



City of Redding
Public Works Department
Traffic Operations

Engineering and Traffic Survey of Airpark Drive

Survey Date: 9/20/2018
7-year Expiration: 9/20/2025

For the determination of safe and reasonable speed zoning as required by Sections 22358 and 40802 of the California Vehicle Code (CVC), as defined by Section 627 of the CVC and in accordance with Section 2B.13 of the California Manual on Uniform Traffic Control Devices, this Engineering and Traffic Survey (E&TS) was initiated to verify or modify speed zones on Airpark Drive.

Based on the results of this E&TS and adoption of Ordinance Number (TBD) by the City Council of the City of Redding, amending Redding Municipal Code Section 11.12.010, the following speed zone(s) on Airpark Drive is / are established:

- 35 mph from Placer Street to Sonoma Street
- 35 mph from Sonoma Street to Rosaline Avenue

In accordance with Redding Municipal Code 11.08.010, appropriate signs giving notice of the above speed zoning shall be placed and the stated speed limit(s) shall be effective upon the placement of such signs.

Shelby Nadin
Shelby May Nadin, P.E.
Assistant Engineer

05/29/19
Date



Chuck Aukland
Chuck Aukland, P. E.
Director of Public Works

8/28/19
Date

ATTEST:

Pamela Mize
PAMELA MIZE, City Clerk



Airpark Drive

| | | |
|----------------------------|--------------------------------------|--|
| SPEED ZONE BOUNDARY | Placer Street to Sonoma Street | Sonoma Street to Rosaline Avenue |
|----------------------------|--------------------------------------|--|

ROADSIDE CONDITIONS

| | | |
|-------------------------|----------|----------|
| Land Use District | Business | Business |
| Pedestrian Use | Numerous | Few |
| Percent Sidewalks | 70% | 70% |
| Bike Lane or Bike Route | No | No |
| Driveways Present | Several | Several |

ROADWAY GEOMETRY

| | | |
|----------------------------|----------------------|----------------------|
| Roadway Segment Length, Ft | 1,950 | 2,700 |
| Number of Thru Lanes | 2 (1 NB, 1 SB) | 2 (1 EB, 1 WB) |
| Width, Ft | 40' | 40' |
| Median Type | Double Yellow Stripe | Double Yellow Stripe |
| Horizontal Alignment | Gradual Curves | Gradual Curves |
| Vertical Alignment | Flat | Flat |

TRAFFIC CONDITIONS

| | | |
|--------------------------------|--------------|---------------|
| Average Daily Traffic (ADT) | 3,919 | 2,697 |
| Collisions in the Last 2 Years | 0 | 1 |
| Collision Rate | 0 Coll/MV | 0.99 Coll/MVM |
| City-Wide Average Rate | 1.64 Coll/MV | 1.86 Coll/MVM |
| 10 mph Pace Range, mph | 31 - 41 | 32 - 42 |
| Vehicles Within Pace, % | 77% | 77% |
| Median Speed (50%), mph | 36 | 36 |
| Existing Posted Speed, mph | 35 | 35 |
| Prevailing Speed (85%), mph | 40 | 39 |
| Nearest 5-mph Increment, mph | 40 | 40 |

5-MPH REDUCTION OPTION
per CA-MUTCD 2B.13 Option 1

Conditions that justify a 5-mph reduction below the nearest 5-mph increment of the prevailing speed:

| | | |
|------------------------------------|-----|-----|
| Traffic Safety | - | - |
| Safety of Pedestrians | Yes | Yes |
| Safety of Cyclists | - | - |
| Residential Density | - | - |
| 5-mph Reduction Recommended | Yes | Yes |

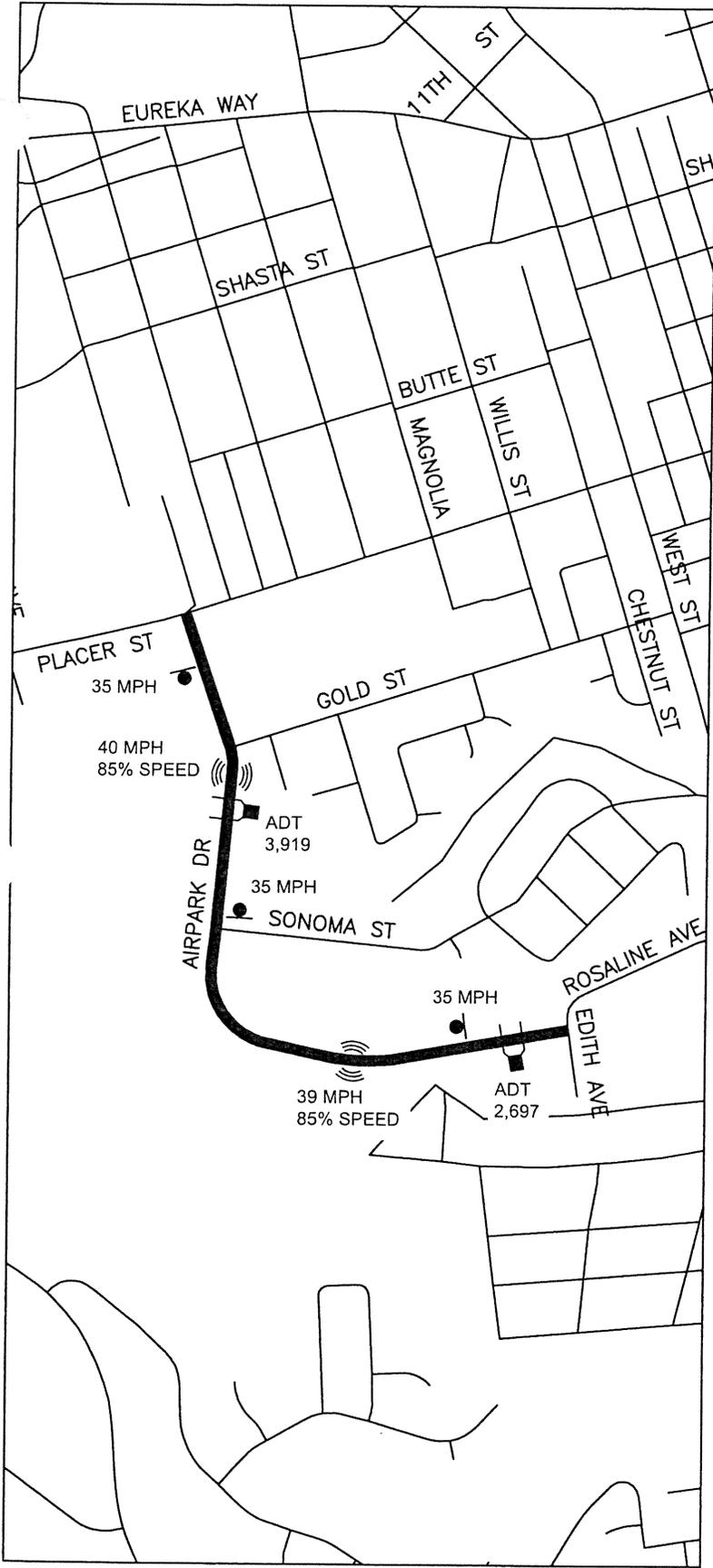
ROUNDING DOWN OPTION
per CVC 21400 (b)

Where the nearest 5 mph increment would require rounding *up* from the prevailing speed, the posted speed limit may be rounded *down* from the prevailing speed, with no further reduction for any reason.

| | | |
|---------------------------|----|----|
| Rounding Down Recommended | No | No |
|---------------------------|----|----|

RECOMMENDATION

| | | |
|-------------------------|---------------|---------------|
| POST SPEED LIMIT | 35 mph | 35 mph |
|-------------------------|---------------|---------------|



LEGEND

-  SPEED LIMIT SIGN
-  RADAR LOCATION
-  TUBE LOCATION
-  35 MPH SPEED LIMIT ZONE

CITY OF REDDING PUBLIC WORKS DEPARTMENT

AIRPARK DRIVE
ENGINEERING & TRAFFIC SURVEY
 Placer St to Rosaline Ave

