RESOLUTION NO. 4598

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 Sections 23252(b-1) and 23252(b-2) 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:

Citrus Avenue

Date of Study:

September 15, 1989

Speed Limits as Follows:

25 miles per hour between Eureka Street and University Street.

35 miles per hour between University Street and Dearborn Street.

40 miles per hour between Dearborn Street and Wabash Avenue.

ADOPTED, SIGNED AND APPROVED this 16th day of January, 1990.

ATTEST:

Mayor of the City of Redlands

City Clerk

I, Lorrie Poyzer, City Clerk of the City of Redlands, hereby certify that the foregoing resolution was duly adopted by the City Council at a regular meeting thereof held on the 16th day of January, 1990, by the following vote:

AYES: Councilmembers Beswick, Cunningham, Larson, Milson;

Mayor DeMirjyn

NOES: None ABSENT: None

City Clerk

ENGINEERING, TRAFFIC AND SPEED SURVEY

Rus. 4598

HIGHWAY UNDER SURVEY:

Citrus Avenue

AREA OF:

Between Eureka Street and

Wabash Avenue

DATE OF SURVEY:

September 15, 1989

RECOMMENDATION:

Based on the facts of this survey, it is recommended that Citrus Avenue, between Eureka Street and University Street, remain posted as a 25 MPH zone.

The area between Eureka Street and Church Street meets the requirements of 22352(b-1), (business district), for a 25 MPH zone. The roadway width varies from 64-49 feet in the above area. This area is a central business district and parallel parking is allowed along most of the roadway. The area is also heavily travelled by both vehicular and pedestrian traffic. The observed critical speeds were 26 MPH at Eighth Street (Pace 18 to 28 MPH, average 22 MPH), and 24 MPH west of Church Street (Pace 16 to 26 MPH, average 21 MPH).

Citrus Avenue between Church Street and University Street meets the requirements of 22352(b-2), (school zone), for a 25 MPH zone. This area is heavily travelled with both vehicular and pedestrian traffic. The observed critical speed was 28 MPH (Pace 20 to 30 MPH, average 24 MPH).

Taking all the above facts into consideration, a speed limit of 25 MPH on Citrus Avenue between Eureka Street and University Street would be appropriate to facilitate the orderly movement of traffic in a safe and reasonable manner.

The area between University Street and Dearborn Street should remain posted as a 35 MPH zone. This area meets the requirements of 22352(b-), (residential district), for a 25 MPH zone. The roadway width is 63 feet and all intersections are controlled by stop signs or automatic traffic control signals. Citrus Avenue between Lincoln Street and Dearborn Street is used as a primary route to Crafton Elementary School and Moore Jr. High School. The observed critical speeds were 38 MPH at Grove Street (Pace 34 to 44 MPH, average 34 MPH), and 36 MPH at Cardinal Lane (Pace 28 to 38 MPH, average 31 MPH).

Taking all the facts into consideration, a speed limit of 35 MPH on Citrus Avenue between University Street and Dearborn Street would be appropriate to facilitate the orderly movement of traffic in a safe and reasonable manner.

The area between Dearborn Street and Wabash Avenue should remain posted for 40 MPH. This area has experienced recent residential development and a commercial development on the south east corner of Dearborn Street and Citrus Avenue. This area of Citrus Avenue is also used as a primary route to Crafton Elementary School and Moore Jr. High School. The observed critical speed was 38 MPH (Pace 32 to 42 MPH, average 34 MPH).

Taking all facts into consideration, a speed limit of 40 MPH on Citrus Avenue between Dearborn Street and Wabash Avenue would be appropriate to facilitate the orderly movement in a safe and reasonable manner.

It is recommended that the roadway be posted as follows:

- 25 MPH signs for east bound traffic
 - a) Just east of Eureka Street
 - b) Just east of Orange Street
 - c) Just east of Sixth Street
 - d) Just east of Redlands Blvd.
- 25 MPH signs for west bound traffic
 - a) Just west of University Street
 - b) Just west of Church Street
 - c) Just west of Redlands Blvd.
 - d) Just west of Orange Street
- 35 MPH signs for eastbound traffic
 - a) Just east of University Street
 - b) Just east of Cypress Avenue
 - c) Just east of Judson Street
 - d) Just east of Lincoln Street
- 35 MPH signs for west bound traffic
 - a) Just west of Dearborn Street
 - b) Just west of Lincoln Street
 - c) Just west of Judson Street
 - d) Just west of Cypress Avenue
- 40 MPH sign for east bound traffic
 - a) Just east of Dearborn
- 40 MPH sign for west bound traffic
 - a) Just west of Wabash Avenue

Bill L. Cranfill, Sergeant/Traffic Safety Section

SURVEY REVIEWED BY: TRAFFIC COMMISSION

STREET: CITRUS AVE.

LOCATION: W/OF FOURTH ST.

DIRECTION OF TRAVEL: E/W

EXISTING SPEED LIMIT: 25

TIME START: 1050 TIME END: 1114

DATE: 09/15/89 WEATHER: OVERCAST

ROAD CONDITION: DRY

OBSERVER: OFF. BRANNEN

| MPH | NUMBER OF VEHICLES | # OF VEHS | % OF TOTAL | % CUM |
|--|--|---|---|---|
| 14 16 18 20 22 24 26 28 30 32 34 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 10 16 22 30 31 48 36 22 17 7 | 4.1 6.6 9.1 12.4 12.9 19.9 14.9 9.1 7.1 2.9 0.4 | 4.1 10.8 19.9 32.4 45.2 65.1 80.1 89.2 96.3 99.6 |
| 36 | x | 1 | 0.4 | 100.0 |

TOTAL NUMBER OF VEHS: 241 CRITICAL SPEED (85%): 28 MPH

PACE SPEED: 18 TO 28 MPH AVERAGE SPEED: 23 MPH MEDIAN SPEED: 25 MPH

CERTIFICATION:

DATE SGT. CRANFILL

STREET: CITRUS AVE

LOCATION: W/OF EIGHT ST.

DIRECTION OF TRAVEL: E/W

EXISTING SPEED LIMIT: 25

DATE: 09/15/89

TIME START: 0925

TIME END: 1001

WEATHER: OVERCAST

ROAD CONDITION: DRY

OBSERVER: OFF. BRANNEN

| MPH | NUMBER OF VEHICLES | # OF VEHS | % OF TOTAL | % CUM |
|-----|---|--------------|---------------|----------|
| 14 | XXXXXX | 6 | 2.8 | 2.8 |
| 16 | XXXXXXXXXXXX | 14 | 6.5 | 9.3 |
| 18 | XXXXXXXXXXXXX | 16 | 7.5 | 16.8 |
| 20 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 38 | 17.8 | 34.6 |
| 22 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 35 | 16.4 | 50.9 |
| 24 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 51 | 23.8 | 74.8 |
| 26 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 29 | 13.6 | 88.3 |
| 28 | XXXXXXXXXXX | 13 | 6.1 | 94.4 |
| 30 | XXXXXXX | 8 | 3.7 | 98.1 |
| 32 | XX | 2 | 0.9 | 99.1 |
| 34 | X | 1 | 0.5 | 99.5 |
| 36 | X | 1 | 0.5 | 100.0 |

TOTAL NUMBER OF VEHS: 214
CRITICAL SPEED (85%): 26 MPH
PACE SPEED: 18 TO 28 MPH
AVERAGE SPEED: 22 MPH
MEDIAN SPEED: 25 MPH

CERTIFICATION:

SGT. CRANFILL DATE

STREET: CITRUS AVE.

DIRECTION OF TRAVEL: E/W

DATE: 09/15/89 WEATHER: OVERCAST

42 X

LOCATION: W/OF CENTRAL AVE.

EXISTING SPEED LIMIT: 25

TIME START: 1001 TIME END: 1029 ROAD CONDITION: DRY

OBSERVER: OFF. BRANNEN

| 14 XXXX 5 1.8 16 XXXXX 12 4.3 18 XXXXXXXXXXXX 50 18.1 2 | % CUM |
|---|---|
| 22 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 1.4 3.2 7.6 25.6 43.0 60.6 76.2 85.2 91.7 95.7 97.5 98.6 98.9 99.6 |

TOTAL NUMBER OF VEHS: 277 CRITICAL SPEED (85%): 28 MPH PACE SPEED: 20 TO 30 MPH AVERAGE SPEED: 24 MPH MEDIAN SPEED: 28 MPH

CERTIFICATION:

DATE SGT.CRANFILL

STREET: CITRUS AVE.

LOCATION: W/OF CHURCH ST.

DIRECTION OF TRAVEL: E/W

EXISTING SPEED LIMIT: 25

DATE: 09/15/89

TIME START: 1029 TIME END: 1050

WEATHER: OVERCAST

ROAD CONDITION: DRY

OBSERVER: OFF. BRANNEN

| MPH | NUMBER OF VEHICLES | # OF VEHS | % OF TOTAL | % CUM |
|-----|---|--------------|---------------|----------|
| 14 | XXXXXXXXXXX | 13 | 6.1 | 6.1 |
| 16 | XXXXXXXXXXXXXXX | 18 | 8.4 | 14.5 |
| 18 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 29 | 13.6 | 28.0 |
| 20 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 48 | 22.4 | 50.5 |
| 22 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 44 | 20.6 | 71.0 |
| 24 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 33 | 15.4 | 86.4 |
| 26 | XXXXXXXXXXXX | 15 | 7.0 | 93.5 |
| 28 | XXXXXX | 6 | 2.8 | 96.3 |
| 30 | XXXXXX | 6 | 2.8 | 99.1 |
| 32 | | 0 | 0.0 | 99.1 |
| 34 | X | 1 | 0.5 | 99.5 |
| 36 | X | 1 | 0.5 | 100.0 |

TOTAL NUMBER OF VEHS: 214 CRITICAL SPEED (85%): 24 MPH

PACE SPEED: 16 TO 26 MPH AVERAGE SPEED: 21 MPH MEDIAN SPEED: 25 MPH

CERTIFICATION:

SGT. CRANFILL DATE

STREET: CITRUS AVE.

LOCATION: GROVE ST.

DIRECTION OF TRAVEL: E/W

EXISTING SPEED LIMIT: 35

DATE: 09/15/89

TIME START: 0930

TIME END: 1000

WEATHER: OVERCAST

ROAD CONDITION: DRY

OBSERVER: OFF. CULLEN

| MPH NUMBER OF VEHICLES | # OF | % OF | % |
|--|------|-------|------|
| | VEHS | TOTAL | CUM |
| 22 XX 24 X 26 XXX 28 XXXXXXXXXX 30 XXXXXXXXXXXXXXXXXXXXXX 31 XXXXXXXXXXXXX | 2 | 1.1 | 1.1 |
| | 1 | 0.5 | 1.6 |
| | 3 | 1.6 | 3.2 |
| | 10 | 5.4 | 8.6 |
| | 29 | 15.7 | 24.3 |
| | 39 | 21.1 | 45.4 |
| | 21 | 11.4 | 56.8 |
| | 35 | 18.9 | 75.7 |
| | 24 | 13.0 | 88.6 |
| | 13 | 7.0 | 95.7 |
| | 4 | 2.2 | 97.8 |
| | 2 | 1.1 | 98.9 |

TOTAL NUMBER OF VEHS: 185 CRITICAL SPEED (85%): 38 MPH

PACE SPEED: 34 TO 44 MPH AVERAGE SPEED: 34 MPH MEDIAN SPEED: 34 MPH

CERTIFICATION:

SGT. CRANFILL DATE

STREET: CITRUS AVE

LOCATION: PALM AVE.

DIRECTION OF TRAVEL: E/W

EXISTING SPEED LIMIT: 35

DATE: 09/15/89

TIME START: 1000

TIME END: 1030

WEATHER: OVERCAST

ROAD CONDITION: DRY

OBSERVER: OFF. CULLEN

| CUM |
|--------------|
| 2.4 13.9 |
| 31.5 |
| 45.5 62.4 |
| 81.8 |
| 97.0 |
| 98.8 |
| |

TOTAL NUMBER OF VEHS: 165 CRITICAL SPEED (85%): 38 MPH

PACE SPEED: 28 TO 38 MPH AVERAGE SPEED: 33 MPH MEDIAN SPEED: 35 MPH

CERTIFICATION:

SGT. CRANFILL DATE

STREET: CITRUS AVE.

LOCATION: CARDINAL LN.

DIRECTION OF TRAVEL: E/W

EXISTING SPEED LIMIT: 35

DATE: 09/15/89 TIME START: 1030 TIME END: 1100

WEATHER: OVERCAST

ROAD CONDITION: DRY

OBSERVER: OFF. CULLEN

| мрн | NUMBER OF VEHICLES | # OF VEHS | % OF TOTAL | % CUM |
|----------|---|--------------|---------------|--------------|
| 20 22 | XXXXXX | 6 0 √ | 3.4 | 3.4 |
| 24 26 | XXX | 3 11 | 1.7 6.3 | 5.1 |
| 28 30 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 24 38 | 13.6 21.6 | 25.0 46.6 |
| 32 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 37 27 | 21.0 15.3 | 67.6 83.0 |
| 34 36 | XXXXXXXXXXXXX | 15 10 | 8.5 5.7 | 91.5 97.2 |
| 38 40 | XXXXXXXXX | 3 2 | 1.7 | 98.9 |
| 12 | YY | 2 | | |

TOTAL NUMBER OF VEHS: 176 CRITICAL SPEED (85%): 36 MPH PACE SPEED: 28 TO 38 MPH AVERAGE SPEED: 31 MPH MEDIAN SPEED: 31 MPH

CERTIFICATION:

SGT. CRANFILL

DATE

STREET: CITRUS AVE.

LOCATION: FERNDALE CT.

DIRECTION OF TRAVEL: E/W

EXISTING SPEED LIMIT: 40

DATE: 09/15/89

TIME START: 1100

TIME END: 1132

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 | XXX | 3 | 2.2 | 3.0 |
| 26 | X | 1 | 0.7 | 3.7 |
| 28 | XXXXXXX | 8 | 6.0 | 9.7 |
| 30 | XXXXXXX | 8 | 6.0 | 15.7 |
| 32 | XXXXXXXXXXXXXXXXXXXX | 22 | 16.4 | 32.1 |
| 34 | XXXXXXXXXXXXXXXXXXXXX | 23 | 17.2 | 49.3 |
| 36 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | 27 | 20.1 | 69.4 |
| 38 | XXXXXXXXXXXXXXXXXXXX | 22 | 16.4 | 85.8 |
| 40 | XXXXXXXXXX | 12 | 9.0 | 94.8 |
| 42 | XXXXX | 5 | 3.7 | 98.5 |
| 44 | X | 1 | 0.7 | 99.3 |
| 46 | | 0 | 0.0 | 99.3 |
| 48 | X | 1 | 0.7 | 100.0 |

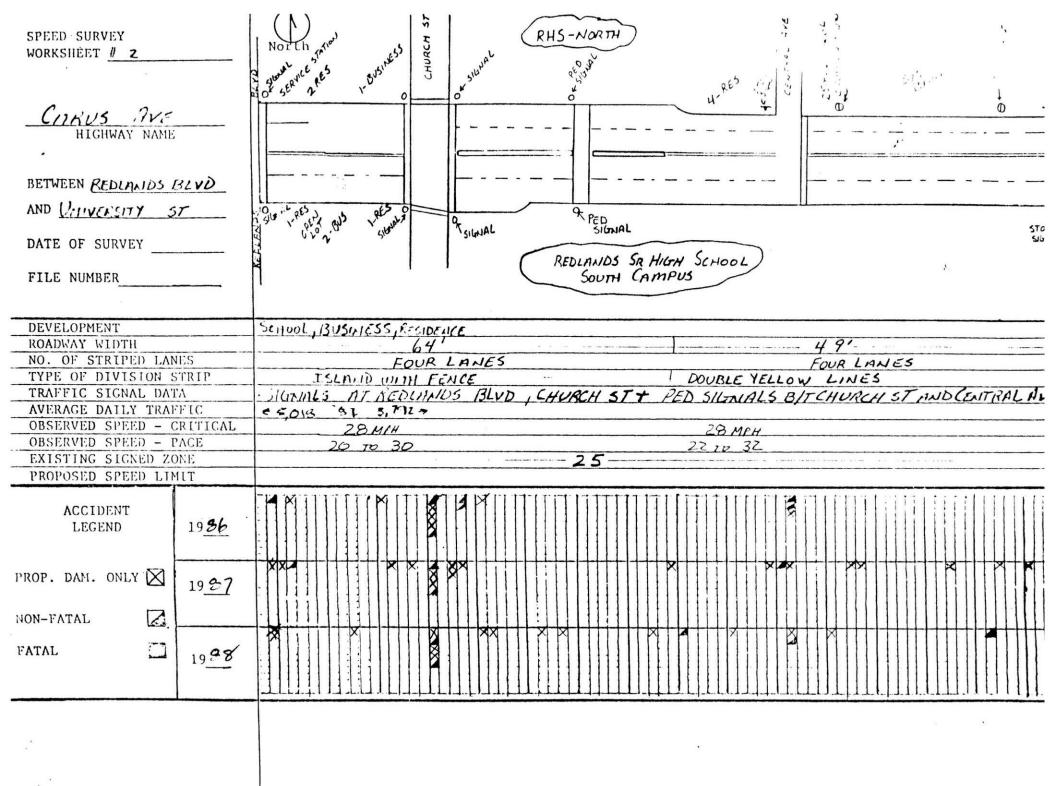
TOTAL NUMBER OF VEHS: 134 CRITICAL SPEED (85%): 38 MPH PACE SPEED: 32 TO 42 MPH AVERAGE SPEED: 34 MPH MEDIAN SPEED: 35 MPH

CERTIFICATION:

SGT. CRANFILL

DATE

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