



CITYWIDE ENGINEERING & TRAFFIC SURVEY

Public Works Committee Meeting

January 14, 2025

Robert Dalquest, Development Services Director

Alan French, Principal Engineer

George Dore, Contract Traffic Engineer

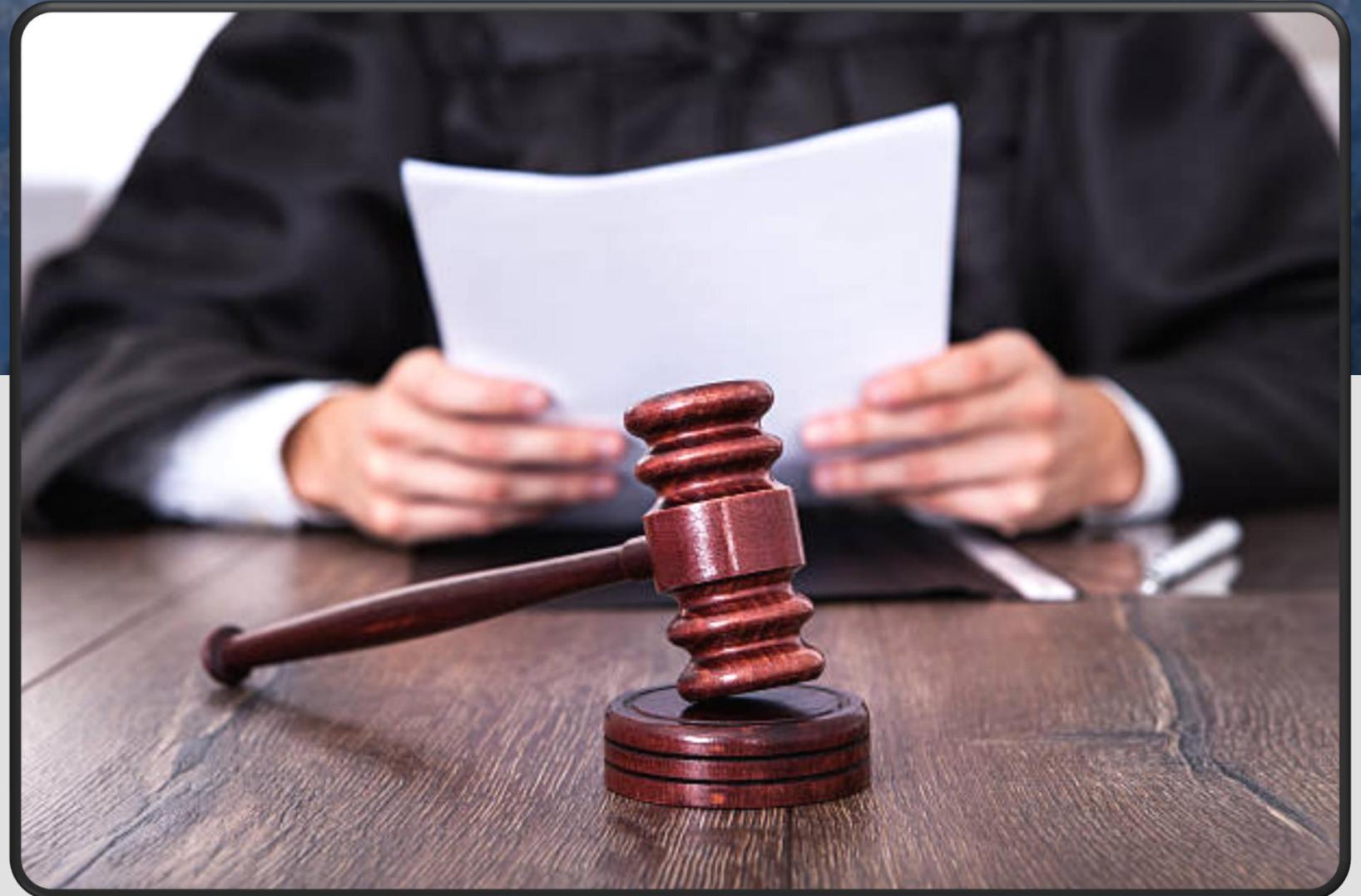
Harry Parr, Assistant Engineer

RELEVANT LEGISLATION

- *“Speed zones (other than statutory speed limits) shall only be established on the basis of an engineering and traffic survey (E&TS) that has been performed in accordance with traffic engineering practices.”* CA-MUTCD, 2B.13
- *“An engineering and traffic survey shall include...consideration of all of the following:*
 - *Prevailing speeds as determined by traffic engineering measurements.*
 - *Accident records.*
 - *Highway, traffic, and roadside conditions not readily apparent to the driver.”* CVC 627
- *“States and local agencies should conduct engineering studies at least once every 5, 7, or 10 years”*
CA-MUTCD, 2B.13

WHY?

- Current engineering speed surveys allow the Police to enforce speed limits and support traffic citations when challenged in court.



SPEED SAMPLING

City of Upland Radar Speed Survey

Speed	EB	WB	MPH	Vehicles Surveyed		TOT.
				Eastbound	Westbound	
65	0	0	65			0
64	0	0	64			0
63	0	0	63			0
62	0	0	62			0
61	0	0	61			0
60	0	0	60			0
59	0	0	59			0
58	0	0	58			0
57	0	0	57			0
56	0	0	56			0
55	0	0	55			0
54	0	0	54			0
53	0	0	53			0
52	0	0	52			0
51	0	0	51			0
50	0	0	50			0
49	0	0	49			0
48	0	0	48			0
47	0	0	47			0
46	0	0	46			0
45	1	0	45	X		1
44	1	0	44	X		1
43	0	0	43			0
42	2	0	42	X X		2
41	1	1	41	X	X	2
40	0	0	40			0
39	0	1	39		X	1
38	3	3	38	X X X	X X X	6
37	3	4	37	X X X	X X X X	7
36	3	4	36	X X X	X X X X	7
35	6	8	35	X X X X X X	X X X X X X X X	14
34	7	5	34	X X X X X X X	X X X X X	12
33	5	5	33	X X X X X	X X X X X	10
32	8	4	32	X X X X X X X X	X X X X	12
31	5	7	31	X X X X X	X X X X X X X	12
30	2	5	30	X X	X X X X X	7
29	2	0	29	X X		2
28	1	1	28	X	X	2
27	0	2	27		X X	2
26	0	0	26			0
25	0	0	25			0
24	0	0	24			0
23	0	0	23			0
22	0	0	22			0
21	0	0	21			0
20	0	0	20			0
19	0	0	19			0
18	0	0	18			0
17	0	0	17			0
16	0	0	16			0
15	0	0	15			0
Total	50	50		GRAND TOTALS		100

Location: Arrow Highway
 Between: Euclid Avenue - Grove Avenue
 Weather: Clear
 Date: 11/10/22
 Time From: 3:05
 Time To: 3:25
 Existing Speed Limit: 35 MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	10%	2%	7%
% In Pace:	88%	92%	89%
% Under Pace:	2%	6%	4%
Average Speed:	34 MPH	34 MPH	34 MPH
Pace Speed:	29 - 38 MPH	30 - 39 MPH	29 - 38 MPH
15th Percentile / Critical Speed:	31 MPH	30 MPH	31 MPH
50th Percentile / Critical Speed:	34 MPH	34 MPH	34 MPH
85th Percentile / Critical Speed:	38 MPH	37 MPH	37 MPH



Radar Survey Conducted By:
Counts Unlimited, Inc.
 PO Box 1178
 Corona, CA 92880
 T 951-268-6268 F 951-268-6267



3-YEAR COLLISION HISTORY

- Collisions that occurred between August 2021 and August 2023 were examined for all 57 roadway segments.
- We compared this with state-wide collision data from Caltrans to determine if rates were higher than average.



CONDITIONS NOT READILY APPARENT TO DRIVERS

- Residential density
- Pedestrian and bicyclist safety
- Consistency with adjacent roadway speeds
- Roadway alignment, curves
- Vicinity to school or other activity area
- Lack of sidewalks

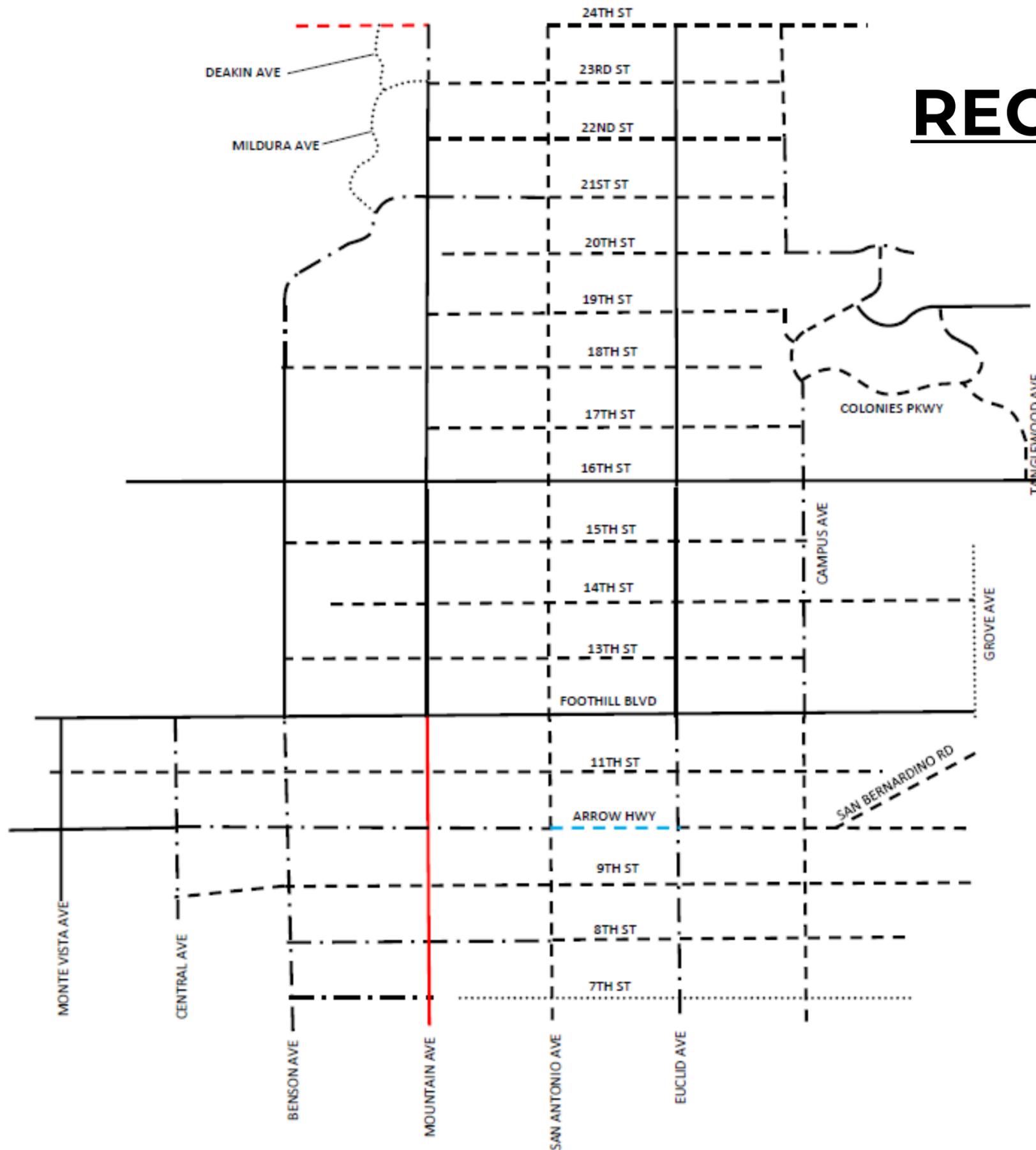


REPORT SUMMARY

UPLAND CITY HALL

- The speed limit on Arrow Hwy between San Antonio and Euclid should be reduced from 40 MPH to 35MPH.
- The speed limit on 24th St between its westerly terminus and Mountain Ave should be increased from 30 MPH to 35 MPH.
- The speed limit on Mountain Ave between Foothill Blvd and I-10 Freeway should be increased from 40 MPH to 45 MPH.
- All other streets should retain their current posted speed limits.
- These results were reviewed and accepted by the Traffic Division of Upland Police Department.

RECOMMENDED SPEED LIMITS



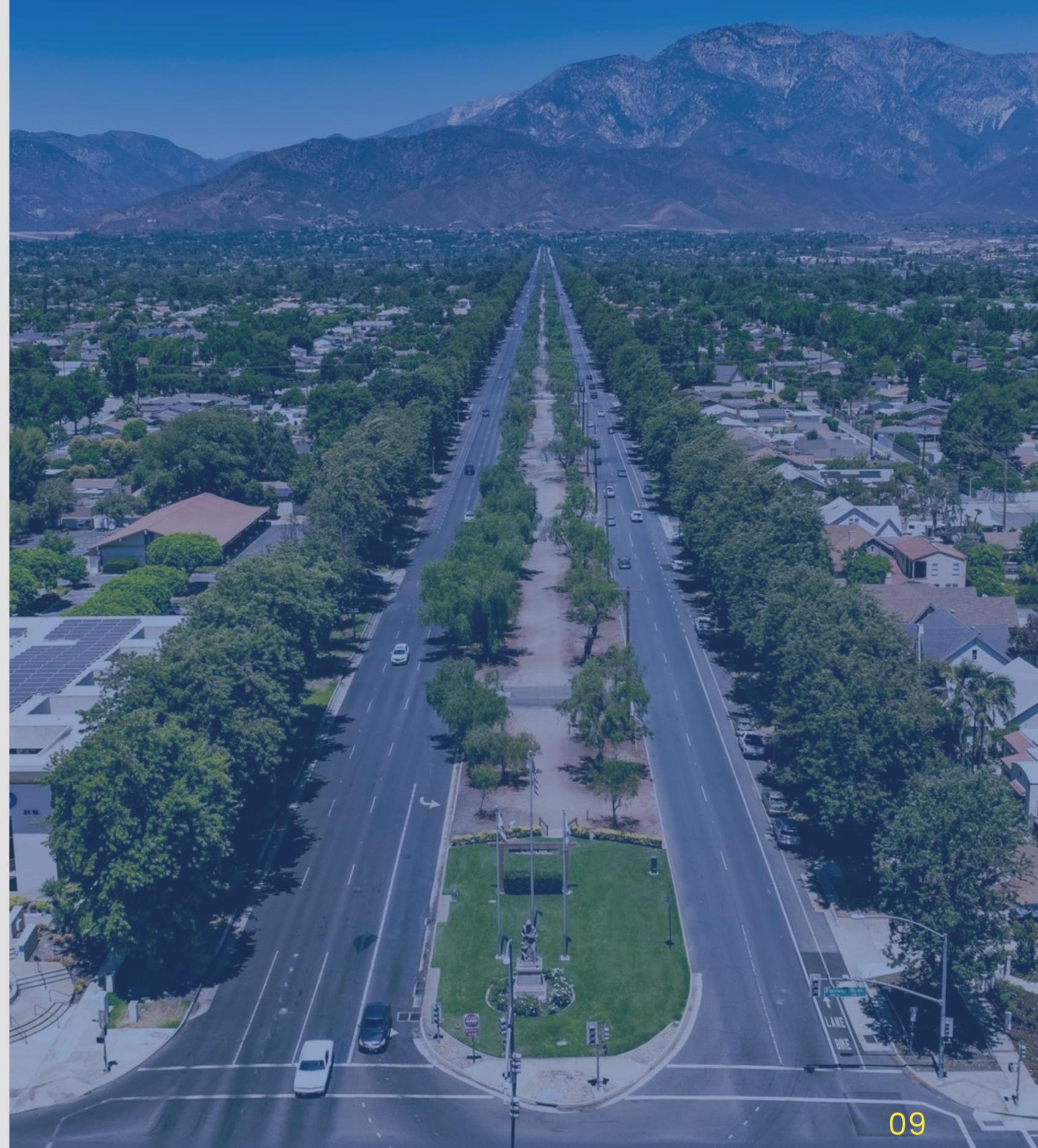
Legend:

- = 30 MPH
- = 35 MPH
- . - . - . = 40 MPH
- = 45 MPH

- (red) = INCREASE IN EXISTING SPEED LIMIT
- (blue) = DECREASE IN EXISTING SPEED LIMIT
- (black) = EXISTING SPEED LIMIT TO REMAIN

RECOMMENDATION

It is recommended that the Public Works Committee recommend the City Council to adopt a resolution establishing the recommended speed limit on 57 roadway segments within the City of Upland.





Q & A
