

Before-After Adaptive Traffic Signal Technology Collision Rate Analysis														
No.	Street Name	2022-2025 Collisions	Killed	Injury	AADT	Length (mi)	Days per Year	Years of Data	Collision Rate Before <sup>1</sup>	Collision Rate After (CMF=0.83)	Stewide Collision Rate (2023) <sup>3</sup>	Fatality Rate Before <sup>2</sup>	Fatality Rate After (CMF=0.83)	Stewide Fatality Rate (2023) <sup>4</sup>
	Project Limits													
1	California Ave	120	6	86	53245	2.01	365	3	1.02	0.85	1.61	0.051	0.042	2.62
	Oak St to Dr MLK Blvd													
2	Olive Dr	31	4	22	19986	3.46	365	3	0.41	0.34	1.24	0.053	0.044	2.62
	Coffee Rd to Renfro Rd													
3	Union Ave/Memorial Medical	59	1	46	37362	1.4	365	3	1.03	0.85	1.68	0.017	0.014	2.62
	Union Ave from 34th St to Monterey St & 34th St from Chester to Union													
4	Wilson Rd	77	1	53	14498	2.95	365	3	1.64	1.36	1.68	0.021	0.018	2.62
	Edgemont St to Chester Ave													
5	Planz Rd	58	0	44	10678	3.2	365	3	1.55	1.29	1.68	0.000	0.000	2.62
	Wilson Rd to Union Ave													
6	Downtown Grid (F St, H St, Eye, L St, & Q St)	67	1	56	53245	2.01	365	3	0.57	0.47	1.07	0.009	0.007	2.62
	F St, H St, L St, & Q St from Truxtun Ave to 21st St													
7	Southwest Adaptive Expansion	67	3	53	73200	4.31	365	3	0.19	0.16	1.31	0.009	0.007	2.62
	Gosford Rd, White Ln to Target Entrance													

<sup>1</sup> Collision Rate = 
$$\frac{\text{Number of Collisions X 1 Million}}{(\text{Segment Length}) (\text{AADT}) (\text{Years of Data}) (365 \text{ Days})}$$

<sup>2</sup> Fatality Rate= 
$$\frac{\text{Number of Fatalities X 1 Million}}{(\text{Segment Length})(\text{AADT})(\text{Years of Data})(365 \text{ Days})}$$

<sup>3</sup> Crash Data on State Highways (road miles, travel, crashes, crash rates)", 2023 Basic Average Crash Rate Table for Highways, Pg. 83

<sup>4</sup> Crash Data on State Highways (road miles, travel, crashes, crash rates)", California State Highways Statewide Travel and Crash Rates, Pg. 7