

RESOLUTION NO. 4383

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF REDLANDS
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 the following highway has been studied and the following speed limits are hereby found most appropriate to facilitate the orderly movement of traffic and are reasonable and safe.

Highway: Redlands Boulevard

Date of Study: February 25, 1988

Speed Limits as Follows:

45 mph between Ford Street and Highland Avenue

35 mph between Highland Avenue and a point midway between Fern Avenue and Cypress Avenue

25 mph between a point midway between Fern Avenue and Cypress Avenue and Sixth Street

ADOPTED, SIGNED AND APPROVED this 5th day of July, 1988.


Mayor of the City of Redlands

ATTEST:


City Clerk

ENGINEERING, TRAFFIC AND SPEED SURVEY

Pos. 4383

HIGHWAY UNDER SURVEY:

Redlands Blvd.

AREA OF:

Between Sixth St./Ford St.

DATE OF SURVEY:

February 25, 1988

RECOMMENDATIONS

Based on the facts of this survey, it is recommended that Redlands Blvd. between Ford Street and Highland Avenue remain posted for 45 mph. The critical speed for this area was observed to be 48 mph with an average speed of 42 mph. Taking the above facts into consideration, a speed limit of 45 mph would be appropriate to facilitate the orderly movement of traffic in a safe and reasonable manner.

The area between Highland Avenue and a point midway between Fern Avenue and Cypress Avenue should remain posted for 35 mph. This area includes three major intersections; Highland Avenue, Palm Avenue and Cypress Avenue, that are controlled by automated traffic control signals. The observed critical speeds for this area were: 36 mph between Cypress Avenue and Palm Avenue (pace speed 28 to 38, average 32) and 38 mph between Palm Avenue and Highland Avenue (pace speed 30 to 40, average 34).

Taking the above facts into consideration, a speed limit of 35 mph would be appropriate to facilitate the orderly movement of traffic in a safe and reasonable manner.

The area between Fern Avenue and Sixth Street is currently posted for 25 mph between Fern Avenue and Sixth Street. This area meets the requirements of 22352-b-1 (business district) for a 25 mph zone. The area contains ten fast food type restaurants, six gas stations, and 22 other businesses. During 1987, there were 23 traffic accidents in the area. The observed critical speeds in the area were 32 mph at Clark Street (pace speed 22 to 32, average 26 mph) and 32 mph at Eighth Street (pace speed 26 to 36, average 28 mph).

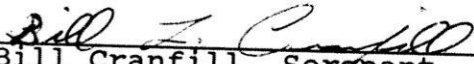
Taking the above facts into consideration, a speed limit of 25 mph would be appropriate to facilitate the orderly movement of traffic in a safe and reasonable manner.

It is recommended that the roadway be posted as follows:

1. Post 25 mph for eastbound traffic
 - a. Just east of Sixth Street
 - b. Just east of Eighth Street
 - c. Just east of Citrus Avenue

2. Post 25 mph for westbound traffic
 - a. Midway between Fern Avenue and Cypress Avenue (Posted)
 - b. Just north of Church Street
 - c. Just north of Clark Street
 - d. Just north of Citrus Avenue
 - e. Just west of Central Avenue (Remove 30 mph sign)
3. Post 35 mph for eastbound traffic
 - a. Midway between Fern and Cypress Avenue
 - b. Just south of Cypress Avenue
 - c. Just south of Palm Avenue
4. Post 35 mph for westbound traffic
 - a. Just north of Highland Avenue
 - b. Just north of Palm Avenue
5. Post 45 mph for eastbound traffic
 - a. Just south of Highland Avenue
6. Post 45 mph for westbound traffic
 - a. Just north of Ford Street

Survey prepared by:


Bill Cranfill, Sergeant
Traffic Safety Section
Redlands Police Department

Reviewed by:


James R. Bueermann, Lieutenant
Redlands Police Department

RADAR SPEED SURVEY

STREET: REDLANDS BLVD.
 DIRECTION OF TRAVEL: N/S
 DATE: 02/25/88
 WEATHER: CLEAR

LOCATION: BTWN. HIGHLAND AND FORD ST.
 EXISTING SPEED LIMIT: 45
 TIME START: 1255
 ROAD CONDITION: DRY
 TIME END: 1320
 OBSERVER: OFF. CULLEN

MPH NUMBER OF VEHICLES

MPH	NUMBER OF VEHICLES	# OF VEHS	% OF TOTAL	% CUM
30	X	1	0.6	0.6
32	XXX	3	1.7	2.2
34	XX	2	1.1	3.4
36	XXXXXXXXXXXXX	12	6.7	10.1
38	XXXXXXXXXXXXXXXXXXXXX	17	9.6	19.7
40	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	33	18.5	38.2
42	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	36	20.2	58.4
44	XXXXXXXXXXXXXXXXXXXXX	18	10.1	68.5
46	XXXXXXXXXXXXX	14	7.9	76.4
48	XXXXXXXXXXXXXXXXXXXXX	16	9.0	85.4
50	XXXXXXXXXXXXX	15	8.4	93.8
52	XXXXX	5	2.8	96.6
54	XXX	3	1.7	98.3
56	XX	2	1.1	99.4
58		0	0.0	99.4
60	X	1	0.6	100.0

TOTAL NUMBER OF VEHS: 178
 CRITICAL SPEED (85%): 48 MPH
 PACE SPEED: 38 TO 48 MPH
 AVERAGE SPEED: 42 MPH
 MEDIAN SPEED: 45 MPH

CERTIFICATION:

 LT. BUEERMANN
 4-26-88
 DATE

RADAR SPEED SURVEY

STREET: REDLANDS BLVD.
 DIRECTION OF TRAVEL: N/S
 DATE: 02/25/88
 WEATHER: CLEAR

LOCATION: BTWN. PALM AND HIGHLAND AVE.
 EXISTING SPEED LIMIT: 35
 TIME START: 1321
 ROAD CONDITION: DRY
 TIME END: 1336
 OBSERVER: OFF. CULLEN

MPH	NUMBER OF VEHICLES	# OF VEHS	% OF TOTAL	% CUM
24	XX	2	1.4	1.4
26	X	1	0.7	2.0
28	X	1	0.7	2.7
30	XXXXXXXXXXXXXXXXXXXXXXX	21	14.2	16.9
32	XXXXXXXXXXXXXXXXXXXXXXX	28	18.9	35.8
34	XXXXXXXXXXXXXXXXXXXXXXX	44	29.7	65.5
36	XXXXXXXXXXXXXXXXXXXXXXX	24	16.2	81.8
38	XXXXXXXXXXXXXXX	15	10.1	91.9
40	XXXXX	5	3.4	95.3
42	XXX	3	2.0	97.3
44	XXXX	4	2.7	100.0

TOTAL NUMBER OF VEHS: 148
 CRITICAL SPEED (85%): 38 MPH
 PACE SPEED: 30 TO 40 MPH
 AVERAGE SPEED: 34 MPH
 MEDIAN SPEED: 34 MPH

CERTIFICATION:

J. Bueermann
 J. BUEERMANN

4-26-88
 DATE

RADAR SPEED SURVEY

STREET: REDLANDS BLVD. LOCATION: BTWN. CYPRESS AND PALM AVE.
 DIRECTION OF TRAVEL: N/S EXISTING SPEED LIMIT: 35
 DATE: 02/25/88 TIME START: 1337 TIME END: 1357
 WEATHER: OVERCAST ROAD CONDITION: DRY OBSERVER: OFF. CULLEN

MPH	NUMBER OF VEHICLES	# OF VEHS	% OF TOTAL	% CUM
22	X	1	0.7	0.7
24	XXXXX	5	3.3	3.9
26	XXXXX	5	3.3	7.2
28	XXXXXXXXXX	9	5.9	13.2
30	XXXXXXXXXXXXXXXXXXXXXXXXXXXX	28	18.4	31.6
32	XXXXXXXXXXXXXXXXXXXXXXXXXXXX	40	26.3	57.9
34	XXXXXXXXXXXXXXXXXXXXXXXXXXXX	39	25.7	83.6
36	XXXXXXXXXXXX	13	8.6	92.1
38	XXXXX	5	3.3	95.4
40	XXXX	4	2.6	98.0
42	XXX	3	2.0	100.0

TOTAL NUMBER OF VEHS: 152
 CRITICAL SPEED (85%): 36 MPH
 PACE SPEED: 28 TO 38 MPH
 AVERAGE SPEED: 32 MPH
 MEDIAN SPEED: 32 MPH

CERTIFICATION:
 4-26-88
 LT. BUEERMANN DATE

RADAR SPEED SURVEY

STREET: REDLANDS BLVD.
 DIRECTION OF TRAVEL: N/S
 DATE: 02/25/88
 WEATHER: OVERCAST

LOCATION: CLARK ST.
 EXISTING SPEED LIMIT: 25
 TIME START: 1359
 ROAD CONDITION: DRY
 TIME END: 1425
 OBSERVER: OFF. CULLEN

MPH	NUMBER OF VEHICLES	# OF VEHS	% OF TOTAL	% CUM
16	X	1	0.6	0.6
18	XXXX	4	2.3	2.9
20	XXXXXXXXXXXXXXXXXXXX	15	8.7	11.6
22	XXXXXXXXXXXXXXXXXXXX	19	11.0	22.7
24	XXXXXXXXXXXXXXXXXXXX	20	11.6	34.3
26	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	34	19.8	54.1
28	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	33	19.2	73.3
30	XXXXXXXXXXXXXXXXXXXX	15	8.7	82.0
32	XXXXXXXXXXXXXXXXXXXX	17	9.9	91.9
34	XXXXXXXXXXXX	10	5.8	97.7
36	X	1	0.6	98.3
38	X	1	0.6	98.8
40	X	1	0.6	99.4
42		0	0.0	99.4
44	X	1	0.6	100.0

TOTAL NUMBER OF VEHS: 172
 CRITICAL SPEED (85%): 32 MPH
 PACE SPEED: 22 TO 32 MPH
 AVERAGE SPEED: 26 MPH
 MEDIAN SPEED: 30 MPH

CERTIFICATION:

J. Boermann
 LT. BOEERMANN

4-26-88

DATE

RADAR SPEED SURVEY

STREET: REDLANDS BLVD.
 DIRECTION OF TRAVEL: N/S
 DATE: 02/25/88
 WEATHER: OVERCAST

LOCATION: EIGHT ST.
 EXISTING SPEED LIMIT: 25
 TIME START: 1427
 ROAD CONDITION: DRY
 TIME END: 1445
 OBSERVER: OFF. CULLEN

MPH	NUMBER OF VEHICLES	# OF VEHS	% OF TOTAL	% CUM
20	XXX	3	2.5	2.5
22	XXXXXXXXXX	10	8.3	10.7
24	XXXXXXXXXXXXXXXXXXXX	18	14.9	25.6
26	XXXXXXXXXXXXXXXXXXXX	20	16.5	42.1
28	XXXXXXXXXXXXXXXXXXXX	21	17.4	59.5
30	XXXXXXXXXXXXXXXXXXXX	20	16.5	76.0
32	XXXXXXXXXXXX	11	9.1	85.1
34	XXXXXXXXXXXX	13	10.7	95.9
36	XXXX	4	3.3	99.2
38	X	1	0.8	100.0

TOTAL NUMBER OF VEHS: 121
 CRITICAL SPEED (85%): 32 MPH
 PACE SPEED: 26 TO 36 MPH
 AVERAGE SPEED: 28 MPH
 MEDIAN SPEED: 29 MPH

CERTIFICATION:

LT. BUERMANN 4-26-88
 DATE

ENGINEERING, TRAFFIC AND SPEED SURVEY

HIGHWAY UNDER SURVEY: Redlands Boulevard
AREA: Between Sixth Street and Ford Street
DATE OF SURVEY: July 20, 1981

RECOMMENDATIONS:

Based on the facts of the survey, it is recommended that Redlands Boulevard between Ford Street and Highland Avenue remain posted for 45 MPH. The critical speed for this area was observed to be 46 MPH with an average speed of 41 MPH. Taking the above facts into consideration, a speed limit of 45 MPH would be appropriate to facilitate the orderly movement of traffic in a safe and reasonable manner.

The area between Highland Avenue and a point midway between Fern Avenue and Cypress Avenue should remain posted for 35 MPH. This area includes three major intersections; Highland Avenue, Palm Avenue and Cypress Avenue, that are controlled by automated traffic control signals. The observed critical speeds for this area were: 36 MPH between Cypress Avenue and Palm Avenue (Pace speed 28 to 38, average 32) and 36 MPH between Palm Avenue and Highland Avenue (Pace speed 30 to 40, average 33).

Taking the above facts into consideration, a speed limit of 35 MPH would be appropriate to facilitate the orderly movement of traffic in a safe and reasonable manner.

The area between Fern Avenue and Sixth Street is currently posted for 25 MPH between Fern and Ninth Street and 30 MPH between Ninth Street and Sixth Street. This area meets the requirements of 22352-b-1 (business district) for a 25 MPH zone. The area contains nine fast food type restaurants, four gas stations, and 22 other businesses. During 1980 there were 23 traffic accidents in the area. The observed critical speeds in the area were 26 MPH at Clark Street (Pace speed 20 to 30, average 24 MPH) and 28 MPH at Eighth Street (Pace speed 22 to 32, average 25 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.

It is recommended that the roadway be posted as follows:

1. Post 25 MPH signs for east bound traffic
 - a) Just east of Sixth Street
 - b) Just east of Ninth Street
 - c) Just east of Citrus Avenue

2. Post 25 MPH signs for west bound traffic
 - a) Midway between Fern Avenue and Cypress Avenue (Posted)
 - b) Just north of Church Street
 - c) Just north of Clark Street
 - d) Just north of Citrus Avenue
 - e) Just west of Central Avenue (Remove 30 MPH sign)
3. Post 35 MPH signs for east bound traffic
 - a) Midway between Fern and Cypress Avenue
 - b) Just south of Cypress Avenue
 - c) Just south of Palm Avenue
4. Post 35 MPH signs for west bound traffic
 - a) Just north of Highland Avenue
 - b) Just north of Palm Avenue
5. Post 45 MPH signs for east bound traffic
 - a) Just south of Highland Avenue
6. Post 45 MPH signs for west bound traffic
 - a) Just north of Ford Street



Cletus F. Hyman Sergeant
Traffic Safety

SURVEY REVIEWED BY:



D. C. Poe, Captain
Redlands Police Department

ENGINEERING, TRAFFIC AND SPEED SURVEY

HIGHWAY UNDER SURVEY: Alabama Street
AREA OF: Between Lugonia Avenue and Citrus Avenue
DATE OF SURVEY: August 3, 1981

RECOMMENDATIONS

Based on the facts of this survey, it is recommended that Alabama Street between Lugonia Avenue and a point midway between Redlands Boulevard and Park Avenue be posted for 30 MPH. The area meets the requirements of 22352b-1 (business district) for a 25 MPH speed limit. There are six intersections in this area with three being controlled by automated traffic control signals. Two additional intersections (IS 10 on-ramps and off-ramps) are being equipped with automatic traffic control signals. Alabama Street is offset 21 feet at Redlands Boulevard. This offset was checked with a ball bank indicator and the maximum speed for safe driving is 30 MPH. The observed critical speeds in the area were:

34 MPH between Lugonia and IS 10	(Average 30	Pace 26-36)
24 MPH between Industrial Park and Redlands Boulevard	(Average 24	Pace 20-30)
32 MPH between Redlands Boulevard and Park Avenue	(Average 26	Pace 22-32)

During 1980 there were twenty-two (22) traffic collisions in this area.

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 a point midway between Redlands Boulevard and Park Avenue and Citrus Avenue should be posted 45 MPH. The area includes two intersections, both of which are controlled by stop signs for traffic crossing Alabama Street. The area is mostly open area and orange groves with one small industrial complex on the east side of the roadway. The critical speed for the area was observed to be 46 MPH (Pace speed 38 to 48 -- Average speed 39 MPH)

Taking the above facts into consideration, a speed limit of 45 MPH would be appropriate to facilitate the orderly movement of traffic in a safe and reasonable manner.

It is recommended that the roadway be posted as follows:

1. Post 45 MPH for north bound traffic
 - a) Just north of Citrus Avenue.
2. Post 45 MPH for south bound traffic
 - a) Midway between Redlands Boulevard and Park Avenue
(40 yards south of K-Mart Property)
 - b) Just south of Park Avenue.
3. Post 30 MPH for north bound traffic
 - a) Midway between Park and Redlands Boulevard
(40 yards south of K-Mart Property)
 - b) Just north of Redlands Boulevard
 - c) Just north of Industrial Park Avenue
 - d) Just north of the IS 10 west bound off-ramp.
4. Post 30 MPH for south bound traffic
 - a) Just south of Lugonia Avenue
 - b) Just south of the IS 10 west bound off-ramp
 - c) Just south of Industrial Park Avenue
 - d) Just south of Redlands Boulevard

Survey prepared by:



Clete Hyman, Sergeant
Traffic Safety Bureau
Redlands Police Department

Reviewed by:



D. C. Poe, Captain
Redlands Police Department

ENGINEERING, TRAFFIC AND SPEED SURVEY

HIGHWAY UNDER SURVEY: Redlands Boulevard
AREA: Between Sixth Street and Ford Street
DATE OF SURVEY: July 20, 1981

RECOMMENDATIONS:

Based on the facts of the survey, it is recommended that Redlands Boulevard between Ford Street and Highland Avenue remain posted for 45 MPH. The critical speed for this area was observed to be 46 MPH with an average speed of 41 MPH. Taking the above facts into consideration, a speed limit of 45 MPH would be appropriate to facilitate the orderly movement of traffic in a safe and reasonable manner.

The area between Highland Avenue and a point midway between Fern Avenue and Cypress Avenue should remain posted for 35 MPH. This area includes three major intersections; Highland Avenue, Palm Avenue and Cypress Avenue, that are controlled by automated traffic control signals. The observed critical speeds for this area were: 36 MPH between Cypress Avenue and Palm Avenue (Pace speed 28 to 38, average 32) and 36 MPH between Palm Avenue and Highland Avenue (Pace speed 30 to 40, average 33).

Taking the above facts into consideration, a speed limit of 35 MPH would be appropriate to facilitate the orderly movement of traffic in a safe and reasonable manner.

The area between Fern Avenue and Sixth Street is currently posted for 25 MPH between Fern and Ninth Street and 30 MPH between Ninth Street and Sixth Street. This area meets the requirements of 22352-b-1 (business district) for a 25 MPH zone. The area contains nine fast food type restaurants, four gas stations, and 22 other businesses. During 1980 there were 23 traffic accidents in the area. The observed critical speeds in the area were 26 MPH at Clark Street (Pace speed 20 to 30, average 24 MPH) and 28 MPH at Eighth Street (Pace speed 22 to 32, average 25 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.

It is recommended that the roadway be posted as follows:

1. Post 25 MPH signs for east bound traffic
 - a) Just east of Sixth Street
 - b) Just east of Ninth Street
 - c) Just east of Citrus Avenue

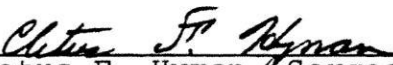
2. Post 25 MPH signs for west bound traffic
 - a) Midway between Fern Avenue and Cypress Avenue (Posted)
 - b) Just north of Church Street
 - c) Just north of Clark Street
 - d) Just north of Citrus Avenue
 - e) Just west of Central Avenue (Remove 30 MPH sign)

3. Post 35 MPH signs for east bound traffic
 - a) Midway between Fern and Cypress Avenue
 - b) Just south of Cypress Avenue
 - c) Just south of Palm Avenue

4. Post 35 MPH signs for west bound traffic
 - a) Just north of Highland Avenue
 - b) Just north of Palm Avenue

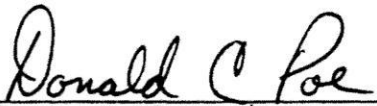
5. Post 45 MPH signs for east bound traffic
 - a) Just south of Highland Avenue

6. Post 45 MPH signs for west bound traffic
 - a) Just north of Ford Street



Cletus F. Hyman Sergeant
Traffic Safety

SURVEY REVIEWED BY:



D. C. Poe, Captain
Redlands Police Department

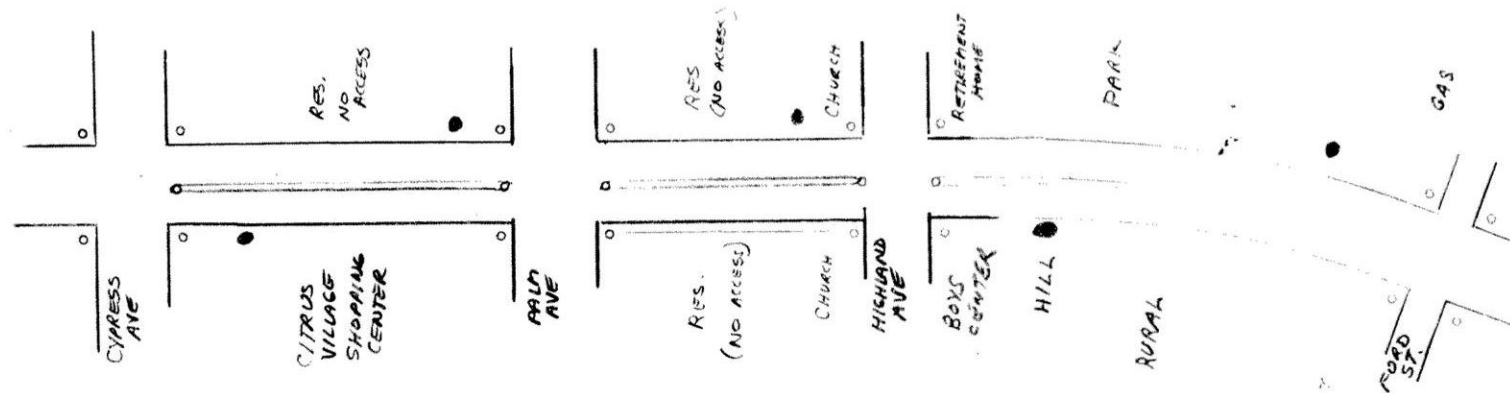
SPEED SURVEY
WORKSHEET #

REDLANDS BLVD.
HIGHWAY NAME

BETWEEN CYPRESS AV.
AND FORD ST.

DATE OF SURVEY 7-21-81

FILE NUMBER



DEVELOPMENT	COMMERCIAL & RESIDENTIAL	RESIDENTIAL	MIXED, RURAL
ROADWAY WIDTH	61'	58'	60'
NO. OF STRIPED LANES	FOUR	FOUR	FOUR
TYPE OF DIVISION STRIP	DIRT ISLAND W/PALMS	DIRT ISLAND/PALMS	DIRT ISLAND W/PALMS
TRAFFIC SIGNAL DATA	SIG. W/L TURN	SIG. W/L TURN	SIG. W/L TURN
AVERAGE DAILY TRAFFIC			
OBSERVED SPEED - CRITICAL	36	36	46
OBSERVED SPEED - PACE	28 to 38	30 to 40	38 to 38
EXISTING SIGNED ZONE			
PROPOSED SPEED LIMIT			

ACCIDENT LEGEND	19 <u>85</u>	
PROP. DAM. ONLY ☒	19 <u>86</u>	
NON-FATAL ☒		
FATAL ☒	19 <u>87</u>	

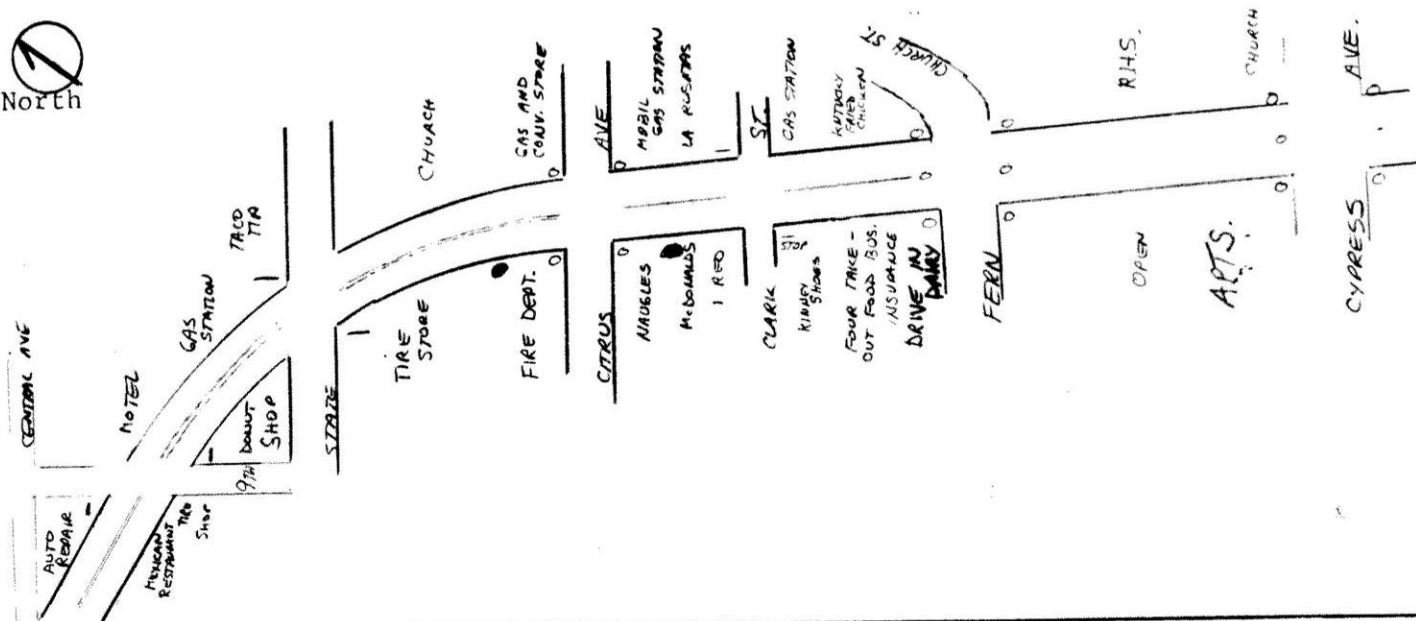
North

BETWEEN CENTRAL

AND CYPRESS

DATE OF SURVEY 7-21-81

FILE NUMBER



DEVELOPMENT	— BUSINESS DISTRICT —		OPEN	APT.
ROADWAY WIDTH	69'	63'	66'	
NO. OF STRIPED LANES	FOUR			
TYPE OF DIVISION STRIP	DOUBLE YEL PAINTED LINES		DIRT ISLAND	
TRAFFIC SIGNAL DATA	STOP SIGNS	STOP SIGNS	SIG / 3 PHASE	SIG. W/L TURN
AVERAGE DAILY TRAFFIC				
OBSERVED SPEED - CRITICAL	26			
OBSERVED SPEED - PACE	20 TO 30			
EXISTING SIGNED ZONE	25 MPH		35	
PROPOSED SPEED LIMIT	25 MPH		35	

ACCIDENT LEGEND		19 <u>85</u>	19 <u>86</u>	19 <u>87</u>
PROP. DAM. ONLY				
NON-FATAL				
FATAL				

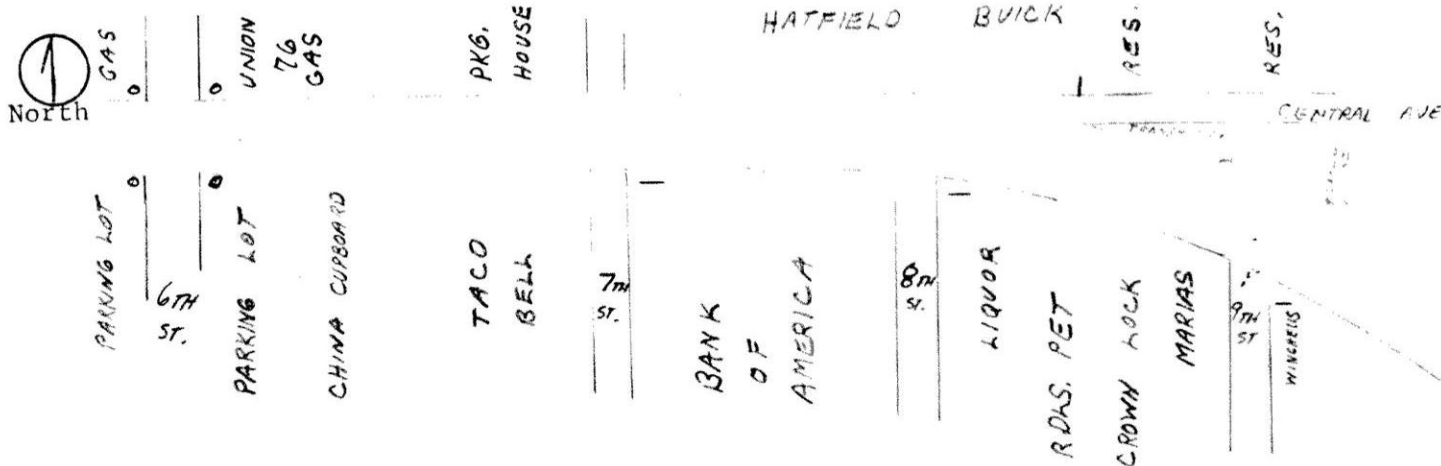
SPEED SURVEY
WORKSHEET #

REDLANDS BLVD.
HIGHWAY NAME

BETWEEN SIXTH ST.
AND NINTH ST.

DATE OF SURVEY 7-21-81

FILE NUMBER



DEVELOPMENT

ROADWAY WIDTH

NO. OF STRIPED LANES

TYPE OF DIVISION STRIP

TRAFFIC SIGNAL DATA

AVERAGE DAILY TRAFFIC

OBSERVED SPEED - CRITICAL

OBSERVED SPEED - PACE

EXISTING SIGNED ZONE

PROPOSED SPEED LIMIT

67' - BUSINESS DISTRICT - 70' 71' 73'

- FOUR -

RAISED CENTER DIVIDER

DUAL BROKEN DOUBLE Y.

SIG. W/L TURN

STOP SIGN

STOP SIGN

STOP SIGN

28

22 to 32

ACCIDENT
LEGEND

PROP. DAM. ONLY ☒

NON-FATAL ☒

FATAL ☒

1985

1986

1987

