

RESOLUTION NO. 3669

A RESOLUTION OF THE CITY COUNCIL ESTABLISHING TRAFFIC
REGULATIONS PURSUANT TO CHAPTER 67 OF THE REDLANDS
ORDINANCE CODE

Pursuant to studies made in accordance with Chapter 67 of the Redlands Ordinance Code and the presentation of information gained in such studies, the City Council hereby finds and determines that traffic conditions and the convenience of the public require that certain regulations are necessary and shall be established.

SECTION ONE: Pursuant to Section 40802(b) of the California Vehicle Code and Article 680, Section 68001(a) of the Redlands Traffic Ordinance, the following highway has been studied and the following speed is hereby found most appropriate to facilitate the orderly movement of traffic and is reasonable and safe.

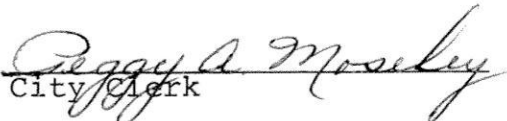
Highway:	Palm Avenue
Date of Study:	March 14, 1980
Speed Limit as Follows:	25 MPH between Silverwood Place and San Mateo Street
	30 MPH between San Mateo Street and Redlands Boulevard
	30 MPH between Redlands Boulevard and Grove Street
	25 MPH between Grove Street and the east end of Palm Avenue

ADOPTED, SIGNED AND APPROVED this 1st day of April, 1980.



Mayor of the City of Redlands

ATTEST:



City Clerk

APPROVED FOR FORM:

s/ Edward F. Taylor
City Attorney

ENGINEERING, TRAFFIC AND SPEED SURVEY

HIGHWAY UNDER SURVEY: Palm Avenue
AREA OF: Between Ford Street and Silverwood Place
DATE OF SURVEY: March 14, 1980

RECOMMENDATIONS:

It is recommended that based on the facts of this survey that Palm Avenue between Silverwood and San Mateo Streets remain posted 25 MPH. The area meets the requirements of CVC 22352 b-1 (residential district) for a 25 MPH speed limit. There are five intersections in this area and they are all uncontrolled. The critical speed for the area was observed at 30 MPH with an average speed of 24 MPH.

Taking the above facts into consideration, a speed limit of 25 MPH would be appropriate to facilitate the orderly movement of traffic in a safe and reasonable manner.

The area between Redlands Boulevard and San Mateo Street should remain a 30 MPH zone. This area meets the requirement of CVC 22352 b-1 (residential area) for a 25 MPH zone. The area between Banyan Drive and Eureka Street meets the requirements of 22352 b-1 (school zone) for a 25 MPH speed limit. There are 16 intersections in the area and 11 are uncontrolled.

The observed critical speeds were 36 MPH at Alvarado Street (pace speed 28-38, average 31), 34 at Hibiscus Dr. (pace speed 26-36, average 30) and 34 at Dana Street (pace speed 26-36, average 30). The road width varies between 38 and 49 feet and the area has mod-heavy pedestrian traffic.

Taking the above facts into consideration a speed limit of 30 MPH would be appropriate to facilitate the orderly movement of traffic in a safe and reasonable manner. The area between Banyan Dr. and Eureka St. should remain posted for 25 MPH when school children are present.

The area between Redlands Blvd. and Grove St. should be increased from 25 to 30 MPH. The area meets the requirements of 22352 b-1 for a 25 MPH speed limit. The area has 8 intersections, 6 of them uncontrolled. The area had a critical speed of 34 MPH (pace speed 26-36). The road width varies from 47 to 48 to 34 feet.

Taking the above facts into consideration, a speed limit of 30 MPH would be appropriate to facilitate the orderly movement of traffic in a safe and reasonable manner.

The area between Grove St. and the E/end of Palm Ave. should remain a 25 MPH zone. This area meets the requirements of 22352 b-1 (residential area) for a 25 MPH zone. This area has 4 inter-sections with 3 of them uncontrolled. The road width varies between 49 to 22 feet. The observed critical speed was not taken due to the low traffic volume.

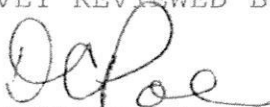
Taking the above facts into consideration, a speed limit of 25 MPH would be appropriate to facilitate the orderly movement of traffic in a safe and reasonable manner.

It is recommended that the road way be sign posted as follows:

1. Post 25 MPH signs for west bound traffic:
 - a) Just W/of Ford St.
 - b) Just W/of San Mateo St. (Posted)
2. Post 25 MPH signs for east bound traffic:
 - a) Just E/of Serpentine (Posted)
 - b) Just E/of Grove St. (Posted)
3. Post 30 MPH signs for west bound traffic:
 - a) Just W/of Grove St.
 - b) Just W/of Roosevelt
 - c) Just W/of Hibiscus (Posted)
 - d) Just W/of Lytle St.
 - e) Just W/of Eureka (Posted)
 - f) Just W/of Center St. (Posted)
 - g) Just W/of Monterey St.
4. Post 30 MPH signs for east bound traffic:
 - a) Just E/of San Mateo St. (Posted)
 - b) Just E/of Center St. (Posted)
 - c) Just E/of Cajon St. (Posted)
 - d) Just E/of Redlands Blvd.
 - e) Just E/of Roosevelt Rd. (At Coronado Dr.)
5. Remove 25 MPH signs:
 - a) Just E/of Redlands Blvd.
 - b) Just W/of Roosevelt Rd.
 - c) At Coronado Dr.
 - d) Just W/of Grove St.


Cletus F. Hyman, Sergeant
Traffic Safety

SURVEY REVIEWED BY:


D. C. Poe, Captain
Redlands Police Department

FILE NUMBER

ACCIDENT
LEGEND

'ROP. DAM. ONLY

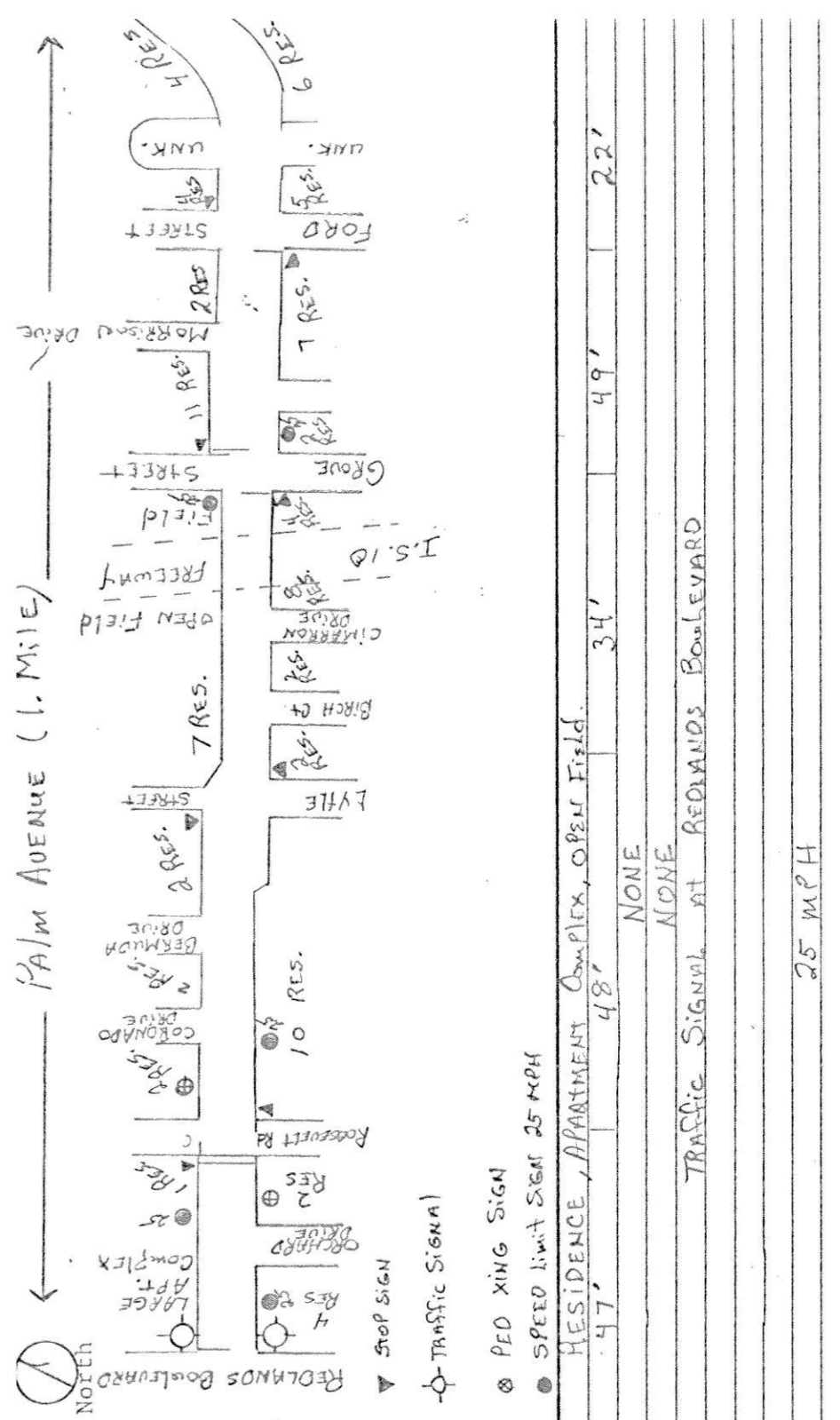
ION-FATAL

TOTAL

1978

1977

61

[illegible]

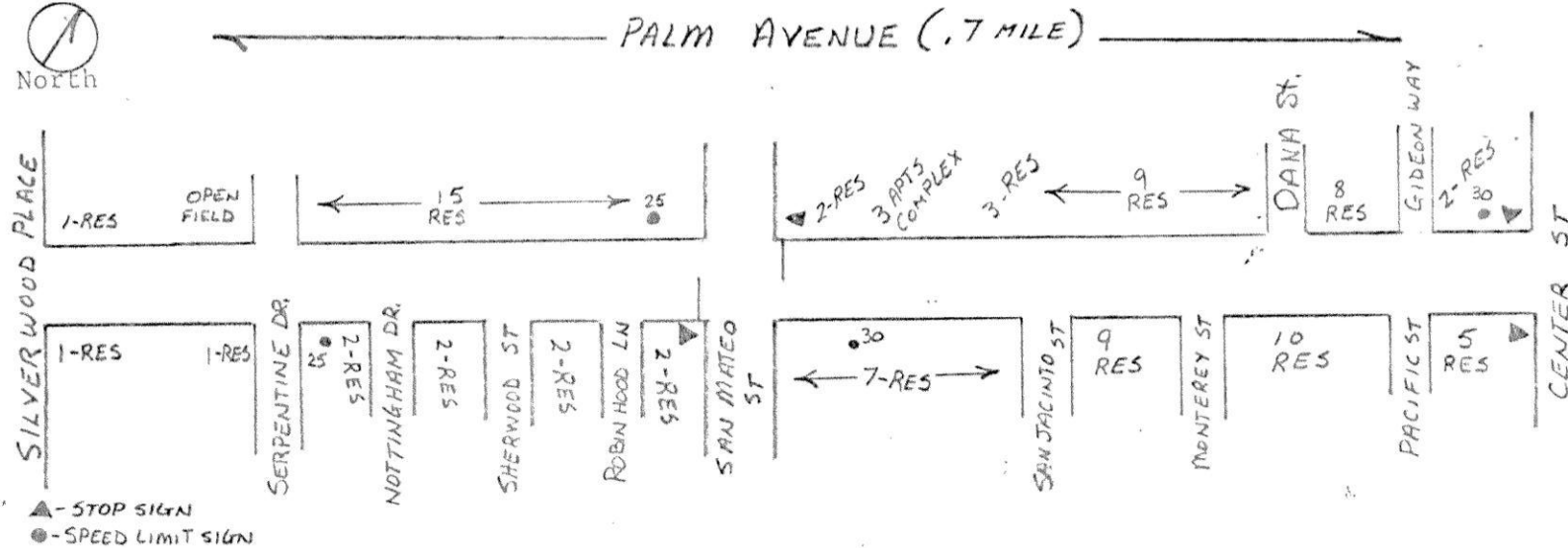
SPEED SURVEY
WORKSHEET #

PALM AVENUE
HIGHWAY NAME

BETWEEN CENTER ST
AND SILVERWOOD PLICE

DATE OF SURVEY

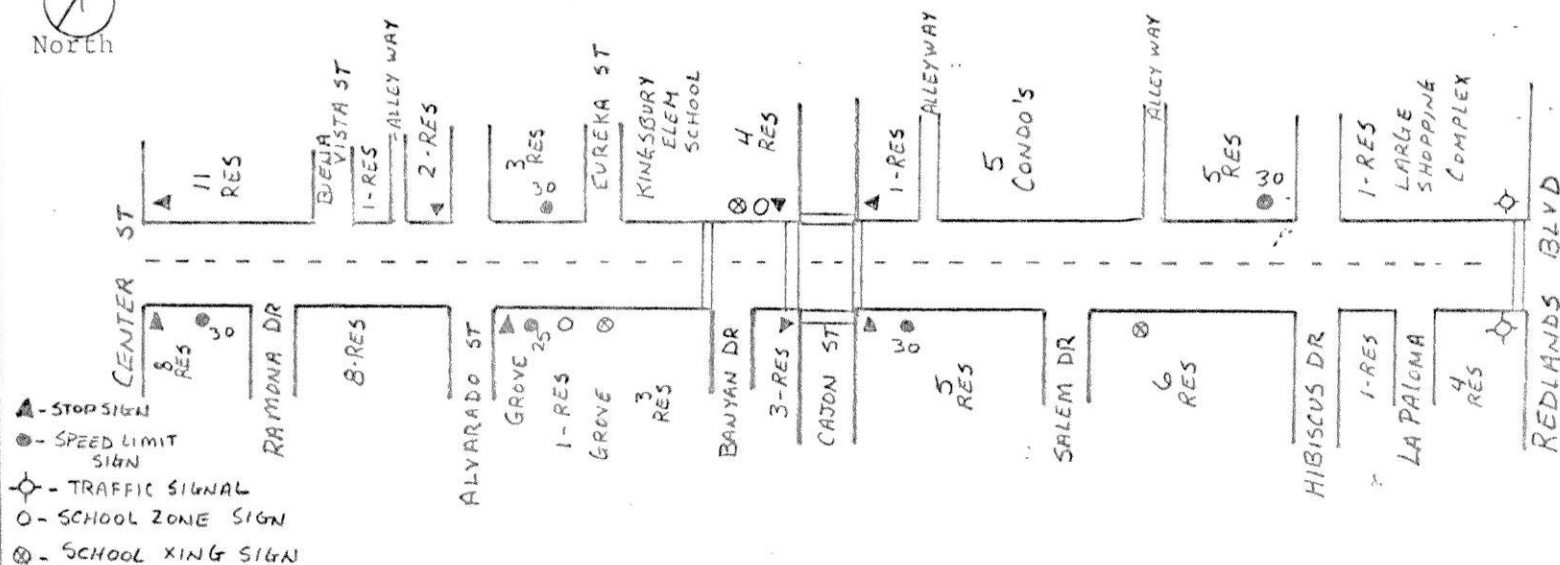
FILE NUMBER



DEVELOPMENT	RESIDENCE, APARTMENTS, ORANGE GROVE		
ROADWAY WIDTH	37'	38'	39'
NO. OF STRIPED LANES	NONE		
TYPE OF DIVISION STRIP	NONE		
TRAFFIC SIGNAL DATA	NONE		
AVERAGE DAILY TRAFFIC			
OBSERVED SPEED - CRITICAL			
OBSERVED SPEED - PACE			
EXISTING SIGNED ZONE	25 MPH 30 MPH		
PROPOSED SPEED LIMIT	25 MPH 30 MPH		
ACCIDENT LEGEND	1978		
PROP. DAM. ONLY ☒	1977		
NON-FATAL ☐			
FATAL ☐	19		

North

FILE NUMBER



DEVELOPMENT	RESIDENCE, SCHOOL, BUSINESS, ORANGE GROVE		
ROADWAY WIDTH	49'	48'	49'
NO. OF STRIPED LANES	TWO LANE		
TYPE OF DIVISION STRIP	BROKEN YELLOW LINES		
TRAFFIC SIGNAL DATA	TRAFFIC SIGNALS AT REDLANDS BLVD		
AVERAGE DAILY TRAFFIC			
OBSERVED SPEED - CRITICAL			
OBSERVED SPEED -- PACE			
EXISTING SIGNED ZONE	30 MPH		
PROPOSED SPEED LIMIT			

[illegible]

MOTOR VEHICLE SPEED

FILE NO.:

ROAD: PALM AVENUE OBSERVER: F W FARNAM DATE: 11-29-79
 LOCATION: HIBISCUS DRIVE CALC. BY: SET HANAN TIME: 1315 START
 WEATHER: CLEAR ROAD CONDITION: _____ CHECKED BY: _____ 1400 _____ FINISH

[illegible]

DIRECTION:		NO. VEH.	TOTAL SPEED
Mph	VEHICLES		
	5 10 15 20 25		
82			
80			
78			
76			
74			
72			
70			
68			
66			
64			
62			
60			
58			
56			
54			
52			
50			
48			
46			
44			
42			
40	X		1 42
38	X		2 80
36	X		4 152
34	X		2 72
32	X		15 510
30	X		11 352
28	X		14 420
26	X		10 280
24	X		12 312
22	X		4 96
20	X		1 22
18	X		1 20
16	X		1 18
14	X		2 32

LEGEND

X = PASS CAR

P = PICKUP

B = BUS

2 = 2 AXLES

3 = 3 AXLES

4 = 4 AXLES

5 = 5 AXLES

6 = 6 AXLES

Form 8-P7a

TOTALS 68 1962

Average Speed.....30.....

Critical Speed 34

Pace Speed 26 to 36

% Over Pace 10%

% In Pace 8190

% Under Pace 99%

145 4370

30

34

26 yr 36

1190

79070

1070

TOTALS 80 2408.

Average Speed.....30

Critical Speed 34

Pace Speed 26 to 30

% Over Pace 117.0

% In Pace 787

% Under Pace 11%

MOTOR VEHICLE SPEED

FILE NO.: _____

AD: PALM AVENUE

OBSERVER: F. W. FARNAM

DATE: 11-30-79

CATION: LYTLE STREET

CALC. BY: _____

TIME: 1000 START

ATHER: CLEAR

ROAD CONDITION: DRY

CHECKED BY: NO WORK FOR A CORRECTION IN THE SYSTEM ANY MORE

1100 FINISH

DIRECTION:

[illegible]

LEGEND

X = PASS CAR

P = PICKUP

B = BUS

2 = 2 AXLES

3 = 3 AXLES

4 = 4 AXLES

5 = 5 AXLES

8 = 8 AXLES

Form 8-P7a

TOTALS 61 1836

Average Speed 30

Critical Speed 34

Pace Speed 22 to 38

% Over Pace 67

% In Poce 68%

% Under Pace 56.7%

DIRECTION:

[illegible]

TOTALS 50 1710

Average Speed 30

Critical Speed 30

Pace Speed 26 to 36

% Over Pace 1770

% In Pace 75%

% Under Pace 87%

MOTOR VEHICLE SPEED

FILE NO.:

HIGHLAND AVENUE

OBSERVER: F W FARNAM

DATE: 11-28-79

ION: Kenwood DE

CALC. BY: C. Hymers

TIME: 1910

START

ER: CLEAR

ROAD CONDITION:

CHECKED BY:

1540

FINISH

CTION:

[illegible]

END

PASS CAR

: PICKUP

: BUS

: 2 AXLES

: 3 AXLES

= 4 AXLES

: 5 AXLES

= 8 AXLES

0 072

TOTALS 69 1870

Average Speed 27

Critical Speed 30

Pace Speed 22 to 32

% Over Pace 14%

% Over Pace 17.10
95.9

% In Pace 85.70

% Under Pace 170

DIRECTION:

DIRECTION:		NO. VEH.	TOTAL SPEED
Mph	VEHICLES		
	5 10 15 20 25		
82			
80			
78			
76			
74			
72			
70			
68			
66			
64			
62			
60			
58			
56			
54			
52			
50			
48			
46			
44			
42	X	1	42
40			
38			
36	X	1	36
34	X	1	34
32	X X	2	64
30	X X P X P X X X	8	240
28	X X X X X P X X X X P X	12	336
26	X X X X X X P X X X X P X	15	390
24	X X P X X P P X X X X B	12	288
22	B X X X X	5	110
20	X	1	20
18	X	1	18
16			
14			

127 3406

26

30

22 to 32

Average Speed 26

Critical Speed 30

Pace Speed 22 to 32

470

% Over Pace 8970

% In Poce 30.1%

% Under Pace 5.12

MOTOR VEHICLE SPEED

FILE NO.: _____

ROAD: PALM AVENUE OBSERVER: F W FARNAM DATE: 11-29-79

LOCATION: ALVARADO STREET CALC. BY: SET HYMAN TIME: 1530 START

WEATHER: CLEAR SUNNY ROAD CONDITION: DRY CHECKED BY: LEIS FINISH

DIRECTION: <u>WEST</u>										NO. VEH.	TOTAL SPEED
Mph	5	10	15	20	25						
82											
80											
78											
76											
74											
72											
70											
68											
66											
64											
62											
60											
58											
56											
54											
52											
50											
48											
46											
44	X									1	44
42											
40	X	X	X							4	160
38	X	X	X	X						3	114
36	X	X	X	X	X					8	288
34	X	X	X	X	X					7	238
32	X	X	X	X	X	X				9	288
30	X	X	X	X	X	X	X			14	420
28	X	X	X	X	X	X	X			6	168
26	X	X	P	X	P					6	156
24	X	X	X	X						4	96
22											
20	7									1	20
18											
16											
14											

DIRECTION: <u>EAST</u>										NO. VEH.	TOTAL SPEED
Mph	5	10	15	20	25						
82											
80											
78											
76											
74											
72											
70											
68											
66											
64											
62											
60											
58											
56											
54											
52											
50											
48											
46											
44	X									1	44
42											
40	X	X	X							3	120
38	X	X	X	X						4	152
36	X	X	X	P	X	X	X			7	252
34	X	X	P	X	X	X	X	X		9	306
32	X	X	P	X	P	X	X	X		9	288
30	X	X	X	P	X	X	X	X	X	13	390
28	P	X	X	P	X	X	X			7	196
26	X	X	P							3	78
24	P	X	X	P	X					5	120
22	X	X								2	44
20	X	X								2	40
18											
16											
14											

LEGEND

- X = PASS CAR
- P = PICKUP
- B = BUS
- 2 = 2 AXLES
- 3 = 3 AXLES
- 4 = 4 AXLES
- 5 = 5 AXLES
- 6 = 6 AXLES

Form 8-P7a

TOTALS 63 1948

Average Speed 30
 Critical Speed 36
 Pace Speed 28 to 38
 % Over Pace 12%
 % In Pace 71%
 % Under Pace 17%

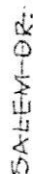
TOTALS 128 3978

Average Speed 31
 Critical Speed 36
 Pace Speed 28 to 38
 % Over Pace 12%
 % In Pace 71%
 % Under Pace 17%

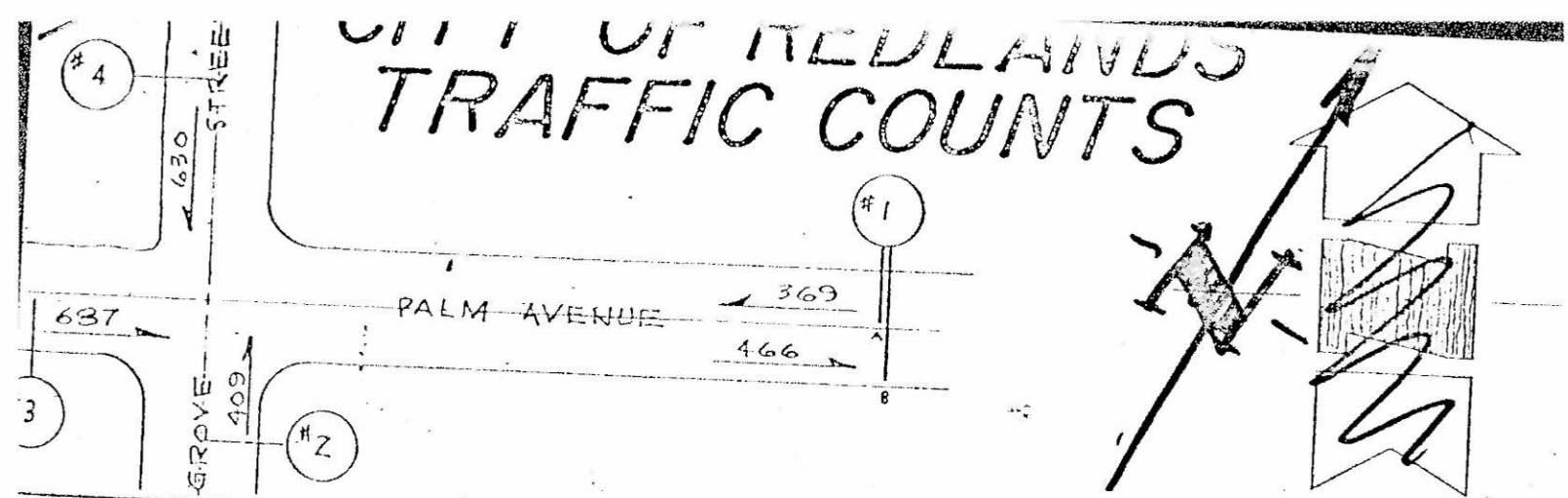
TOTALS 65 2030

Average Speed 31
 Critical Speed 36
 Pace Speed 28 to 38
 % Over Pace 12%
 % In Pace 70%
 % Under Pace 18%

~~BERMUDA-02~~

DT

CITY OF REDLANDS TRAFFIC COUNTS



DATE & TIME	TRAFFIC COUNTER NUMBER				
	No. 1 (A)	No. 1 (B-A)	No. 2	No. 3	No. 4
FEBRUARY 1980 1000 HRS					
TUESDAY, FEB. 5	383	491	388	746	626
WEDNESDAY, FEB. 6	421	514	408	716	618
THURSDAY, FEB. 7	380	497	403	710	643
FRIDAY, FEB. 8	427	482	481	748	781
SATURDAY, FEB. 9	321	456	398	680	662
SUNDAY, FEB. 10	321	407	389	582	524
MONDAY, FEB. 11	330	414	394	629	557
TUESDAY, FEB. 12	2,583	3,261	2,861	4,811	4,411
	÷ 7	÷ 7	÷ 7	÷ 7	÷ 7
DT	369	466	409	687	630