40 feet east of the intersection to 53 feet west of the intersection. The west leg has a right-turn only lane with the appropriate advanced notification signs in place. There are left-turn pockets in place for both directions of travel. There also are intersection warning signs with street name plates in advance of the intersection. There is edge striping along both sides of the roadway. The road is posted 50 MPH/Radar Enforced. This roadway is classified as a Rural Collector on the County General Plan Mobility Element Network.

Sycuan Road, the south leg, is a striped four-lane 62 feet wide private road. There is a painted island separating both directions of travel. It is stop controlled with limit lines and pavement legends in place. The roadway is posted 35 MPH. Sycuan Road, the north leg, is a private driveway 15 feet wide.

Daily Entering Traffic Volumes	**10/13 (weekday)**	**10/13 (weekend)**
Dehesa Road:		
E/o Sycuan Road	2,210 WB	1,960 WB
W/o Sycuan Road	12,530 EB	16,110 EB
Sycuan Road:		
N/o Dehesa Road	10 SB	10 SB
S/o Dehesa Road	11,720 NB	16,140 NB

Average Daily Traffic Volumes	3/13	10/01	2/96
Dehesa Road:			
@ Sycuan Road	14,470*		
E/o Harbison Canyon Road		12,330*	8,770*

* Two-Way Count

Collision Data

There have been 12 reported collisions, 8 of which involved injury, at this intersection in the last five years (04-30-08 to 04-30-13).

Dehesa Road and Sycuan Road

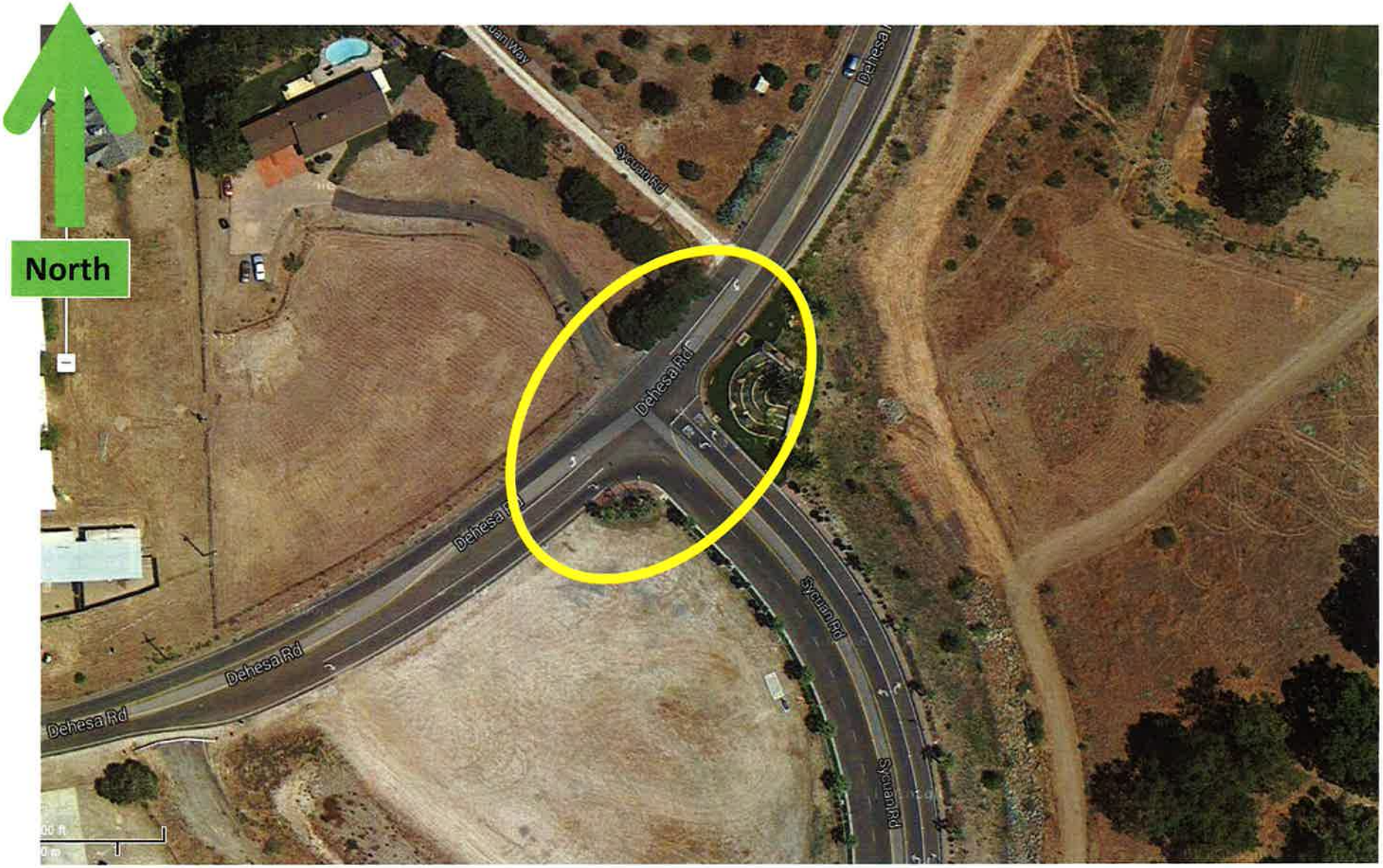


Figure 4C-101 (CA). Traffic Signal Warrants Worksheet (Sheet 1 of 5)

COUNT DATE 3-2013
CALC MRL DATE 9-12-13
CHK CH DATE 9-12-13 CH.

DIST ___ CO ___ RTE ___ PM ___

Major St: Dehesa Road
Minor St: Sycuan Road

Critical Approach Speed 50 mph
Critical Approach Speed 23 mph

Speed limit or critical speed on major street traffic > 40 mph..... ☒ or ☐ } RURAL (R)
In built up area of isolated community of < 10,000 population..... ☐
☐ URBAN (U)

WARRANT 1 - Eight Hour Vehicular Volume SATISFIED YES ☒ NO ☐
(Condition A or Condition B or combination of A and B must be satisfied)

Condition A - Minimum Vehicle Volume 100% SATISFIED YES ☒ NO ☐
80% SATISFIED YES ☒ NO ☐

	MINIMUM REQUIREMENTS (80% SHOWN IN BRACKETS)				12-1 pm	1-2 pm	2-3 pm	3-4 pm	4-5 pm	5-6 pm	6-7 pm	7-8 pm
	U	R	U	R								
APPROACH LANES	1		2 or More									
Both Approaches Major Street	500 (400)	350 (280)	600 (480)	420 (336)	485	510	510	532	535	583	517	464
Highest Approach Minor Street	150 (120)	105 (84)	200 (160)	140 (112)	210	262	331	343	519	448	380	427

Hour

Condition B - Interruption of Continuous Traffic 100% SATISFIED YES ☐ NO ☒
80% SATISFIED YES ☒ NO ☐

	MINIMUM REQUIREMENTS (80% SHOWN IN BRACKETS)				12-1 pm	1-2 pm	2-3 pm	3-4 pm	4-5 pm	5-6 pm	6-7 pm	7-8 pm
	U	R	U	R								
APPROACH LANES	1		2 or More									
Both Approaches Major Street	750 (600)	525 (420)	900 (720)	630 (504)	485	510	510	532	535	583	517	464
Highest Approach Minor Street	75 (60)	53 (42)	100 (80)	70 (56)	210	262	338	343	519	448	380	427

Hour

Combination of Conditions A & B SATISFIED YES ☒ NO ☐

REQUIREMENT	CONDITION	✓	FULFILLED
TWO CONDITIONS SATISFIED 80%	A. MINIMUM VEHICULAR VOLUME	✓	Yes ☒ No ☐
	AND, B. INTERRUPTION OF CONTINUOUS TRAFFIC	✓	
AND, AN ADEQUATE TRIAL OF OTHER ALTERNATIVES THAT COULD CAUSE LESS DELAY AND INCONVENIENCE TO TRAFFIC HAS FAILED TO SOLVE THE TRAFFIC PROBLEMS			Yes ☒ No ☐

The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal.

Meets Warrants 1, 2 + 7

Figure 4C-101 (CA). Traffic Signal Warrants Worksheet (Sheet 2 of 5)

WARRANT 2 - Four Hour Vehicular Volume **SATISFIED* YES ☒ NO ☐**

Record hourly vehicular volumes for any four hours of an average day.

APPROACH LANES	One	2 or More	3:4 pm	4:5 pm	5:6 pm	6:7 pm Hour
Both Approaches - Major Street	X		532	535	583	517
Higher Approach - Minor Street		X	393	519	448	380

*All plotted points fall above the applicable curve in Figure 4C-1. (URBAN AREAS)	Yes ☐ No ☐
OR, All plotted points fall above the applicable curve in Figure 4C-2. (RURAL AREAS)	Yes ☒ No ☐

WARRANT 3 - Peak Hour
(Part A or Part B must be satisfied) N/A **SATISFIED YES ☐ NO ☐**

PART A **SATISFIED YES ☐ NO ☐**

(All parts 1, 2, and 3 below must be satisfied for the same one hour, for any four consecutive 15-minute periods)

1. The total delay experienced by traffic on one minor street approach (one direction only) controlled by a STOP sign equals or exceeds four vehicle-hours for a one-lane approach, or five vehicle-hours for a two-lane approach; AND	Yes ☐ No ☐
2. The volume on the same minor street approach (one direction only) equals or exceeds 100 vph for one moving lane of traffic or 150 vph for two moving lanes; AND	Yes ☐ No ☐
3. The total entering volume serviced during the hour equals or exceeds 800 vph for intersections with four or more approaches or 650 vph for intersections with three approaches.	Yes ☐ No ☐

PART B **SATISFIED YES ☐ NO ☐**

APPROACH LANES	One	2 or More	Hour
Both Approaches - Major Street			
Higher Approach - Minor Street			

The plotted point falls above the applicable curve in Figure 4C-3. (URBAN AREAS)	Yes ☐ No ☐
OR, The plotted point falls above the applicable curve in Figure 4C-4. (RURAL AREAS)	Yes ☐ No ☐

The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal.

Figure 4C-101 (CA). Traffic Signal Warrants Worksheet (Sheet 3 of 5)

WARRANT 4 - Pedestrian Volume (Parts 1 and 2 Must Be Satisfied) N/A **SATISFIED YES ☐ NO ☐**

Part 1 (Parts A or B must be satisfied)

	Hours - - ->				
A.	Vehicles per hour for any 4 hours				
	Pedestrians per hour for any 4 hours				

Figure 4C-5 or Figure 4C-6
SATISFIED YES ☐ NO ☐

	Hours - - ->				
B.	Vehicles per hour for any 1 hour				
	Pedestrians per hour for any 1 hour				

Figure 4C-7 or Figure 4C-8
SATISFIED YES ☐ NO ☐

Part 2 **SATISFIED YES ☐ NO ☐**

AND, The distance to the nearest traffic signal along the major street is greater than 300 ft	Yes ☐ No ☐
OR, The proposed traffic signal will not restrict progressive traffic flow along the major street.	Yes ☐ No ☐

WARRANT 5 - School Crossing (Parts A and B Must Be Satisfied) N/A **SATISFIED YES ☐ NO ☐**

Part A **SATISFIED YES ☐ NO ☐**
Gap/Minutes and # of Children

		Hour
Gaps vs Minutes	Minutes Children Using Crossing	
	Number of Adequate Gaps	
School Age Pedestrians Crossing Street / hr		

Gaps < Minutes YES ☐ NO ☐
AND Children > 20/hr YES ☐ NO ☐

AND, Consideration has been given to less restrictive remedial measures.	Yes ☐ No ☐

Part B **SATISFIED YES ☐ NO ☐**

The distance to the nearest traffic signal along the major street is greater than 300 ft	Yes ☐ No ☐
OR, The proposed signal will not restrict the progressive movement of traffic.	Yes ☐ No ☐

The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal.

Figure 4C-101 (CA). Traffic Signal Warrants Worksheet (Sheet 4 of 5)

WARRANT 6 - Coordinated Signal System (All Parts Must Be Satisfied) — **SATISFIED YES ☐ NO ☒**

MINIMUM REQUIREMENTS	DISTANCE TO NEAREST SIGNAL	
≥ 1000 ft	N N/A ft, S N/A ft, E N/A ft, W N/A ft	Yes ☒ No ☐
On a one-way street or a street that has traffic predominantly in one direction, the adjacent traffic control signals are so far apart that they do not provide the necessary degree of vehicular platooning.		Yes ☐ No ☒
OR, On a two-way street, adjacent traffic control signals do not provide the necessary degree of platooning and the proposed and adjacent traffic control signals will collectively provide a progressive operation.		

WARRANT 7 - Crash Experience Warrant (All Parts Must Be Satisfied) — **SATISFIED YES ☒ NO ☐**

Adequate trial of alternatives with satisfactory observance and enforcement has failed to reduce the crash frequency.			Yes ☒ No ☐
REQUIREMENTS	Number of crashes reported within a 12 month period susceptible to correction by a traffic signal, and involving injury or damage exceeding the requirements for a reportable crash.		Yes ☒ No ☐
5 OR MORE	5		
REQUIREMENTS	CONDITIONS	✓	
ONE CONDITION SATISFIED 80%	Warrant 1, Condition A - Minimum Vehicular Volume	✓	Yes ☒ No ☐
	OR, Warrant 1, Condition B - Interruption of Continuous Traffic	✓	
	OR, Warrant 4, Pedestrian Volume Condition Ped Vol ≥ 152 for any hour OR, Ped Vol ≥ 80 for any 4 hours	✓	

WARRANT 8 - Roadway Network (All Parts Must Be Satisfied) — **SATISFIED YES ☐ NO ☒**

MINIMUM VOLUME REQUIREMENTS	ENTERING VOLUMES - ALL APPROACHES	✓	FULFILLED
1000 Veh/Hr	During Typical Weekday Peak Hour _____ Veh/Hr and has 5-year projected traffic volumes that meet one or more of Warrants 1, 2, and 3 during an average weekday.		Yes ☒ No ☐
	OR During Each of Any 5 Hrs. of a Sat. or Sun _____ Veh/Hr		

CHARACTERISTICS OF MAJOR ROUTES	MAJOR ROUTE A	MAJOR ROUTE B	
Hwy. System Serving as Principal Network for Through Traffic			
Rural or Suburban Highway Outside Of, Entering, or Traversing a City			
Appears as Major Route on an Official Plan			
Any Major Route Characteristics Met, Both Streets			Yes ☐ No ☒

The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal.

Figure 4C-101 (CA). Traffic Signal Warrants Worksheet (Sheet 5 of 5)

WARRANT 9 - Intersection Near a Grade Crossing N/A **SATISFIED YES ☐ NO ☐**
(Both Parts A and B Must Be Satisfied)

PART A A grade crossing exists on an approach controlled by a STOP or YIELD sign and the center of the track nearest to the intersection is within 140 feet of the stop line or yield line on the approach. Track Center Line to Limit Line _____ ft	Yes ☐ No ☐
PART B **There is one minor street approach lane at the track crossing -** During the highest traffic volume hour during which rail traffic uses the crossing, the plotted point falls above the applicable curve in Figure 4C-9. Major Street - Total of both approaches: _____ VPH Minor Street - Crosses the track (one direction only, approaching the intersection): _____ VPH X AF (Use Tables 4C-2, 3, & 4 below to calculate AF) = _____ VPH	Yes ☐ No ☐
OR, There are two or more minor street approach lanes at the track crossing - During the highest traffic volume hour during which rail traffic uses the crossing, the plotted point falls above the applicable curve in Figure 4C-10. Major Street - Total of both approaches : _____ VPH Minor Street - Crosses the track (one direction only, approaching the intersection): _____ VPH X AF (Use Tables 4C-2, 3, & 4 below to calcualte AF) = _____ VPH	

The minor street approach volume may be multiplied by up to three following adjustment factors (AF) as described in Section 4C.10.

1- Number of Rail Traffic per Day_____ Adjustment factor from table 4C-2____

2- Percentage of High-Occupancy Buses on Minor Street Approach_____ Adjustment factor from table 4C-3____

3- Percentage of Tractor-Trailer Trucks on Minor Street Approach_____ Adjustment factor from table 4C-4____

NOTE: If no data is availale or known, then use AF = 1 (no adjustment)

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF:	November 1, 2013	**Item 2-B**
SUPERVISORIAL DISTRICT:	2	
SUBJECT:	Radar Recertification	
LOCATION:	Wildcat Canyon Road from the southerly limits of the Barona Indian Reservation northerly to the south line of San Vicente Road (7.9 miles) BARONA/RAMONA (Thos. Bros. 1212-G1) Ramona Community Planning Group	
INITIATED BY:	DPW Traffic Engineering	
REQUEST:	Radar Recertification of the Existing 50 MPH Speed Limit	

PROBLEM AS STATED BY REQUESTER:

Wildcat Canyon Road is posted 50 MPH and is radar enforced. Preliminary review of prevailing speeds and roadway conditions support radar recertification for the existing 50 MPH speed limit.

Existing Traffic Devices

Wildcat Canyon Road is a striped two lane roadway that varies from 24 to 40 feet wide. There is edge-striping in place along both sides of the road. There is a traffic signal at Founders Way (the entrance to the Barona Casino). The road is posted 50 MPH/Radar Enforced. This roadway is classified as a Community Collector on the County General Plan Mobility Element Network. (NOTE: Wildcat Canyon Road, adjacent southerly segment, is also posted 50 MPH/Radar Enforced.)

Average Daily Traffic Volumes	**8/13**	**9/06**	**5/91**
Wildcat Canyon Road:			
S/o San Vicente Road	5,390*	5,860*	3,070*
S/o Featherstone Road	5,870*	5,430*	3,700*

* Two-Way Count

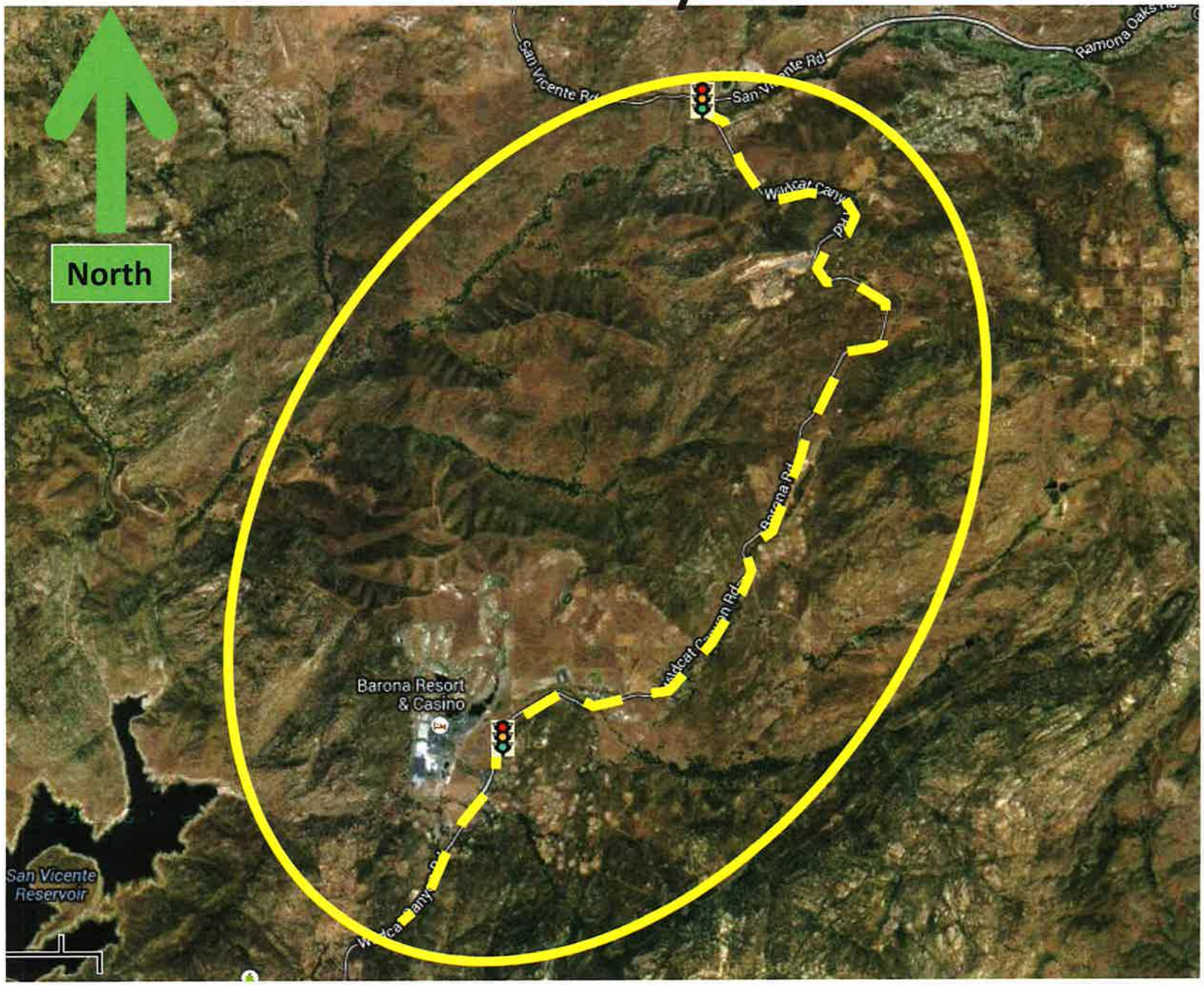
Spot Speed Data	85th Percentile	10 MPH Pace	% in Pace	
Wildcat Canyon Road:				
1,070' S/o Founders Way	(2013) 52.3 MPH	43-52	69.0%	(S)
	(2013) 55.0 MPH	46-55	70.0%	(C)
	(2005) 49.6 MPH	38-47	55.4%	
430' S/o Featherstone Cyn Rd	(2013) 54.3 MPH	46-55	75.0%	(S)
	(2013) 58.0 MPH	46-55	70.0%	(C)
	(2005) 57.6 MPH	46-55	59.7%	
2,770' N/o Featherstone Cyn Rd	(2013) 55.0 MPH	46-55	70.0%	(S)
	(2013) 59.0 MPH	49-58	68.0%	(C)
	(2005) 53.1 MPH	45-54	56.1%	
100' S/o Little Klondite Road	(2013) 53.0 MPH	45-54	66.0%	(C)
	(2005) 50.0 MPH	41-50	68.0%	

(S) speed survey conducted by staff
(C) speed survey conducted by contractor

Collision Data

There have been 91 reported collisions along this segment of roadway in the last five years (06-30-08 to 06-30-13).

Wildcat Canyon Road



RADAR SPEED SURVEY
SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Wildcat Canyon Road	**From:**	N/A	**To:**	N/A
Position:	1070 Feet South of Founders Way			**Direction:**	NB/SB
Date:	8/21/2013	**Weather:**	SUNNY	**Project Number:**	13-4283-003
Time Start:	8:50 AM	**Road Condition:**	GOOD/DRY	**Observer:**	Geoffrey Retemeyer
Time End:	9:38 AM	**Posted Speed:**	50 MPH	**Calibration Test:**	Y

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
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36		
37	2	1.9%
38	4	5.6%
39	1	6.5%
40	1	7.4%
41	4	11.1%
42	4	14.8%
43	7	21.3%
44	4	25.0%
45	8	32.4%
46	10	41.7%
47	9	50.0%
48	16	64.8%
49	4	68.5%
50	6	74.1%
51	6	79.6%
52	5	84.3%
53	3	87.0%
54	5	91.7%
55	2	93.5%
56	6	99.1%
57	1	100.0%
58		
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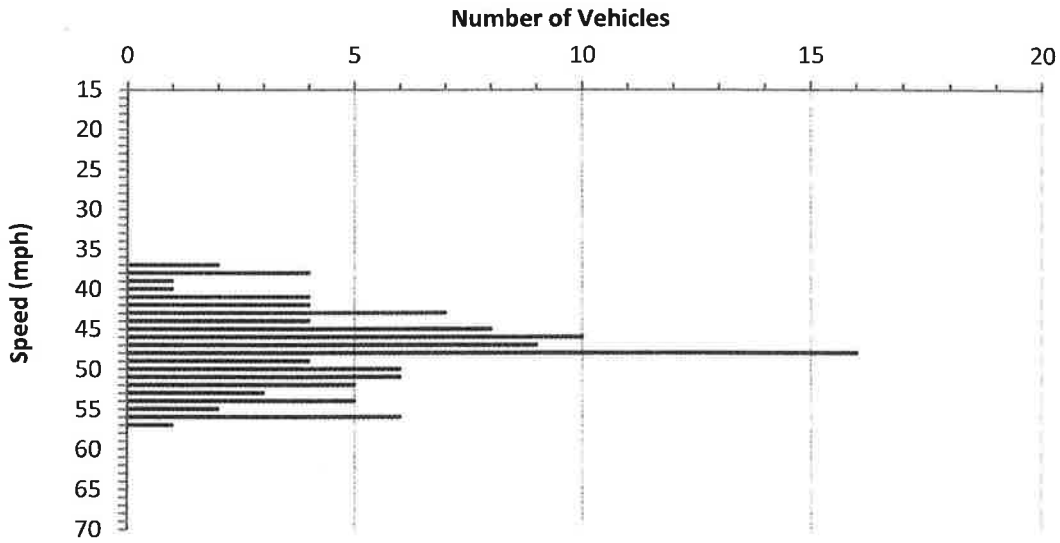
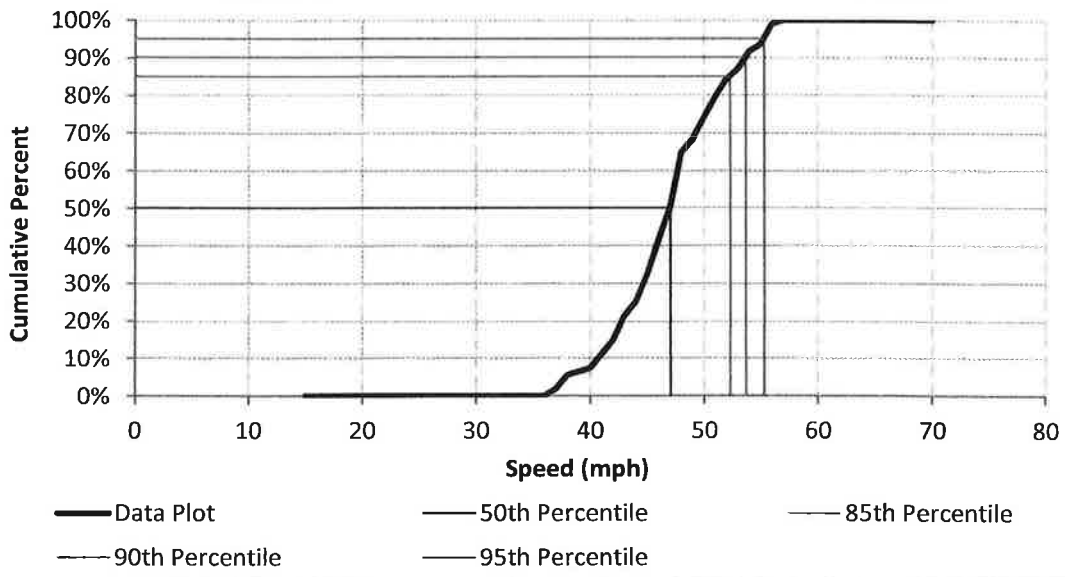
69		
70		
Total	108	





DATA ANALYSIS

Average Speed	47.4	Range	37 - 57
50th Percentile	47.0	10 mph Pace	43 - 52
85th Percentile	52.3	Number in Pace	75
90th Percentile	53.6	Percent in Pace	69%
95th Percentile	55.3		

Spot Speed Study

Prepared by: National Data & Surveying Services

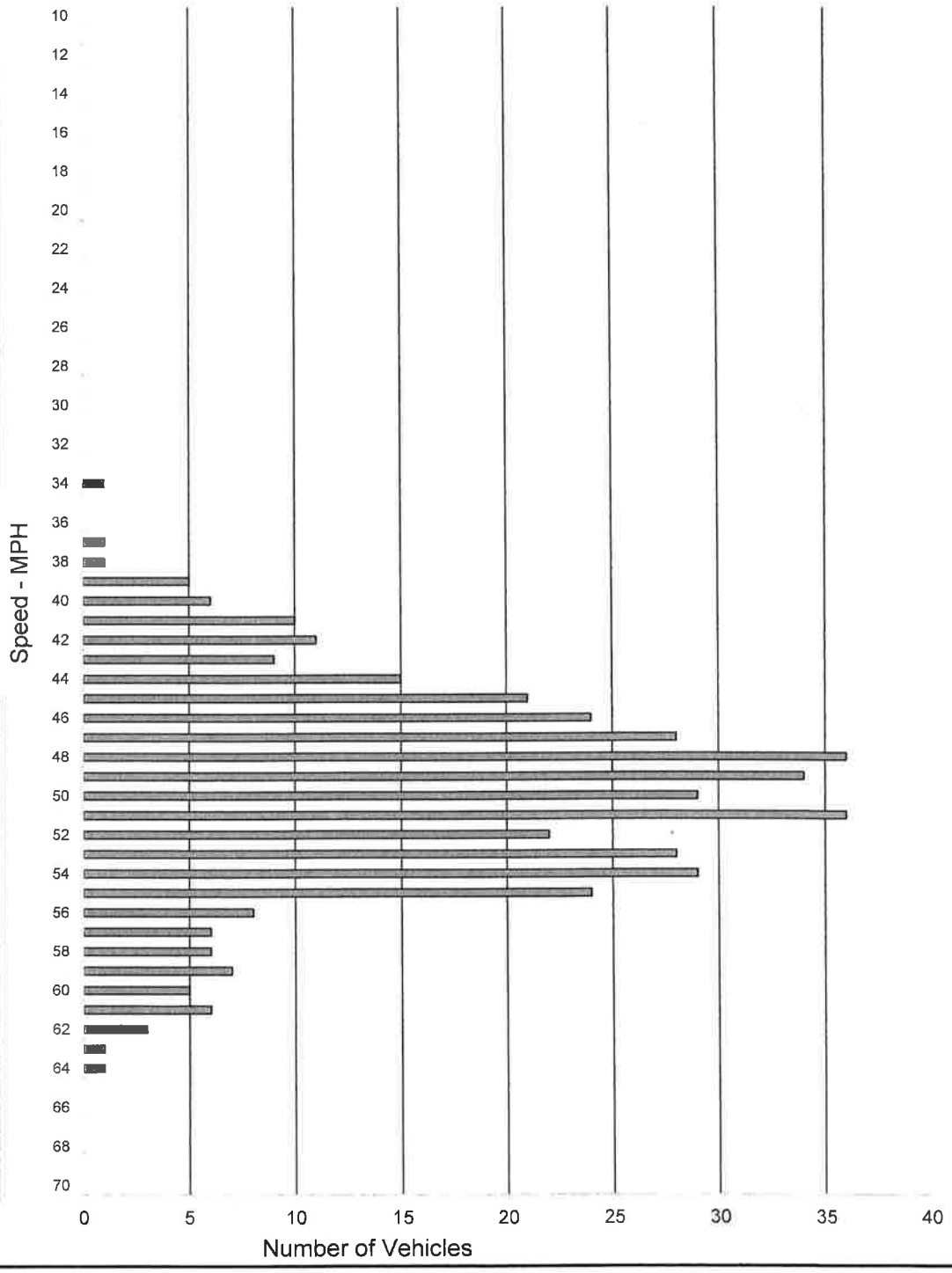
City of Barona

DATE: 8/12/2013 **Location:** Wildcat Cyn Rd 1070' s/o Founders Way

TIME: 12:48-14:48 **Posted Speed:** 50 MPH Clear/Dry **Project #:** 13-4283-003

Northbound & Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	1
35	
36	
37	1
38	1
39	5
40	6
41	10
42	11
43	9
44	15
45	21
46	24
47	28
48	36
49	34
50	29
51	36
52	22
53	28
54	29
55	24
56	8
57	6
58	6
59	7
60	5
61	6
62	3
63	1
64	1
65	
66	
67	
68	
69	
>=70	



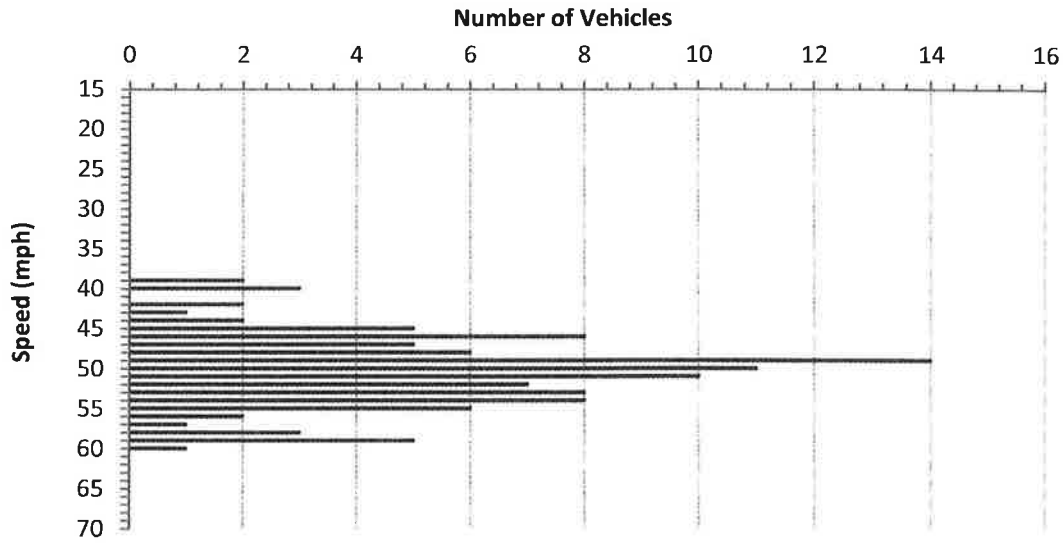
SPEED PARAMETERS

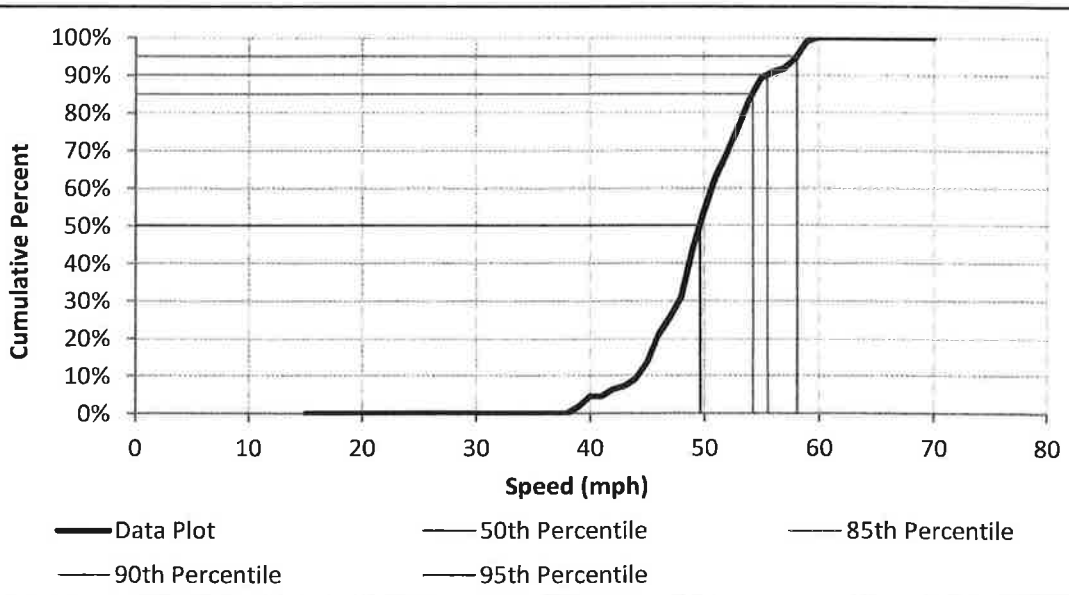
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	413	34 - 64	50 mph	55 mph	46 - 55	290	70%	19% / 80	11% / 43

RADAR SPEED SURVEY
SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Wildcat Canyon Road	**From:**	N/A	**To:**	N/A
Position:	430 Feet South of Featherstone Canyon Road			**Direction:**	NB/SB
Date:	8/21/2013	**Weather:**	SUNNY	**Project Number:**	13-4283-002
Time Start:	10:08 AM	**Road Condition:**	GOOD/DRY	**Observer:**	Geoffrey Retemeyer
Time End:	11:04 AM	**Posted Speed:**	50 MPH	**Calibration Test:**	Y

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39	2	1.8%
40	3	4.5%
41		
42	2	6.4%
43	1	7.3%
44	2	9.1%
45	5	13.6%
46	8	20.9%
47	5	25.5%
48	6	30.9%
49	14	43.6%
50	11	53.6%
51	10	62.7%
52	7	69.1%
53	8	76.4%
54	8	83.6%
55	6	89.1%
56	2	90.9%
57	1	91.8%
58	3	94.5%
59	5	99.1%
60	1	100.0%
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	110	





DATA ANALYSIS

Average Speed	50.2	Range	39 - 60
50th Percentile	49.6	10 mph Pace	46 - 55
85th Percentile	54.3	Number in Pace	83
90th Percentile	55.5	Percent in Pace	75%
95th Percentile	58.1		

Spot Speed Study

Prepared by: National Data & Surveying Services

City of Barona

DATE: 8/8/2013 **Location:** Wildcat Cyn Rd 430' s/o Featherstone Cyn Rd

TIME: 10:45-12:45 **Posted Speed:** 50 MPH Clear/Dry **Project #: 13-4283-002**

Northbound & Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
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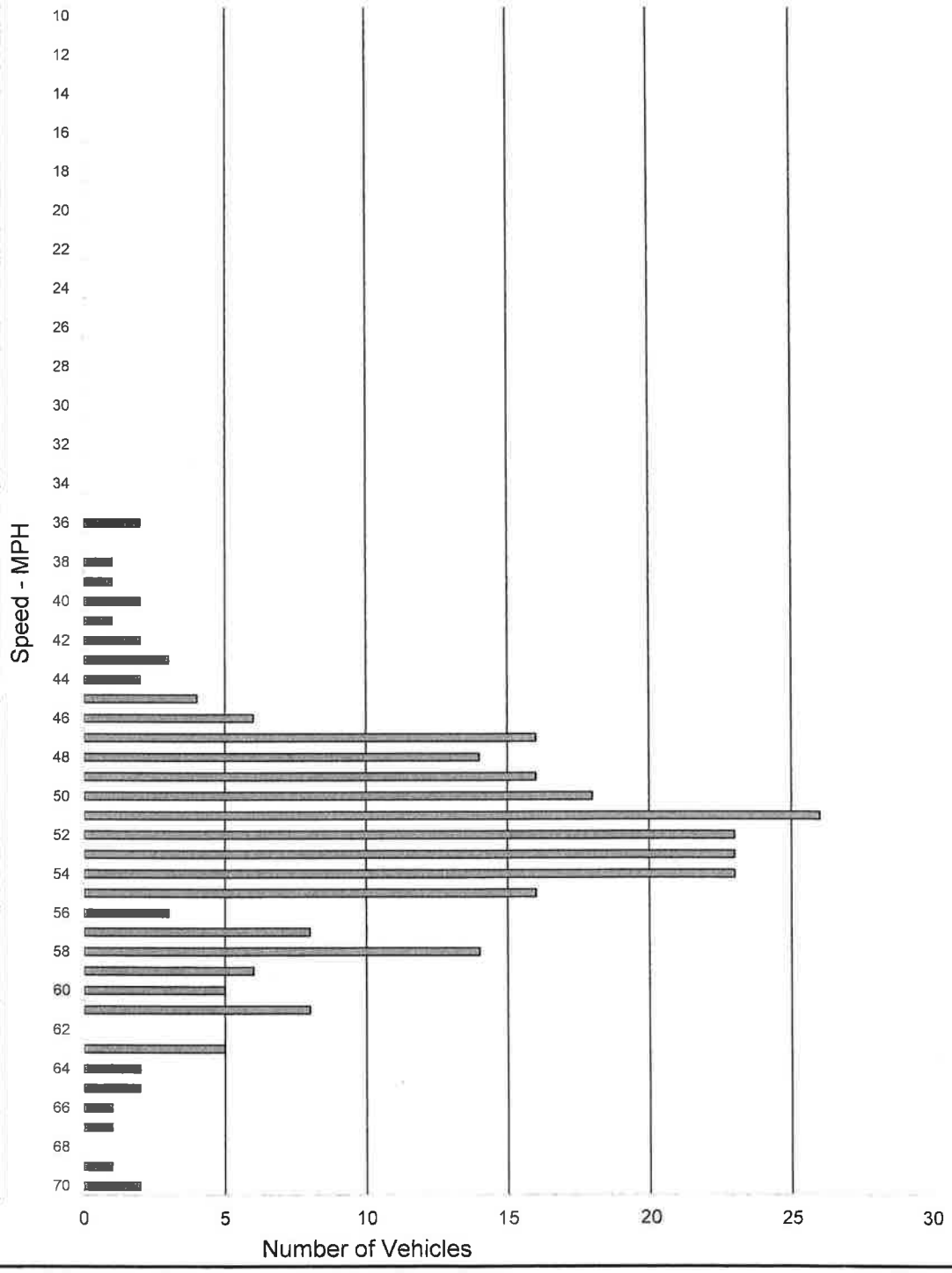
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	
35	
36	2
37	
38	1
39	1
40	2
41	1
42	2
43	3
44	2
45	4
46	6
47	16
48	14
49	16
50	18
51	26
52	23
53	23
54	23
55	16
56	3
57	8
58	14
59	6
60	5
61	8
62	
63	5
64	2
65	2
66	1
67	1
68	
69	1
>=70	2

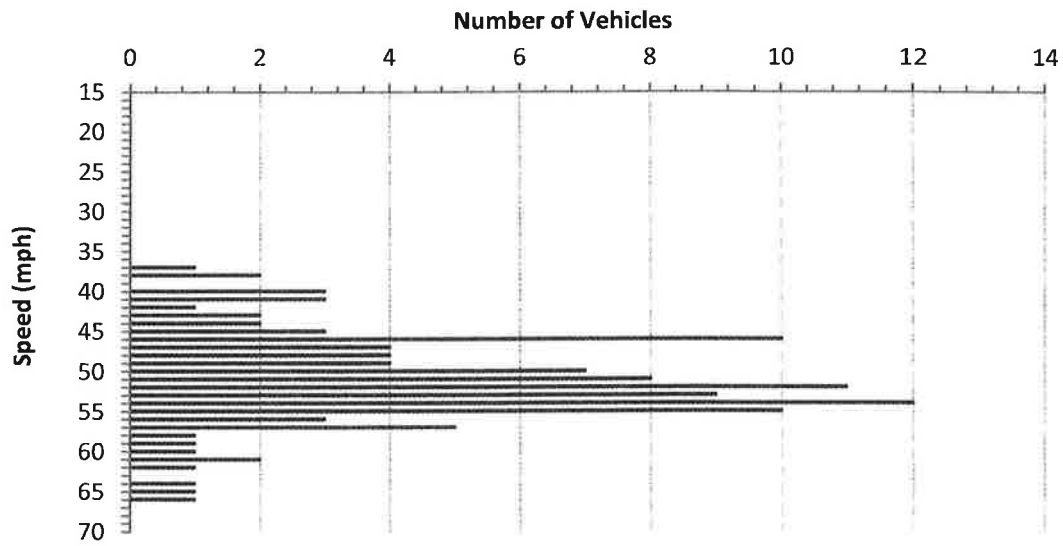


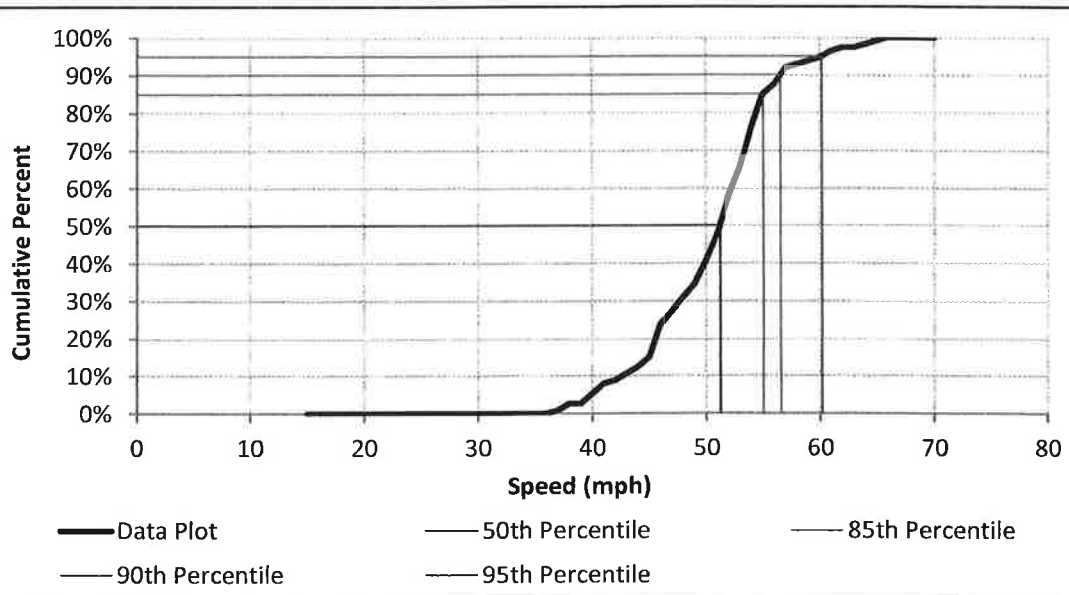
SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	257	36 - 69	52 mph	58 mph	46 - 55	181	70%	7% / 18	23% / 58

RADAR SPEED SURVEY
SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Wildcat Canyon Road	**From:**	N/A	**To:**	N/A
Position:	2770 Feet North of Featherstone Canyon Road			**Direction:**	NB/SB
Date:	8/21/2013	**Weather:**	SUNNY	**Project Number:**	13-4283-004
Time Start:	11:24 AM	**Road Condition:**	GOOD/DRY	**Observer:**	Geoffrey Retemeyer
Time End:	12:25 PM	**Posted Speed:**	50 MPH	**Calibration Test:**	Y

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37	1	0.9%
38	2	2.7%
39		
40	3	5.3%
41	3	8.0%
42	1	8.8%
43	2	10.6%
44	2	12.4%
45	3	15.0%
46	10	23.9%
47	4	27.4%
48	4	31.0%
49	4	34.5%
50	7	40.7%
51	8	47.8%
52	11	57.5%
53	9	65.5%
54	12	76.1%
55	10	85.0%
56	3	87.6%
57	5	92.0%
58	1	92.9%
59	1	93.8%
60	1	94.7%
61	2	96.5%
62	1	97.3%
63		
64	1	98.2%
65	1	99.1%
66	1	100.0%
67		
68		
69		
70		
Total	113	





DATA ANALYSIS

Average Speed	50.9	Range	37 - 66
50th Percentile	51.2	10 mph Pace	46 - 55
85th Percentile	55.0	Number in Pace	79
90th Percentile	56.5	Percent in Pace	70%
95th Percentile	60.2		

Spot Speed Study

Prepared by: National Data & Surveying Services

City of Barona

DATE: 8/8/2013 **Location:** Wildcat Cyn Rd 2770' n/o Featherstone Cyn Rd

TIME: 12:55-14:55 **Posted Speed:** 50 MPH Clear/Dry **Project #:** 13-4283-004

Northbound & Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
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15	
16	
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22	
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24	
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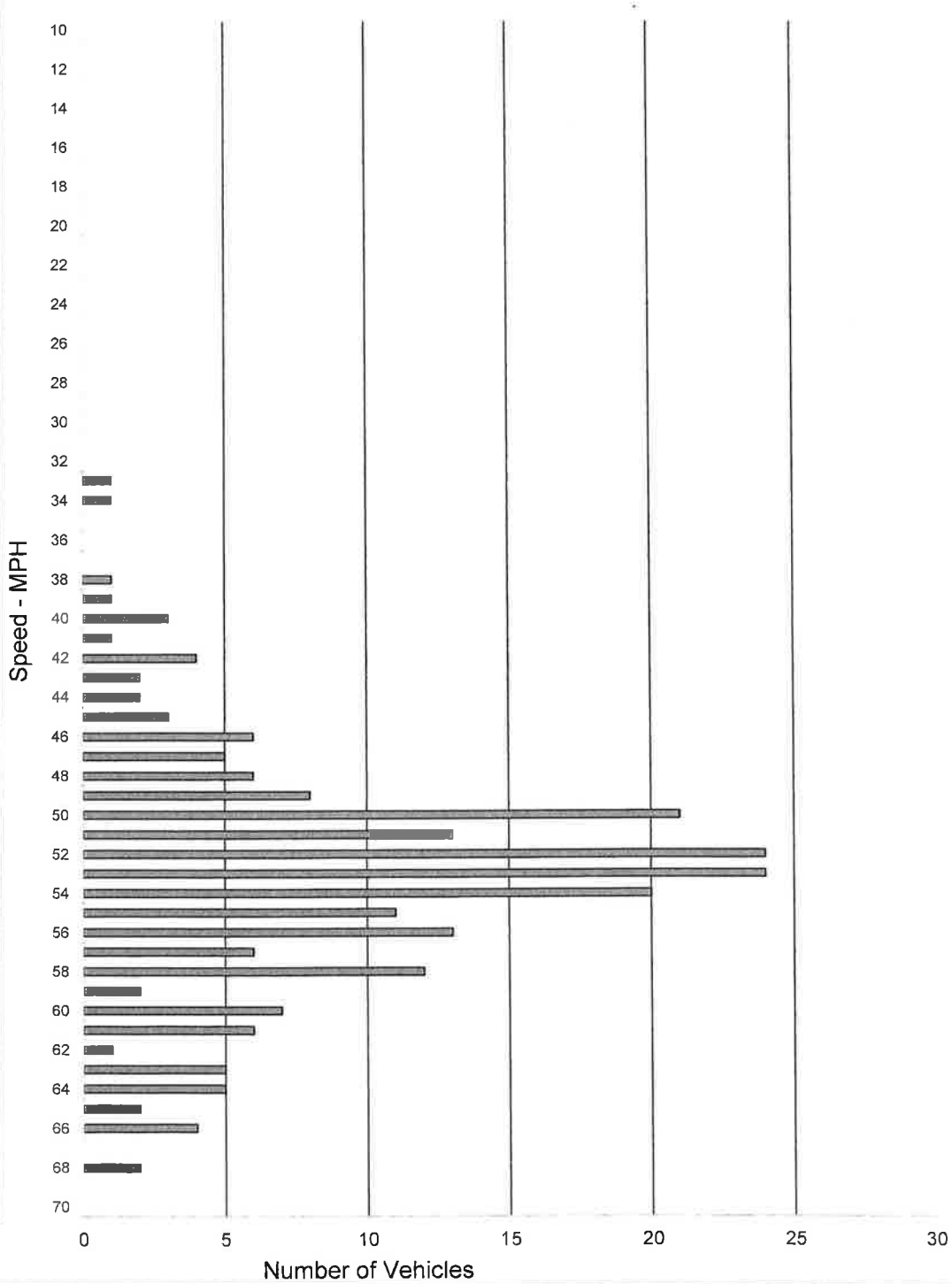
27	
28	
29	
30	
31	
32	
33	1
34	1
35	
36	
37	
38	1
39	1
40	3
41	1
42	4
43	2
44	2
45	3
46	6
47	5
48	6
49	8
50	21
51	13
52	24
53	24
54	20
55	11
56	13
57	6
58	12
59	2
60	7
61	6
62	1
63	5
64	5
65	2
66	4
67	
68	2
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	222	33 - 68	53 mph	59 mph	49 - 58	152	68%	16% / 36	16% / 34

Spot Speed Study

Prepared by: National Data & Surveying Services

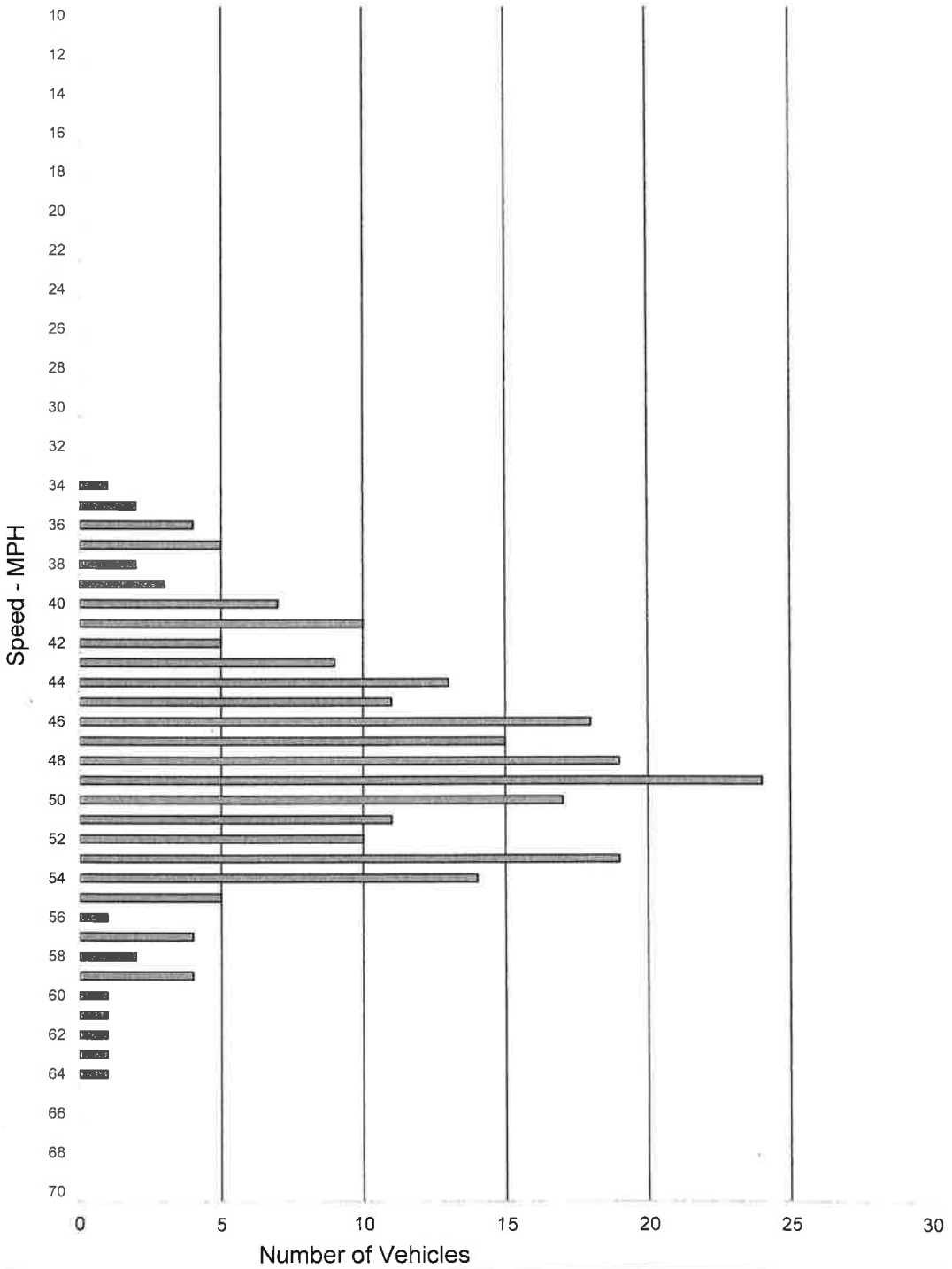
City of Barona

DATE: 8/13/2013 **Location:** Wildcat Cyn Rd 100' s/o Little Klondike Rd

TIME: 10:30-12:30 **Posted Speed:** 50 MPH Clear/Dry **Project #: 13-4283-001**

Northbound & Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	1
35	2
36	4
37	5
38	2
39	3
40	7
41	10
42	5
43	9
44	13
45	11
46	18
47	15
48	19
49	24
50	17
51	11
52	10
53	19
54	14
55	5
56	1
57	4
58	2
59	4
60	1
61	1
62	1
63	1
64	1
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	240	34 - 64	48 mph	53 mph	45 - 54	158	66%	25% / 61	9% / 21

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF:	November 1, 2013	**Item 2-C**
SUPERVISORIAL DISTRICT:	2	
SUBJECT:	Radar Recertification	
LOCATION:	Olde Highway 80 from Lake Jennings Park Road easterly to Dunbar Lane (3.8 miles) FLINN SPRINGS (Thos. Bros. 1232-G5) Lakeside/Alpine Community Planning Groups	
INITIATED BY:	DPW Traffic Engineering	
REQUEST:	Radar Recertification of the Existing 50 MPH Speed Limit	

PROBLEM AS STATED BY REQUESTER:

Olde Highway 80 is posted 50 MPH and is radar enforced. Preliminary review of prevailing speeds and roadway conditions support radar recertification for the existing 50 MPH speed limit.

Existing Traffic Devices

Olde Highway 80 is a striped two lane Through Highway that varies from 36 to 70 feet wide. There is a short segment between Pecan park Lane and Chimney Rock Lane with a two-way left-turn lane separating both directions of travel. There is a bike lane in place along both sides of the road. There is also a short section with both a parking lane and bike lane on the north side of the road. The road is posted 50 MPH/Radar Enforced. This roadway is classified as a Minor Road/Light Collector on the County General Plan Mobility Element Network.

Average Daily Traffic Volumes	**8/13**	**9/06**	**9/99**
Olde Highway 80:			
W/o Hawley Road	5,950*		
E/o Pecan Park Lane (east leg)	11,550*	11,960*	12,590*
E/o Oak Creek Road		6,050*	5,480*

* Two-Way Count

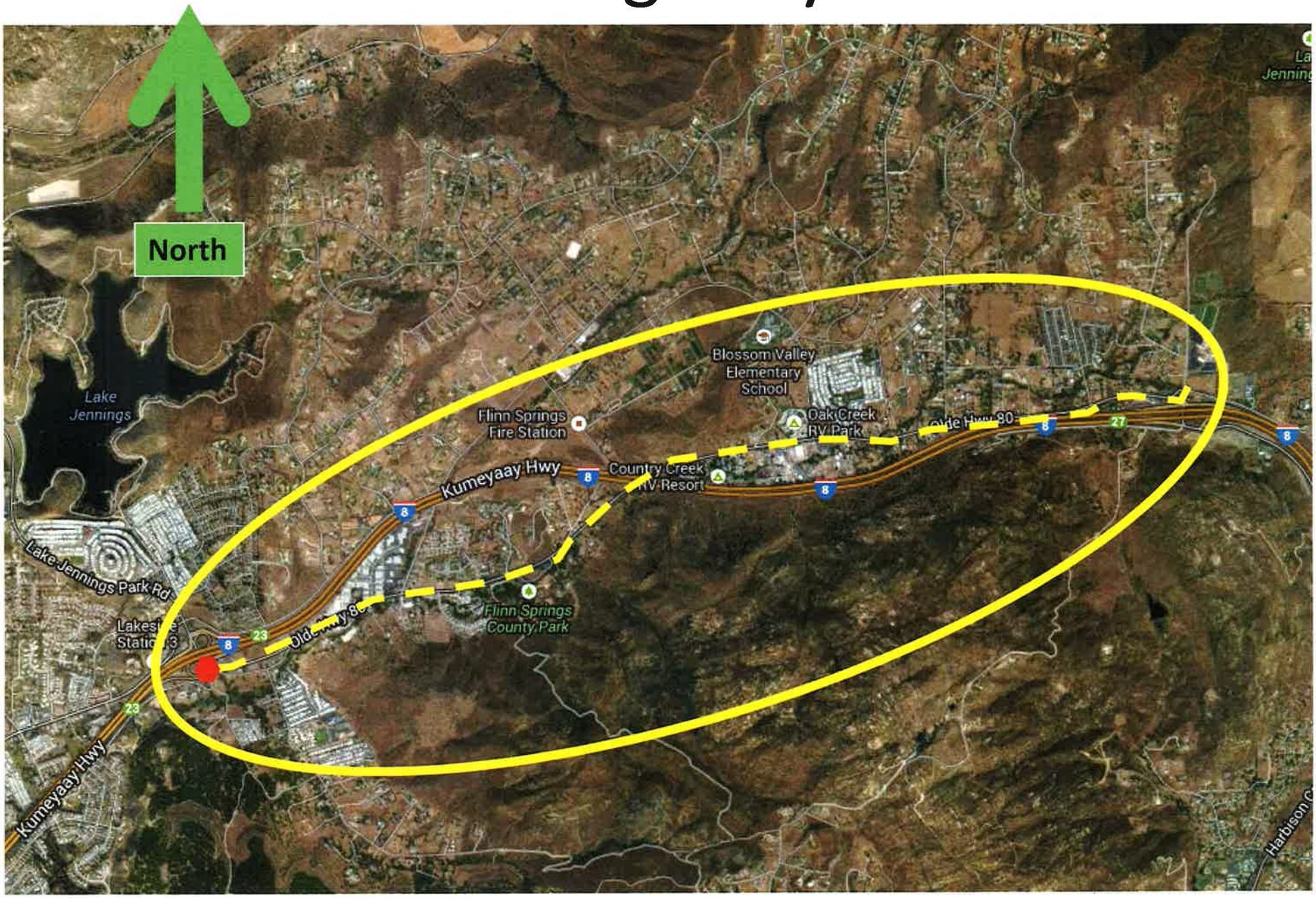
Spot Speed Data	85th Percentile	10 MPH Pace	% in Pace	
Olde Highway 80:				
370' E/o Pecan Park Ln (east leg)	(2013) 51.0 MPH	42-51	69.0%	(C)
	(2006) 45.4 MPH	37-46	65.1%	
980' W/o Flinn Springs Rd	(2013) 57.5 MPH	47-56	70.0%	(S)
	(2013) 56.0 MPH	46-55	76.0%	(C)
	(2006) 58.6 MPH	49-58	65.6%	
780' W/o Hawley Rd	(2013) 52.0 MPH	44-53	68.0%	(C)
	(2006) 54.1 MPH	43-52	68.3%	

(S) speed survey conducted by staff
(C) speed survey conducted by contractor

Collision Data

There have been 53 reported collisions along this segment of roadway in the last five years (06-30-08 to 06-30-13).

Olde Highway 80



Spot Speed Study

Prepared by: National Data & Surveying Services

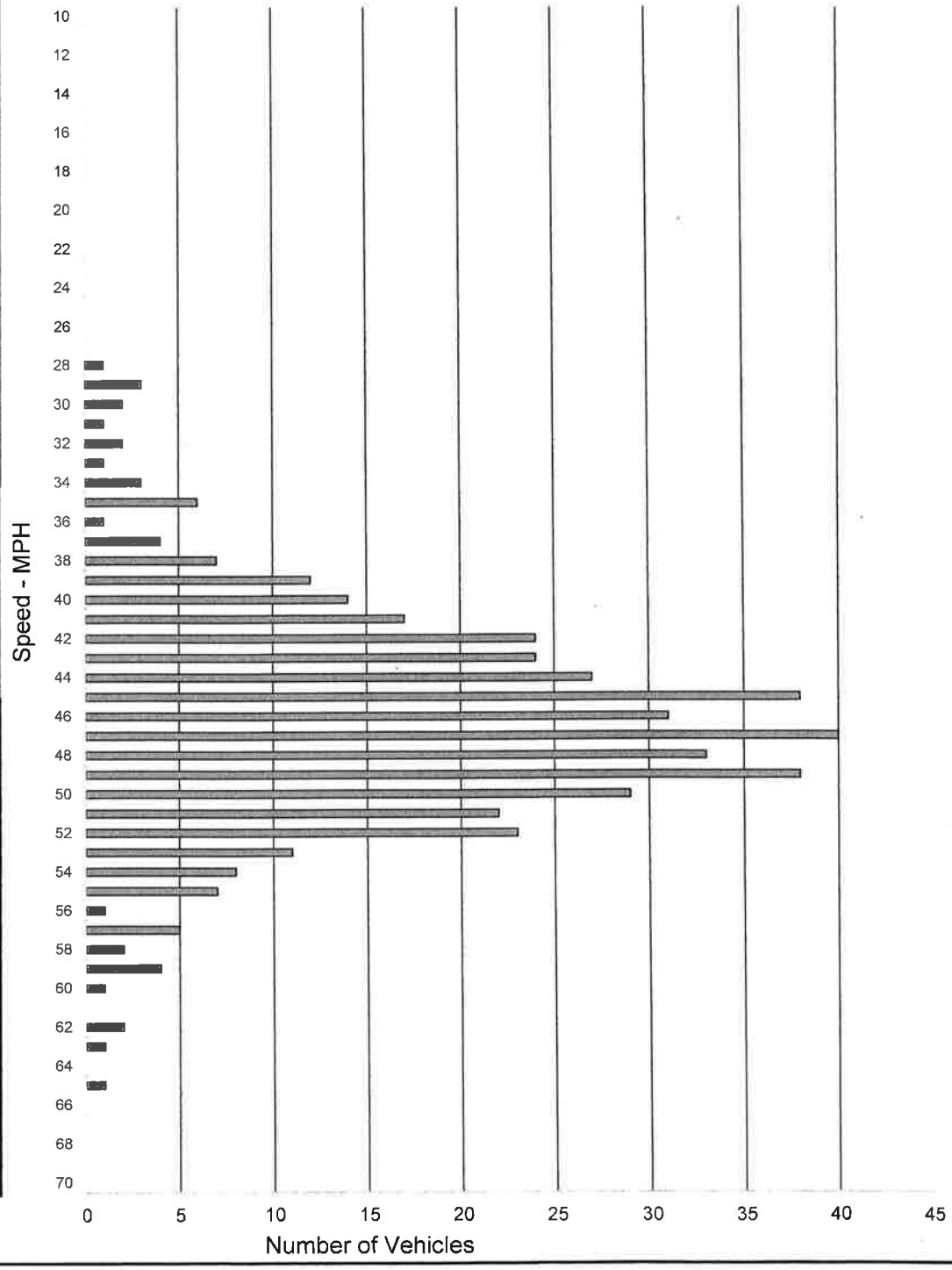
City of Flinn Springs

DATE: 8/9/2013 **Location:** Olde Hwy 80 370' e/o Pecan Park Ln E

TIME: 10:40-12:40 **Posted Speed:** 50 MPH Clear/Dry **Project #: 13-4284-003**

Eastbound & Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	1
29	3
30	2
31	1
32	2
33	1
34	3
35	6
36	1
37	4
38	7
39	12
40	14
41	17
42	24
43	24
44	27
45	38
46	31
47	40
48	33
49	38
50	29
51	22
52	23
53	11
54	8
55	7
56	1
57	5
58	2
59	4
60	1
61	
62	2
63	1
64	
65	1
66	
67	
68	
69	
>=70	

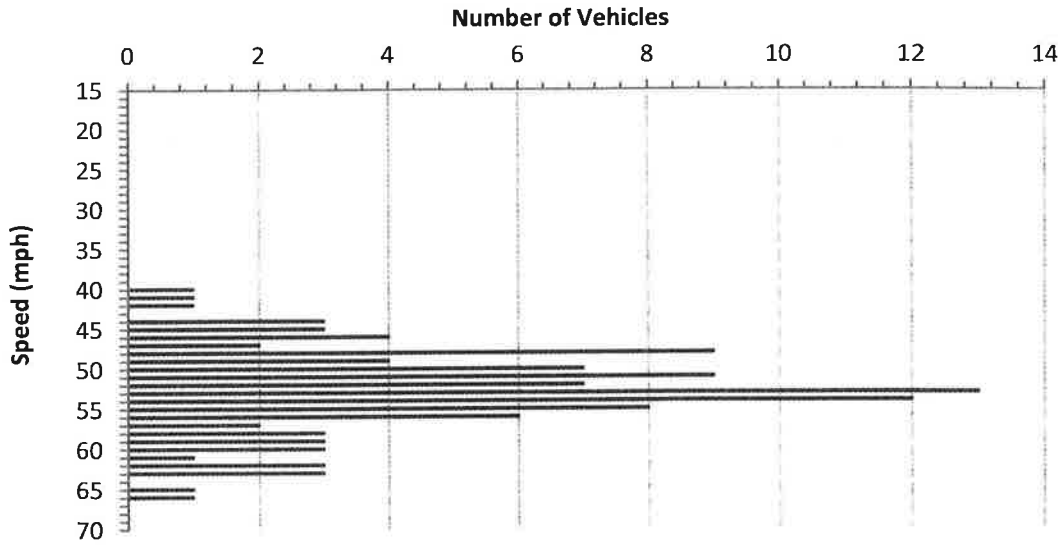


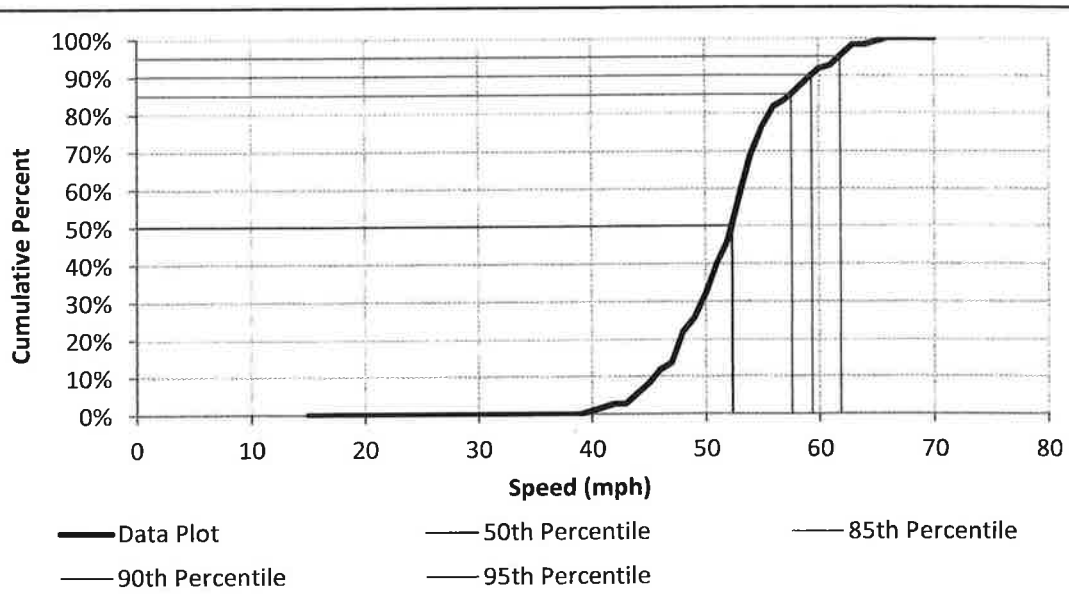
SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	446	28 - 65	47 mph	51 mph	42 - 51	306	69%	16% / 74	15% / 66

RADAR SPEED SURVEY
SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Olde Highway 80	**From:**	N/A	**To:**	N/A
Position:	980 Feet West of Flinn Springs Road			**Direction:**	EB/WB
Date:	8/20/2013	**Weather:**	SUNNY	**Project Number:**	13-4284-002
Time Start:	1:30 PM	**Road Condition:**	GOOD/DRY	**Observer:**	Geoffrey Retemeyer
Time End:	2:07 PM	**Posted Speed:**	50 MPH	**Calibration Test:**	Y

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40	1	0.9%
41	1	1.8%
42	1	2.7%
43		
44	3	5.5%
45	3	8.2%
46	4	11.8%
47	2	13.6%
48	9	21.8%
49	4	25.5%
50	7	31.8%
51	9	40.0%
52	7	46.4%
53	13	58.2%
54	12	69.1%
55	8	76.4%
56	6	81.8%
57	2	83.6%
58	3	86.4%
59	3	89.1%
60	3	91.8%
61	1	92.7%
62	3	95.5%
63	3	98.2%
64		
65	1	99.1%
66	1	100.0%
67		
68		
69		
70		
Total	110	





DATA ANALYSIS

Average Speed	52.7	Range	40 - 66
50th Percentile	52.3	10 mph Pace	47 - 56
85th Percentile	57.5	Number in Pace	77
90th Percentile	59.3	Percent in Pace	70%
95th Percentile	61.8		

Spot Speed Study

Prepared by: National Data & Surveying Services

City of Flinn Springs

DATE: 8/7/2013 **Location:** Olde Hwy 80 980' w/o Flinn Springs Rd

TIME: 12:50-14:50 **Posted Speed:** 50 MPH Clear/Dry **Project #: 13-4284-002**

Eastbound & Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
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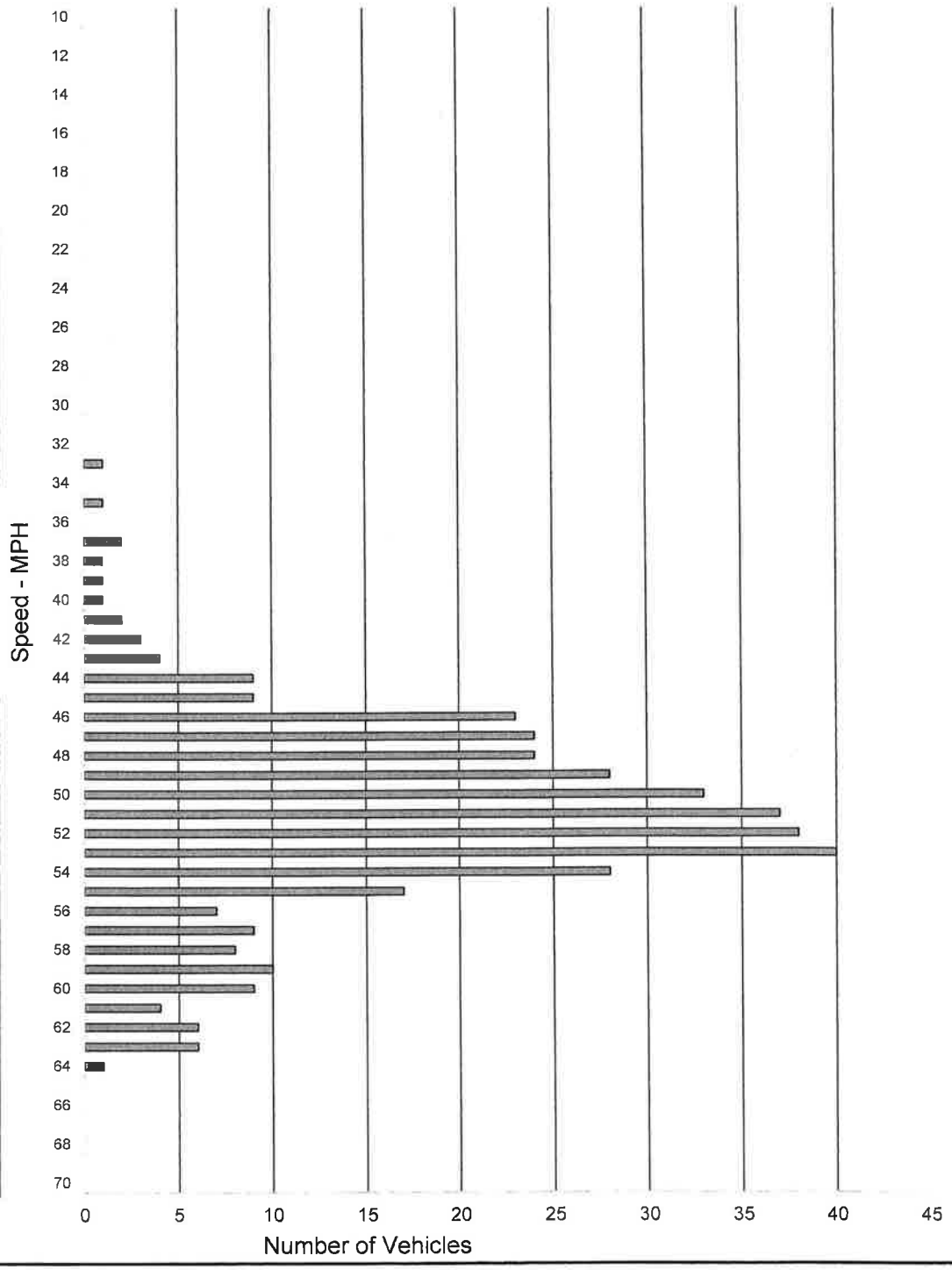
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	1
34	
35	1
36	
37	2
38	1
39	1
40	1
41	2
42	3
43	4
44	9
45	9
46	23
47	24
48	24
49	28
50	33
51	37
52	38
53	40
54	28
55	17
56	7
57	9
58	8
59	10
60	9
61	4
62	6
63	6
64	1
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	386	33 - 64	51 mph	56 mph	46 - 55	292	76%	8% / 34	16% / 60

Spot Speed Study

Prepared by: National Data & Surveying Services

City of Flinn Springs

DATE: 8/7/2013 **Location:** Olde Hwy 80 780' w/o Hawley Rd

TIME: 10:30-12:30 **Posted Speed:** 50 MPH Clear/Dry **Project #: 13-4284-001**

Eastbound & Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
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16	
17	
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21	
22	
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24	
25	
26	
27	
28	
29	
30	
31	
32	
33	1
34	
35	4
36	5
37	3
38	5
39	6
40	13
41	8
42	11
43	12
44	26
45	18
46	24
47	24
48	21
49	16
50	22
51	24
52	13
53	16
54	6
55	8
56	3
57	4
58	2
59	4
60	1
61	
62	1
63	
64	
65	
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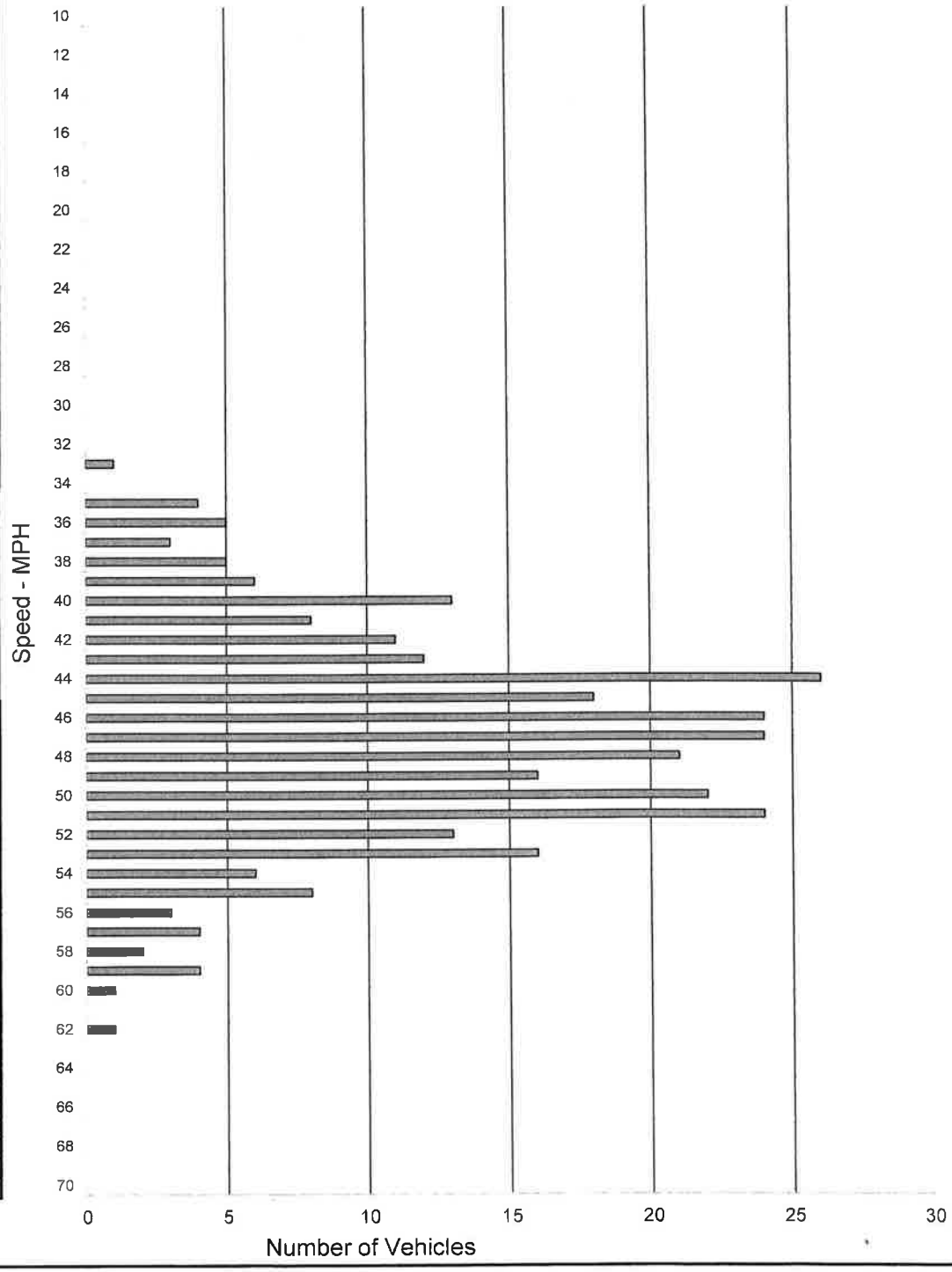
67	
68	
69	
>=70	



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	301	33 - 62	47 mph	52 mph	44 - 53	204	68%	22% / 68	10% / 29

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF:	November 1, 2013	**Item 3-A**
SUPERVISORIAL DISTRICT:	5	
SUBJECT:	Radar Recertification	
LOCATION:	Bear Valley Parkway from the southerly Escondido City Limit northerly to State Route 78 (0.91 miles) ESCONDIDO (Thos. Bros. 1130-C7)	
INITIATED BY:	DPW Traffic Engineering	
REQUEST:	Radar Recertification of the Existing 50 MPH Speed Limit	

PROBLEM AS STATED BY REQUESTER:

Bear Valley Parkway is posted 50 MPH and is radar enforced. Preliminary review of prevailing speeds and roadway conditions support radar recertification for the existing 50 MPH speed limit.

Existing Traffic Devices

Bear Valley Parkway is a striped Through Highway that varies from 43 feet to 84 feet wide. It is primarily a two-lane roadway. There is a section that has two-lanes for each directions of travel. There is a short segment with a two-way left turn lane separating both directions of travel. There are bike lanes on both sides of the road. The road is posted 50 MPH/Radar Enforced. A majority of Bear Valley Parkway is classified as a Major Road on the County General Plan Mobility Element Network. (NOTE: Bear Valley Parkway is posted 50 MPH in the City of Escondido.)

Average Daily Traffic Volumes	**8/13**	**11/06**	**1/00**
Bear Valley Parkway:			
S/o Bear Valley Oaks Road	20,910*		
@ Eldorado Drive		20,480*	17,220*

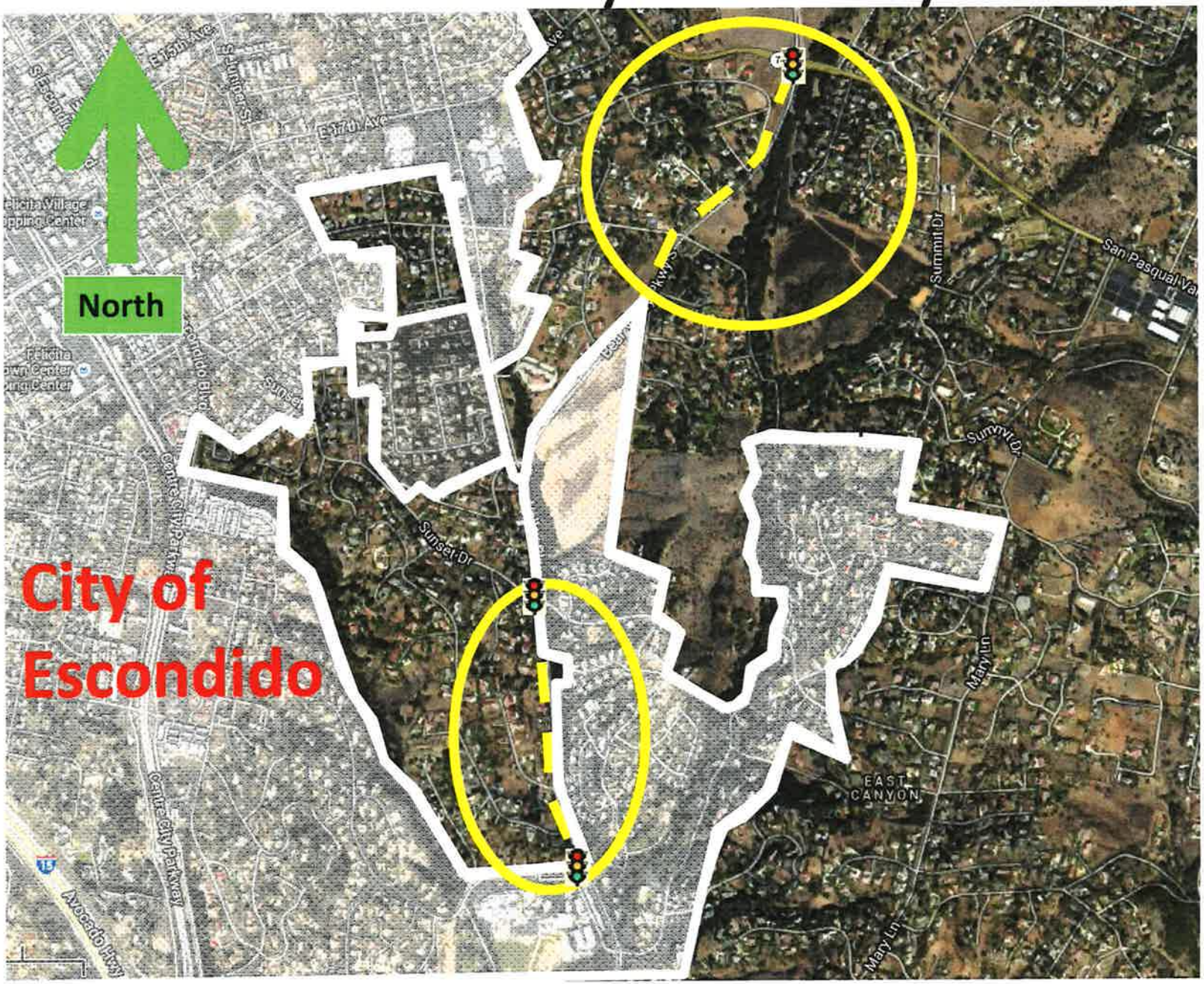
* Two-Way Count

Spot Speed Data	**85th Percentile**	**10 MPH Pace**	**% in Pace**
Bear Valley Parkway:			
100' S/o Bear Valley Oaks Road	(2013) 51.0 MPH	42-51	77.0%
@ Bear Valley Oaks Road	(2006) 54.2 MPH	45-54	63.6%

Collision Data

There have been 36 reported collisions along this segment of roadway in the last five years (06-30-08 to 06-30-13).

Bear Valley Parkway



Spot Speed Study

Prepared by: National Data & Surveying Services

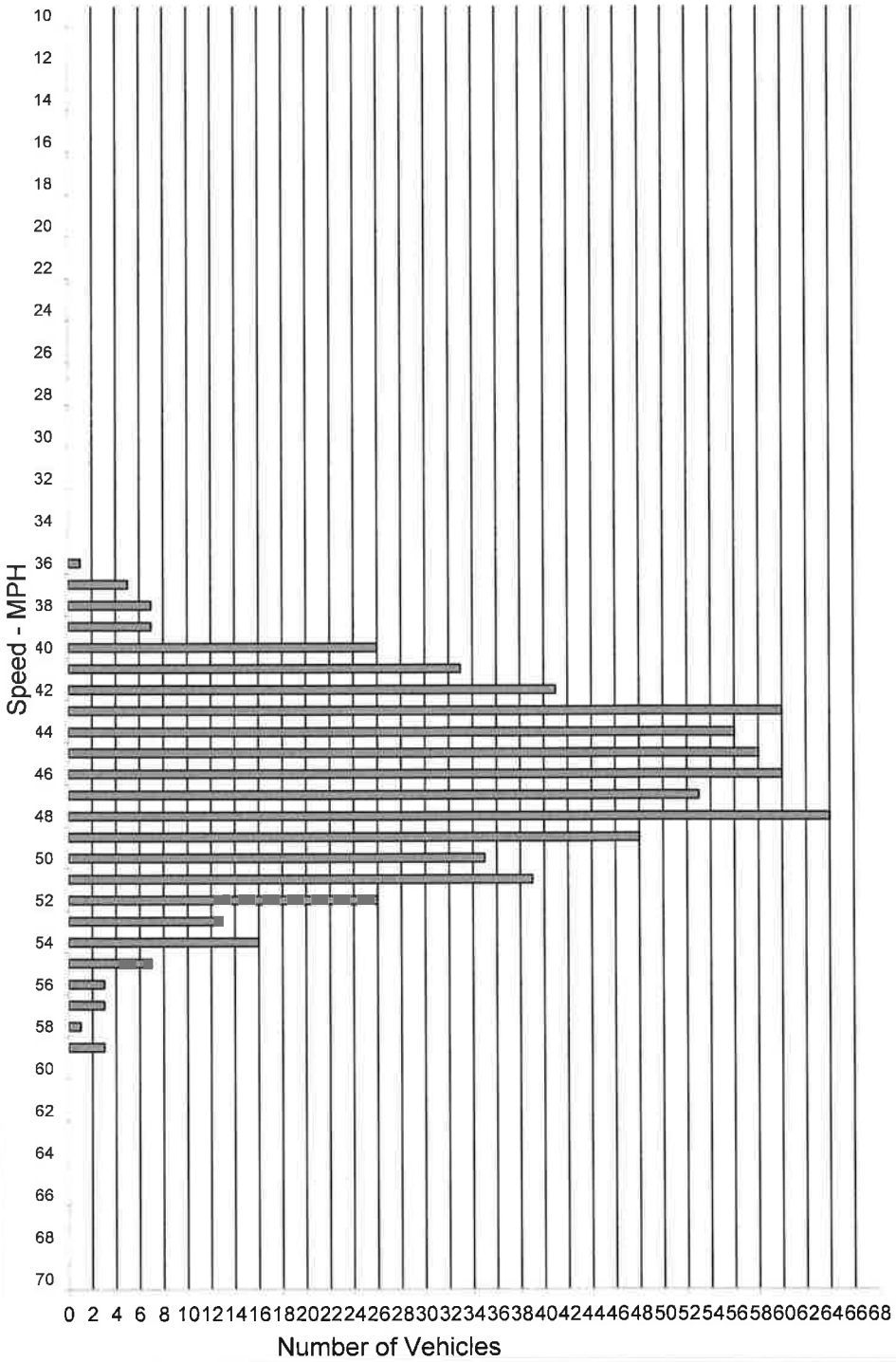
City of Escondido

DATE: 9/18/2013 **Location:** Bear Valley Parkway 100' s/o Bear Valley Oaks Rd

TIME: 12:15-14:15 **Posted Speed:** 50 MPH Clear/Dry **Project #:** 13-4322-003

Northbound & Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	
35	
36	**1**
37	**5**
38	**7**
39	**7**
40	**26**
41	**33**
42	**41**
43	**60**
44	**56**
45	**58**
46	**60**
47	**53**
48	**64**
49	**48**
50	**35**
51	**39**
52	**26**
53	**13**
54	**16**
55	**7**
56	**3**
57	**3**
58	**1**
59	**3**
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS

Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	665	36 - 59	46 mph	51 mph	42 - 51	514	77%	11% / 79	11% / 72