# CITY OF REDDING
# ENGINEERING AND TRAFFIC SURVEY
# OF
# ARGYLE ROAD

**JULY 31, 2007**

**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 (ETS) was initiated to verify or modify speed zones on Argyle Road.**

**Based on the results of this ETS (attached) and adoption of Ordinance Number 2465 by the City Council of the City of Redding, amending Redding Municipal Code Section 11.12.010, a speed zone on Argyle Road of 45 MPH from Hartnell Avenue to Airport Road is established.**

**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.**

3/26/2012

**Brian Crane, P. E.**
**Director of Public Works**

ATTEST:

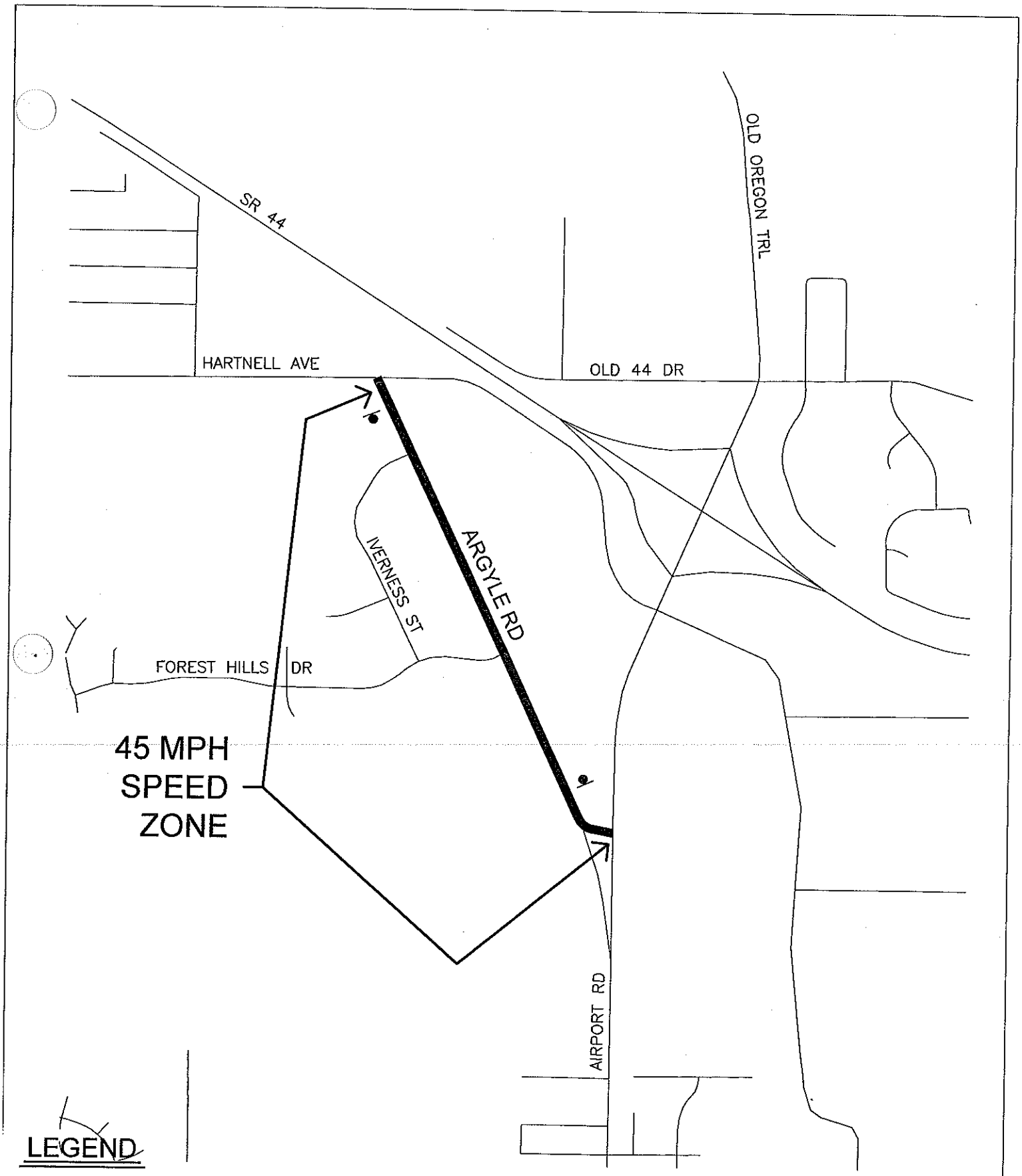
3/26/12

PAMELA MIZE, City Clerk

# ARGYLE RD
# JULY 2007
# CONDITION SUMMARY

| | | | |
|---|---|---|---|
| FROM<br>LOCATION<br>TO | HARTNELL<br><br>AIRPORT | | |
| NO. OF LANES | 2 | | |
| WIDTH, FT.<br>ROADWAY<br>LENGTH, FT. | 32<br><br>4050 | | |
| HORIZONTAL<br>ALIGNMENT<br>VERTICAL | STRAIGHT<br><br>FLAT | | |
| DISTRICT | RESIDENTIAL | | |
| ADT | 2,438 | | |
| PEDESTRIANS | FEW | | |
| SIDEWALKS | NONE | | |
| BIKE LANE/ROUTE | BIKE ROUTE | | |
| DRIVEWAYS | FEW | | |
| SPEED RELATED<br>COLLISIONS | 1 IN 2 YRS<br>NOT SIGNIFICANT | | |
| EXISTING SPEED<br>ZONING, MPH | 50 | | |
| 10 MPH PACE RANGE | 40 -50 | | |
| 85TH% SPEED | 50 | | |
| **SURVEY CONCLUSION** | | | |
| REASONABLE<br>SPEED, MPH | 45 | | |
| **ACTION** | | | |
| PUBLIC WORKS<br>APPROVED | RMC 11.08.010 | | |
| SPEED<br>POSTED | 45<br>10/18/07 | | |

ADDITIONAL
COMMENTS:




CITY OF REDDING MUNICIPAL UTILITIES TRAFFIC OPERATIONS

# ARGYLE RD SPEED STUDY

## HARTNELL AVE TO AIRPORT RD

REDDING MUNICIPAL UTILITIES

JULT 2007

CITY OF REDDING *SPEED SURVEY CALCULATION SHEET*

# ARGYLE RD N/ FOREST HILLS DR

Observer: Frank Hogue  Calcs: Frank Hogue

Posted Speed: None  Day: Monday
Weather: Sunny & Dry  Date: 7/23/07
Time: 10:18 - 11:312

| Southbound | | Northbound | |
|---|---|---|---|
| Critical Speed : | 49 mph | Critical Speed : | 51 mph |
| Average Speed : | 45.2 mph | Average Speed : | 45.4 mph |
| Median Speed : | 45 mph | Median Speed : | 45 mph |
| Standard Deviation: | 4.3 mph | Standard Deviation: | 5.5 mph |
| Pace Range : | 41 - 51 mph | Pace Range : | 40 - 50 mph |
| Percent in Pace : | 76.5% | Percent in Pace : | 66.1% |
| Total # Vehicles : | 51 | Total # Vehicles : | 56 |

| MPH | # of Veh. | Southbound | % | MPH | No of Veh. | Northbound | % |
|---|---|---|---|---|---|---|---|
| 85 | | | 100.0% | 85 | | | 100.0% |
| 84 | | | 100.0% | 84 | | | 100.0% |
| 83 | | | 100.0% | 83 | | | 100.0% |
| 82 | | | 100.0% | 82 | | | 100.0% |
| 81 | | | 100.0% | 81 | | | 100.0% |
| **80** | | | 100.0% | **80** | | | 100.0% |
| 79 | | | 100.0% | 79 | | | 100.0% |
| 78 | | | 100.0% | 78 | | | 100.0% |
| 77 | | | 100.0% | 77 | | | 100.0% |
| 76 | | | 100.0% | 76 | | | 100.0% |
| 75 | | | 100.0% | 75 | | | 100.0% |
| 74 | | | 100.0% | 74 | | | 100.0% |
| 73 | | | 100.0% | 73 | | | 100.0% |
| 72 | | | 100.0% | 72 | | | 100.0% |
| 71 | | | 100.0% | 71 | | | 100.0% |
| **70** | | | 100.0% | **70** | | | 100.0% |
| 69 | | | 100.0% | 69 | | | 100.0% |
| 68 | | | 100.0% | 68 | | | 100.0% |
| 67 | | | 100.0% | 67 | | | 100.0% |
| 66 | | | 100.0% | 66 | | | 100.0% |
| 65 | | | 100.0% | 65 | | | 100.0% |
| 64 | | | 100.0% | 64 | | | 100.0% |
| 63 | | | 100.0% | 63 | | | 100.0% |
| 62 | | | 100.0% | 62 | | | 100.0% |
| 61 | | | 100.0% | 61 | | | 100.0% |
| **60** | | | 100.0% | **60** | | | 100.0% |
| 59 | | | 100.0% | 59 | | | 100.0% |
| 58 | | | 100.0% | 58 | 1 | ◆ | 100.0% |
| 57 | | | 100.0% | 57 | 1 | ◆ | 98.2% |
| 56 | | | 100.0% | 56 | 1 | ◆ | 96.4% |
| 55 | 1 | ◆ | 100.0% | 55 | 1 | ◆ | 94.6% |
| 54 | 1 | ◆ | 98.0% | 54 | 1 | ◆ | 92.9% |
| 53 | | | 96.1% | 53 | 2 | ◆◆ | 91.1% |
| 52 | 1 | ◆ | 96.1% | 52 | 1 | ◆ | 87.5% |
| 51 | 1 | ◆ | 94.1% | 51 | 3 | ◆◆◆ | 85.7% |
| **50** | 3 | ◆◆◆ | 92.2% | **50** | 2 | ◆◆ | 80.4% |
| 49 | 6 | ◆◆◆◆◆◆ | 86.3% | 49 | 3 | ◆◆◆ | 76.8% |
| 48 | 4 | ◆◆◆◆ | 74.5% | 48 | | | 71.4% |
| 47 | 4 | ◆◆◆◆ | 66.7% | 47 | 6 | ◆◆◆◆◆◆ | 71.4% |
| 46 | 4 | ◆◆◆◆ | 58.8% | 46 | 3 | ◆◆◆ | 60.7% |
| 45 | 2 | ◆◆ | 51.0% | 45 | 4 | ◆◆◆◆ | 55.4% |
| 44 | 6 | ◆◆◆◆◆◆ | 47.1% | 44 | 2 | ◆◆ | 48.2% |
| 43 | 5 | ◆◆◆◆◆ | 35.3% | 43 | 8 | ◆◆◆◆◆◆◆◆ | 44.6% |
| 42 | 3 | ◆◆◆ | 25.5% | 42 | 2 | ◆◆ | 30.4% |
| 41 | 2 | ◆◆ | 19.6% | 41 | 5 | ◆◆◆◆◆ | 26.8% |
| **40** | 3 | ◆◆◆ | 15.7% | **40** | 4 | ◆◆◆◆ | 17.9% |
| 39 | 2 | ◆◆ | 9.8% | 39 | 1 | ◆ | 10.7% |
| 38 | 1 | ◆ | 5.9% | 38 | 2 | ◆◆ | 8.9% |
| 37 | 1 | ◆ | 3.9% | 37 | 1 | ◆ | 5.4% |
| 36 | | | 2.0% | 36 | 1 | ◆ | 3.6% |
| 35 | 1 | ◆ | 2.0% | 35 | | | 1.8% |
| 34 | | | 0.0% | 34 | | | 1.8% |
| 33 | | | 0.0% | 33 | 1 | ◆ | 1.8% |
| 32 | | | 0.0% | 32 | | | 0.0% |
| 31 | | | 0.0% | 31 | | | 0.0% |
| **30** | | | 0.0% | **30** | | | 0.0% |
| 29 | | | 0.0% | 29 | | | 0.0% |
| 28 | | | 0.0% | 28 | | | 0.0% |
| 27 | | | 0.0% | 27 | | | 0.0% |
| 26 | | | 0.0% | 26 | | | 0.0% |
| 25 | | | 0.0% | 25 | | | 0.0% |
| 24 | | | 0.0% | 24 | | | 0.0% |
| 23 | | | 0.0% | 23 | | | 0.0% |
| 22 | | | 0.0% | 22 | | | 0.0% |
| 21 | | | 0.0% | 21 | | | 0.0% |
| **20** | | | 0.0% | **20** | | | 0.0% |