



City of Salinas

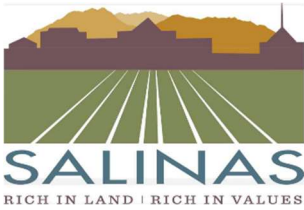
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2025 Engineering and Traffic Survey For Speed Limits Technical Report

PREPARED BY:

**City of Salinas
Public Works Department
Traffic and Transportation Division
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INTRODUCTION:

The 2025 Engineering and Traffic Surveys (E&TS) in the City of Salinas fulfills California Vehicle Code (CVC) Sections 22357 and 22358, which require local agencies to follow certain procedures established by the State of California. The E&TS are intended to serve as the basis for establishing and enforcing the speed limits for specific streets in the City. The work herein by the City Traffic and Transportation Engineering Division staff, in accordance with the California CVC Section 40802, reviews the established speed limit sections to determine whether changes in existing conditions have occurred which may require adjusting the posted speed limit.

Engineering and Traffic Surveys for speed limits are regularly conducted once every five (5) years by governing municipalities for the purpose of complying with Section 40802 of the CVC and the national Uniform Vehicle Code. E&TS may be extended to every seven (7) years if the arresting officer has completed device training and the device has been recently calibrated. E&TS may be extended every fourteen (14) years if a registered engineer evaluates the section of the highway and determines that no significant changes in roadway or surrounding land uses have occurred as specified in the CVC. An E&TS should be conducted on new roadways or where traffic conditions have changed significantly.

The California Manual on Uniform Traffic Control Devices (CA-MUTCD), as required under CVC 21400, defines standards for posting speed limits that rely upon collecting speed data in the field to determine the 85th percentile speed, which is subsequently rounded upward or downward to the nearest 5 mile per hour increment. The CA-MUTCD allows for options to further reduce the speed limit. Additionally, local authorities are allowed to further reduce speed limits to consider the safety of vulnerable pedestrians under Assembly Bill No. 43. **Table 1: Engineering and Traffic Survey Summary** summarizes the findings and recommendations for speed limits on those segments. The results of the E&TS will be valid until 2030, see Table 1 for details, unless extended through additional criteria.

METHODOLOGY:

On January 1, 2012, CVC 21400(b) became effective requiring the California, Department of Transportation (Caltrans) to revise the CA-MUTCD so that speed limits are based on field-collected speed data. A spot speed survey that typically consists of measuring vehicle speeds with an electronic device, most commonly a radar speed detector. Traffic traveling at free-flow speeds in each direction for a two-way street is collected and compiled to create a data set. The most significant data point collected is the 85th percentile speed, which is the speed at or below which 85 percent of motor vehicles travel. The 85th percentile speed is the industry standard data point which typically represents one standard deviation above the average speed and establishes the upper limit of what is considered reasonable and prudent. The reason that speed limit areas are established and posted is to guard reasonable drivers from the unreasonable behavior of a reckless or otherwise dangerous drivers. As with other laws, speed limits are established based on the consensus of the majority of those who drive a section of roadway as to what speed is reasonable and safe.

As specified in the California MUTCD Section 2B.13, the posted speed limit “shall be established at the nearest 5 mph increment of the 85th percentile speed of free-flowing traffic.” Additionally, the MUTCD allows the posted speed limit to be lowered by no more than 5 mph from a rounded speed, using one of two options that depend on whether the 85th percentile speed has been rounded down or up. The options may be applied as follows:

1. MUTCD Section 2B.13 states, “The posted speed may be reduced by 5 mph from the nearest 5-mph increment of the 85th percentile speed, in compliance with CVC Sections 627 and 22358.5.” The cited CVC Section 627 defines an E&T survey that is required to consider prevailing speeds, accident records, and conditions not readily apparent to the driver, and optionally consider residential density as well as pedestrian and bicycle

safety. According to the MUTCD, this option requires documentation of an E&T Survey that “shall document in writing the conditions and justification for the lower speed limit and be approved by a registered Civil or Traffic Engineer.” The basis for a speed limit that is more than 5 mph lower than the 85th percentile speed is something other than prevailing speeds. In regard to conditions not readily apparent to the driver, CVC 22358 states that “physical conditions such as width, curvature, grade and surface conditions, or any other condition readily apparent to a driver, in the absence of other factors, would not require special downward speed zoning.”

2. MUTCD Section 2B.13 12a also states “For cases in which the nearest 5-mph increment of the 85th percentile speed would require a rounding up, then the speed limit may be rounded down to the nearest 5-mph increment below the 85th percentile speed, if no further reduction is used.” An Option 2 round-down, which became available when CVC Section 21400(b) went into effect January 1, 2012, requires no E&T Survey to post the speed limit sign. The E&T Survey is required nevertheless, however, to allow radar or similar devices to be used for enforcement.

Neither the Vehicle Code nor the MUTCD provide much specific guidance regarding accident data or pedestrian or bicycle safety. In contrast, CVC 627(c)(1) provides specific guidance on residential density. Many residential neighborhoods in Salinas meet the density threshold of 16 separate dwelling houses or business structures per quarter mile. The statute does not apply to roads within a business district.

While the California MUTCD allows two options for lowering the posted speed, it has no provision for raising the speed limit above the nearest 5-mph increment of the 85th percentile speed.

SUMMARY OF RECOMMENDATIONS:

The results of the Engineering and Traffic Survey for nineteen (19) roadway sections are listed in **Table 1: Engineering and Traffic Survey Summary:**

ENGINEERING AND TRAFFIC SURVEYS EXPIRING 2030:

Decreased

5) Airport Boulevard between Skyway Boulevard and Hansen Street - This segment of Airport Boulevard is classified as a collector in the City of Salinas General Plan. The surrounding land use includes industrial and business use. Speed data collected on April 23, 2025, revealed the 85th percentile speed of 39 mph. The 10 mph pace ranges from 30 mph to 39 mph and suggests the 85th percentile is within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded up, the existing speed limit of 45 mph should be reduced to 40 mph.

20) Casentini Street between North Main Street and Rico Street - This segment of Casentini Street is classified as a collector in the City of Salinas General Plan. The surrounding land use includes fronting residential and commercial areas. Casentini Street was presented to the Salinas City Council on January 10, 2023, as part of the 2022 Engineering and Traffic Surveys where through Resolution No. 22555, Council rejected retaining the existing posted speed limit of 35 mph. City staff resurveyed the segment of Casentini Street on April 18, 2025, and recorded an 85th percentile speed of 36 mph. The 10 mph pace ranges from 26 mph to 35 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded down and reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 35 mph should be changed to establish 30 mph.

Unchanged

3) Abbott Street between South Sanborn Road/East Blanco Road and Harkins Road - This segment of Abbott Street is classified as a major arterial in the City of Salinas General Plan. The surrounding land use includes industrial use. Speed data collected on April 22, 2025, revealed the 85th percentile speed of 42 mph. The 10 mph pace ranges from 31 mph to 40 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded down, the existing posted speed limit of 40 mph should be retained.

27) Constitution Boulevard between Independence Boulevard and East Boronda Road - This segment of Constitution Boulevard is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes backing residential homes, retail, and park use. Speed data collected on April 8, 2025, revealed the 85th percentile speed of 46 mph. The 10 mph pace ranges from 36 mph to 45 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded down, and reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 40 mph should be retained.

45) Romie Lane between Riker Street and Abbott Street - This segment of East Romie Lane is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes residential homes, retail, office, hospital, and park use. Speed data collected on April 22, 2025, revealed the 85th percentile speed of 35 mph. The 10 mph pace ranges from 26 mph to 35 mph and suggests the 85th percentile is within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 30 mph should be retained.

47) Natividad Road between East Laurel Drive and East Bernal Drive - This segment of Natividad Road is classified as a major arterial in the City of Salinas General Plan. The surrounding land use includes fronting and backing residential homes and commercial businesses. Speed data collected on May 28, 2025, revealed the 85th percentile speed of 39 mph. The 10 mph pace ranges from 28 mph to 37 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded up, the existing posted speed limit of 40 mph should be retained.

55) Linwood Drive between East Laurel Drive and East Alvin Drive - This segment of Linwood Drive is classified as a collector in the City of Salinas General Plan. The surrounding land use includes fronting residential homes and a school. Linwood Drive was presented to the Salinas City Council on January 10, 2023, as part of the 2022 Engineering and Traffic Surveys where through Resolution No. 22555, Council rejected an increase in the existing posted speed limit from 25 mph to 30 mph. City staff resurveyed the segment of Linwood Drive on April 23, 2025, and recorded an 85th percentile speed of 34 mph. The 10 mph pace ranges from 27 mph to 36 mph and suggests the 85th percentile is within this range. Based on the surrounding land use, the 10 mph pace range, the prevailing speeds rounded up and reduced by 5 mph per

MUTCD option 2, and following the implementation of Assembly Bill No. 43, authorizing local authority to further reduce speed limits by 5-mph if the roadway is adjacent to high concentration of bicyclists and pedestrians, the existing posted speed limit of 25 mph should be established.

63) San Juan Grade Road between North Main Street and Russell Road - This segment of San Juan Grade Road is classified as a major arterial in the City of Salinas General Plan. The surrounding land use includes backing and fronting residential homes, retail, office, and agricultural use. Speed data collected on April 8, 2025, revealed the 85th percentile speed of 49 mph. The 10 mph pace ranges from 37 mph to 46 mph and suggests that the 85th percentile is above this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded up and reduced by 5 mph per MUTCD option 2, the existing posted speed limit of 45 mph should be retained.

109) Navajo Drive between Adams Street and North Main Street - This segment of Navajo Drive is classified as a collector in the City of Salinas General Plan. The surrounding land use includes fronting residential homes and retail use. Speed data collected on April 18, 2025, revealed the 85th percentile speed of 31 mph. The 10 mph pace ranges from 23 mph to 32 mph and suggests the 85th percentile is within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speed rounded down and reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 25 mph should be retained.

110) Villa Street between West Market Street and Central Avenue - This segment of Villa Street is classified as a collector street in the City of Salinas General Plan. The surrounding land use includes fronting residential homes, a park, and a school. Speed data collected on May 20, 2025, revealed the 85th percentile speed of 26 mph. The 10 mph pace ranges from 18 mph to 27 mph and suggests the 85th percentile is within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded down, the existing posted speed limit of 25 mph should be retained.

111) Maple Street between South Main Street and Abbott Street - This segment of Maple Street is classified as a collector in the City of Salinas General Plan. The surrounding land use includes fronting residential homes, parks, and a school. Speed data collected on April 23, 2025, revealed the 85th percentile speed of 26 mph. The 10 mph pace ranges from 18 mph to 27 mph and suggests the 85th percentile is within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded down, the existing posted speed limit of 25 mph should be retained.

112) Clay Street between Iverson Drive and South Main Street - This segment of Clay Street is classified as a collector in the City of Salinas General Plan. The surrounding land use includes fronting residential homes, parks, offices, and a school. Speed data collected on April 28, 2025, revealed the 85th percentile speed of 29 mph. The 10 mph pace ranges from 20 mph to 29 mph and suggests the 85th percentile is within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded up and reduced by 5 mph per MUTCD option 2, the existing posted speed limit of 25 mph should be retained.

113) Lincoln Avenue between West Market Street and Clay Street - This segment of Lincoln Avenue is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes office, residential, and commercial use. Speed data collected on May 6, 2025, revealed the 85th percentile speed of 29 mph. The 10 mph pace ranges from 20 mph to 29 mph and suggests the 85th percentile is within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded up and reduced by 5 mph per MUTCD option 2, the existing posted speed limit of 25 mph should be retained.

114) Salinas Street between West Market Street and Clay Street - This segment of Salinas Street is classified as a major arterial in the City of Salinas General Plan. The surrounding land use includes business use. Speed data collected on April 25, 2025, revealed the 85th percentile speed of 22 mph. The 10 mph pace ranges from 15 mph to 24 mph and suggests the 10 mph pace is within this range. More than 50% of the property contiguous to one side of Salinas Street is occupied by businesses, meeting the criteria of a business district as defined in Section 235 of the CVC. Section 22352 of the CVC sets the prima facie speed limit for business districts of 25 mph. Based on the surrounding land use, the 10 mph pace range, and Section 22352 of the CVC, the existing posted speed limit of 25 mph should be retained.

116) Pajaro Street between East Market Street and East Blanco Road - This segment of Pajaro Street is classified as a

minor arterial in the City of Salinas General Plan. The surrounding land use includes fronting residential homes and office use. Speed data collected on April 25, 2025, revealed the 85th percentile speed of 31 mph. The 10 mph pace ranges from 23 mph to 32 mph and suggests the 85th percentile is within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded down and reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 25 mph should be retained.

117) Hebbroon Avenue between East Market Street and John Street - This segment of Hebbroon Avenue is classified as a collector in the City of Salinas General Plan. The surrounding land use includes fronting residential homes and office areas. Speed data collected on June 4, 2025, revealed the 85th percentile speed of 28 mph. The 10 mph pace ranges from 20 mph to 29 mph and suggests the 85th percentile is within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded up and reduced by 5 mph per MUTCD option 2, the existing posted speed limit of 25 mph should be retained.

118) Tyler Street between West Laurel Drive and Iris Drive - This segment of Tyler Street is classified as a collector in the City of Salinas General Plan. The surrounding land use includes fronting residential homes. Speed data collected April 28, 2025, revealed the 85th percentile speed of 26 mph. The 10 mph pace ranges from 19 mph to 28 mph and suggests the 85th percentile speed is within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded down, the existing posted speed limit of 25 mph should be retained.

121) Los Palos Drive between San Miguel Avenue and Abbott Street - This segment of Los Palos Drive is classified as a collector in the City of Salinas General Plan. The surrounding land use includes residential homes, hospital, office, and park use. Speed data collected on April 25, 2025, revealed the 85th percentile speed of 28 mph. The 10 mph pace ranges from 17 mph to 26 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded up and reduced by 5 mph per MUTCD option 2, the existing posted speed limit of 25 mph should be retained.

129) East Rossi Street between North Main Street and Sherwood Drive - This segment of East Rossi Street is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes residential and industrial use. East Rossi Street was presented to the Salinas City Council on January 10, 2023, as part of the 2022 Engineering and Traffic Surveys where through Resolution No. 22555, Council rejected an increase in the existing posted speed limit from 25 mph to 30 mph. City staff resurveyed the segment of East Rossi Street on May 12, 2025, and recorded an 85th percentile speed of 31 mph. The 10 mph pace ranges from 24 mph to 33 mph and suggests the 85th percentile is within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded down and reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 25 mph should be established.

CONCLUSIONS:

The Engineering and Traffic Surveys contained in **Appendix A** of this report are intended to establish and justify posted speed limits that can be enforced by radar. The posted speed limits advise the motorist and enforcement agencies of speeds considered reasonable for a particular section of highway for prevailing conditions. The posted speed limits are not absolute maximums, but rather prima facie speed limits for which violations would be cited under the Basic Speed Law (Section 22350 of the CVC). CVC 22350 states that a person shall not drive a vehicle at a speed greater than is safe, having regard for traffic, roadway, and weather conditions. A prima facie limit merely suggests a safe speed under normal conditions.

Table 1: Engineering and Traffic Survey Summary

No.	Street	Segment	Existing Speed Limit (mph)	85 th -Percentile Speed (mph)			MUTCD Applied Reduction Option	Survey Expiration
				Measured	Rounded	Recommended		
3	Abbott Street	South Sanborn Road/East Blanco Road to Harkins Road	40	42	40	40	1	04/22/2030
5	Airport Boulevard	Skyway Boulevard to Hansen Street	45	39	40	40	2	04/23/2030
20	Casentini Street	North Main Street to Rico Street	35 ¹	36	35	30	1	04/18/2030
27	Constitution Boulevard	Independence Boulevard to East Boronda Road	40	46	45	40	1	04/08/2030
45	Romie Lane	Riker Street to Abbott Street	30	35	-	30	1	04/22/2030
47	Natividad Road	East Laurel Drive to East Bernal Drive	40	39	40	40	-	05/28/2030
55	Linwood Drive	East Laurel Drive to East Alvin Drive	25 ²	34	35	25	2	04/23/2030
63	San Juan Grade Road	North Main Street to Russell Road	45	49	50	45	2	04/08/2030
109	Navajo Drive	Adams Street to North Main Street	25	31	30	25	1	04/18/2030
110	Villa Street	West Market Street to Central Avenue	25	26	25	25	-	05/20/2030
111	Maple Street	South Main Street to Abbott Street	25	26	25	25	-	04/23/2030
112	Clay Street	Iverson Street to South Main Street	25	29	30	25	2	04/28/2030
113	Lincoln Avenue	West Market Street to Clay Street	25	29	30	25	2	05/06/2030
114	Salinas Street	West Market Street to Clay Street	25	22	25	25	-	04/25/2030
116	Pajaro Street	East Market Street to East Blanco Road	25	31	30	25	1	04/25/2030
117	Hebbron Avenue	East Market Street to John Street	25	28	30	25	2	06/04/2030
118	Tyler Street	East Laurel Drive to Iris Drive	25	26	25	25	-	04/28/2030
121	Los Palos Drive	San Miguel Avenue to Abbott Street	25	28	30	25	2	04/22/2030
129	East Rossi Street	North Main Street to Sherwood Drive	25	31	30	25	1	05/12/2030

¹Not valid posted speed limit.

²AB43 applied.

COLLISION HISTORY

The Engineering and Traffic Survey forms summarize the available collision information for each of the street segments. The collision information was obtained from the City of Salinas from January 1, 2022 to December 31, 2023. For this analysis, only collisions during the 2-year period between January 1, 2022 to December 31, 2023 were considered. The collisions were reviewed and only corridor related collisions, those not related to signalized intersections, were summarized for each segment. Based on the number of total collisions studied over the 2-year period and average daily traffic (ADT) counts, a collision rate was calculated for each segment. The collision rates for each segment were compared to the statewide average rate listed in the 2022 Collision Data on California State Highways, to provide a general comparison of the collision rates on the segments to expected collisions rates for similar types of roadways, shown in **Table 2: Collision Rate Summary**.

Lane Type	Total Statewide Urban Collision Rate (2020, 2021, 2022) (Total per million vehicle miles)
2 and 3 lane	1.07
4+ lanes (undivided)	1.33
4+ lanes (divided)	0.99

Table 2: Collision Rate Summary








No.	Street	Segment	Existing Facility	Length (mi)	AADT	Collisions (2 years) (2022-2023)	Collision Rate (Acc./MVM)	Statewide Collision Rate (Acc./MVM)
3	Abbott Street	South Sanborn Road/East Blanco Road to Harkins Road	4+ lanes (undivided)	0.57	22,599	4	0.43	1.33
5	Airport Boulevard	Skyway Boulevard to Hansen Street	4+ lanes (undivided)	1.13	10,757	6	0.67	1.33
20	Casentini Street	North Main Street to Rico Street	2 and 3 lane	0.44	4,419	6	4.23	1.07
27	Constitution Boulevard	Independence Boulevard to East Boronda Road	4+ lanes (divided)	1.19	10,572	14	1.52	0.99
45	East Romie Lane	Riker Street to Abbott Street	2 and 3 lane	1.41	8,168	3	0.36	1.07
47	Natividad Road	East Laurel Drive to East Bernal Drive	4+ lanes (undivided)	0.47	37,082	9	0.71	1.33
55	Linwood Drive	East Laurel Drive East Alvin Drive	2 and 3 lane	0.62	5,739	10	3.88	1.07
63	San Juan Grade Road	North Main Street to Rusell Road	4+ lanes (divided)	1.22	7,400	8	1.21	0.99
109	Navajo Drive	Adams Street to North Main Street	2 and 3 lane	0.65	1,511	4	5.58	1.07
110	Villa Street	West Market Street to Central Avenue	2 and 3 lane	0.45	2,362	1	1.29	1.07
111	Maple Street	South Main Street to Abbott Street	2 and 3 lane	0.60	1,381	10	16.53	1.07
112	Clay Street	Iverson Street to South Main Street	2 and 3 lane	0.44	4,294	12	8.70	1.07
113	Lincoln Avenue	West Market Street to Clay Street	2 and 3 lane	0.54	6,573	5	1.93	1.07
114	Salinas Street	West Market Street to Clay Street	2 and 3 lane	0.50	7,853	10	3.41	1.07
116	Pajaro Street	East Market Street to East Blanco Road	2 and 3 lane	1.69	6,598	30	3.69	1.07
117	Hebbron Avenue	East Market Street to John Street	2 and 3 lane	0.46	4,988	3	1.79	1.07
118	Tyler Street	East Laurel Drive to Iris Drive	2 and 3 lane	0.34	2,394	4	6.73	1.07
121	Los Palos Drive	San Miguel Avenue to Abbott Street	2 and 3 lane	0.55	2,981	4	3.34	1.07
129	East Rossi Street	North Main Street to Sherwood Drive	2 and 3 lane	0.22	12,121	1	0.51	1.07

APPENDIX A
ENGINEERING AND TRAFFIC SURVEYS



COMMENTS:

This segment of Abbott Street is classified as a major arterial in the City of Salinas General Plan. The surrounding land use includes industrial use. Speed data collected on April 22, 2025, revealed the 85th percentile speed of 42 mph. The 10 mph pace ranges from 31 mph to 40 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded down, the existing posted speed limit of 40 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 3,000 Feet	<div><div> ALL-WAY STOP</div><div> SIGNAL</div><div> SPEED LIMIT SIGN</div><div> CITY LIMITS</div><div> CROSSWALK</div><div> SCHOOL CROSSWALK</div></div>	
Vertical Alignment	Flat		
Street Width	110 Feet		
No. Lanes and Median	4-Lane Major Arterial		
Proposed Speed Zone	40 MPH		
85th Percentile Speed	42 MPH		
Traffic Volume (Date)	22,599 (2024)		
Accident Data (2 years)	4 Collisions (2022-2023)		
Street Segment Collision Rate = $\frac{\text{Collisions}}{\text{Years} (365) \text{ (ADT)} \text{ (Length in Miles)}}$	0.43 Acc./MVM		



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Abbott Street	Direction:	WBD		
Between:	Sanborn Road and Harkins Road	No. 3 Comments:			
Survey Location:	1131 Abbott Street				
Speed Limit:	40 MPH				
Date:	04/22/25				
Hours:	From: 12:37	To:	01:03		
Weather:	Clear				
Observer(s):	Alejandro M.				

MPH	Frequency	Percent	Cumulative %	Data Analysis:			
19	0	0.00%	0.00%	<div>Time Mean Speed: 33.9 MPH</div> <div>Sample Variance: 33.79</div> <div>Standard Deviation: 5.8</div> <div>Variance of the Mean: 0.6758</div> <div>Standard Error of the Mean: 0.8</div> <div>10 MPH Pace: 27 To: 36 MPH</div> <div>Percent in Pace: 56.0%</div> <div>Vehicles in Pace: 28</div> <div>50th Percentile Speed: 34 MPH</div> <div>85th Percentile Speed: 41 MPH</div> <div>90th Percentile Speed: 42 MPH</div> <div>95th Percentile Speed: 42 MPH</div>			
20	0	0.00%	0.00%				
21	0	0.00%	0.00%				
22	1	2.00%	2.00%				
23	0	0.00%	2.00%				
24	1	2.00%	4.00%				
25	2	4.00%	8.00%				
26	0	0.00%	8.00%				
27	4	8.00%	16.00%				
28	3	6.00%	22.00%				
29	3	6.00%	28.00%				
30	3	6.00%	34.00%				
31	2	4.00%	38.00%				
32	2	4.00%	42.00%				
33	2	4.00%	46.00%				
34	4	8.00%	54.00%				
35	3	6.00%	60.00%				
36	2	4.00%	64.00%				
37	2	4.00%	68.00%				
38	1	2.00%	70.00%				
39	3	6.00%	76.00%				
40	4	8.00%	84.00%				
41	1	2.00%	86.00%				
42	5	10.00%	96.00%				
43	2	4.00%	100.00%				
44	0	0.00%	100.00%				
45	0	0.00%	100.00%				
46	0	0.00%	100.00%				
47	0	0.00%	100.00%				
48	0	0.00%	100.00%				
49	0	0.00%	100.00%				
50	0	0.00%	100.00%				
51	0	0.00%	100.00%				
52	0	0.00%	100.00%				
53	0	0.00%	100.00%				
54	0	0.00%	100.00%				
55	0	0.00%	100.00%				
56	0	0.00%	100.00%				
57	0	0.00%	100.00%				
58	0	0.00%	100.00%				
59	0	0.00%	100.00%				
60	0	0.00%	100.00%				
61	0	0.00%	100.00%				
62	0	0.00%	100.00%				
63	0	0.00%	100.00%				
Totals:	50	100.00%					

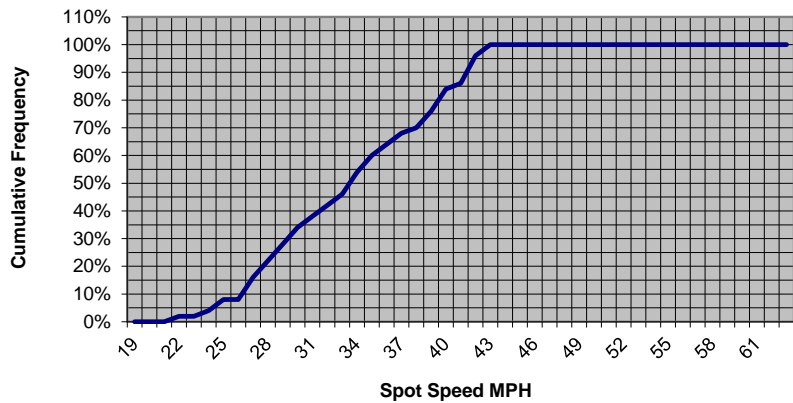
Cumulative Frequency Distribution

Spot Speed (MPH)	Cumulative Frequency (%)
19	0.00
20	0.00
21	0.00
22	2.00
23	2.00
24	4.00
25	8.00
26	8.00
27	16.00
28	22.00
29	28.00
30	34.00
31	38.00
32	42.00
33	46.00
34	54.00
35	60.00
36	64.00
37	68.00
38	70.00
39	76.00
40	84.00
41	86.00
42	96.00
43	100.00
44-61	100.00

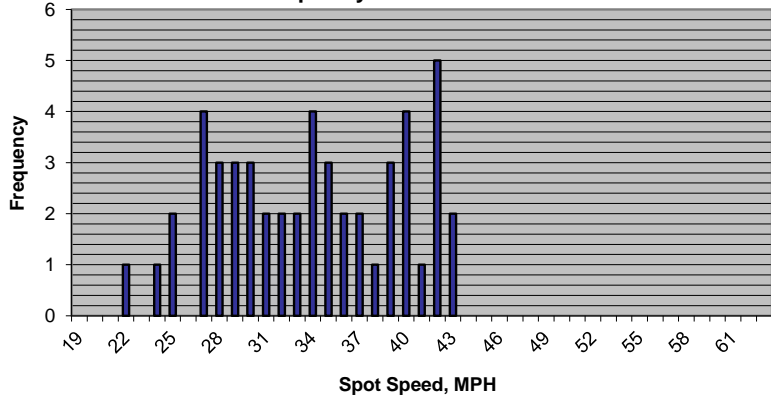
Frequency Distribution

Spot Speed (MPH)	Frequency
19	0
20	0
21	1
22	0
23	1
24	2
25	0
26	4
27	3
28	3
29	3
30	2
31	2
32	2
33	4
34	3
35	2
36	2
37	1
38	3
39	4
40	3
41	1
42	5
43	2
44-61	0

Cumulative Frequency Distribution



Frequency Distribution



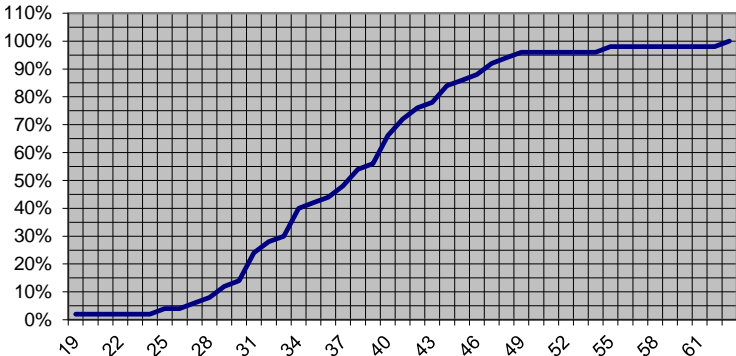
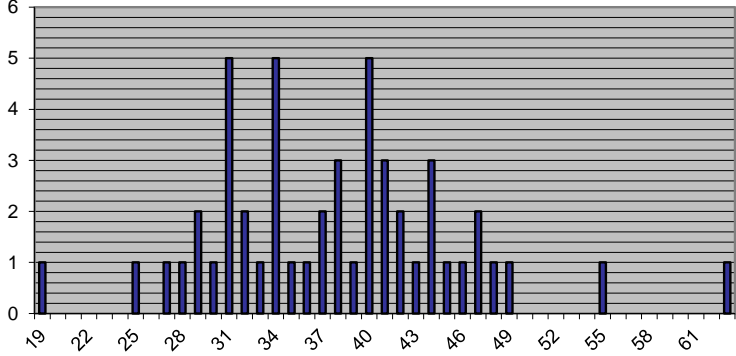


CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Abbott Street	Direction:	EBD	Comments:
Between:	Sanborn Road and Harkins Road	No. 3		
Survey Location:	1131 Abbott Street			
Speed Limit:	40 MPH			
Date:	04/22/25			
Hours:	From: 12:37	To:	01:03	
Weather:	Clear			
Observer(s):	Alejandro M.			

MPH	Frequency	Percent	Cumulative %	Data Analysis:				
19	1	2.00%	2.00%	<div><div>Time Mean Speed:</div><div>Sample Variance:</div><div>Standard Deviation:</div><div>Variance of the Mean:</div><div>Standard Error of the Mean:</div><div>10 MPH Pace:</div><div>Percent in Pace:</div><div>Vehicles in Pace:</div><div>50th Percentile Speed:</div><div>85th Percentile Speed:</div><div>90th Percentile Speed:</div><div>95th Percentile Speed:</div></div>	37.8	MPH		
20	0	0.00%	2.00%		61.93			
21	0	0.00%	2.00%		7.9			
22	0	0.00%	2.00%		1.2386			
23	0	0.00%	2.00%		1.1			
24	0	0.00%	2.00%					
25	1	2.00%	4.00%		31	To:	40	MPH
26	0	0.00%	4.00%		52.0%			
27	1	2.00%	6.00%		26			
28	1	2.00%	8.00%		38	MPH		
29	2	4.00%	12.00%	45	MPH			
30	1	2.00%	14.00%	47	MPH			
31	5	10.00%	24.00%	49	MPH			
32	2	4.00%	28.00%	<div>Cumulative Frequency Distribution</div> 				
33	1	2.00%	30.00%					
34	5	10.00%	40.00%					
35	1	2.00%	42.00%					
36	1	2.00%	44.00%					
37	2	4.00%	48.00%					
38	3	6.00%	54.00%					
39	1	2.00%	56.00%					
40	5	10.00%	66.00%					
41	3	6.00%	72.00%					
42	2	4.00%	76.00%	<div>Frequency Distribution</div> 				
43	1	2.00%	78.00%					
44	3	6.00%	84.00%					
45	1	2.00%	86.00%					
46	1	2.00%	88.00%					
47	2	4.00%	92.00%					
48	1	2.00%	94.00%					
49	1	2.00%	96.00%					
50	0	0.00%	96.00%					
51	0	0.00%	96.00%					
52	0	0.00%	96.00%					
53	0	0.00%	96.00%					
54	0	0.00%	96.00%					
55	1	2.00%	98.00%					
56	0	0.00%	98.00%					
57	0	0.00%	98.00%					
58	0	0.00%	98.00%					
59	0	0.00%	98.00%					
60	0	0.00%	98.00%					
61	0	0.00%	98.00%					
62	0	0.00%	98.00%					
63	1	2.00%	100.00%					
Totals:	50	100.00%						



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Abbott Street	Direction:	WBD/EBD	No. 3	Comments:
Between:	Sanborn Road and Harkins Road				
Survey Location:	1131 Abbott Street				
Speed Limit:	40 MPH				
Date:	04/22/25	Day:	Tuesday		
Hours:	From: 1237	To:	01:03		
Weather:	Clear				
Observer(s):	Alejandro M.				

MPH	Frequency	Percent	Cumulative %	
19	1	1.00%	1.00%	
20	0	0.00%	1.00%	
21	0	0.00%	1.00%	
22	1	1.00%	2.00%	
23	0	0.00%	2.00%	
24	1	1.00%	3.00%	
25	3	3.00%	6.00%	
26	0	0.00%	6.00%	
27	5	5.00%	11.00%	
28	4	4.00%	15.00%	
29	5	5.00%	20.00%	
30	4	4.00%	24.00%	
31	7	7.00%	31.00%	
32	4	4.00%	35.00%	
33	3	3.00%	38.00%	
34	9	9.00%	47.00%	
35	4	4.00%	51.00%	
36	3	3.00%	54.00%	
37	4	4.00%	58.00%	
38	4	4.00%	62.00%	
39	4	4.00%	66.00%	
40	9	9.00%	75.00%	
41	4	4.00%	79.00%	
42	7	7.00%	86.00%	
43	3	3.00%	89.00%	
44	3	3.00%	92.00%	
45	1	1.00%	93.00%	
46	1	1.00%	94.00%	
47	2	2.00%	96.00%	
48	1	1.00%	97.00%	
49	1	1.00%	98.00%	
50	0	0.00%	98.00%	
51	0	0.00%	98.00%	
52	0	0.00%	98.00%	
53	0	0.00%	98.00%	
54	0	0.00%	98.00%	
55	1	1.00%	99.00%	
56	0	0.00%	99.00%	
57	0	0.00%	99.00%	
58	0	0.00%	99.00%	
59	0	0.00%	99.00%	
60	0	0.00%	99.00%	
61	0	0.00%	99.00%	
62	0	0.00%	99.00%	
63	1	1.00%	100.00%	
Totals:	100	100.00%		

Data Analysis:

Time Mean Speed:	35.9	MPH
Sample Variance:	51.14	
Standard Deviation:	7.2	
Variance of the Mean:	0.5114	
Standard Error of the Mean:	0.7	
10 MPH Pace:	31	To: 40 MPH
Percent in Pace:	51.0%	
Vehicles in Pace:	51	
50th Percentile Speed:	35	MPH
85th Percentile Speed:	42	MPH
90th Percentile Speed:	44	MPH
95th Percentile Speed:	47	MPH

Cumulative Frequency Distribution

Frequency Distribution

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE

3

LOCATION

Abbott St. between Sanborn Rd. and Harkins Rd

DATE

4/22

DAY

Tuesday

TIME 12:37

TO 1:03

OBSERVER

Alejandro M

CALCULATED BY

Alejandro M

WEATHER

Clear

Direction:

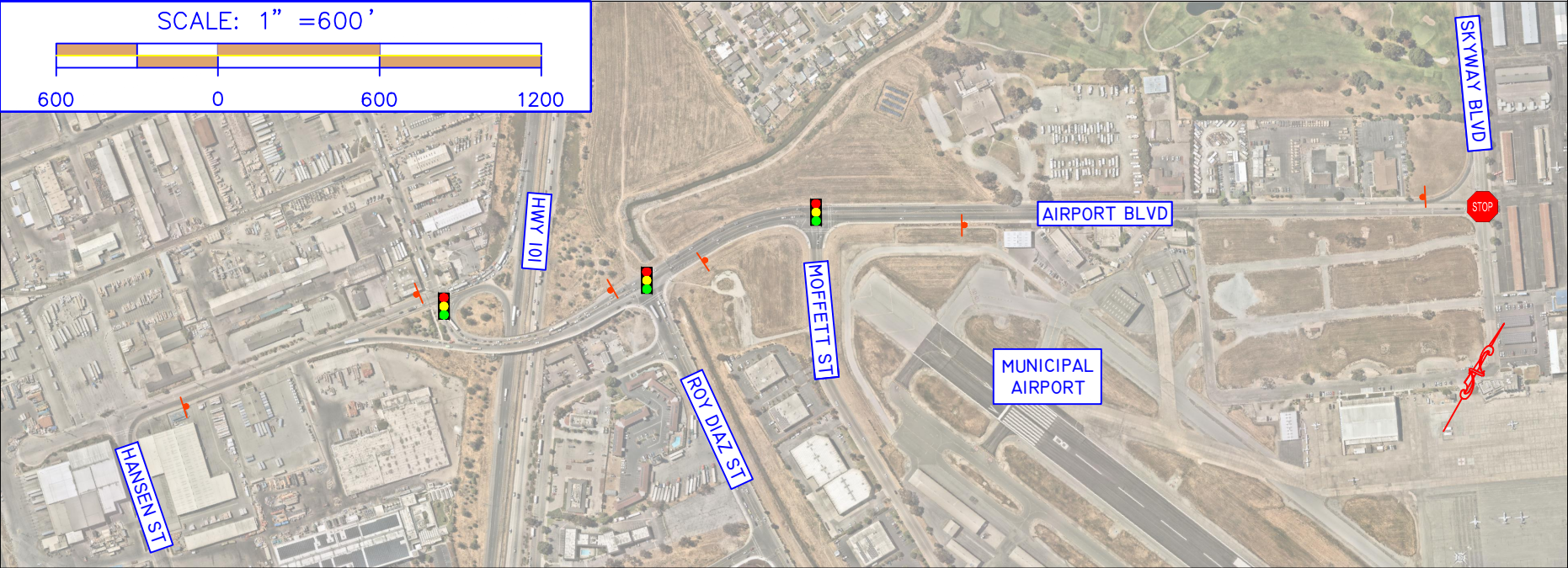
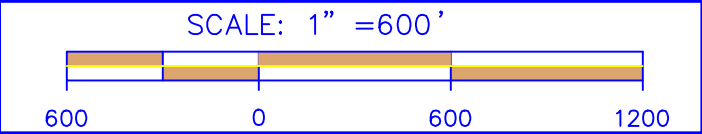
W.B.

MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
66				
65				
64				
63				
62				
61				
60				
59				
58				
57				
56				
55				
54				
53				
52				
51				
50				
49				
48				
47				
46				
45				
44				
43	X			
42	X	X		
41	X			
40	X	X		
39	X	X		
38	X			
37	X	X		
36	X	X		
35	X	X		
34	X	X		
33	X			
32	X	X		
31	X	X		
30	X	X		
29	X	X		
28	X	X		
27	X	X		
26				
25	X	X		
24	X			
23				
22	X			
21				
20				
19				
18				
17				
16				
15				
14				
13				
12				
11				
10				

Direction:








E.B.

MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
66				
65	X			
64				
63				
62				
61				
60				
59				
58				
57				
56				
55	X			
54				
53				
52				
51				
50				
49	X			
48	X			
47	X	X		
46	X			
45	X			
44	X	X		
43	X			
42	X	X		
41	X	X		
40	X	X	X	
39	X	X		
38	X	X		
37	X	X		
36	X			
35	X			
34	X	X	X	
33	X			
32	X	X		
31	X	X	X	
30	X			
29	X	X		
28	X			
27	X			
26				
25	X			
24				
23				
22				
21				
20				
19	X			
18				
17				
16				
15				
14				
13				
12				
11				
10				



COMMENTS:

This segment of Airport Boulevard is classified as a collector in the City of Salinas General Plan. The surrounding land use includes industrial and business park use. Speed data collected on April 23, 2025, revealed the 85th percentile speed of 39 mph. The 10 mph pace ranges from 30 mph to 39 mph and suggests the 85th percentile is within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded up, the existing speed limit of 45 mph should be reduced to 40 mph.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 6,000 Feet	<div> ALL-WAY STOP</div> <div> SIGNAL</div> <div> SPEED LIMIT SIGN</div> <div> CITY LIMITS</div> <div> CROSSWALK</div> <div> SCHOOL CROSSWALK</div>	
Vertical Alignment	Flat		
Street Width	64 Feet		
No. Lanes and Median	4-Lane Minor Arterial		
Proposed Speed Zone	40 MPH		
85th Percentile Speed	39 MPH		
Traffic Volume (Date)	10,757 (2024)		
Accident Data (2 years)	6 Collisions (2022-2023)		
Street Segment Collision Rate = $\frac{\text{Collisions}}{\text{Years}} \frac{1,000,000}{(\text{ADT}) (\text{Length in Miles})}$	0.67 Acc./MVM		



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Airport Boulevard	Direction: <u>WBD</u>	Comments: <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 5</div>
Between:	Skyway Boulevard & Hansen Street		
Survey Location:	Airport Blvd & Mercer Wy		
Speed Limit:	45 MPH		
Date:	04/23/25	Day: Wednesday	
Hours: From:	03:36	To: 03:52	
Weather:	Sunny		
Observer(s):	Sean L. & Eva H.		

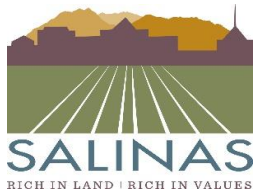
MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	0	0.00%	0.00%	
19	0	0.00%	0.00%	
20	0	0.00%	0.00%	
21	0	0.00%	0.00%	
22	0	0.00%	0.00%	
23	0	0.00%	0.00%	
24	0	0.00%	0.00%	
25	0	0.00%	0.00%	
26	0	0.00%	0.00%	
27	0	0.00%	0.00%	
28	0	0.00%	0.00%	
29	5	10.00%	10.00%	
30	9	18.00%	28.00%	
31	2	4.00%	32.00%	
32	5	10.00%	42.00%	
33	2	4.00%	46.00%	
34	2	4.00%	50.00%	
35	6	12.00%	62.00%	
36	5	10.00%	72.00%	
37	7	14.00%	86.00%	
38	2	4.00%	90.00%	
39	2	4.00%	94.00%	
40	3	6.00%	100.00%	
41	0	0.00%	100.00%	
42	0	0.00%	100.00%	
43	0	0.00%	100.00%	
44	0	0.00%	100.00%	
45	0	0.00%	100.00%	
46	0	0.00%	100.00%	
47	0	0.00%	100.00%	
48	0	0.00%	100.00%	
49	0	0.00%	100.00%	
50	0	0.00%	100.00%	
51	0	0.00%	100.00%	
52	0	0.00%	100.00%	
53	0	0.00%	100.00%	
54	0	0.00%	100.00%	
Totals:	50	100.00%		

Data Analysis:

Time Mean Speed:	33.9	MPH
Sample Variance:	11.99	
Standard Deviation:	3.5	
Variance of the Mean:	0.2398	
Standard Error of the Mean:	0.5	
10 MPH Pace:	28	To: 37 MPH
Percent in Pace:	86.0%	
Vehicles in Pace:	43	
50th Percentile Speed:	34	MPH
85th Percentile Speed:	37	MPH
90th Percentile Speed:	38	MPH
95th Percentile Speed:	40	MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	<u>Airport Boulevard</u>	Direction:	<u>EBD</u>	Comments: No. 5
Between:	<u>Skyway Boulevard & Hansen Street</u>			
Survey Location:	<u>Airport Blvd & Mercer Wy</u>			
Speed Limit:	<u>45</u> MPH			
Date:	<u>04/23/25</u>	Day:	<u>Wednesday</u>	
Hours:	From: <u>03:36</u>	To:	<u>03:52</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Sean L. & Eva H.</u>			

MPH	Frequency	Percent	Cumulative %	<i>Data Analysis:</i>
10	0	0.00%	0.00%	Time Mean Speed: <u>36.7</u> MPH Sample Variance: <u>11.77</u> Standard Deviation: <u>3.4</u> Variance of the Mean: <u>0.2354</u> Standard Error of the Mean: <u>0.5</u> 10 MPH Pace: <u>33</u> To: <u>42</u> MPH Percent in Pace: <u>86.0%</u> Vehicles in Pace: <u>43</u> 50th Percentile Speed: <u>37</u> MPH 85th Percentile Speed: <u>41</u> MPH 90th Percentile Speed: <u>41</u> MPH 95th Percentile Speed: <u>42</u> MPH
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	0	0.00%	0.00%	
19	0	0.00%	0.00%	
20	0	0.00%	0.00%	
21	0	0.00%	0.00%	
22	0	0.00%	0.00%	
23	0	0.00%	0.00%	
24	0	0.00%	0.00%	
25	0	0.00%	0.00%	
26	0	0.00%	0.00%	
27	0	0.00%	0.00%	
28	0	0.00%	0.00%	
29	0	0.00%	0.00%	
30	2	4.00%	4.00%	
31	2	4.00%	8.00%	
32	3	6.00%	14.00%	
33	4	8.00%	22.00%	
34	2	4.00%	26.00%	
35	7	14.00%	40.00%	
36	1	2.00%	42.00%	
37	7	14.00%	56.00%	
38	6	12.00%	68.00%	
39	5	10.00%	78.00%	
40	3	6.00%	84.00%	
41	3	6.00%	90.00%	
42	5	10.00%	100.00%	
43	0	0.00%	100.00%	
44	0	0.00%	100.00%	
45	0	0.00%	100.00%	
46	0	0.00%	100.00%	
47	0	0.00%	100.00%	
48	0	0.00%	100.00%	
49	0	0.00%	100.00%	
50	0	0.00%	100.00%	
51	0	0.00%	100.00%	
52	0	0.00%	100.00%	
53	0	0.00%	100.00%	
54	0	0.00%	100.00%	
Totals:	50	100.00%		

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Airport Boulevard	Direction:	WBD/EBD	No. 5	Comments:
Between:	Skyway Boulevard & Hansen Street				
Survey Location:	E/O Rider Avenue				
Speed Limit:	45 MPH				
Date:	04/23/25	Day:	Wednesday		
Hours:	From: 03:36	To:	03:52		
Weather:	Sunny				
Observer(s):	Sean L. & Eva H.				

MPH	Frequency	Percent	Cumulative %	<i>Data Analysis:</i>
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	0	0.00%	0.00%	
19	0	0.00%	0.00%	
20	0	0.00%	0.00%	
21	0	0.00%	0.00%	
22	0	0.00%	0.00%	
23	0	0.00%	0.00%	
24	0	0.00%	0.00%	
25	0	0.00%	0.00%	
26	0	0.00%	0.00%	
27	0	0.00%	0.00%	
28	0	0.00%	0.00%	
29	5	5.00%	5.00%	
30	11	11.00%	16.00%	
31	4	4.00%	20.00%	
32	8	8.00%	28.00%	
33	6	6.00%	34.00%	
34	4	4.00%	38.00%	
35	13	13.00%	51.00%	
36	6	6.00%	57.00%	
37	14	14.00%	71.00%	
38	8	8.00%	79.00%	
39	7	7.00%	86.00%	
40	6	6.00%	92.00%	
41	3	3.00%	95.00%	
42	5	5.00%	100.00%	
43	0	0.00%	100.00%	
44	0	0.00%	100.00%	
45	0	0.00%	100.00%	
46	0	0.00%	100.00%	
47	0	0.00%	100.00%	
48	0	0.00%	100.00%	
49	0	0.00%	100.00%	
50	0	0.00%	100.00%	
51	0	0.00%	100.00%	
52	0	0.00%	100.00%	
53	0	0.00%	100.00%	
54	0	0.00%	100.00%	
Totals:	100	100.00%		

Time Mean Speed: 35.3 **MPH**

Sample Variance: 13.74

Standard Deviation: 3.7

Variance of the Mean: 0.1374

Standard Error of the Mean: 0.4

10 MPH Pace: 30 **To:** 39 **MPH**

Percent in Pace: 81.0%

Vehicles in Pace: 81

50th Percentile Speed: 35 **MPH**

85th Percentile Speed: 39 **MPH**

90th Percentile Speed: 40 **MPH**

95th Percentile Speed: 41 **MPH**

Cumulative Frequency Distribution

Frequency Distribution

SITE CODE
5

SPEED SURVEY FIELD SHEET
CITY OF SALINAS

LOCATION Airport Blvd. between Skyway Blvd. and Hansen St.
DATE 04/23/25 DAY Wednesday TIME 3:36 TO 3:52
OBSERVER SEAN L CALCULATED BY _____ WEATHER Sunny
away

Direction: E.B.

MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
66				
65				
64				
63				
62				
61				
60				
59				
58				
57				
56				
55				
54				
53				
52				
51				
50				
49				
48				
47				
46				
45				
44				
43				
42				
41				
40				
39				
38				
37				
36				
35				
34				
33				
32				
31				
30				
29				
28				
27				
26				
25				
24				
23				
22				
21				
20				
19				
18				
17				
16				
15				
14				
13				
12				
11				
10				








Direction: incoming W.B.

MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
66				
65				
64				
63				
62				
61				
60				
59				
58				
57				
56				
55				
54				
53				
52				
51				
50				
49				
48				
47				
46				
45				
44				
43				
42				
41				
40				
39				
38				
37				
36				
35				
34				
33				
32				
31				
30				
29				
28				
27				
26				
25				
24				
23				
22				
21				
20				
19				
18				
17				
16				
15				
14				
13				
12				
11				
10				



COMMENTS:

This segment of Casentini Street is classified as a collector in the City of Salinas General Plan. The surrounding land use includes fronting residential and commercial areas. Speed data collected April 18, 2025 revealed a 85th percentile of 36 mph. The 10 mph pace ranges from 26 mph to 35 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded down and reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 35 mph should be reduced to 30 mph.

AREA	DESCRIPTION	MAP SYMBOL		
Distance	Approximately 2,350 Feet	     	ALL-WAY STOP	
Vertical Alignment	Flat		SIGNAL	
Street Width	44 Feet		SPEED SIGN	
No. Lanes and Median	2-Lane Collector		CITY LIMITS	
Proposed Speed Zone	30 MPH		CROSSWALK	
85th Percentile Speed	36 MPH		SCHOOL CROSSWALK	
Traffic Volume (Date)	4,419 (2025)			
Accident Data (2 years)	6 Collisions (2022-2023)			
Street Segment Collision Rate = $\frac{\text{Collisions}}{\text{Years}} \cdot \frac{1,000,000}{\text{ADT} \cdot \text{Length in Miles}}$	4.23 Acc./MVM			



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	<u>Casentini St</u>	Direction:	<u>WBD</u>	Comments: <div style="font-size: 1.2em; font-weight: bold;">No. 20</div>
Between:	<u>N Main St & Rico St</u>			
Survey Location:	<u>303 Casentini St</u>			
Speed Limit:	<u>35</u> MPH			
Date:	<u>04/18/25</u>	Day:	<u>Friday</u>	
Hours: From:	<u>03:33</u>	To:	<u>04:00</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Sean L. & Eva H.</u>			

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	0	0.00%	0.00%	
19	0	0.00%	0.00%	
20	0	0.00%	0.00%	
21	0	0.00%	0.00%	
22	0	0.00%	0.00%	
23	0	0.00%	0.00%	
24	0	0.00%	0.00%	
25	0	0.00%	0.00%	
26	2	4.00%	4.00%	
27	1	2.00%	6.00%	
28	1	2.00%	8.00%	
29	5	10.00%	18.00%	
30	3	6.00%	24.00%	
31	5	10.00%	34.00%	
32	6	12.00%	46.00%	
33	7	14.00%	60.00%	
34	5	10.00%	70.00%	
35	4	8.00%	78.00%	
36	4	8.00%	86.00%	
37	1	2.00%	88.00%	
38	1	2.00%	90.00%	
39	2	4.00%	94.00%	
40	2	4.00%	98.00%	
41	1	2.00%	100.00%	
42	0	0.00%	100.00%	
43	0	0.00%	100.00%	
44	0	0.00%	100.00%	
45	0	0.00%	100.00%	
46	0	0.00%	100.00%	
47	0	0.00%	100.00%	
48	0	0.00%	100.00%	
49	0	0.00%	100.00%	
50	0	0.00%	100.00%	
51	0	0.00%	100.00%	
52	0	0.00%	100.00%	
53	0	0.00%	100.00%	
54	0	0.00%	100.00%	
Totals:	50	100.00%		

Data Analysis:

Time Mean Speed:	33.0	MPH
Sample Variance:	12.73	
Standard Deviation:	3.6	
Variance of the Mean:	0.2546	
Standard Error of the Mean:	0.5	
10 MPH Pace:	27	To: 36 MPH
Percent in Pace:	82.0%	
Vehicles in Pace:	41	
50th Percentile Speed:	33	MPH
85th Percentile Speed:	36	MPH
90th Percentile Speed:	38	MPH
95th Percentile Speed:	40	MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	<u>Casentini St</u>	Direction:	<u>EBD</u>	Comments: <div style="font-size: 1.2em; font-weight: bold;">No. 20</div>
Between:	<u>N Main St & Rico St</u>			
Survey Location:	<u>303 Casentini St</u>			
Speed Limit:	<u>35</u> MPH			
Date:	<u>04/18/25</u>	Day:	<u>Friday</u>	
Hours: From:	<u>03:33</u>	To:	<u>04:00</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Sean L. & Eva H.</u>			

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	0	0.00%	0.00%	
19	0	0.00%	0.00%	
20	0	0.00%	0.00%	
21	0	0.00%	0.00%	
22	0	0.00%	0.00%	
23	0	0.00%	0.00%	
24	0	0.00%	0.00%	
25	0	0.00%	0.00%	
26	6	12.00%	12.00%	
27	1	2.00%	14.00%	
28	2	4.00%	18.00%	
29	5	10.00%	28.00%	
30	4	8.00%	36.00%	
31	7	14.00%	50.00%	
32	5	10.00%	60.00%	
33	7	14.00%	74.00%	
34	2	4.00%	78.00%	
35	5	10.00%	88.00%	
36	4	8.00%	96.00%	
37	1	2.00%	98.00%	
38	1	2.00%	100.00%	
39	0	0.00%	100.00%	
40	0	0.00%	100.00%	
41	0	0.00%	100.00%	
42	0	0.00%	100.00%	
43	0	0.00%	100.00%	
44	0	0.00%	100.00%	
45	0	0.00%	100.00%	
46	0	0.00%	100.00%	
47	0	0.00%	100.00%	
48	0	0.00%	100.00%	
49	0	0.00%	100.00%	
50	0	0.00%	100.00%	
51	0	0.00%	100.00%	
52	0	0.00%	100.00%	
53	0	0.00%	100.00%	
54	0	0.00%	100.00%	
Totals:	50	100.00%		

Data Analysis:

Time Mean Speed:	31.5	MPH
Sample Variance:	10.46	
Standard Deviation:	3.2	
Variance of the Mean:	0.2092	
Standard Error of the Mean:	0.5	
10 MPH Pace:	26	To: 35 MPH
Percent in Pace:	88.0%	
Vehicles in Pace:	44	
50th Percentile Speed:	31	MPH
85th Percentile Speed:	35	MPH
90th Percentile Speed:	36	MPH
95th Percentile Speed:	36	MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

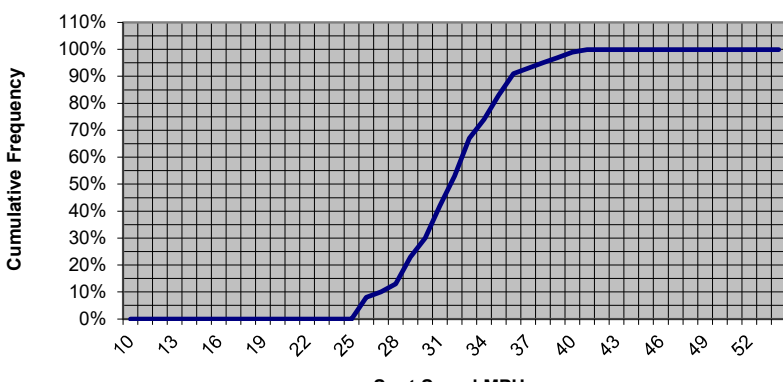
DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

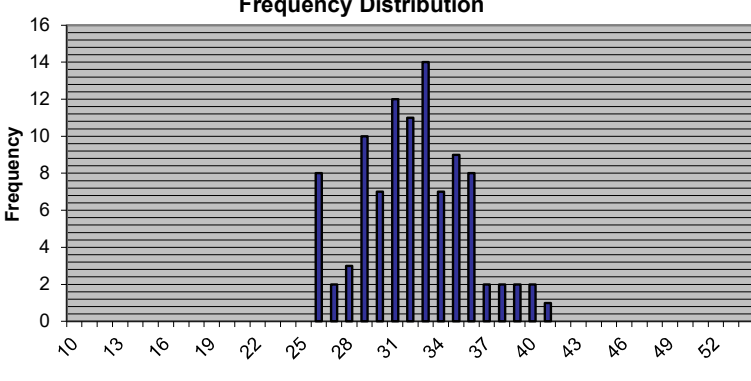
Street:	<u>Casentini St</u>	Direction:	<u>WBD/EBD</u>	Comments: No. 20
Between:	<u>N Main St & Rico St</u>			
Survey Location:	<u>303 Casentini St</u>			
Speed Limit:	<u>35</u> MPH			
Date:	<u>04/18/25</u>	Day:	<u>Friday</u>	
Hours:	From: <u>03:33</u>	To:	<u>04:00</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Sean L. & Eva H.</u>			

MPH	Frequency	Percent	Cumulative %	Data Analysis:					
10	0	0.00%	0.00%	<div>Time Mean Speed: Sample Variance: Standard Deviation: Variance of the Mean: Standard Error of the Mean: 10 MPH Pace: Percent in Pace: Vehicles in Pace: 50th Percentile Speed: 85th Percentile Speed: 90th Percentile Speed: 95th Percentile Speed:</div>	<div>32.2</div>	<div>MPH</div>			
11	0	0.00%	0.00%		<div>12.03</div>				
12	0	0.00%	0.00%		<div>3.5</div>				
13	0	0.00%	0.00%		<div>0.1203</div>				
14	0	0.00%	0.00%		<div>0.3</div>				
15	0	0.00%	0.00%						
16	0	0.00%	0.00%		<div>26</div>		To:	<div>35</div>	MPH
17	0	0.00%	0.00%		<div>83.0%</div>				
18	0	0.00%	0.00%		<div>83</div>				
19	0	0.00%	0.00%		<div>32</div>			<div>MPH</div>	
20	0	0.00%	0.00%		<div>36</div>			<div>MPH</div>	
21	0	0.00%	0.00%		<div>36</div>			<div>MPH</div>	
22	0	0.00%	0.00%		<div>38</div>			<div>MPH</div>	
23	0	0.00%	0.00%						
24	0	0.00%	0.00%						
25	0	0.00%	0.00%						
26	8	8.00%	8.00%						
27	2	2.00%	10.00%						
28	3	3.00%	13.00%						
29	10	10.00%	23.00%						
30	7	7.00%	30.00%						
31	12	12.00%	42.00%						
32	11	11.00%	53.00%						
33	14	14.00%	67.00%						
34	7	7.00%	74.00%						
35	9	9.00%	83.00%						
36	8	8.00%	91.00%						
37	2	2.00%	93.00%						
38	2	2.00%	95.00%						
39	2	2.00%	97.00%						
40	2	2.00%	99.00%						
41	1	1.00%	100.00%						
42	0	0.00%	100.00%						
43	0	0.00%	100.00%						
44	0	0.00%	100.00%						
45	0	0.00%	100.00%						
46	0	0.00%	100.00%						
47	0	0.00%	100.00%						
48	0	0.00%	100.00%						
49	0	0.00%	100.00%						
50	0	0.00%	100.00%						
51	0	0.00%	100.00%						
52	0	0.00%	100.00%						
53	0	0.00%	100.00%						
54	0	0.00%	100.00%						
Totals:	100	100.00%							

Cumulative Frequency Distribution



Frequency Distribution



SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE

20

LOCATION Casentini St between N Main St and Kico St

DATE 04/18 DAY Friday

TIME 3:33 TO 4:00

OBSERVER Eva H.

CALCULATED BY Sean L.

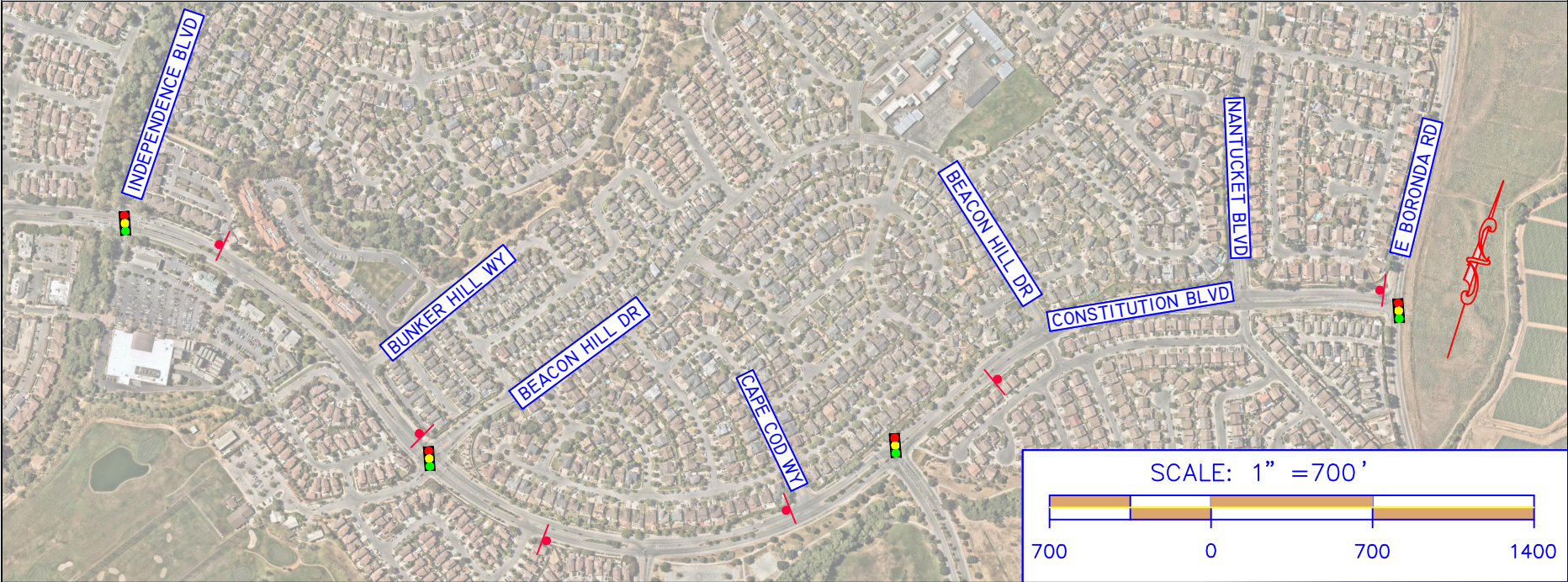
WEATHER Sunny

Direction: EB

MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
66				
65				
64				
63				
62				
61				
60				
59				
58				
57				
56				
55				
54				
53				
52				
51				
50				
49				
48				
47				
46				
45				
44				
43				
42				
41				
40				
39				
38	X			
37	X			
36	X	X		
35	X	X	X	
34	X	X		
33	X	X	X	X
32	X	X	X	X
31	X	X	X	X
30	X	X	X	
29	X	X	X	
28	X	X		
27	X			
26	X	X	X	X
25				
24				
23				
22				
21				
20				
19				
18				
17				
16				
15				
14				
13				
12				
11				
10				








Direction: WB

MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
66				
65				
64				
63				
62				
61				
60				
59				
58				
57				
56				
55				
54				
53				
52				
51				
50				
49				
48				
47				
46				
45				
44				
43				
42				
41	X			
40	X	X		
39	X	X		
38	X			
37	X			
36	X	X	X	
35	X	X	X	
34	X	X	X	X
33	X	X	X	X
32	X	X	X	X
31	X	X	X	X
30	X	X	X	
29	X	X	X	
28	X			
27	X			
26	X	X		
25				
24				
23				
22				
21				
20				
19				
18				
17				
16				
15				
14				
13				
12				
11				
10				



COMMENTS:

This segment of Constitution Boulevard is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes backing residential homes, retail, and park use. Speed data collected on April 8, 2025, revealed the 85th percentile speed of 46 mph. The 10 mph pace ranges from 36 mph to 45 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded down and reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 40 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 6,300 Feet	<div> ALL-WAY STOP</div> <div> SIGNAL</div> <div> SPEED LIMIT SIGN</div> <div> CITY LIMITS</div> <div> CROSSWALK</div> <div> SCHOOL CROSSWALK</div>	
Vertical Alignment	Flat		
Street Width	87 Feet		
No. Lanes and Median	4-Lane Minor Arterial		
Proposed Speed Zone	40 MPH		
85th Percentile Speed	46 MPH		
Traffic Volume (Date)	10,572 (2024)		
Accident Data (2 years)	14 Collisions (2022-2023)		
Street Segment Collision Rate = $\frac{\text{Collisions}}{\text{Years}} \times \frac{1,000,000}{\text{ADT} \times \text{Length in Miles}}$	1.52 Acc./MVM		



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	<u>Constitution Boulevard</u>	Direction:	<u>NBD</u>	Comments: <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 27</div>
Between:	<u>Independence Boulevard and Boronda Road</u>			
Survey Location:	<u>Constitution Boulevard @ Las Casitas Drive</u>			
Speed Limit:	<u>40</u> MPH			
Date:	<u>04/08/25</u>	Day:	<u>Tuesday</u>	
Hours: From:	<u>01:43</u>	To:	<u>02:19</u>	
Weather:	<u>Clear</u>			
Observer(s):	<u>Alejandro M.</u>			

MPH	Frequency	Percent	Cumulative %	
30	0	0.00%	0.00%	
31	1	2.00%	2.00%	
32	1	2.00%	4.00%	
33	2	4.00%	8.00%	
34	3	6.00%	14.00%	
35	3	6.00%	20.00%	
36	2	4.00%	24.00%	
37	3	6.00%	30.00%	
38	4	8.00%	38.00%	
39	5	10.00%	48.00%	
40	3	6.00%	54.00%	
41	1	2.00%	56.00%	
42	3	6.00%	62.00%	
43	2	4.00%	66.00%	
44	4	8.00%	74.00%	
45	2	4.00%	78.00%	
46	2	4.00%	82.00%	
47	1	2.00%	84.00%	
48	3	6.00%	90.00%	
49	0	0.00%	90.00%	
50	1	2.00%	92.00%	
51	2	4.00%	96.00%	
52	1	2.00%	98.00%	
53	1	2.00%	100.00%	
54	0	0.00%	100.00%	
55	0	0.00%	100.00%	
56	0	0.00%	100.00%	
57	0	0.00%	100.00%	
58	0	0.00%	100.00%	
59	0	0.00%	100.00%	
60	0	0.00%	100.00%	
61	0	0.00%	100.00%	
62	0	0.00%	100.00%	
63	0	0.00%	100.00%	
64	0	0.00%	100.00%	
65	0	0.00%	100.00%	
66	0	0.00%	100.00%	
67	0	0.00%	100.00%	
68	0	0.00%	100.00%	
69	0	0.00%	100.00%	
70	0	0.00%	100.00%	
71	0	0.00%	100.00%	
72	0	0.00%	100.00%	
73	0	0.00%	100.00%	
74	0	0.00%	100.00%	
Totals:	50	100.00%		

Data Analysis:

Time Mean Speed:	40.9	MPH
Sample Variance:	32.21	
Standard Deviation:	5.7	
Variance of the Mean:	0.6442	
Standard Error of the Mean:	0.8	
10 MPH Pace:	35	To: 44 MPH
Percent in Pace:	60.0%	
Vehicles in Pace:	30	
50th Percentile Speed:	40	MPH
85th Percentile Speed:	48	MPH
90th Percentile Speed:	48	MPH
95th Percentile Speed:	51	MPH

Cumulative Frequency Distribution

Spot Speed MPH

Frequency Distribution

Spot Speed, MPH



CITY OF SALINAS

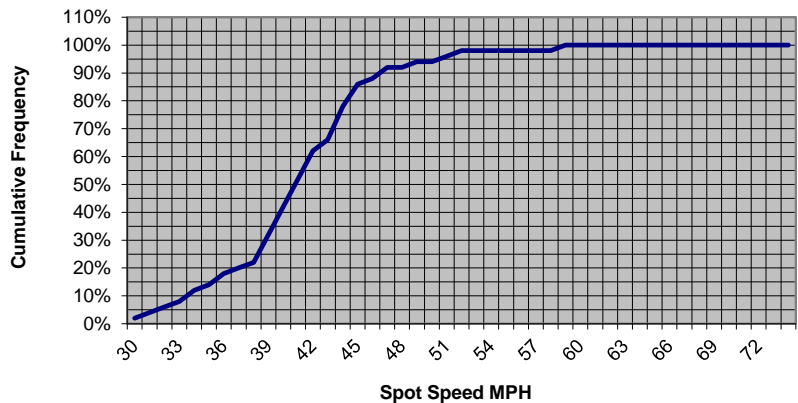
DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

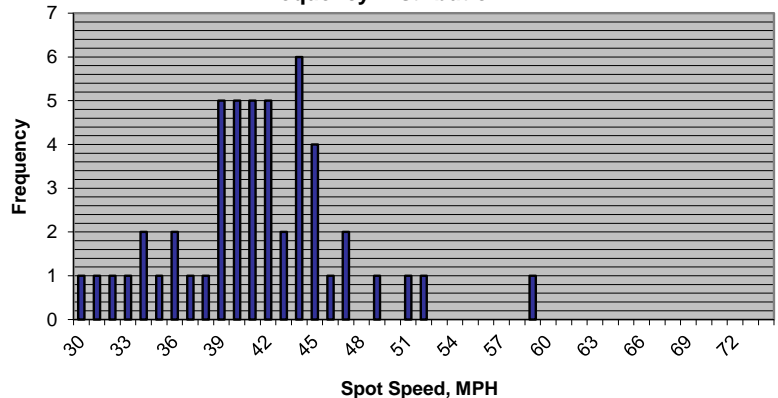
Street:	Constitution Boulevard	Direction: SBD	Comments:
Between:	Independence Boulevard and Boronda Road		No. 27
Survey Location:	Constitution Boulevard @ Las Casitas Drive		
Speed Limit:	40 MPH		
Date:	04/08/25	Day: Tuesday	
Hours: From:	01:43	To: 02:19	
Weather:	Clear		
Observer(s):	Alejandro M.		

MPH	Frequency	Percent	Cumulative %	
30	1	2.00%	2.00%	Data Analysis:
31	1	2.00%	4.00%	
32	1	2.00%	6.00%	
33	1	2.00%	8.00%	
34	2	4.00%	12.00%	
35	1	2.00%	14.00%	
36	2	4.00%	18.00%	
37	1	2.00%	20.00%	
38	1	2.00%	22.00%	
39	5	10.00%	32.00%	
40	5	10.00%	42.00%	Time Mean Speed: 41.3 MPH
41	5	10.00%	52.00%	Sample Variance: 29.21
42	5	10.00%	62.00%	Standard Deviation: 5.4
43	2	4.00%	66.00%	Variance of the Mean: 0.5842
44	6	12.00%	78.00%	Standard Error of the Mean: 0.8
45	4	8.00%	86.00%	10 MPH Pace: 36 To: 45 MPH
46	1	2.00%	88.00%	Percent in Pace: 72.0%
47	2	4.00%	92.00%	Vehicles in Pace: 36
48	0	0.00%	92.00%	50th Percentile Speed: 41 MPH
49	1	2.00%	94.00%	85th Percentile Speed: 45 MPH
50	0	0.00%	94.00%	90th Percentile Speed: 47 MPH
51	1	2.00%	96.00%	95th Percentile Speed: 51 MPH
52	1	2.00%	98.00%	
53	0	0.00%	98.00%	
54	0	0.00%	98.00%	
55	0	0.00%	98.00%	
56	0	0.00%	98.00%	
57	0	0.00%	98.00%	
58	0	0.00%	98.00%	
59	1	2.00%	100.00%	
60	0	0.00%	100.00%	
61	0	0.00%	100.00%	
62	0	0.00%	100.00%	
63	0	0.00%	100.00%	
64	0	0.00%	100.00%	
65	0	0.00%	100.00%	
66	0	0.00%	100.00%	
67	0	0.00%	100.00%	
68	0	0.00%	100.00%	
69	0	0.00%	100.00%	
70	0	0.00%	100.00%	
71	0	0.00%	100.00%	
72	0	0.00%	100.00%	
73	0	0.00%	100.00%	
74	0	0.00%	100.00%	
Totals:	50	100.00%		

Cumulative Frequency Distribution



Frequency Distribution





CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Constitution Boulevard	Direction:	NBD/SBD	Comments: No. 27
Between:	Independence Boulevard and Boronda Road			
Survey Location:	Constitution Boulevard @ Las Casitas Drive			
Speed Limit:	40 MPH			
Date:	04/08/25	Day:	Tuesday	
Hours:	From: 01:43	To:	02:19	
Weather:	Clear			
Observer(s):	Alejandro M.			

MPH	Frequency	Percent	Cumulative %	
30	1	1.00%	1.00%	
31	2	2.00%	3.00%	
32	2	2.00%	5.00%	
33	3	3.00%	8.00%	
34	5	5.00%	13.00%	
35	4	4.00%	17.00%	
36	4	4.00%	21.00%	
37	4	4.00%	25.00%	
38	5	5.00%	30.00%	
39	10	10.00%	40.00%	
40	8	8.00%	48.00%	
41	6	6.00%	54.00%	
42	8	8.00%	62.00%	
43	4	4.00%	66.00%	
44	10	10.00%	76.00%	
45	6	6.00%	82.00%	
46	3	3.00%	85.00%	
47	3	3.00%	88.00%	
48	3	3.00%	91.00%	
49	1	1.00%	92.00%	
50	1	1.00%	93.00%	
51	3	3.00%	96.00%	
52	2	2.00%	98.00%	
53	1	1.00%	99.00%	
54	0	0.00%	99.00%	
55	0	0.00%	99.00%	
56	0	0.00%	99.00%	
57	0	0.00%	99.00%	
58	0	0.00%	99.00%	
59	1	1.00%	100.00%	
60	0	0.00%	100.00%	
61	0	0.00%	100.00%	
62	0	0.00%	100.00%	
63	0	0.00%	100.00%	
64	0	0.00%	100.00%	
65	0	0.00%	100.00%	
66	0	0.00%	100.00%	
67	0	0.00%	100.00%	
68	0	0.00%	100.00%	
69	0	0.00%	100.00%	
70	0	0.00%	100.00%	
71	0	0.00%	100.00%	
72	0	0.00%	100.00%	
73	0	0.00%	100.00%	
74	0	0.00%	100.00%	
Totals:	100	100.00%		

Data Analysis:

Time Mean Speed:	41.1	MPH
Sample Variance:	30.45	
Standard Deviation:	5.5	
Variance of the Mean:	0.3045	
Standard Error of the Mean:	0.6	
10 MPH Pace:	36	To: 45 MPH
Percent in Pace:	65.0%	
Vehicles in Pace:	65	
50th Percentile Speed:	41	MPH
85th Percentile Speed:	46	MPH
90th Percentile Speed:	48	MPH
95th Percentile Speed:	51	MPH

Cumulative Frequency Distribution

Frequency Distribution

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE
27

LOCATION Constitution Blvd. between Independence Blvd. and Borwick Rd.

DATE 4/8/25 DAY Tuesday TIME 1:43 TO 2:19

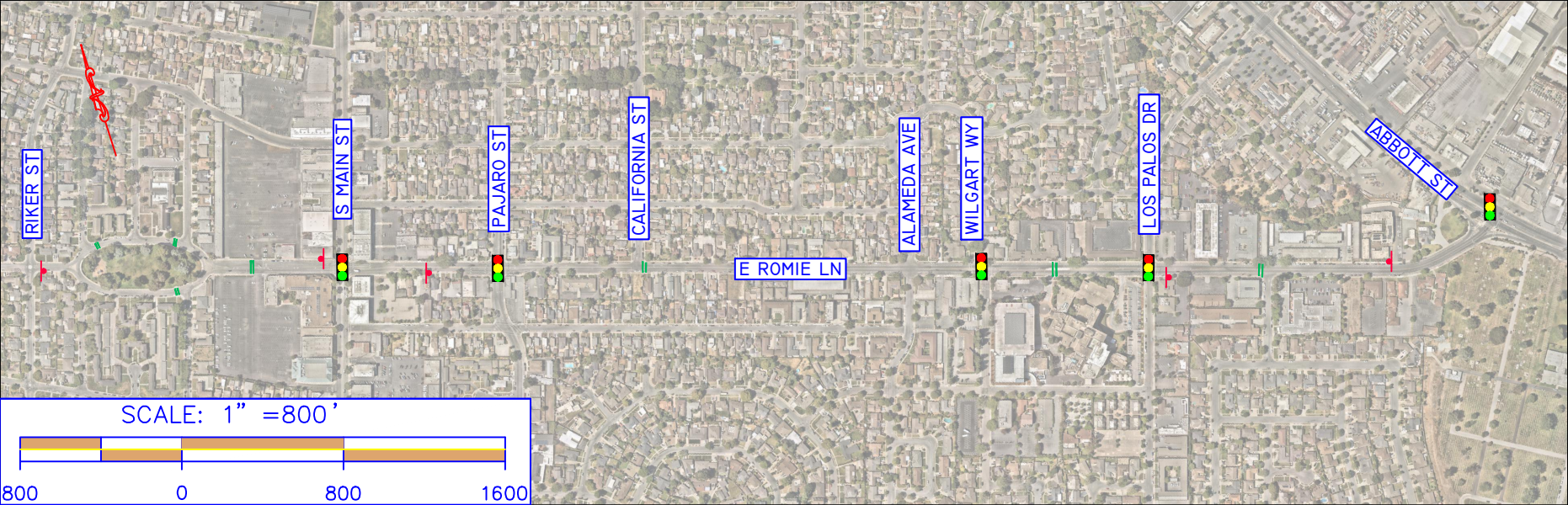
OBSERVER Alejandro M. CALCULATED BY Alejandro M. WEATHER Clear

Direction: <u>N.B.</u>				
MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
66				
65				
64				
63				
62				
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10				

Direction: <u>S.B.</u>				
MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
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111

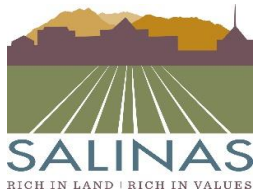
1111



COMMENTS:

This segment of Romie Lane is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes residential homes, retail, office, hospital, and park use. Speed data collected on April 22, 2025, revealed the 85th percentile speed of 35 mph. The 10 mph pace ranges from 26 mph to 35 mph and suggests the 85th percentile is within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 30 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 7,450 Feet	<div> ALL-WAY STOP</div> <div> SIGNAL</div> <div> SPEED LIMIT SIGN</div> <div> CITY LIMITS</div> <div> CROSSWALK</div> <div> SCHOOL CROSSWALK</div>	
Vertical Alignment	Flat		
Street Width	Varies (46 to 62 Feet)		
No. Lanes and Median	4-Lane Minor Arterial		
Proposed Speed Zone	30 MPH		
85th Percentile Speed	35 MPH		
Traffic Volume (Date)	8,168 (2023)		
Accident Data (2 years)	3 Collisions (2022-2023)		
Street Segment Collision Rate = $\frac{\text{Collisions}}{\text{Years}} \cdot \frac{1,000,000}{\text{ADT} \cdot \text{Length in Miles}}$	0.36 Acc./MVM		



CITY OF SALINAS

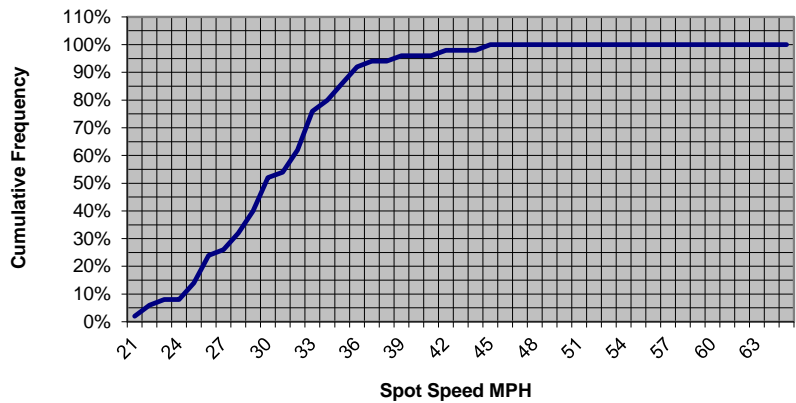
DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

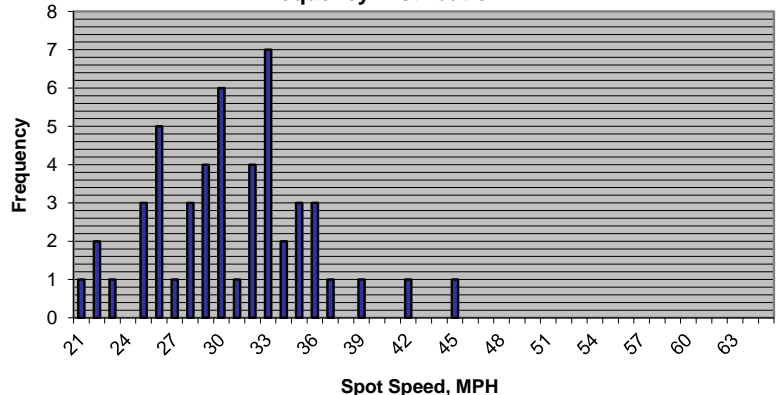
Street:	<u>Romie Lane</u>	Direction:	<u>WBD</u>		Comments:
Between:	<u>Riker Street and Abott Street</u>	No. 45			
Survey Location:	<u>242 E Romie Lane</u>				
Speed Limit:	<u>30</u> MPH				
Date:	<u>04/22/25</u>				
Hours:	From: <u>01:13</u>	To:	<u>01:38</u>		
Weather:	<u>Clear</u>				
Observer(s):	<u>Alejandro M.</u>				

MPH	Frequency	Percent	Cumulative %	
21	1	2.00%	2.00%	Data Analysis:
22	2	4.00%	6.00%	
23	1	2.00%	8.00%	
24	0	0.00%	8.00%	
25	3	6.00%	14.00%	
26	5	10.00%	24.00%	
27	1	2.00%	26.00%	
28	3	6.00%	32.00%	
29	4	8.00%	40.00%	
30	6	12.00%	52.00%	
31	1	2.00%	54.00%	Time Mean Speed: <u>30.7</u> MPH
32	4	8.00%	62.00%	Sample Variance: <u>24.67</u>
33	7	14.00%	76.00%	Standard Deviation: <u>5.0</u>
34	2	4.00%	80.00%	Variance of the Mean: <u>0.4934</u>
35	3	6.00%	86.00%	Standard Error of the Mean: <u>0.7</u>
36	3	6.00%	92.00%	10 MPH Pace: <u>25</u> To: <u>34</u> MPH
37	1	2.00%	94.00%	Percent in Pace: <u>72.0%</u>
38	0	0.00%	94.00%	Vehicles in Pace: <u>36</u>
39	1	2.00%	96.00%	50th Percentile Speed: <u>30</u> MPH
40	0	0.00%	96.00%	85th Percentile Speed: <u>35</u> MPH
41	0	0.00%	96.00%	90th Percentile Speed: <u>36</u> MPH
42	1	2.00%	98.00%	95th Percentile Speed: <u>39</u> MPH
43	0	0.00%	98.00%	
44	0	0.00%	98.00%	
45	1	2.00%	100.00%	
46	0	0.00%	100.00%	
47	0	0.00%	100.00%	
48	0	0.00%	100.00%	
49	0	0.00%	100.00%	
50	0	0.00%	100.00%	
51	0	0.00%	100.00%	
52	0	0.00%	100.00%	
53	0	0.00%	100.00%	
54	0	0.00%	100.00%	
55	0	0.00%	100.00%	
56	0	0.00%	100.00%	
57	0	0.00%	100.00%	
58	0	0.00%	100.00%	
59	0	0.00%	100.00%	
60	0	0.00%	100.00%	
61	0	0.00%	100.00%	
62	0	0.00%	100.00%	
63	0	0.00%	100.00%	
64	0	0.00%	100.00%	
65	0	0.00%	100.00%	
Totals:	50	100.00%		

Cumulative Frequency Distribution



Frequency Distribution





CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	<u>Romie Lane</u>	Direction:	<u>EBD</u>	Comments:		
Between:	<u>Riker Street and Abott Street</u>	No. 45				
Survey Location:	<u>242 E Romie Lane</u>					
Speed Limit:	<u>30</u> MPH					
Date:	<u>04/22/25</u>				Day:	<u>Tuesday</u>
Hours: From:	<u>01:13</u>				To:	<u>01:38</u>
Weather:	<u>Clear</u>					
Observer(s):	<u>Alejandro M.</u>					

MPH	Frequency	Percent	Cumulative %	
21	0	0.00%	0.00%	Data Analysis:
22	1	2.00%	2.00%	
23	2	4.00%	6.00%	
24	1	2.00%	8.00%	
25	0	0.00%	8.00%	
26	2	4.00%	12.00%	
27	1	2.00%	14.00%	
28	6	12.00%	26.00%	
29	3	6.00%	32.00%	
30	7	14.00%	46.00%	
31	6	12.00%	58.00%	Time Mean Speed: <u>31.1</u> MPH
32	5	10.00%	68.00%	Sample Variance: <u>18.43</u>
33	3	6.00%	74.00%	Standard Deviation: <u>4.3</u>
34	3	6.00%	80.00%	Variance of the Mean: <u>0.3686</u>
35	4	8.00%	88.00%	Standard Error of the Mean: <u>0.6</u>
36	1	2.00%	90.00%	10 MPH Pace: <u>26</u> To: <u>35</u> MPH
37	1	2.00%	92.00%	Percent in Pace: <u>80.0%</u>
38	1	2.00%	94.00%	Vehicles in Pace: <u>40</u>
39	1	2.00%	96.00%	50th Percentile Speed: <u>31</u> MPH
40	1	2.00%	98.00%	85th Percentile Speed: <u>35</u> MPH
41	0	0.00%	98.00%	90th Percentile Speed: <u>36</u> MPH
42	0	0.00%	98.00%	95th Percentile Speed: <u>39</u> MPH
43	1	2.00%	100.00%	
44	0	0.00%	100.00%	
45	0	0.00%	100.00%	
46	0	0.00%	100.00%	
47	0	0.00%	100.00%	
48	0	0.00%	100.00%	
49	0	0.00%	100.00%	
50	0	0.00%	100.00%	
51	0	0.00%	100.00%	
52	0	0.00%	100.00%	
53	0	0.00%	100.00%	
54	0	0.00%	100.00%	
55	0	0.00%	100.00%	
56	0	0.00%	100.00%	
57	0	0.00%	100.00%	
58	0	0.00%	100.00%	
59	0	0.00%	100.00%	
60	0	0.00%	100.00%	
61	0	0.00%	100.00%	
62	0	0.00%	100.00%	
63	0	0.00%	100.00%	
64	0	0.00%	100.00%	
65	0	0.00%	100.00%	
Totals:	50	100.00%		

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

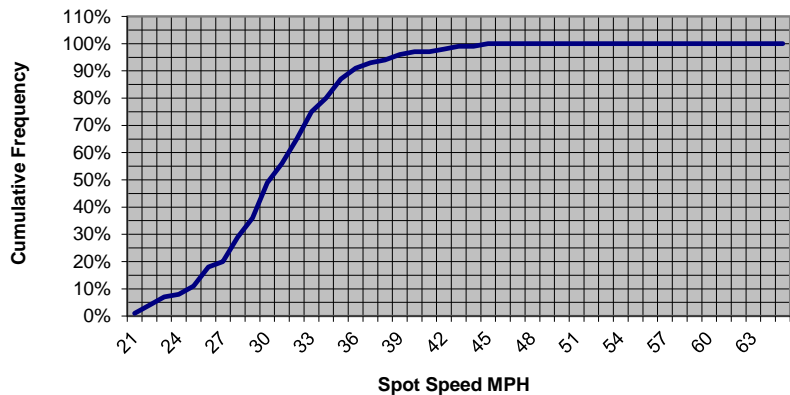
Street:	<u>Romie Lane</u>	Direction:	<u>WBD/EBD</u>		Comments:
Between:	<u>Riker Street and Abott Street</u>	No. 45			
Survey Location:	<u>242 E Romie Lane</u>				
Speed Limit:	<u>30</u> MPH				
Date:	<u>04/22/25</u>				
Hours:	From: <u>01:13</u>	To:	<u>01:38</u>		
Weather:	<u>Clear</u>				
Observer(s):	<u>Alejandro M.</u>				

MPH	Frequency	Percent	Cumulative %
21	1	1.00%	1.00%
22	3	3.00%	4.00%
23	3	3.00%	7.00%
24	1	1.00%	8.00%
25	3	3.00%	11.00%
26	7	7.00%	18.00%
27	2	2.00%	20.00%
28	9	9.00%	29.00%
29	7	7.00%	36.00%
30	13	13.00%	49.00%
31	7	7.00%	56.00%
32	9	9.00%	65.00%
33	10	10.00%	75.00%
34	5	5.00%	80.00%
35	7	7.00%	87.00%
36	4	4.00%	91.00%
37	2	2.00%	93.00%
38	1	1.00%	94.00%
39	2	2.00%	96.00%
40	1	1.00%	97.00%
41	0	0.00%	97.00%
42	1	1.00%	98.00%
43	1	1.00%	99.00%
44	0	0.00%	99.00%
45	1	1.00%	100.00%
46	0	0.00%	100.00%
47	0	0.00%	100.00%
48	0	0.00%	100.00%
49	0	0.00%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%
57	0	0.00%	100.00%
58	0	0.00%	100.00%
59	0	0.00%	100.00%
60	0	0.00%	100.00%
61	0	0.00%	100.00%
62	0	0.00%	100.00%
63	0	0.00%	100.00%
64	0	0.00%	100.00%
65	0	0.00%	100.00%
Totals:	100	100.00%	

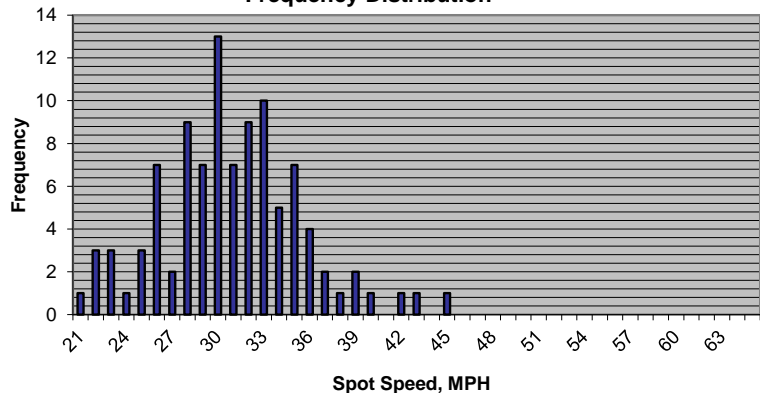
Data Analysis:

Time Mean Speed:	<u>30.9</u>	MPH
Sample Variance:	<u>21.38</u>	
Standard Deviation:	<u>4.6</u>	
Variance of the Mean:	<u>0.2138</u>	
Standard Error of the Mean:	<u>0.5</u>	
10 MPH Pace:	<u>26</u>	To: <u>35</u> MPH
Percent in Pace:	<u>76.0%</u>	
Vehicles in Pace:	<u>76</u>	
50th Percentile Speed:	<u>31</u>	MPH
85th Percentile Speed:	<u>35</u>	MPH
90th Percentile Speed:	<u>36</u>	MPH
95th Percentile Speed:	<u>39</u>	MPH

Cumulative Frequency Distribution



Frequency Distribution



SITE CODE
45

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

LOCATION Ranite Ln. between Riker St. and Abbott St.

DATE 04/22 DAY Tuesday TIME 1:13 TO 1:38

OBSERVER Alejandro M. CALCULATED BY Alejandro M. WEATHER Clear
Approaching








Direction:		E.B.															
MPH	Number of Vehicles																
	5				10				15				20				
70																	
69																	
68																	
67																	
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40	X																
39	X																
38	X																
37	X																
36	X																
35	X	X	X	X													
34	X	X	X														
33	X	X	X														
32	X	X	X	X	X												
31	X	X	X	X	X	X											
30	X	X	X	X	X	X	X										
29	X	X	X														
28	X	X	X	X	X	X											
27	X																
26	X	X															
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24	X																
23	X	X															
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Direction:		W.B.																			
MPH	Number of Vehicles																				
	5				10				15				20								
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37	X																				
36	X	X	X																		
35	X	X	X	X																	
34	X	X																			
33	X	X	X	X	X	X	X	X													
32	X	X	X	X	X	X	X	X													
31	X																				
30	X	X	X	X	X	X	X	X													
29	X	X	X	X	X																
28	X	X	X	X																	
27	X																				
26	X	X	X	X	X	X															
25	X	X	X	X																	
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COMMENTS:

This segment of Natividad Road is classified as a major arterial in the City of Salinas General Plan. The surrounding land use includes fronting and backing residential homes and commercial businesses. Speed data collected on May 28, 2025, revealed the 85th percentile speed of 39 mph. The 10 mph pace ranges from 28 mph to 37 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded up, the existing posted speed limit of 40 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 2,450 Feet	<div><div> ALL-WAY STOP</div><div> SIGNAL</div><div> SPEED LIMIT SIGN</div><div> CITY LIMITS</div><div> CROSSWALK</div><div> SCHOOL CROSSWALK</div></div>	
Vertical Alignment	Flat		
Street Width	Varies (50 to 88 Feet)		
No. Lanes and Median	4-Lane Major Arterial		
Proposed Speed Zone	40 MPH		
85th Percentile Speed	39 MPH		
Traffic Volume (Date)	37,082 (2025)		
Accident Data (2 years)	9 Collisions (2022-2023)		
Street Segment Collision Rate = $\frac{\text{Collisions}}{\text{Years}} \frac{1,000,000}{\text{ADT}} \frac{1}{\text{Length in Miles}}$	0.72 Acc./MVM		



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	<u>Natividad Road</u>	Direction:	<u>NBD</u>	Comments:
Between:	<u>E Bernal Dr & E Laurel Dr</u>	No. 47		
Survey Location:	<u>1 Lunsford Dr</u>			
Speed Limit:	<u>40</u> MPH			
Date:	<u>05/28/25</u>			
Hours:	From: <u>01:55</u>	To:	<u>02:28</u>	
Weather:	<u>Cloudy</u>			
Observer(s):	<u>Rodolfo C</u>			

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	0	0.00%	0.00%	
19	0	0.00%	0.00%	
20	0	0.00%	0.00%	
21	0	0.00%	0.00%	
22	0	0.00%	0.00%	
23	0	0.00%	0.00%	
24	0	0.00%	0.00%	
25	0	0.00%	0.00%	
26	0	0.00%	0.00%	
27	0	0.00%	0.00%	
28	1	2.00%	2.00%	
29	0	0.00%	2.00%	
30	2	4.00%	6.00%	
31	5	10.00%	16.00%	
32	4	8.00%	24.00%	
33	5	10.00%	34.00%	
34	1	2.00%	36.00%	
35	6	12.00%	48.00%	
36	5	10.00%	58.00%	
37	4	8.00%	66.00%	
38	2	4.00%	70.00%	
39	2	4.00%	74.00%	
40	5	10.00%	84.00%	
41	2	4.00%	88.00%	
42	2	4.00%	92.00%	
43	0	0.00%	92.00%	
44	1	2.00%	94.00%	
45	2	4.00%	98.00%	
46	0	0.00%	98.00%	
47	1	2.00%	100.00%	
48	0	0.00%	100.00%	
49	0	0.00%	100.00%	
50	0	0.00%	100.00%	
51	0	0.00%	100.00%	
52	0	0.00%	100.00%	
53	0	0.00%	100.00%	
54	0	0.00%	100.00%	
Totals:	50	100.00%		

Data Analysis:

Time Mean Speed:	36.2	MPH
Sample Variance:	19.54	
Standard Deviation:	4.4	
Variance of the Mean:	0.3908	
Standard Error of the Mean:	0.6	
10 MPH Pace:	31	To: 40 MPH
Percent in Pace:	78.0%	
Vehicles in Pace:	39	
50th Percentile Speed:	36	MPH
85th Percentile Speed:	41	MPH
90th Percentile Speed:	42	MPH
95th Percentile Speed:	45	MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

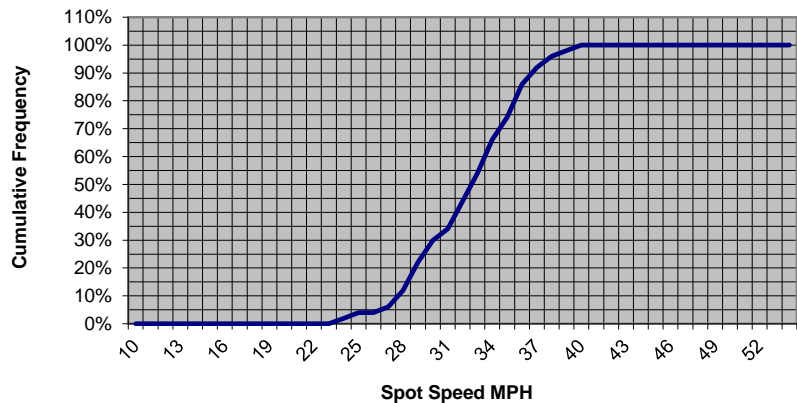
DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

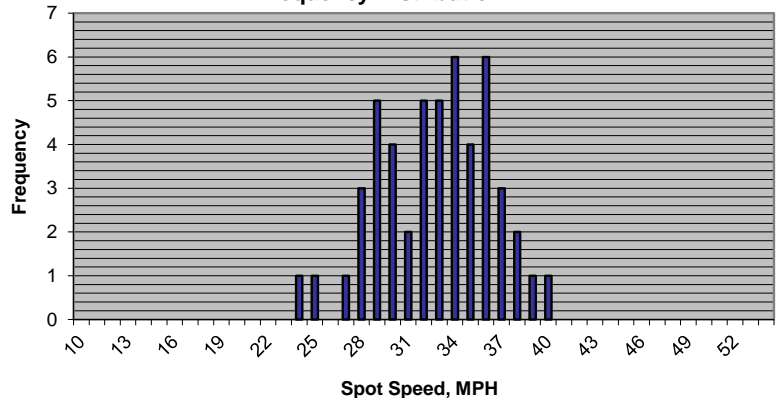
Street:	<u>Natividad Road</u>	Direction:	<u>SBD</u>	Comments:
Between:	<u>E Bernal Dr & E Laurel Dr</u>	No. 47		
Survey Location:	<u>1 Lunsford Dr</u>			
Speed Limit:	<u>40</u> MPH			
Date:	<u>05/28/25</u>			
Hours:	From: <u>01:55</u>	To:	<u>02:28</u>	
Weather:	<u>Cloudy</u>			
Observer(s):	<u>Rodolfo C</u>			

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	Data Analysis:
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	0	0.00%	0.00%	
19	0	0.00%	0.00%	
20	0	0.00%	0.00%	Time Mean Speed: <u>32.8</u> MPH
21	0	0.00%	0.00%	Sample Variance: <u>13.08</u>
22	0	0.00%	0.00%	Standard Deviation: <u>3.6</u>
23	0	0.00%	0.00%	Variance of the Mean: <u>0.2616</u>
24	1	2.00%	2.00%	Standard Error of the Mean: <u>0.5</u>
25	1	2.00%	4.00%	10 MPH Pace: <u>28</u> To: <u>37</u> MPH
26	0	0.00%	4.00%	Percent in Pace: <u>86.0%</u>
27	1	2.00%	6.00%	Vehicles in Pace: <u>43</u>
28	3	6.00%	12.00%	50th Percentile Speed: <u>33</u> MPH
29	5	10.00%	22.00%	85th Percentile Speed: <u>36</u> MPH
30	4	8.00%	30.00%	90th Percentile Speed: <u>37</u> MPH
31	2	4.00%	34.00%	95th Percentile Speed: <u>38</u> MPH
32	5	10.00%	44.00%	
33	5	10.00%	54.00%	
34	6	12.00%	66.00%	
35	4	8.00%	74.00%	
36	6	12.00%	86.00%	
37	3	6.00%	92.00%	
38	2	4.00%	96.00%	
39	1	2.00%	98.00%	
40	1	2.00%	100.00%	
41	0	0.00%	100.00%	
42	0	0.00%	100.00%	
43	0	0.00%	100.00%	
44	0	0.00%	100.00%	
45	0	0.00%	100.00%	
46	0	0.00%	100.00%	
47	0	0.00%	100.00%	
48	0	0.00%	100.00%	
49	0	0.00%	100.00%	
50	0	0.00%	100.00%	
51	0	0.00%	100.00%	
52	0	0.00%	100.00%	
53	0	0.00%	100.00%	
54	0	0.00%	100.00%	
Totals:	50	100.00%		

Cumulative Frequency Distribution



Frequency Distribution





CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Natividad Road	Direction:	NBD/SBD	No. 47	Comments:
Between:	E Bernal Dr & E Laurel Dr				
Survey Location:	1 Lunsford Dr				
Speed Limit:	40 MPH				
Date:	05/28/25	Day:	Wednesday		
Hours:	From: 01:55	To:	02:28		
Weather:	Cloudy				
Observer(s):	Rodolfo C				

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	0	0.00%	0.00%	
19	0	0.00%	0.00%	
20	0	0.00%	0.00%	
21	0	0.00%	0.00%	
22	0	0.00%	0.00%	
23	0	0.00%	0.00%	
24	1	1.00%	1.00%	
25	1	1.00%	2.00%	
26	0	0.00%	2.00%	
27	1	1.00%	3.00%	
28	4	4.00%	7.00%	
29	5	5.00%	12.00%	
30	6	6.00%	18.00%	
31	7	7.00%	25.00%	
32	9	9.00%	34.00%	
33	10	10.00%	44.00%	
34	7	7.00%	51.00%	
35	10	10.00%	61.00%	
36	11	11.00%	72.00%	
37	7	7.00%	79.00%	
38	4	4.00%	83.00%	
39	3	3.00%	86.00%	
40	6	6.00%	92.00%	
41	2	2.00%	94.00%	
42	2	2.00%	96.00%	
43	0	0.00%	96.00%	
44	1	1.00%	97.00%	
45	2	2.00%	99.00%	
46	0	0.00%	99.00%	
47	1	1.00%	100.00%	
48	0	0.00%	100.00%	
49	0	0.00%	100.00%	
50	0	0.00%	100.00%	
51	0	0.00%	100.00%	
52	0	0.00%	100.00%	
53	0	0.00%	100.00%	
54	0	0.00%	100.00%	
Totals:	100	100.00%		

Data Analysis:

Time Mean Speed:	34.5	MPH
Sample Variance:	19.10	
Standard Deviation:	4.4	
Variance of the Mean:	0.1910	
Standard Error of the Mean:	0.4	
10 MPH Pace:	28	To: 37 MPH
Percent in Pace:	76.0%	
Vehicles in Pace:	76	
50th Percentile Speed:	34	MPH
85th Percentile Speed:	39	MPH
90th Percentile Speed:	40	MPH
95th Percentile Speed:	42	MPH

Cumulative Frequency Distribution

Frequency Distribution

SITE CODE
417

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

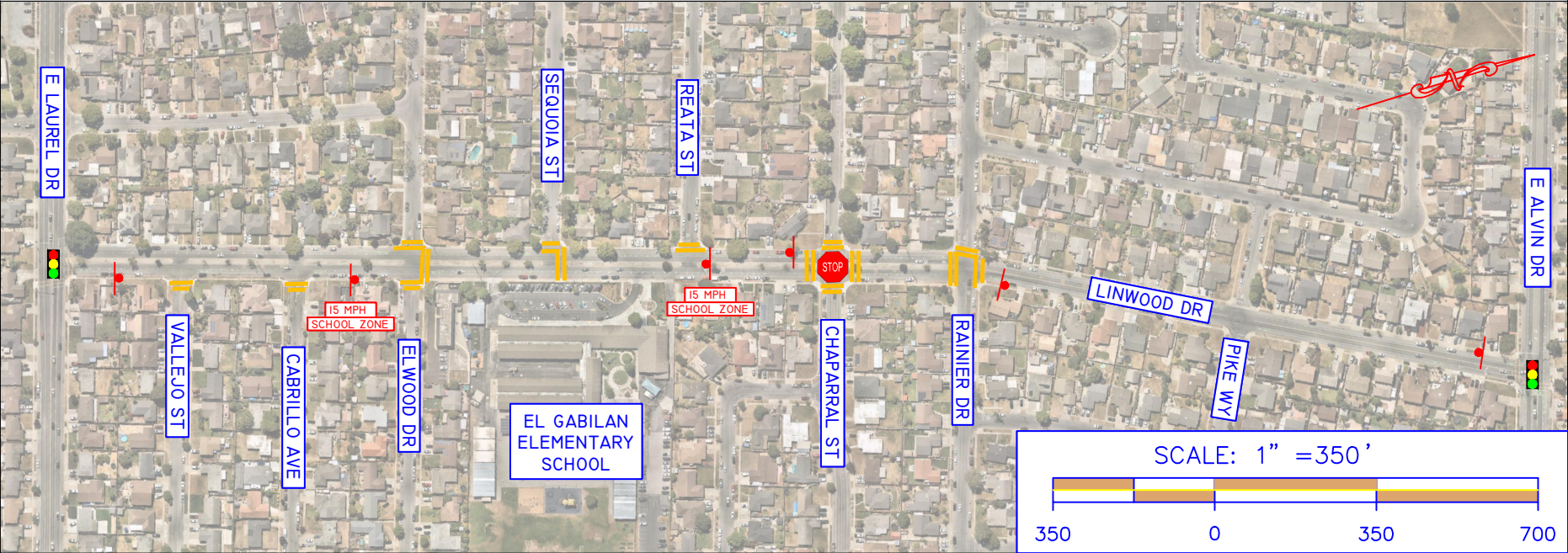
LOCATION Natividad Rd. between E. Bernal Dr. and E. Laurel Dr.
 DATE 05/28 DAY Wednesday TIME 1:55 TO 2:28
 OBSERVER Rodolfo C CALCULATED BY Rodolfo C WEATHER Cloudy

Direction: N.B. AWAY				
MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
66				
65				
64				
63				
62				
61				
60				
59				
58				
57				
56				
55				
54				
53				
52				
51				
50				
49				
48				
47	X			
46	X			
45	X			
44	X			
43	X			
42	X			
41	X			
40	X	X		
39	X	X		
38	X	X		
37	X	X		
36	X	X		
35	X	X		
34	X	X		
33	X	X		
32	X	X		
31	X	X		
30	X	X		
29				
28	X			
27				
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11				
10				

||||








Direction: S.B. CLOSE				
MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
66				
65				
64				
63				
62				
61				
60				
59				
58				
57				
56				
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49				
48				
47				
46				
45				
44				
43				
42				
41				
40	X			
39	X			
38	X			
37	X			
36	X	X		
35	X	X		
34	X	X		
33	X	X		
32	X	X		
31	X	X		
30	X	X		
29	X	X		
28	X	X		
27	X			
26				
25	X			
24	X			
23				
22				
21				
20				
19				
18				
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16				
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13				
12				
11				
10				

||||



COMMENTS:

This segment of Linwood Drive is classified as collector in the City of Salinas General Plan. The surrounding land use includes fronting residential homes and a school. Speed data collected April 23, 2025 revealed the 85th percentile speed of 34 mph. The 10 mph pace ranges from 27 mph to 36 mph and suggests the 85th percentile is within this range. Based on the surrounding land use, the 10 mph pace range, the prevailing speeds rounded up and reduced by 5 mph per MUTCD option 2, and following the implementation of Assembly Bill No. 43, authorizing local authority to further reduce speed limits by 5 mph if the roadway is adjacent to high concentration of bicyclists and pedestrians, the existing posted speed limit of 25 mph should be established.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 3,250 Feet	<div> ALL-WAY STOP</div> <div> SIGNAL</div> <div> SPEED LIMIT SIGN</div> <div> CITY LIMITS</div> <div> CROSSWALK</div> <div> SCHOOL CROSSWALK</div>	
Vertical Alignment	Flat		
Street Width	Varies (43 to 63 Feet)		
No. Lanes and Median	2-Lane Collector		
Proposed Speed Zone	25 MPH		
85th Percentile Speed	34 MPH		
Traffic Volume (Date)	5,739 (2025)		
Accident Data (2 years)	10 Collisions (2022-2023)		
Street Segment Collision Rate = $\frac{\text{Collisions}}{\text{Years}} \times \frac{1,000,000}{\text{ADT} \times \text{Length in Miles}}$	3.88 Acc./MVM		



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Linwood Drive	Direction:	NBD		
Between:	E. Laurel Drive & E. Alvin Drive	No. 55 Comments:			
Survey Location:	1434 Linwood Drive				
Speed Limit:	25 MPH				
Date:	04/23/25				
Hours:	From: 04:16	To:	04:32		
Weather:	Sunny				
Observer(s):	Sean L. & Eva H.				

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	0	0.00%	0.00%	
19	0	0.00%	0.00%	
20	0	0.00%	0.00%	
21	0	0.00%	0.00%	
22	0	0.00%	0.00%	
23	1	2.00%	2.00%	
24	3	6.00%	8.00%	
25	1	2.00%	10.00%	
26	1	2.00%	12.00%	
27	7	14.00%	26.00%	
28	9	18.00%	44.00%	
29	2	4.00%	48.00%	
30	6	12.00%	60.00%	
31	5	10.00%	70.00%	
32	4	8.00%	78.00%	
33	2	4.00%	82.00%	
34	3	6.00%	88.00%	
35	2	4.00%	92.00%	
36	4	8.00%	100.00%	
37	0	0.00%	100.00%	
38	0	0.00%	100.00%	
39	0	0.00%	100.00%	
40	0	0.00%	100.00%	
41	0	0.00%	100.00%	
42	0	0.00%	100.00%	
43	0	0.00%	100.00%	
44	0	0.00%	100.00%	
45	0	0.00%	100.00%	
46	0	0.00%	100.00%	
47	0	0.00%	100.00%	
48	0	0.00%	100.00%	
49	0	0.00%	100.00%	
50	0	0.00%	100.00%	
51	0	0.00%	100.00%	
52	0	0.00%	100.00%	
53	0	0.00%	100.00%	
54	0	0.00%	100.00%	
Totals:	50	100.00%		

Data Analysis:

Time Mean Speed:	29.8	MPH
Sample Variance:	11.80	
Standard Deviation:	3.4	
Variance of the Mean:	0.2360	
Standard Error of the Mean:	0.5	
10 MPH Pace:	27	To: 36 MPH
Percent in Pace:	88.0%	
Vehicles in Pace:	44	
50th Percentile Speed:	30	MPH
85th Percentile Speed:	34	MPH
90th Percentile Speed:	35	MPH
95th Percentile Speed:	36	MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Linwood Drive	Direction:	SBD	Comments:
Between:	E. Laurel Drive & E. Alvin Drive	No. 55		
Survey Location:	1434 Linwood Drive			
Speed Limit:	25 MPH			
Date:	04/23/25			
Hours:	From: 04:16	To:	04:32	
Weather:	Sunny			
Observer(s):	Sean L. & Eva H.			

MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%		
11	0	0.00%	0.00%	Time Mean Speed:	29.7 MPH
12	0	0.00%	0.00%	Sample Variance:	12.07
13	0	0.00%	0.00%	Standard Deviation:	3.5
14	0	0.00%	0.00%	Variance of the Mean:	0.2414
15	0	0.00%	0.00%	Standard Error of the Mean:	0.5
16	0	0.00%	0.00%	10 MPH Pace:	25 To: 34 MPH
17	0	0.00%	0.00%	Percent in Pace:	82.0%
18	0	0.00%	0.00%	Vehicles in Pace:	41
19	0	0.00%	0.00%	50th Percentile Speed:	29 MPH
20	0	0.00%	0.00%	85th Percentile Speed:	34 MPH
21	0	0.00%	0.00%	90th Percentile Speed:	35 MPH
22	0	0.00%	0.00%	95th Percentile Speed:	35 MPH
23	0	0.00%	0.00%	<div style="text-align: center;">Cumulative Frequency Distribution</div>	
24	3	6.00%	6.00%		
25	5	10.00%	16.00%		
26	2	4.00%	20.00%		
27	2	4.00%	24.00%		
28	9	18.00%	42.00%		
29	4	8.00%	50.00%		
30	4	8.00%	58.00%		
31	6	12.00%	70.00%		
32	3	6.00%	76.00%		
33	2	4.00%	80.00%	<div style="text-align: center;">Frequency Distribution</div>	
34	4	8.00%	88.00%		
35	4	8.00%	96.00%		
36	2	4.00%	100.00%		
37	0	0.00%	100.00%		
38	0	0.00%	100.00%		
39	0	0.00%	100.00%		
40	0	0.00%	100.00%		
41	0	0.00%	100.00%		
42	0	0.00%	100.00%		
43	0	0.00%	100.00%		
44	0	0.00%	100.00%		
45	0	0.00%	100.00%		
46	0	0.00%	100.00%		
47	0	0.00%	100.00%		
48	0	0.00%	100.00%		
49	0	0.00%	100.00%		
50	0	0.00%	100.00%		
51	0	0.00%	100.00%		
52	0	0.00%	100.00%		
53	0	0.00%	100.00%		
54	0	0.00%	100.00%		
Totals:	50	100.00%			



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

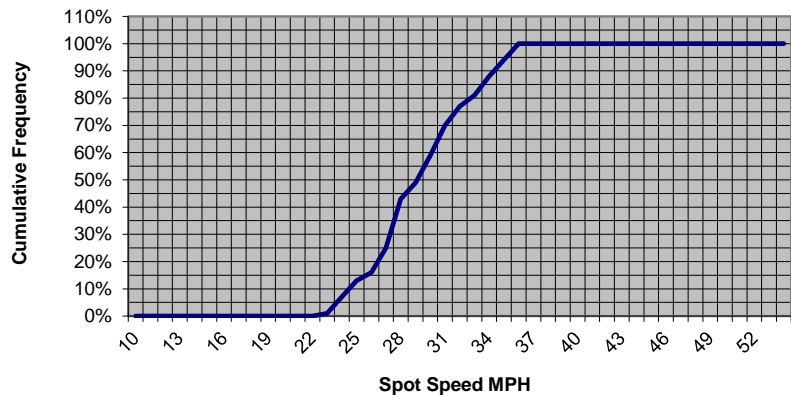
Street:	Linwood Drive	Direction:	NBD/SBD		Comments:
Between:	E. Laurel Drive & E. Alvin Drive	No. 55			
Survey Location:	1434 Linwood Drive				
Speed Limit:	25 MPH				
Date:	04/23/25				
Hours:	From: 04:16	To:	04:32		
Weather:	Sunny				
Observer(s):	Sean L. & Eva H.				

MPH	Frequency	Percent	Cumulative %
10	0	0.00%	0.00%
11	0	0.00%	0.00%
12	0	0.00%	0.00%
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	0	0.00%	0.00%
19	0	0.00%	0.00%
20	0	0.00%	0.00%
21	0	0.00%	0.00%
22	0	0.00%	0.00%
23	1	1.00%	1.00%
24	6	6.00%	7.00%
25	6	6.00%	13.00%
26	3	3.00%	16.00%
27	9	9.00%	25.00%
28	18	18.00%	43.00%
29	6	6.00%	49.00%
30	10	10.00%	59.00%
31	11	11.00%	70.00%
32	7	7.00%	77.00%
33	4	4.00%	81.00%
34	7	7.00%	88.00%
35	6	6.00%	94.00%
36	6	6.00%	100.00%
37	0	0.00%	100.00%
38	0	0.00%	100.00%
39	0	0.00%	100.00%
40	0	0.00%	100.00%
41	0	0.00%	100.00%
42	0	0.00%	100.00%
43	0	0.00%	100.00%
44	0	0.00%	100.00%
45	0	0.00%	100.00%
46	0	0.00%	100.00%
47	0	0.00%	100.00%
48	0	0.00%	100.00%
49	0	0.00%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
Totals:	100	100.00%	

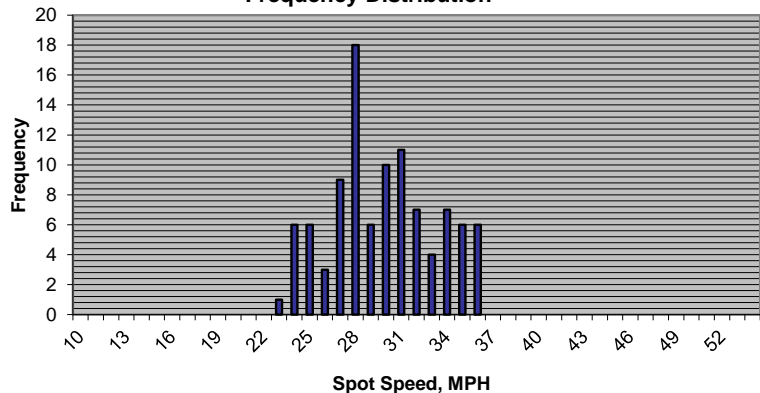
Data Analysis:

Time Mean Speed:	29.8	MPH
Sample Variance:	11.82	
Standard Deviation:	3.4	
Variance of the Mean:	0.1182	
Standard Error of the Mean:	0.3	
10 MPH Pace:	27	To: 36 MPH
Percent in Pace:	84.0%	
Vehicles in Pace:	84	
50th Percentile Speed:	30	MPH
85th Percentile Speed:	34	MPH
90th Percentile Speed:	35	MPH
95th Percentile Speed:	36	MPH

Cumulative Frequency Distribution



Frequency Distribution



SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE

55

LOCATION

Linwood Dr. between E. Laurel Dr. and E. Alvin Dr.

DATE

04/23/25 DAY WEDNESDAY

TIME

4:16 TO 4:32

OBSERVER

SEAN L.

CALCULATED BY

WEATHER

Sunny

Direction:

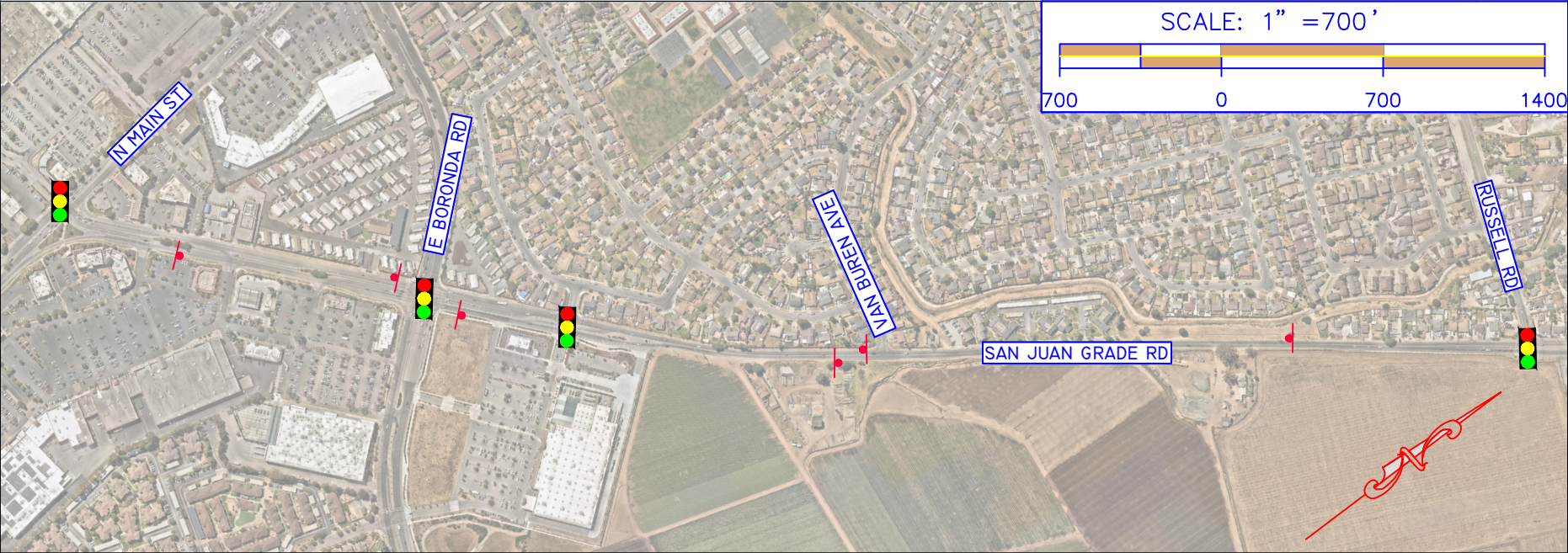
N.B.

MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
66				
65				
64				
63				
62				
61				
60				
59				
58				
57				
56				
55				
54				
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23				
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19				
18				
17				
16				
15				
14				
13				
12				
11				
10				

Direction:








S.B.

MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
66				
65				
64				
63				
62				
61				
60				
59				
58				
57				
56				
55				
54				
53				
52				
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11				
10				



COMMENTS:

This segment of San Juan Grade Road is classified as a major arterial in the City of Salinas General Plan. The surrounding land use includes backing and fronting residential homes, retail, office, and agricultural use. Speed data collected on April 8, 2025, revealed the 85th percentile speed of 49 mph. The 10 mph pace ranges from 37 mph to 46 mph and suggests that the 85th percentile is above this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded up and reduced by 5 mph per MUTCD option 2, the existing posted speed limit of 45 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 6,450 Feet	<div> ALL-WAY STOP</div> <div> SIGNAL</div> <div> SPEED LIMIT SIGN</div> <div> CITY LIMITS</div> <div> CROSSWALK</div> <div> SCHOOL CROSSWALK</div>	
Vertical Alignment	Flat		
Street Width	Varies (40 to 80 Feet)		
No. Lanes and Median	2/4-Lane Major Arterial		
Proposed Speed Zone	45 MPH		
85th Percentile Speed	49 MPH		
Traffic Volume (Date)	7,400 (2024)		
Accident Data (2 years)	8 Collisions (2022-2023)		
Street Segment Collision Rate = $\frac{\text{Collisions}}{\text{Years}} \times \frac{1,000,000}{\text{ADT} \times \text{Length in Miles}}$	1.21 Acc./MVM		



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	San Juan Grade Road	Direction:	NBD	Comments:
Between:	N. Main Street and Russel Road	No. 63		
Survey Location:	San Juan Grade @ Van Buren Ave			
Speed Limit:	45 MPH			
Date:	04/08/25			
Hours:	From: 02:52	To:	03:27	
Weather:	Clear			
Observer(s):	Alejandro M.			

MPH	Frequency	Percent	Cumulative %	
30	0	0.00%	0.00%	
31	0	0.00%	0.00%	
32	1	2.00%	2.00%	
33	0	0.00%	2.00%	
34	0	0.00%	2.00%	
35	1	2.00%	4.00%	
36	3	6.00%	10.00%	
37	1	2.00%	12.00%	
38	4	8.00%	20.00%	
39	0	0.00%	20.00%	
40	2	4.00%	24.00%	
41	1	2.00%	26.00%	
42	3	6.00%	32.00%	
43	5	10.00%	42.00%	
44	5	10.00%	52.00%	
45	2	4.00%	56.00%	
46	6	12.00%	68.00%	
47	2	4.00%	72.00%	
48	2	4.00%	76.00%	
49	2	4.00%	80.00%	
50	2	4.00%	84.00%	
51	1	2.00%	86.00%	
52	2	4.00%	90.00%	
53	1	2.00%	92.00%	
54	1	2.00%	94.00%	
55	1	2.00%	96.00%	
56	1	2.00%	98.00%	
57	0	0.00%	98.00%	
58	0	0.00%	98.00%	
59	0	0.00%	98.00%	
60	0	0.00%	98.00%	
61	0	0.00%	98.00%	
62	0	0.00%	98.00%	
63	0	0.00%	98.00%	
64	0	0.00%	98.00%	
65	0	0.00%	98.00%	
66	0	0.00%	98.00%	
67	0	0.00%	98.00%	
68	0	0.00%	98.00%	
69	0	0.00%	98.00%	
70	1	2.00%	100.00%	
71	0	0.00%	100.00%	
72	0	0.00%	100.00%	
73	0	0.00%	100.00%	
74	0	0.00%	100.00%	
Totals:	50	100.00%		

Data Analysis:

Time Mean Speed:	44.9	MPH
Sample Variance:	43.43	
Standard Deviation:	6.6	
Variance of the Mean:	0.8686	
Standard Error of the Mean:	0.9	
10 MPH Pace:	38	To: 47 MPH
Percent in Pace:	60.0%	
Vehicles in Pace:	30	
50th Percentile Speed:	44	MPH
85th Percentile Speed:	51	MPH
90th Percentile Speed:	52	MPH
95th Percentile Speed:	55	MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	San Juan Grade Road	Direction:	SBD	Comments:
Between:	N. Main Street and Russel Road	No. 63		
Survey Location:	San Juan Grade @ Van Buren Ave			
Speed Limit:	45 MPH			
Date:	04/08/25			
Hours:	From: 02:52	To:	03:27	
Weather:	Clear			
Observer(s):	Alejandro M.			

MPH	Frequency	Percent	Cumulative %	
30	1	2.00%	2.00%	Data Analysis:
31	0	0.00%	2.00%	
32	0	0.00%	2.00%	
33	0	0.00%	2.00%	
34	1	2.00%	4.00%	
35	1	2.00%	6.00%	
36	1	2.00%	8.00%	
37	3	6.00%	14.00%	
38	1	2.00%	16.00%	
39	5	10.00%	26.00%	
40	2	4.00%	30.00%	Time Mean Speed: 43.6 MPH
41	2	4.00%	34.00%	Sample Variance: 30.77
42	1	2.00%	36.00%	Standard Deviation: 5.5
43	6	12.00%	48.00%	Variance of the Mean: 0.6154
44	6	12.00%	60.00%	Standard Error of the Mean: 0.8
45	2	4.00%	64.00%	10 MPH Pace: 37 To: 46 MPH
46	5	10.00%	74.00%	Percent in Pace: 66.0%
47	0	0.00%	74.00%	Vehicles in Pace: 33
48	4	8.00%	82.00%	50th Percentile Speed: 44 MPH
49	4	8.00%	90.00%	85th Percentile Speed: 49 MPH
50	1	2.00%	92.00%	90th Percentile Speed: 49 MPH
51	0	0.00%	92.00%	95th Percentile Speed: 52 MPH
52	2	4.00%	96.00%	
53	0	0.00%	96.00%	
54	1	2.00%	98.00%	
55	0	0.00%	98.00%	
56	0	0.00%	98.00%	
57	0	0.00%	98.00%	
58	0	0.00%	98.00%	
59	0	0.00%	98.00%	
60	1	2.00%	100.00%	
61	0	0.00%	100.00%	
62	0	0.00%	100.00%	
63	0	0.00%	100.00%	
64	0	0.00%	100.00%	
65	0	0.00%	100.00%	
66	0	0.00%	100.00%	
67	0	0.00%	100.00%	
68	0	0.00%	100.00%	
69	0	0.00%	100.00%	
70	0	0.00%	100.00%	
71	0	0.00%	100.00%	
72	0	0.00%	100.00%	
73	0	0.00%	100.00%	
74	0	0.00%	100.00%	
Totals:	50	100.00%		

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	San Juan Grade Road	Direction:	NBD/SBD		Comments:
Between:	N. Main Street and Russel Road	No. 63			
Survey Location:	San Juan Grade @ Van Buren Ave				
Speed Limit:	45 MPH				
Date:	04/08/25				
Hours:	From: 02:52	To:	03:27		
Weather:	Clear				
Observer(s):	Alejandro M.				

MPH	Frequency	Percent	Cumulative %	
30	1	1.00%	1.00%	Data Analysis:
31	0	0.00%	1.00%	
32	1	1.00%	2.00%	
33	0	0.00%	2.00%	
34	1	1.00%	3.00%	
35	2	2.00%	5.00%	
36	4	4.00%	9.00%	
37	4	4.00%	13.00%	
38	5	5.00%	18.00%	
39	5	5.00%	23.00%	
40	4	4.00%	27.00%	Time Mean Speed: 44.2 MPH
41	3	3.00%	30.00%	Sample Variance: 37.11
42	4	4.00%	34.00%	Standard Deviation: 6.1
43	11	11.00%	45.00%	Variance of the Mean: 0.3711
44	11	11.00%	56.00%	Standard Error of the Mean: 0.6
45	4	4.00%	60.00%	10 MPH Pace: 37 To: 46 MPH
46	11	11.00%	71.00%	Percent in Pace: 62.0%
47	2	2.00%	73.00%	Vehicles in Pace: 62
48	6	6.00%	79.00%	50th Percentile Speed: 44 MPH
49	6	6.00%	85.00%	85th Percentile Speed: 49 MPH
50	3	3.00%	88.00%	90th Percentile Speed: 52 MPH
51	1	1.00%	89.00%	95th Percentile Speed: 54 MPH
52	4	4.00%	93.00%	
53	1	1.00%	94.00%	
54	2	2.00%	96.00%	
55	1	1.00%	97.00%	
56	1	1.00%	98.00%	
57	0	0.00%	98.00%	
58	0	0.00%	98.00%	
59	0	0.00%	98.00%	
60	1	1.00%	99.00%	
61	0	0.00%	99.00%	
62	0	0.00%	99.00%	
63	0	0.00%	99.00%	
64	0	0.00%	99.00%	
65	0	0.00%	99.00%	
66	0	0.00%	99.00%	
67	0	0.00%	99.00%	
68	0	0.00%	99.00%	
69	0	0.00%	99.00%	
70	1	1.00%	100.00%	
71	0	0.00%	100.00%	
72	0	0.00%	100.00%	
73	0	0.00%	100.00%	
74	0	0.00%	100.00%	
Totals:	100	100.00%		

Cumulative Frequency Distribution

Frequency Distribution

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE

63

LOCATION San Juan Grade Rd. between N. Main St. and Russell Rd.

DATE 4/8/25 DAY Tuesday

TIME 2:52 TO 3:27

OBSERVER Alejandro M. CALCULATED BY Alejandro M. WEATHER Clear

Direction: E.B. N.B.

MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
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Direction: W.B. S.B.

MPH	Number of Vehicles			
	5	10	15	20
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COMMENTS:

This segment of Navajo Drive is classified as a collector in the City of Salinas General Plan. The surrounding land use includes fronting residential homes and retail use. Speed data collected on April 18, 2025, revealed the 85th percentile speed of 31 mph. The 10 mph pace ranges from 23 mph to 32 mph and suggests the 85th percentile is within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speed rounded down and reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 25 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 3,400 Feet	<div> ALL-WAY STOP</div> <div> SIGNAL</div> <div> SPEED LIMIT SIGN</div> <div> CITY LIMITS</div> <div> CROSSWALK</div> <div> SCHOOL CROSSWALK</div>	
Vertical Alignment	Flat		
Street Width	Varies (34 to 40 Feet)		
No. Lanes and Median	2-Lane Collector		
Proposed Speed Zone	25 MPH		
85th Percentile Speed	31 MPH		
Traffic Volume (Date)	1,511 (2024)		
Accident Data (2 years)	4 Collisions (2022-2023)		
Street Segment Collision Rate = $\frac{\text{Collisions}}{\text{Years}} \times \frac{1,000,000}{\text{ADT} \times \text{Length in Miles}}$	5.58 Acc./MVM		



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Navajo Drive	Direction:	WBD		
Between:	Adams Street & N Main Street	Comments: No. 109			
Survey Location:	N First Street btwn Mohawk Avenue				
Speed Limit:	25 MPH				
Date:	04/18/25				
Hours:	From: 04:00	To:	04:48		
Weather:	Sunny				
Observer(s):	Sean L. & Eva H.				

MPH	Frequency	Percent	Cumulative %	Data Analysis:			
10	0	0.00%	0.00%	<div>Time Mean Speed: 26.9 MPH</div> <div>Sample Variance: 11.05</div> <div>Standard Deviation: 3.3</div> <div>Variance of the Mean: 0.2210</div> <div>Standard Error of the Mean: 0.5</div> <div>10 MPH Pace: 22 To: 31 MPH</div> <div>Percent in Pace: 88.0%</div> <div>Vehicles in Pace: 44</div> <div>50th Percentile Speed: 27 MPH</div> <div>85th Percentile Speed: 31 MPH</div> <div>90th Percentile Speed: 31 MPH</div> <div>95th Percentile Speed: 32 MPH</div>			
11	0	0.00%	0.00%				
12	0	0.00%	0.00%				
13	0	0.00%	0.00%				
14	0	0.00%	0.00%				
15	0	0.00%	0.00%				
16	0	0.00%	0.00%				
17	0	0.00%	0.00%				
18	0	0.00%	0.00%				
19	0	0.00%	0.00%				
20	0	0.00%	0.00%				
21	2	4.00%	4.00%				
22	3	6.00%	10.00%				
23	4	8.00%	18.00%				
24	5	10.00%	28.00%				
25	6	12.00%	40.00%				
26	3	6.00%	46.00%				
27	3	6.00%	52.00%				
28	6	12.00%	64.00%				
29	6	12.00%	76.00%				
30	3	6.00%	82.00%				
31	5	10.00%	92.00%				
32	2	4.00%	96.00%				
33	2	4.00%	100.00%				
34	0	0.00%	100.00%				
35	0	0.00%	100.00%				
36	0	0.00%	100.00%				
37	0	0.00%	100.00%				
38	0	0.00%	100.00%				
39	0	0.00%	100.00%				
40	0	0.00%	100.00%				
41	0	0.00%	100.00%				
42	0	0.00%	100.00%				
43	0	0.00%	100.00%				
44	0	0.00%	100.00%				
45	0	0.00%	100.00%				
46	0	0.00%	100.00%				
47	0	0.00%	100.00%				
48	0	0.00%	100.00%				
49	0	0.00%	100.00%				
50	0	0.00%	100.00%				
51	0	0.00%	100.00%				
52	0	0.00%	100.00%				
53	0	0.00%	100.00%				
54	0	0.00%	100.00%				
Totals:	50	100.00%					

Cumulative Frequency Distribution

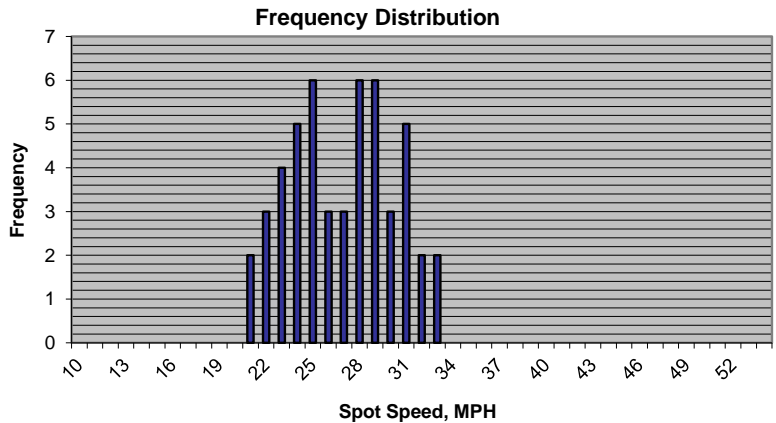
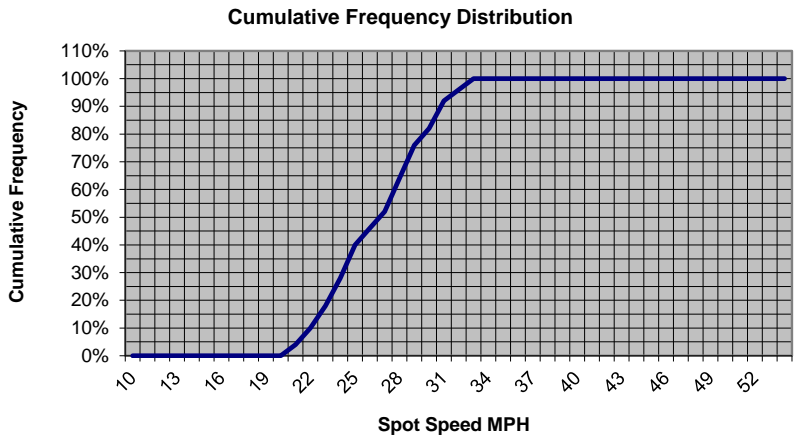
This graph displays the cumulative frequency of spot speeds. The x-axis represents Spot Speed MPH (10 to 54) and the y-axis represents Cumulative Frequency (0% to 110%). The curve starts at 0% for speeds up to 20 MPH, then rises steeply between 22 and 34 MPH, reaching 100% at 34 MPH, and remains at 100% for higher speeds.

Spot Speed MPH	Cumulative Frequency (%)
10	0.00
11	0.00
12	0.00
13	0.00
14	0.00
15	0.00
16	0.00
17	0.00
18	0.00
19	0.00
20	0.00
21	4.00
22	10.00
23	18.00
24	28.00
25	40.00
26	46.00
27	52.00
28	64.00
29	76.00
30	82.00
31	92.00
32	96.00
33	100.00
34	100.00
35	100.00
36	100.00
37	100.00
38	100.00
39	100.00
40	100.00
41	100.00
42	100.00
43	100.00
44	100.00
45	100.00
46	100.00
47	100.00
48	100.00
49	100.00
50	100.00
51	100.00
52	100.00

Frequency Distribution

This bar chart shows the frequency of vehicles at each spot speed. The x-axis represents Spot Speed, MPH (10 to 54) and the y-axis represents Frequency (0 to 7). The distribution is unimodal and slightly right-skewed, peaking at 6 vehicles for speeds 28, 29, and 30 MPH.

Spot Speed, MPH	Frequency
22	2
23	3
24	4
25	3
26	5
27	6
28	3
29	3
30	6
31	6
32	3
33	5
34	2
35	2
36	2





CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

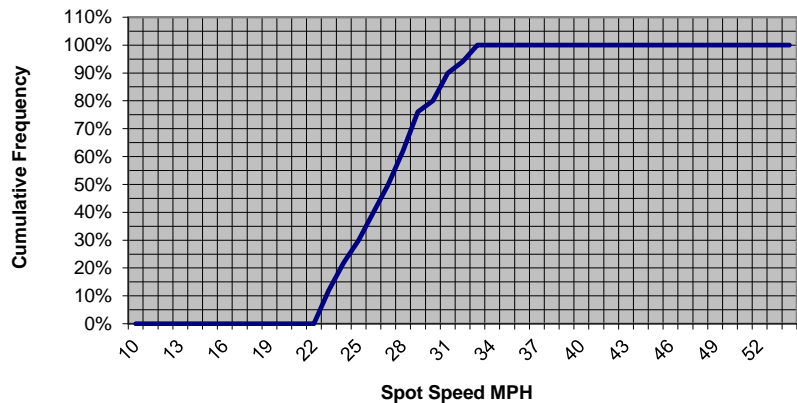
Street:	Navajo Drive	Direction:	EBD	Comments:
Between:	Adams Street & N Main Street	No. 109		
Survey Location:	N First Street btwn Mohawk Avenue			
Speed Limit:	25 MPH			
Date:	04/18/25			
Hours:	From: 04:00	To:	04:48	
Weather:	Sunny			
Observer(s):	Sean L. & Eva H.			

MPH	Frequency	Percent	Cumulative %
10	0	0.00%	0.00%
11	0	0.00%	0.00%
12	0	0.00%	0.00%
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	0	0.00%	0.00%
19	0	0.00%	0.00%
20	0	0.00%	0.00%
21	0	0.00%	0.00%
22	0	0.00%	0.00%
23	6	12.00%	12.00%
24	5	10.00%	22.00%
25	4	8.00%	30.00%
26	5	10.00%	40.00%
27	5	10.00%	50.00%
28	6	12.00%	62.00%
29	7	14.00%	76.00%
30	2	4.00%	80.00%
31	5	10.00%	90.00%
32	2	4.00%	94.00%
33	3	6.00%	100.00%
34	0	0.00%	100.00%
35	0	0.00%	100.00%
36	0	0.00%	100.00%
37	0	0.00%	100.00%
38	0	0.00%	100.00%
39	0	0.00%	100.00%
40	0	0.00%	100.00%
41	0	0.00%	100.00%
42	0	0.00%	100.00%
43	0	0.00%	100.00%
44	0	0.00%	100.00%
45	0	0.00%	100.00%
46	0	0.00%	100.00%
47	0	0.00%	100.00%
48	0	0.00%	100.00%
49	0	0.00%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
Totals:	50	100.00%	

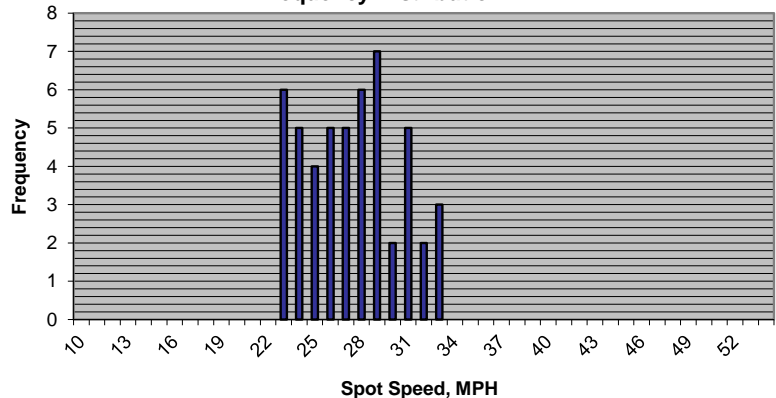
Data Analysis:

Time Mean Speed:	27.4	MPH
Sample Variance:	9.03	
Standard Deviation:	3.0	
Variance of the Mean:	0.1806	
Standard Error of the Mean:	0.4	
10 MPH Pace:	23	To: 32 MPH
Percent in Pace:	94.0%	
Vehicles in Pace:	47	
50th Percentile Speed:	27	MPH
85th Percentile Speed:	31	MPH
90th Percentile Speed:	31	MPH
95th Percentile Speed:	33	MPH

Cumulative Frequency Distribution



Frequency Distribution





CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Navajo Drive	Direction:	WBD/EBD	No. 109	Comments:
Between:	Adams Street & N Main Street				
Survey Location:	N First Street btwn Mohawk Avenue				
Speed Limit:	25 MPH				
Date:	04/18/25	Day:	Friday		
Hours:	From: 04:00	To:	04:48		
Weather:	Sunny				
Observer(s):	Sean L. & Eva H.				

MPH	Frequency	Percent	Cumulative %	<i>Data Analysis:</i>
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	0	0.00%	0.00%	
19	0	0.00%	0.00%	
20	0	0.00%	0.00%	
21	2	2.00%	2.00%	
22	3	3.00%	5.00%	
23	10	10.00%	15.00%	
24	10	10.00%	25.00%	
25	10	10.00%	35.00%	
26	8	8.00%	43.00%	
27	8	8.00%	51.00%	
28	12	12.00%	63.00%	
29	13	13.00%	76.00%	
30	5	5.00%	81.00%	
31	10	10.00%	91.00%	
32	4	4.00%	95.00%	
33	5	5.00%	100.00%	
34	0	0.00%	100.00%	
35	0	0.00%	100.00%	
36	0	0.00%	100.00%	
37	0	0.00%	100.00%	
38	0	0.00%	100.00%	
39	0	0.00%	100.00%	
40	0	0.00%	100.00%	
41	0	0.00%	100.00%	
42	0	0.00%	100.00%	
43	0	0.00%	100.00%	
44	0	0.00%	100.00%	
45	0	0.00%	100.00%	
46	0	0.00%	100.00%	
47	0	0.00%	100.00%	
48	0	0.00%	100.00%	
49	0	0.00%	100.00%	
50	0	0.00%	100.00%	
51	0	0.00%	100.00%	
52	0	0.00%	100.00%	
53	0	0.00%	100.00%	
54	0	0.00%	100.00%	
Totals:	100	100.00%		

Cumulative Frequency Distribution

Frequency Distribution

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE

109

LOCATION Navajo Dr. Between Adams St & N. Main St

DATE 04/18 DAY Friday

TIME 4:00 TO 4:48

OBSERVER SEAN L.

CALCULATED BY EVA

WEATHER Sunny

oncoming
Direction: EB

MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
66				
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64				
63				
62				
61				
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


away
Direction: WB

MPH	Number of Vehicles			
	5	10	15	20
70				
69				
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15				
14				
13				
12				
11				
10				



COMMENTS:

This segment of Villa Street is classified as a collector in the City of Salinas General Plan. The surrounding land use includes fronting residential homes, park, and a school. Speed data collected on May 20, 2025 revealed the 85th percentile speed of 26 mph. The 10 mph pace ranges from 18 mph to 27 mph and suggests the 85th percentile is within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded down, the existing posted speed limit of 25 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 2,400 Feet	<div> ALL-WAY STOP</div> <div> SIGNAL</div> <div> SPEED LIMIT SIGN</div> <div> CITY LIMITS</div> <div> CROSSWALK</div> <div> SCHOOL CROSSWALK</div>	
Vertical Alignment	Flat		
Street Width	34 Feet		
No. Lanes and Median	2-Lane Collector		
Proposed Speed Zone	25 MPH		
85th Percentile Speed	26 MPH		
Traffic Volume (Date)	2,362 (2025)		
Accident Data (2 years)	1 Collision (2022-2023)		
Street Segment Collision Rate = $\frac{\text{Collisions}}{\text{Years}} \frac{1,000,000}{\text{ADT}} \frac{1}{\text{Length in Miles}}$	1.29 Acc./MVM		



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Villa Street	Direction:	NBD	Comments:
Between:	Central Avenue & W Market Street	No. 110		
Survey Location:	46 Villa Street			
Speed Limit:	25 MPH			
Date:	05/20/25			
Hours:	From: 11:13	To:	01:02	
Weather:	Sunny			
Observer(s):	Rodolfo C			

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	7	14.00%	14.00%	
19	7	14.00%	28.00%	
20	8	16.00%	44.00%	
21	5	10.00%	54.00%	
22	5	10.00%	64.00%	
23	2	4.00%	68.00%	
24	5	10.00%	78.00%	
25	4	8.00%	86.00%	
26	2	4.00%	90.00%	
27	2	4.00%	94.00%	
28	1	2.00%	96.00%	
29	0	0.00%	96.00%	
30	1	2.00%	98.00%	
31	0	0.00%	98.00%	
32	0	0.00%	98.00%	
33	0	0.00%	98.00%	
34	0	0.00%	98.00%	
35	0	0.00%	98.00%	
36	1	2.00%	100.00%	
37	0	0.00%	100.00%	
38	0	0.00%	100.00%	
39	0	0.00%	100.00%	
40	0	0.00%	100.00%	
41	0	0.00%	100.00%	
42	0	0.00%	100.00%	
43	0	0.00%	100.00%	
44	0	0.00%	100.00%	
45	0	0.00%	100.00%	
46	0	0.00%	100.00%	
47	0	0.00%	100.00%	
48	0	0.00%	100.00%	
49	0	0.00%	100.00%	
50	0	0.00%	100.00%	
51	0	0.00%	100.00%	
52	0	0.00%	100.00%	
53	0	0.00%	100.00%	
54	0	0.00%	100.00%	
Totals:	50	100.00%		

Data Analysis:

Time Mean Speed:	22.0	MPH
Sample Variance:	13.22	
Standard Deviation:	3.6	
Variance of the Mean:	0.2644	
Standard Error of the Mean:	0.5	
10 MPH Pace:	18	To: 27 MPH
Percent in Pace:	94.0%	
Vehicles in Pace:	47	
50th Percentile Speed:	21	MPH
85th Percentile Speed:	25	MPH
90th Percentile Speed:	26	MPH
95th Percentile Speed:	28	MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

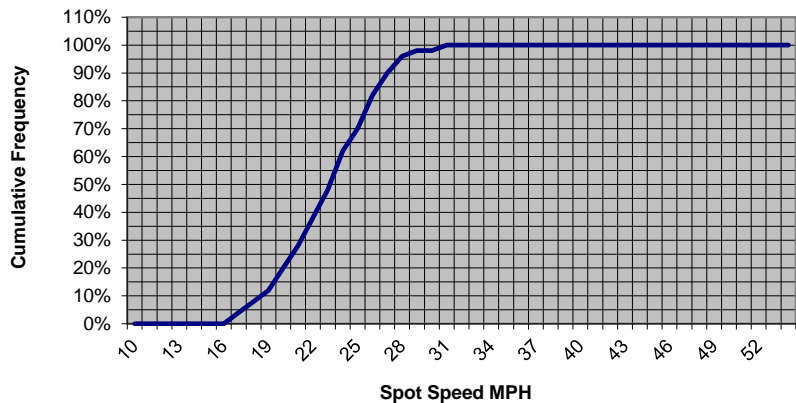
Street:	Villa Street	Direction:	SBD	Comments:
Between:	Central Avenue & W Market Street	No. 110		
Survey Location:	46 Villa Street			
Speed Limit:	25 MPH			
Date:	05/20/25			
Hours:	From: 11:13	To:	01:02	
Weather:	Sunny			
Observer(s):	Rodolfo C			

MPH	Frequency	Percent	Cumulative %
10	0	0.00%	0.00%
11	0	0.00%	0.00%
12	0	0.00%	0.00%
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	2	4.00%	4.00%
18	2	4.00%	8.00%
19	2	4.00%	12.00%
20	4	8.00%	20.00%
21	4	8.00%	28.00%
22	5	10.00%	38.00%
23	5	10.00%	48.00%
24	7	14.00%	62.00%
25	4	8.00%	70.00%
26	6	12.00%	82.00%
27	4	8.00%	90.00%
28	3	6.00%	96.00%
29	1	2.00%	98.00%
30	0	0.00%	98.00%
31	1	2.00%	100.00%
32	0	0.00%	100.00%
33	0	0.00%	100.00%
34	0	0.00%	100.00%
35	0	0.00%	100.00%
36	0	0.00%	100.00%
37	0	0.00%	100.00%
38	0	0.00%	100.00%
39	0	0.00%	100.00%
40	0	0.00%	100.00%
41	0	0.00%	100.00%
42	0	0.00%	100.00%
43	0	0.00%	100.00%
44	0	0.00%	100.00%
45	0	0.00%	100.00%
46	0	0.00%	100.00%
47	0	0.00%	100.00%
48	0	0.00%	100.00%
49	0	0.00%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
Totals:	50	100.00%	

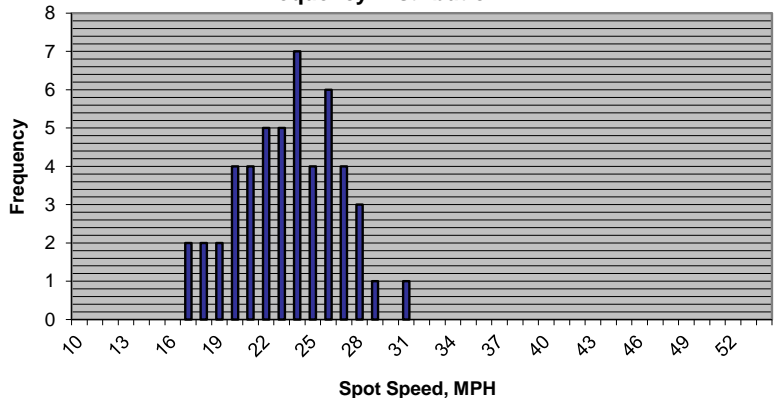
Data Analysis:

Time Mean Speed:	23.5	MPH
Sample Variance:	10.54	
Standard Deviation:	3.2	
Variance of the Mean:	0.2108	
Standard Error of the Mean:	0.5	
10 MPH Pace:	19	To: 28 MPH
Percent in Pace:	88.0%	
Vehicles in Pace:	44	
50th Percentile Speed:	24	MPH
85th Percentile Speed:	27	MPH
90th Percentile Speed:	27	MPH
95th Percentile Speed:	28	MPH

Cumulative Frequency Distribution



Frequency Distribution





CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

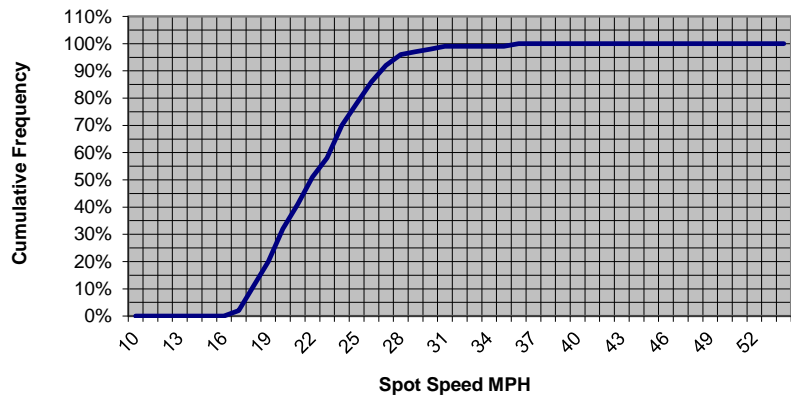
Street:	<u>Villa Street</u>	Direction:	<u>NBD/SBD</u>	Comments:	
Between:	<u>Central Avenue & W Market Street</u>	No. 110			
Survey Location:	<u>46 Villa Street</u>				
Speed Limit:	<u>25</u> MPH				
Date:	<u>05/20/25</u>				
Hours:	From:	<u>11:13</u>	To:	<u>01:02</u>	
Weather:	<u>Sunny</u>				
Observer(s):	<u>Rodolfo C</u>				

MPH	Frequency	Percent	Cumulative %
10	0	0.00%	0.00%
11	0	0.00%	0.00%
12	0	0.00%	0.00%
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	2	2.00%	2.00%
18	9	9.00%	11.00%
19	9	9.00%	20.00%
20	12	12.00%	32.00%
21	9	9.00%	41.00%
22	10	10.00%	51.00%
23	7	7.00%	58.00%
24	12	12.00%	70.00%
25	8	8.00%	78.00%
26	8	8.00%	86.00%
27	6	6.00%	92.00%
28	4	4.00%	96.00%
29	1	1.00%	97.00%
30	1	1.00%	98.00%
31	1	1.00%	99.00%
32	0	0.00%	99.00%
33	0	0.00%	99.00%
34	0	0.00%	99.00%
35	0	0.00%	99.00%
36	1	1.00%	100.00%
37	0	0.00%	100.00%
38	0	0.00%	100.00%
39	0	0.00%	100.00%
40	0	0.00%	100.00%
41	0	0.00%	100.00%
42	0	0.00%	100.00%
43	0	0.00%	100.00%
44	0	0.00%	100.00%
45	0	0.00%	100.00%
46	0	0.00%	100.00%
47	0	0.00%	100.00%
48	0	0.00%	100.00%
49	0	0.00%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
Totals:	100	100.00%	

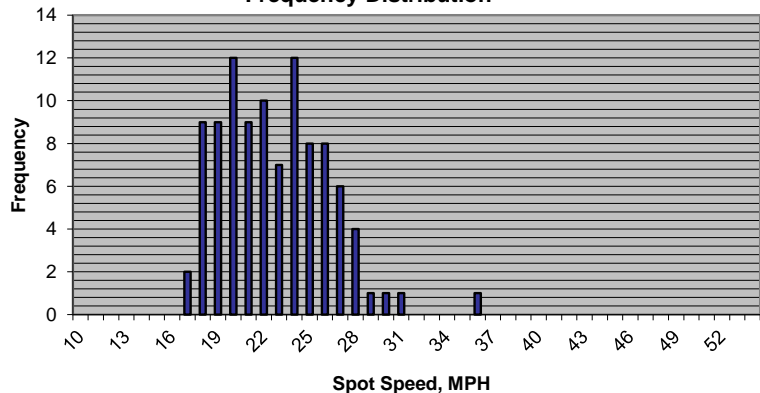
Data Analysis:

Time Mean Speed:	<u>22.7</u>	MPH
Sample Variance:	<u>12.30</u>	
Standard Deviation:	<u>3.5</u>	
Variance of the Mean:	<u>0.1230</u>	
Standard Error of the Mean:	<u>0.4</u>	
10 MPH Pace:	<u>18</u>	To: <u>27</u> MPH
Percent in Pace:	<u>90.0%</u>	
Vehicles in Pace:	<u>90</u>	
50th Percentile Speed:	<u>22</u>	MPH
85th Percentile Speed:	<u>26</u>	MPH
90th Percentile Speed:	<u>27</u>	MPH
95th Percentile Speed:	<u>28</u>	MPH

Cumulative Frequency Distribution



Frequency Distribution



SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE
110

LOCATION Villa St. between Central Ave. and W. Market St.

DATE 05/20 DAY Tuesday TIME 11:13 TO 1:02

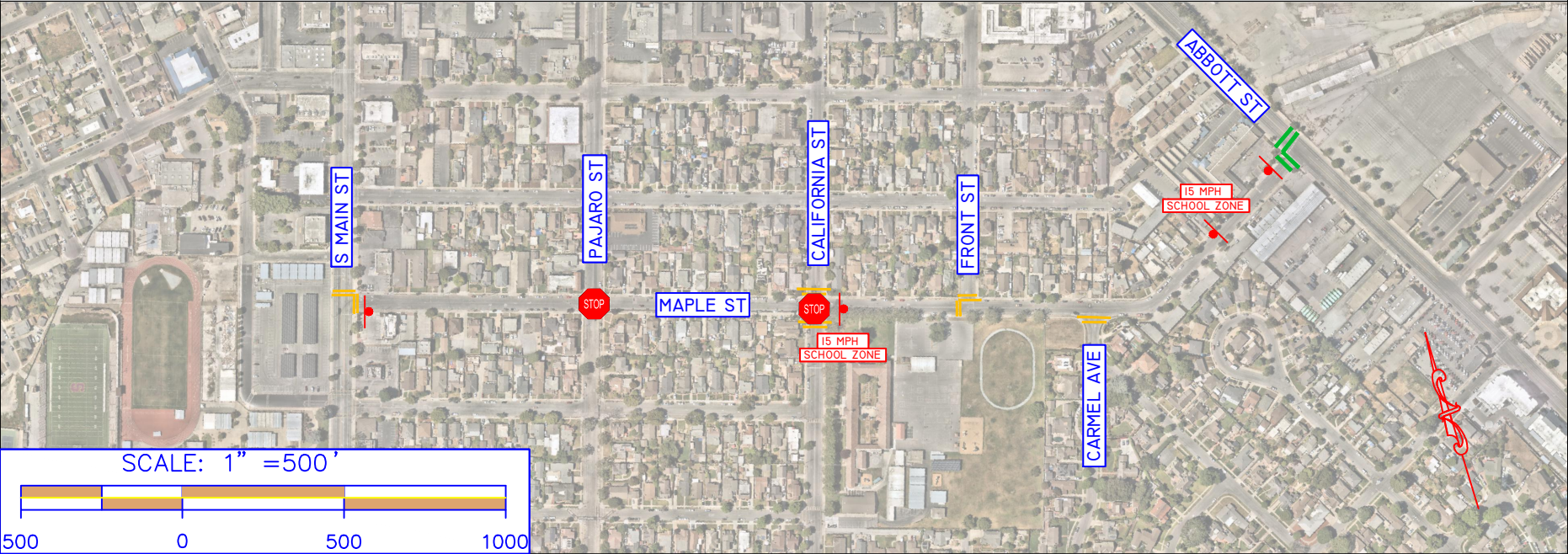
OBSERVER Rodolfo C CALCULATED BY Rodolfo C WEATHER Sunny

Direction: <u>N.B.</u>				
MPH	Number of Vehicles <u>CLOSE</u>			
	5	10	15	20
70				
69				
68				
67				
66				
65				
64				
63				
62				
61				
60				
59				
58				
57				
56				
55				
54				
53				
52				
51				
50				
49				
48				
47				
46				
45				
44				
43				
42				
41				
40				
39				
38				
37				
36	X			
35				
34				
33				
32				
31				
30	X			
29				
28	X			
27	X			
26	X			
25	X			
24	X			
23	X			
22	X			
21	X			
20	X			
19	X			
18	X			
17				
16				
15				
14				
13				
12				
11				
10				

|||||








Direction: <u>S.B.</u>				
MPH	Number of Vehicles <u>AWAY</u>			
	5	10	15	20
70				
69				
68				
67				
66				
65				
64				
63				
62				
61				
60				
59				
58				
57				
56				
55				
54				
53				
52				
51				
50				
49				
48				
47				
46				
45				
44				
43				
42				
41				
40				
39				
38				
37				
36				
35				
34				
33				
32				
31	X			
30				
29	X			
28	X			
27	X			
26	X			
25	X			
24	X			
23	X			
22	X			
21	X			
20	X			
19	X			
18	X			
17	X			
16				
15				
14				
13				
12				
11				
10				

|||||



COMMENTS:

This segment of Maple Street is classified as a collector in the City of Salinas General Plan. The surrounding land use includes fronting residential homes, parks, and school use. Speed data collected on April 23, 2025, revealed the 85th percentile speed of 26 mph. The 10 mph pace ranges from 18 mph to 27 mph and suggests the 85th percentile is within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded down, the existing posted speed limit of 25 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 3,200 Feet	<div> ALL-WAY STOP</div> <div> SIGNAL</div> <div> SPEED LIMIT SIGN</div> <div> CITY LIMITS</div> <div> CROSSWALK</div> <div> SCHOOL CROSSWALK</div>	
Vertical Alignment	Flat		
Street Width	46 Feet		
No. Lanes and Median	2-Lane Collector		
Proposed Speed Zone	25 MPH		
85th Percentile Speed	26 MPH		
Traffic Volume (Date)	1,381 (2025)		
Accident Data (2 years)	10 Collisions (2022-2023)		
Street Segment Collision Rate = $\frac{\text{Collisions}}{\text{Years} (365) \text{ (ADT)} \text{ (Length in Miles)}}$	16.37 Acc./MVM		



CITY OF SALINAS

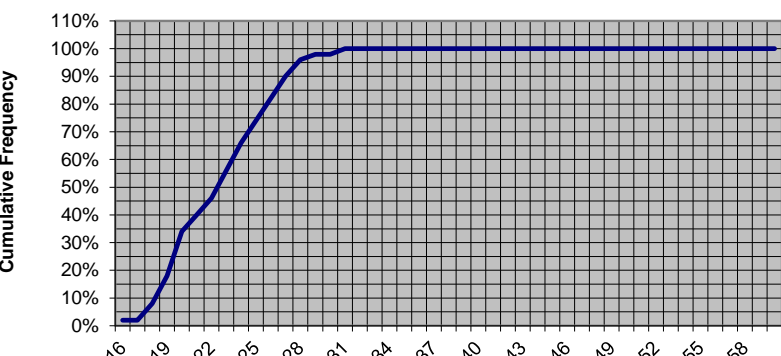
DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	<u>Maple Street</u>	Direction:	<u>WBD</u>	Comments: <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 111</div>
Between:	<u>S. Main Street and Abott Street</u>			
Survey Location:	<u>245 Maple Street</u>			
Speed Limit:	<u>25</u> MPH			
Date:	<u>04/23/2025</u>	Day:	<u>Wednesday</u>	
Hours:	From: <u>01:35</u>	To:	<u>02:31</u>	
Weather:	<u>Clear</u>			
Observer(s):	<u>Rodolfo C.</u>			

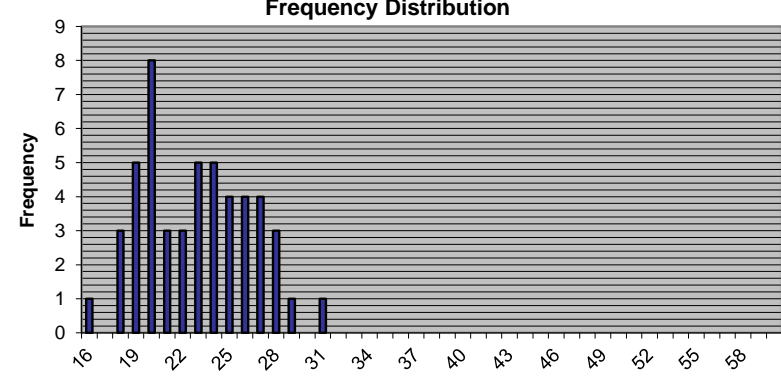
MPH	Frequency	Percent	Cumulative %	Data Analysis:			
16	1	2.00%	2.00%	<div><div>Time Mean Speed: Sample Variance: Standard Deviation: Variance of the Mean: Standard Error of the Mean: 10 MPH Pace: Percent in Pace: Vehicles in Pace: 50th Percentile Speed: 85th Percentile Speed: 90th Percentile Speed: 95th Percentile Speed:</div><div><div>22.9 11.97 3.5 0.2394 0.5 18 88.0% 44 23 27 27 28</div><div>MPH To: MPH MPH MPH MPH</div></div></div>			
17	0	0.00%	2.00%				
18	3	6.00%	8.00%				
19	5	10.00%	18.00%				
20	8	16.00%	34.00%				
21	3	6.00%	40.00%				
22	3	6.00%	46.00%				
23	5	10.00%	56.00%				
24	5	10.00%	66.00%				
25	4	8.00%	74.00%				
26	4	8.00%	82.00%				
27	4	8.00%	90.00%				
28	3	6.00%	96.00%				
29	1	2.00%	98.00%				
30	0	0.00%	98.00%				
31	1	2.00%	100.00%				
32	0	0.00%	100.00%				
33	0	0.00%	100.00%				
34	0	0.00%	100.00%				
35	0	0.00%	100.00%				
36	0	0.00%	100.00%				
37	0	0.00%	100.00%				
38	0	0.00%	100.00%				
39	0	0.00%	100.00%				
40	0	0.00%	100.00%				
41	0	0.00%	100.00%				
42	0	0.00%	100.00%				
43	0	0.00%	100.00%				
44	0	0.00%	100.00%				
45	0	0.00%	100.00%				
46	0	0.00%	100.00%				
47	0	0.00%	100.00%				
48	0	0.00%	100.00%				
49	0	0.00%	100.00%				
50	0	0.00%	100.00%				
51	0	0.00%	100.00%				
52	0	0.00%	100.00%				
53	0	0.00%	100.00%				
54	0	0.00%	100.00%				
55	0	0.00%	100.00%				
56	0	0.00%	100.00%				
57	0	0.00%	100.00%				
58	0	0.00%	100.00%				
59	0	0.00%	100.00%				
60	0	0.00%	100.00%				
Totals:	50	100.00%					

Cumulative Frequency Distribution



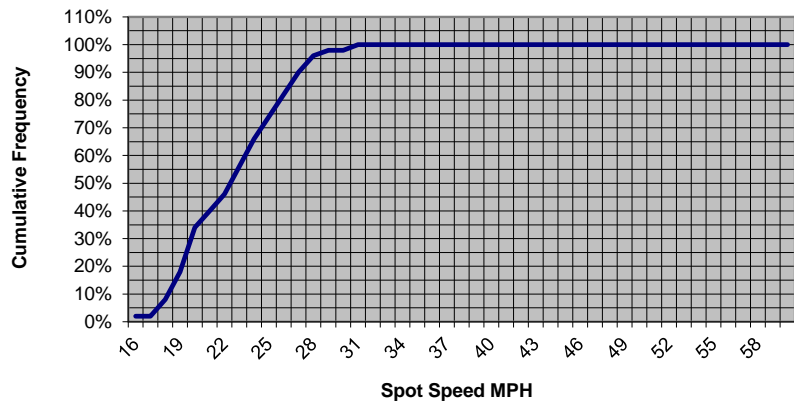
This graph plots Cumulative Frequency (0% to 110%) against Spot Speed MPH (16 to 58). The curve starts at 16 MPH (0%), rises steeply between 18 and 28 MPH, and levels off at 100% by 31 MPH.

Frequency Distribution

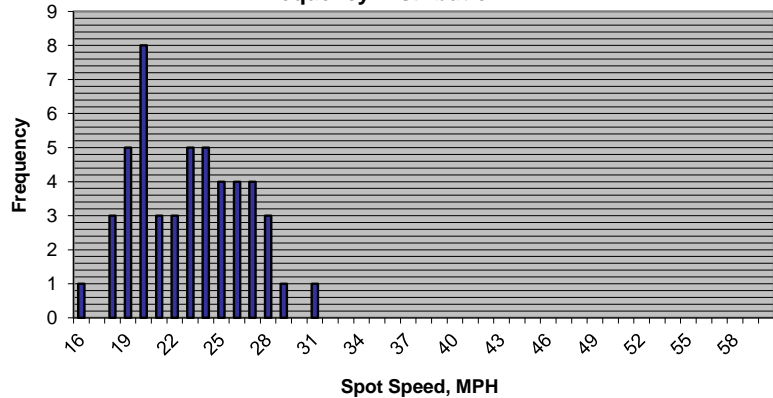


This histogram shows the frequency of spot speeds. The x-axis is Spot Speed, MPH (16 to 58), and the y-axis is Frequency (0 to 9). The distribution is roughly bell-shaped, centered around 22-24 MPH, with a secondary peak at 19 MPH.

Cumulative Frequency Distribution



Frequency Distribution





CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	<u>Maple Street</u>	Direction:	<u>EBD</u>	Comments: <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 111</div>
Between:	<u>S. Main Street and Abott Street</u>			
Survey Location:	<u>245 Maple Street</u>			
Speed Limit:	<u>25</u> MPH			
Date:	<u>04/23/2025</u>	Day:	<u>Wednesday</u>	
Hours:	From: <u>01:35</u>	To:	<u>02:31</u>	
Weather:	<u>Clear</u>			
Observer(s):	<u>Rodolfo C.</u>			

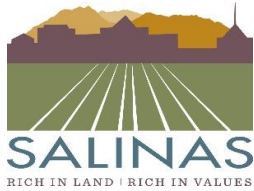
MPH	Frequency	Percent	Cumulative %	
16	2	4.00%	4.00%	
17	1	2.00%	6.00%	
18	1	2.00%	8.00%	
19	4	8.00%	16.00%	
20	7	14.00%	30.00%	
21	4	8.00%	38.00%	
22	6	12.00%	50.00%	
23	8	16.00%	66.00%	
24	4	8.00%	74.00%	
25	7	14.00%	88.00%	
26	2	4.00%	92.00%	
27	1	2.00%	94.00%	
28	1	2.00%	96.00%	
29	0	0.00%	96.00%	
30	1	2.00%	98.00%	
31	0	0.00%	98.00%	
32	1	2.00%	100.00%	
33	0	0.00%	100.00%	
34	0	0.00%	100.00%	
35	0	0.00%	100.00%	
36	0	0.00%	100.00%	
37	0	0.00%	100.00%	
38	0	0.00%	100.00%	
39	0	0.00%	100.00%	
40	0	0.00%	100.00%	
41	0	0.00%	100.00%	
42	0	0.00%	100.00%	
43	0	0.00%	100.00%	
44	0	0.00%	100.00%	
45	0	0.00%	100.00%	
46	0	0.00%	100.00%	
47	0	0.00%	100.00%	
48	0	0.00%	100.00%	
49	0	0.00%	100.00%	
50	0	0.00%	100.00%	
51	0	0.00%	100.00%	
52	0	0.00%	100.00%	
53	0	0.00%	100.00%	
54	0	0.00%	100.00%	
55	0	0.00%	100.00%	
56	0	0.00%	100.00%	
57	0	0.00%	100.00%	
58	0	0.00%	100.00%	
59	0	0.00%	100.00%	
60	0	0.00%	100.00%	
Totals:	50	100.00%		

Data Analysis:

Time Mean Speed:	22.5	MPH
Sample Variance:	10.50	
Standard Deviation:	3.2	
Variance of the Mean:	0.2100	
Standard Error of the Mean:	0.5	
10 MPH Pace:	16	To: 25 MPH
Percent in Pace:	88.0%	
Vehicles in Pace:	44	
50th Percentile Speed:	22	MPH
85th Percentile Speed:	25	MPH
90th Percentile Speed:	26	MPH
95th Percentile Speed:	28	MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

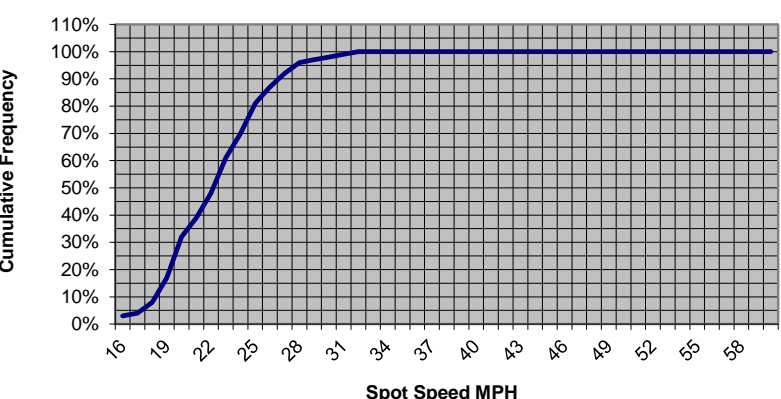
DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

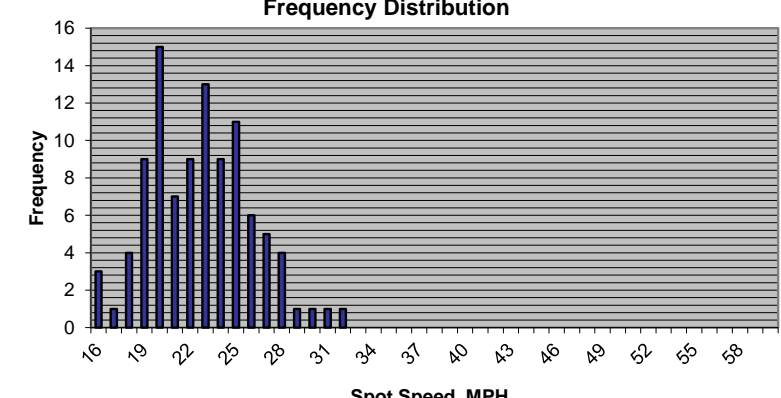
Street:	<u>Maple Street</u>	Direction:	<u>WBD/EBD</u>		Comments:
Between:	<u>S. Main Street and Abott Street</u>	No. 111			
Survey Location:	<u>245 Maple Street</u>				
Speed Limit:	<u>25</u> MPH				
Date:	<u>04/23/2025</u>				
Hours:	From: <u>01:35</u>	To:	<u>02:31</u>		
Weather:	<u>Clear</u>				
Observer(s):	<u>Rodolfo C.</u>				

MPH	Frequency	Percent	Cumulative %	Data Analysis:				
16	3	3.00%	3.00%	<div><div>Time Mean Speed:</div><div>Sample Variance:</div><div>Standard Deviation:</div><div>Variance of the Mean:</div><div>Standard Error of the Mean:</div><div>10 MPH Pace:</div><div>Percent in Pace:</div><div>Vehicles in Pace:</div><div>50th Percentile Speed:</div><div>85th Percentile Speed:</div><div>90th Percentile Speed:</div><div>95th Percentile Speed:</div></div>	22.7	MPH		
17	1	1.00%	4.00%		11.17			
18	4	4.00%	8.00%		3.3			
19	9	9.00%	17.00%		0.1117			
20	15	15.00%	32.00%		0.3			
21	7	7.00%	39.00%		18	To:	27	MPH
22	9	9.00%	48.00%		88.0%			
23	13	13.00%	61.00%		88			
24	9	9.00%	70.00%		23	MPH		
25	11	11.00%	81.00%		26	MPH		
26	6	6.00%	87.00%	27	MPH			
27	5	5.00%	92.00%	28	MPH			
28	4	4.00%	96.00%					
29	1	1.00%	97.00%					
30	1	1.00%	98.00%					
31	1	1.00%	99.00%					
32	1	1.00%	100.00%					
33	0	0.00%	100.00%					
34	0	0.00%	100.00%					
35	0	0.00%	100.00%					
36	0	0.00%	100.00%					
37	0	0.00%	100.00%					
38	0	0.00%	100.00%					
39	0	0.00%	100.00%					
40	0	0.00%	100.00%					
41	0	0.00%	100.00%					
42	0	0.00%	100.00%					
43	0	0.00%	100.00%					
44	0	0.00%	100.00%					
45	0	0.00%	100.00%					
46	0	0.00%	100.00%					
47	0	0.00%	100.00%					
48	0	0.00%	100.00%					
49	0	0.00%	100.00%					
50	0	0.00%	100.00%					
51	0	0.00%	100.00%					
52	0	0.00%	100.00%					
53	0	0.00%	100.00%					
54	0	0.00%	100.00%					
55	0	0.00%	100.00%					
56	0	0.00%	100.00%					
57	0	0.00%	100.00%					
58	0	0.00%	100.00%					
59	0	0.00%	100.00%					
60	0	0.00%	100.00%					
Totals:	100	100.00%						

Cumulative Frequency Distribution



Frequency Distribution



SITE CODE
 III

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

LOCATION Maple St. between S. Main St. and Abbott St.

DATE 09/23 DAY Wednesday TIME 1:35 TO 2:31

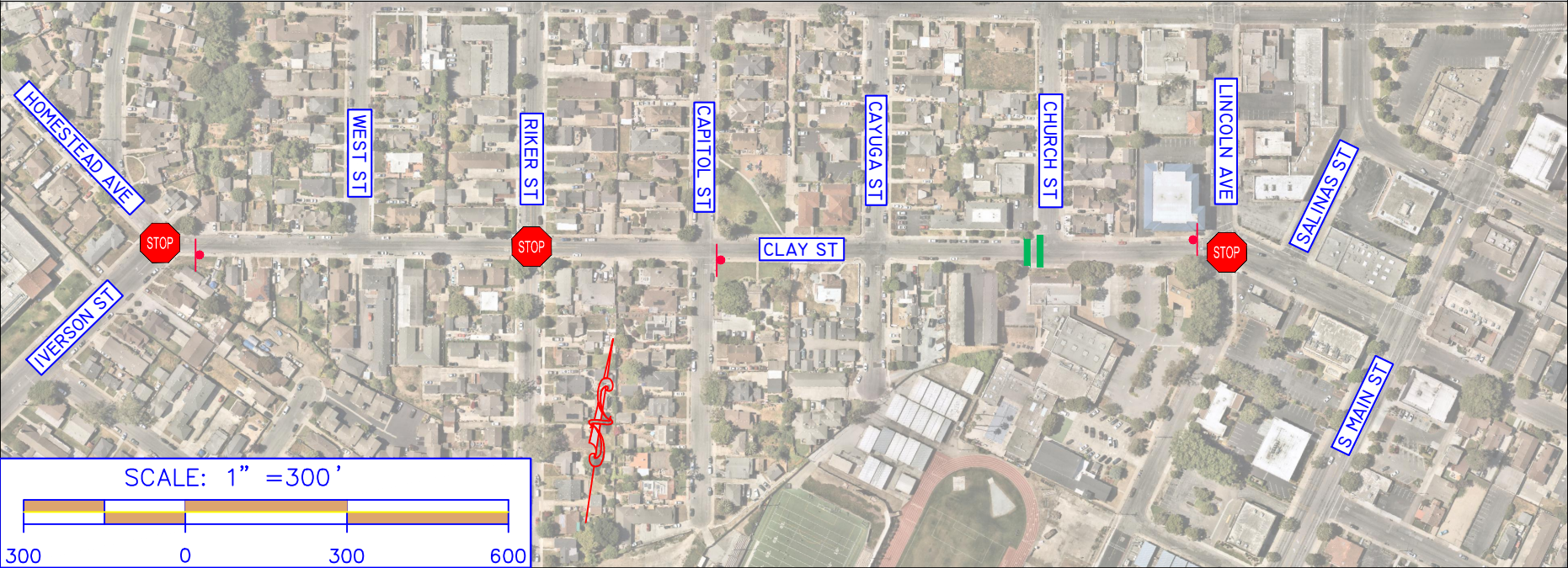
OBSERVER Rodolfo Co. CALCULATED BY Alejandro M. WEATHER Clear
AWAY CLOSE

Direction: <u>E.B.</u>				
MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
66				
65				
64				
63				
62				
61				
60				
59				
58				
57				
56				
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34				
33				
32	X			
31	X			
30	X			
29	X			
28	X			
27	X			
26	X			
25	X	X		
24	X	X		
23	X	X		
22	X	X		
21	X	X		
20	X	X		
19	X	X		
18	X	X		
17	X	X		
16	X	X		
15				
14				
13				
12				
11				
10				

Direction: <u>W.B.</u>				
MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
66				
65				
64				
63				
62				
61				
60				
59				
58				
57				
56				
55				
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40				
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38				
37				
36				
35				
34				
33				
32				
31	X			
30	X			
29	X			
28	X	X		
27	X	X		
26	X	X		
25	X	X		
24	X	X		
23	X	X		
22	X	X		
21	X	X		
20	X	X	X	
19	X	X	X	
18	X	X	X	
17	X	X	X	
16	X			
15				
14				
13				
12				
11				
10				








|||||||

|||||||



COMMENTS:

This segment of Clay Street is classified as a collector in the City of Salinas General Plan. The surrounding land use includes fronting residential homes, parks, offices, and a school. Speed data collected on April 28, 2025, revealed the 85th percentile speed of 29 mph. The 10 mph pace ranges from 20 mph to 29 mph and suggests the 85th percentile is within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded up and reduced by 5 mph per MUTCD option 2, the existing posted speed limit of 25 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 2,350 Feet	 ALL-WAY STOP	
Vertical Alignment	Flat	 SIGNAL	
Street Width	Varies (34 to 58 Feet)	 SPEED LIMIT SIGN	
No. Lanes and Median	2-Lane Collector	 CITY LIMITS	
Proposed Speed Zone	25 MPH	 CROSSWALK	
85th Percentile Speed	29 MPH	 SCHOOL CROSSWALK	
Traffic Volume (Date)	4,294 (2025)		
Accident Data (2 years)	12 Collisions (2022-2023)		
Street Segment Collision Rate = $\frac{\text{Collisions}}{\text{Years}} \frac{1,000,000}{(\text{ADT}) (\text{Length in Miles})}$	8.70 Acc./MVM		



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	<u>Clay Street</u>	Direction:	<u>EBD</u>	Comments: No. 112
Between:	<u>Iris Steet and S Main Street</u>			
Survey Location:	<u>165 Clay Street</u>			
Speed Limit:	<u>25</u> MPH			
Date:	<u>04/28/25</u>	Day:	<u>Monday</u>	
Hours:	From: <u>11:19</u>	To: <u>12:05</u>		
Weather:	<u>Clear</u>			
Observer(s):	<u>Rodolfo C.</u>			

MPH	Frequency	Percent	Cumulative %	
18	1	2.00%	2.00%	
19	0	0.00%	2.00%	
20	3	6.00%	8.00%	
21	1	2.00%	10.00%	
22	5	10.00%	20.00%	
23	5	10.00%	30.00%	
24	7	14.00%	44.00%	
25	5	10.00%	54.00%	
26	5	10.00%	64.00%	
27	5	10.00%	74.00%	
28	5	10.00%	84.00%	
29	4	8.00%	92.00%	
30	1	2.00%	94.00%	
31	0	0.00%	94.00%	
32	2	4.00%	98.00%	
33	0	0.00%	98.00%	
34	1	2.00%	100.00%	
35	0	0.00%	100.00%	
36	0	0.00%	100.00%	
37	0	0.00%	100.00%	
38	0	0.00%	100.00%	
39	0	0.00%	100.00%	
40	0	0.00%	100.00%	
41	0	0.00%	100.00%	
42	0	0.00%	100.00%	
43	0	0.00%	100.00%	
44	0	0.00%	100.00%	
45	0	0.00%	100.00%	
46	0	0.00%	100.00%	
47	0	0.00%	100.00%	
48	0	0.00%	100.00%	
49	0	0.00%	100.00%	
50	0	0.00%	100.00%	
51	0	0.00%	100.00%	
52	0	0.00%	100.00%	
53	0	0.00%	100.00%	
54	0	0.00%	100.00%	
55	0	0.00%	100.00%	
56	0	0.00%	100.00%	
57	0	0.00%	100.00%	
58	0	0.00%	100.00%	
59	0	0.00%	100.00%	
60	0	0.00%	100.00%	
61	0	0.00%	100.00%	
62	0	0.00%	100.00%	
Totals:	50	100.00%		

Data Analysis:

Time Mean Speed:	25.3	MPH
Sample Variance:	11.12	
Standard Deviation:	3.3	
Variance of the Mean:	0.2224	
Standard Error of the Mean:	0.5	
10 MPH Pace:	20	To: 29 MPH
Percent in Pace:	90.0%	
Vehicles in Pace:	45	
50th Percentile Speed:	25	MPH
85th Percentile Speed:	29	MPH
90th Percentile Speed:	29	MPH
95th Percentile Speed:	32	MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

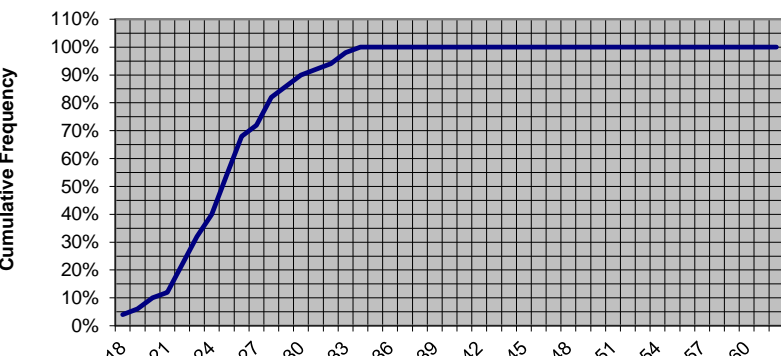
DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	<u>Clay Street</u>	Direction:	<u>WBD</u>		Comments:
Between:	<u>Iris Steet and S Main Street</u>				No. 112
Survey Location:	<u>165 Clay Street</u>				
Speed Limit:	<u>25</u>	MPH			
Date:	<u>04/28/25</u>	Day:	<u>Monday</u>		
Hours:	From:	<u>11:19</u>	To:	<u>12:05</u>	
Weather:	<u>Clear</u>				
Observer(s):	<u>Rodolfo C.</u>				

MPH	Frequency	Percent	Cumulative %	Data Analysis:			
18	2	4.00%	4.00%	<div>Time Mean Speed: 25.4 MPH</div> <div>Sample Variance: 14.24</div> <div>Standard Deviation: 3.8</div> <div>Variance of the Mean: 0.2848</div> <div>Standard Error of the Mean: 0.5</div> <div>10 MPH Pace: 20 To: 29 MPH</div> <div>Percent in Pace: 80.0%</div> <div>Vehicles in Pace: 40</div> <div>50th Percentile Speed: 25 MPH</div> <div>85th Percentile Speed: 29 MPH</div> <div>90th Percentile Speed: 30 MPH</div> <div>95th Percentile Speed: 33 MPH</div>			
19	1	2.00%	6.00%				
20	2	4.00%	10.00%				
21	1	2.00%	12.00%				
22	5	10.00%	22.00%				
23	5	10.00%	32.00%				
24	4	8.00%	40.00%				
25	7	14.00%	54.00%				
26	7	14.00%	68.00%				
27	2	4.00%	72.00%				
28	5	10.00%	82.00%				
29	2	4.00%	86.00%				
30	2	4.00%	90.00%				
31	1	2.00%	92.00%				
32	1	2.00%	94.00%				
33	2	4.00%	98.00%				
34	1	2.00%	100.00%				
35	0	0.00%	100.00%				
36	0	0.00%	100.00%				
37	0	0.00%	100.00%				
38	0	0.00%	100.00%				
39	0	0.00%	100.00%				
40	0	0.00%	100.00%				
41	0	0.00%	100.00%				
42	0	0.00%	100.00%				
43	0	0.00%	100.00%				
44	0	0.00%	100.00%				
45	0	0.00%	100.00%				
46	0	0.00%	100.00%				
47	0	0.00%	100.00%				
48	0	0.00%	100.00%				
49	0	0.00%	100.00%				
50	0	0.00%	100.00%				
51	0	0.00%	100.00%				
52	0	0.00%	100.00%				
53	0	0.00%	100.00%				
54	0	0.00%	100.00%				
55	0	0.00%	100.00%				
56	0	0.00%	100.00%				
57	0	0.00%	100.00%				
58	0	0.00%	100.00%				
59	0	0.00%	100.00%				
60	0	0.00%	100.00%				
61	0	0.00%	100.00%				
62	0	0.00%	100.00%				
Totals:	50	100.00%					

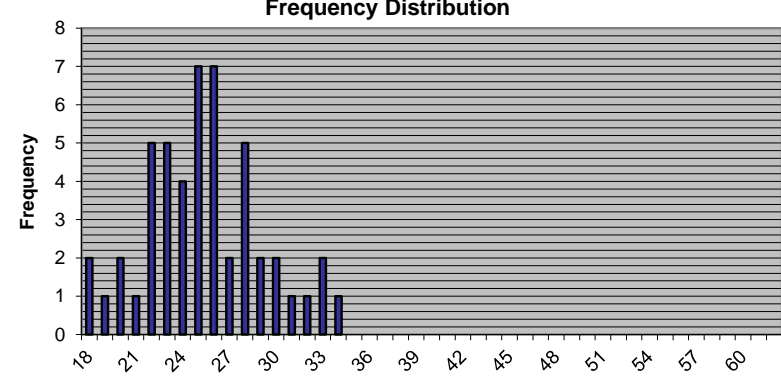
Cumulative Frequency Distribution



Cumulative Frequency

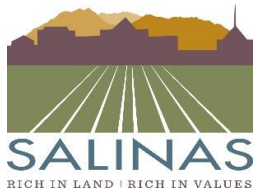
Spot Speed MPH

Frequency Distribution



Frequency

Spot Speed, MPH



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Clay Street	Direction:	EBD/WBD		Comments:
Between:	Iris Steet and S Main Street	No. 112			
Survey Location:	165 Clay Street				
Speed Limit:	25 MPH				
Date:	04/28/25				
Hours:	From: 11:19	To:	12:05		
Weather:	Clear				
Observer(s):	Rodolfo C.				

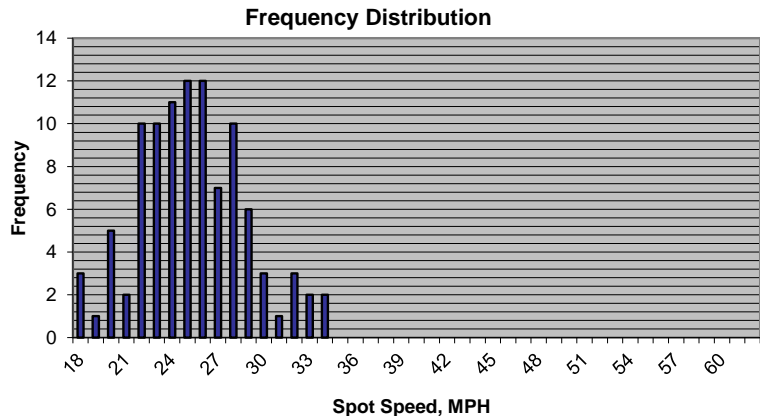
MPH	Frequency	Percent	Cumulative %	Data Analysis:			
18	3	3.00%	3.00%	<div>Time Mean Speed: 25.4 MPH</div> <div>Sample Variance: 12.55</div> <div>Standard Deviation: 3.5</div> <div>Variance of the Mean: 0.1255</div> <div>Standard Error of the Mean: 0.4</div> <div>10 MPH Pace: 20 To: 29 MPH</div> <div>Percent in Pace: 85.0%</div> <div>Vehicles in Pace: 85</div> <div>50th Percentile Speed: 25 MPH</div> <div>85th Percentile Speed: 29 MPH</div> <div>90th Percentile Speed: 30 MPH</div> <div>95th Percentile Speed: 32 MPH</div>			
19	1	1.00%	4.00%				
20	5	5.00%	9.00%				
21	2	2.00%	11.00%				
22	10	10.00%	21.00%				
23	10	10.00%	31.00%				
24	11	11.00%	42.00%				
25	12	12.00%	54.00%				
26	12	12.00%	66.00%				
27	7	7.00%	73.00%				
28	10	10.00%	83.00%				
29	6	6.00%	89.00%				
30	3	3.00%	92.00%				
31	1	1.00%	93.00%				
32	3	3.00%	96.00%				
33	2	2.00%	98.00%				
34	2	2.00%	100.00%				
35	0	0.00%	100.00%				
36	0	0.00%	100.00%				
37	0	0.00%	100.00%				
38	0	0.00%	100.00%				
39	0	0.00%	100.00%				
40	0	0.00%	100.00%				
41	0	0.00%	100.00%				
42	0	0.00%	100.00%				
43	0	0.00%	100.00%				
44	0	0.00%	100.00%				
45	0	0.00%	100.00%				
46	0	0.00%	100.00%				
47	0	0.00%	100.00%				
48	0	0.00%	100.00%				
49	0	0.00%	100.00%				
50	0	0.00%	100.00%				
51	0	0.00%	100.00%				
52	0	0.00%	100.00%				
53	0	0.00%	100.00%				
54	0	0.00%	100.00%				
55	0	0.00%	100.00%				
56	0	0.00%	100.00%				
57	0	0.00%	100.00%				
58	0	0.00%	100.00%				
59	0	0.00%	100.00%				
60	0	0.00%	100.00%				
61	0	0.00%	100.00%				
62	0	0.00%	100.00%				
Totals:	100	100.00%					

Cumulative Frequency Distribution

Spot Speed (MPH)	Cumulative Frequency (%)
18	3.00
19	4.00
20	9.00
21	11.00
22	21.00
23	31.00
24	42.00
25	54.00
26	66.00
27	73.00
28	83.00
29	89.00
30	92.00
31	93.00
32	96.00
33	98.00
34	100.00
35-62	100.00

Frequency Distribution

Spot Speed (MPH)	Frequency
18	3
19	1
20	5
21	2
22	10
23	10
24	11
25	12
26	12
27	7
28	10
29	6
30	3
31	1
32	3
33	2
34	2
35-62	0



SITE CODE

112

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

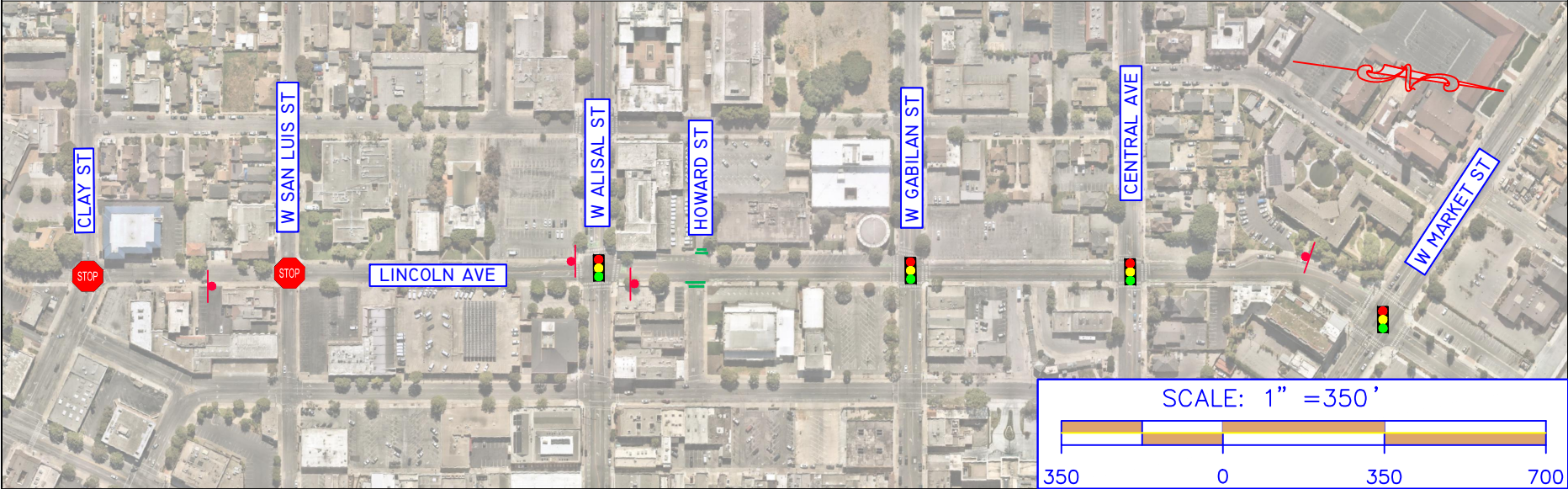
LOCATION Clay St. between Iverson St. and S. Main St.DATE 09/28 DAY Monday TIME 11:19 TO 12:05OBSERVER Rodolfo CALCULATED BY Alexandro Me WEATHER Sunny
AWAY Approaching

Direction:		E.B.															
MPH	Number of Vehicles																
	5				10				15				20				
70																	
69																	
68																	
67																	
66																	
65																	
64																	
63																	
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38																	
37																	
36																	
35																	
34	X																
33																	
32	X	X															
31																	
30	X																
29	X	X	X	X	X												
28	X	X	X	X	X	X											
27	X	X	X	X	X	X											
26	X	X	X	X	X	X											
25	X	X	X	X	X	X											
24	X	X	X	X	X	X	X	X									
23	X	X	X	X	X	X											
22	X	X	X	X	X	X											
21	X																
20	X	X	X	X													
19																	
18	X																
17																	
16																	
15																	
14																	
13																	
12																	
11																	
10																	

NNNN

Direction:		W.B. J															
MPH	Number of Vehicles																
	5				10				15				20				
70																	
69																	
68																	
67																	
66																	
65																	
64																	
63																	
62																	
61																	
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42																	
41																	
40																	
39																	
38																	
37																	
36																	
35																	
34	X																
33	X	X															
32	X	X															
31	X																
30	X	X															
29	X	X															
28	X	X	X	X	X												
27	X	X															
26	X	X	X	X	X	X	X										
25	X	X	X	X	X	X	X										
24	X	X	X	X	X	X											
23	X	X	X	X	X												
22	X	X	X	X	X												
21	X																
20	X	X															
19	X																
18	X	X															
17																	
16																	
15																	
14																	
13																	
12																	
11																	
10																	

NNNN



COMMENTS:

This segment of Lincoln Avenue is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes office, residential, and commercial use. Speed data collected on May 6, 2025, revealed the 85th percentile speed of 29 mph. The 10 mph pace ranges from 20 mph to 29 mph and suggests the 85th percentile is within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded up and reduced by 5 mph per MUTCD option 2, the existing posted speed limit of 25 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 2,850 Feet	ALL-WAY STOP	
Vertical Alignment	Flat	SIGNAL	
Street Width	Varies (34 to 79 Feet)	SPEED LIMIT SIGN	
No. Lanes and Median	2-Lane Minor Arterial	CITY LIMITS	
Proposed Speed Zone	25 MPH	CROSSWALK	
85th Percentile Speed	29 MPH	SCHOOL CROSSWALK	
Traffic Volume (Date)	6,573 (2025)		
Accident Data (2 years)	5 Collisions (2022-2023)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	1.93 Acc./MVM		



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Lincoln Avenue	Direction:	NBD	Comments:		
Between:	W Market Street and Clay Street	No. 113				
Survey Location:	361 Lincoln Ave					
Speed Limit:	25 MPH					
Date:	05/06/25				Day:	Tuesday
Hours:	From: 11:55				To:	12:40
Weather:	Clear					
Observer(s):	Rodolfo C.					

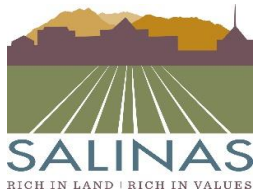
MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	1	2.00%	2.00%	
19	0	0.00%	2.00%	
20	3	6.00%	8.00%	
21	1	2.00%	10.00%	
22	5	10.00%	20.00%	
23	5	10.00%	30.00%	
24	7	14.00%	44.00%	
25	5	10.00%	54.00%	
26	5	10.00%	64.00%	
27	5	10.00%	74.00%	
28	5	10.00%	84.00%	
29	4	8.00%	92.00%	
30	1	2.00%	94.00%	
31	0	0.00%	94.00%	
32	2	4.00%	98.00%	
33	0	0.00%	98.00%	
34	1	2.00%	100.00%	
35	0	0.00%	100.00%	
36	0	0.00%	100.00%	
37	0	0.00%	100.00%	
38	0	0.00%	100.00%	
39	0	0.00%	100.00%	
40	0	0.00%	100.00%	
41	0	0.00%	100.00%	
42	0	0.00%	100.00%	
43	0	0.00%	100.00%	
44	0	0.00%	100.00%	
45	0	0.00%	100.00%	
46	0	0.00%	100.00%	
47	0	0.00%	100.00%	
48	0	0.00%	100.00%	
49	0	0.00%	100.00%	
50	0	0.00%	100.00%	
51	0	0.00%	100.00%	
52	0	0.00%	100.00%	
53	0	0.00%	100.00%	
54	0	0.00%	100.00%	
Totals:	50	100.00%		

Data Analysis:

Time Mean Speed:	25.3	MPH
Sample Variance:	11.12	
Standard Deviation:	3.3	
Variance of the Mean:	0.2224	
Standard Error of the Mean:	0.5	
10 MPH Pace:	20	To: 29 MPH
Percent in Pace:	90.0%	
Vehicles in Pace:	45	
50th Percentile Speed:	25	MPH
85th Percentile Speed:	29	MPH
90th Percentile Speed:	29	MPH
95th Percentile Speed:	32	MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

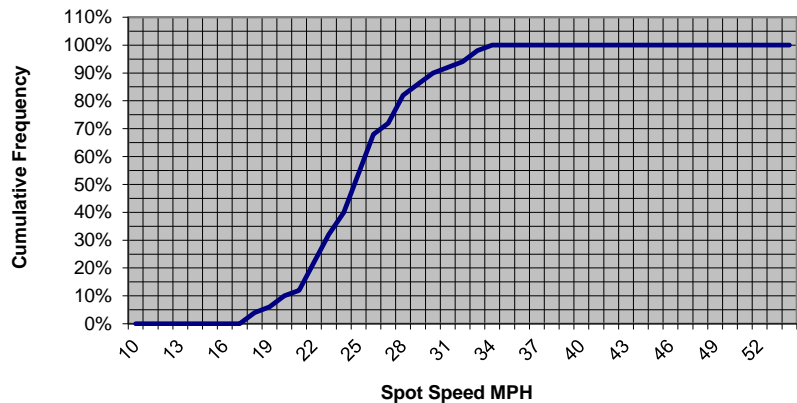
Street:	Lincoln Avenue	Direction:	SBD	Comments:		
Between:	W Market Street and Clay Street	No. 113				
Survey Location:	361 Lincoln Ave					
Speed Limit:	25 MPH					
Date:	05/06/25				Day:	Tuesday
Hours:	From: 11:55				To:	12:40
Weather:	Clear					
Observer(s):	Rodolfo C.					

MPH	Frequency	Percent	Cumulative %
10	0	0.00%	0.00%
11	0	0.00%	0.00%
12	0	0.00%	0.00%
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	2	4.00%	4.00%
19	1	2.00%	6.00%
20	2	4.00%	10.00%
21	1	2.00%	12.00%
22	5	10.00%	22.00%
23	5	10.00%	32.00%
24	4	8.00%	40.00%
25	7	14.00%	54.00%
26	7	14.00%	68.00%
27	2	4.00%	72.00%
28	5	10.00%	82.00%
29	2	4.00%	86.00%
30	2	4.00%	90.00%
31	1	2.00%	92.00%
32	1	2.00%	94.00%
33	2	4.00%	98.00%
34	1	2.00%	100.00%
35	0	0.00%	100.00%
36	0	0.00%	100.00%
37	0	0.00%	100.00%
38	0	0.00%	100.00%
39	0	0.00%	100.00%
40	0	0.00%	100.00%
41	0	0.00%	100.00%
42	0	0.00%	100.00%
43	0	0.00%	100.00%
44	0	0.00%	100.00%
45	0	0.00%	100.00%
46	0	0.00%	100.00%
47	0	0.00%	100.00%
48	0	0.00%	100.00%
49	0	0.00%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
Totals:	50	100.00%	

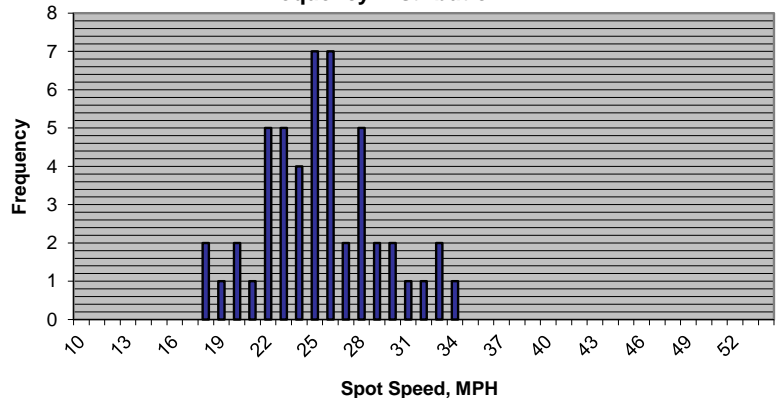
Data Analysis:

Time Mean Speed:	25.4	MPH
Sample Variance:	14.24	
Standard Deviation:	3.8	
Variance of the Mean:	0.2848	
Standard Error of the Mean:	0.5	
10 MPH Pace:	20	To: 29 MPH
Percent in Pace:	80.0%	
Vehicles in Pace:	40	
50th Percentile Speed:	25	MPH
85th Percentile Speed:	29	MPH
90th Percentile Speed:	30	MPH
95th Percentile Speed:	33	MPH

Cumulative Frequency Distribution



Frequency Distribution





CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Lincoln Avenue	Direction:	NBD/SBD	Comments:
Between:	W Market Street and Clay Street	No. 113		
Survey Location:	361 Lincoln Ave			
Speed Limit:	25 MPH			
Date:	05/06/25			
Hours:	From: 11:55	To:	12:40	
Weather:	Clear			
Observer(s):	Rodolfo C.			

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	3	3.00%	3.00%	
19	1	1.00%	4.00%	
20	5	5.00%	9.00%	
21	2	2.00%	11.00%	
22	10	10.00%	21.00%	
23	10	10.00%	31.00%	
24	11	11.00%	42.00%	
25	12	12.00%	54.00%	
26	12	12.00%	66.00%	
27	7	7.00%	73.00%	
28	10	10.00%	83.00%	
29	6	6.00%	89.00%	
30	3	3.00%	92.00%	
31	1	1.00%	93.00%	
32	3	3.00%	96.00%	
33	2	2.00%	98.00%	
34	2	2.00%	100.00%	
35	0	0.00%	100.00%	
36	0	0.00%	100.00%	
37	0	0.00%	100.00%	
38	0	0.00%	100.00%	
39	0	0.00%	100.00%	
40	0	0.00%	100.00%	
41	0	0.00%	100.00%	
42	0	0.00%	100.00%	
43	0	0.00%	100.00%	
44	0	0.00%	100.00%	
45	0	0.00%	100.00%	
46	0	0.00%	100.00%	
47	0	0.00%	100.00%	
48	0	0.00%	100.00%	
49	0	0.00%	100.00%	
50	0	0.00%	100.00%	
51	0	0.00%	100.00%	
52	0	0.00%	100.00%	
53	0	0.00%	100.00%	
54	0	0.00%	100.00%	
Totals:	100	100.00%		

Data Analysis:

Time Mean Speed:	25.4	MPH
Sample Variance:	12.55	
Standard Deviation:	3.5	
Variance of the Mean:	0.1255	
Standard Error of the Mean:	0.4	
10 MPH Pace:	20	To: 29 MPH
Percent in Pace:	85.0%	
Vehicles in Pace:	85	
50th Percentile Speed:	25	MPH
85th Percentile Speed:	29	MPH
90th Percentile Speed:	30	MPH
95th Percentile Speed:	32	MPH

Cumulative Frequency Distribution

Frequency Distribution

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE
113

LOCATION Lincoln Ave. between W. Market St. and Clay St.

DATE 05/06 DAY Tuesday TIME 11:55 TO 12:40

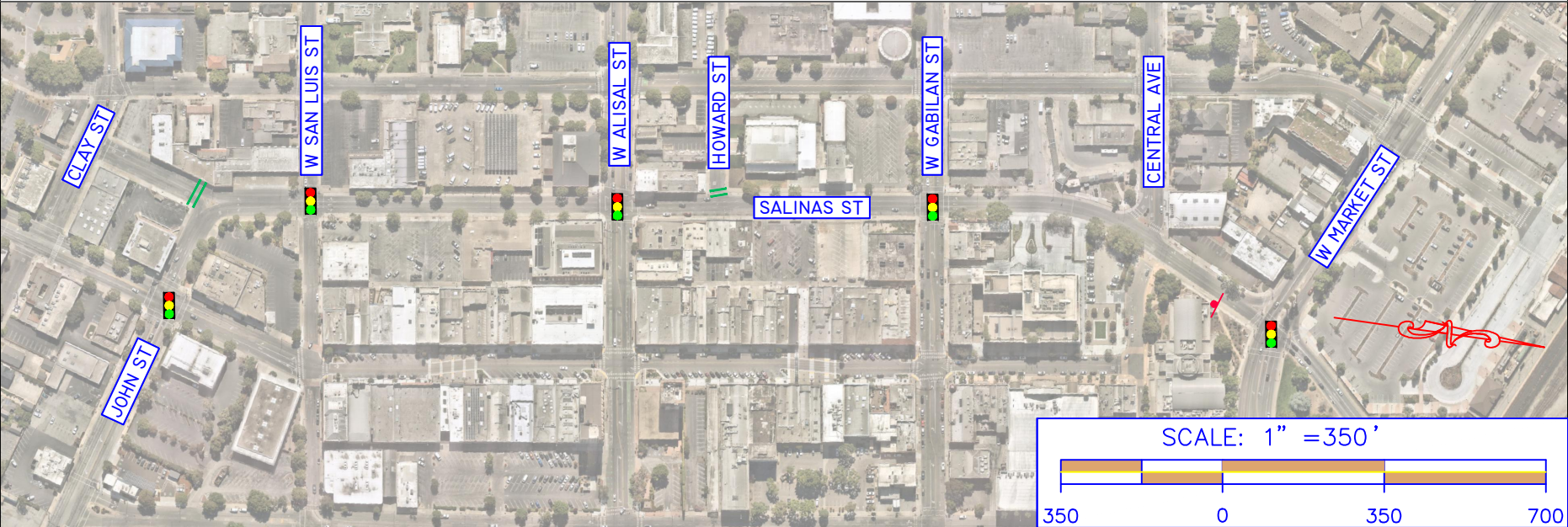
OBSERVER Rodolfo C. CALCULATED BY Alejandro M. WEATHER Sunny

Direction:		N.B.															
MPH	Number of Vehicles AWAY																
	5				10				15				20				
70																	
69																	
68																	
67																	
66																	
65																	
64																	
63																	
62																	
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42																	
41																	
40	X																
39																	
38																	
37																	
36																	
35																	
34																	
33																	
32	X																
31																	
30	X	X	X														
29	X	X	X														
28	X	X	X														
27	X	X	X	X													
26	X	X	X	X	X												
25	X	X	X	X	X	X											
24	X	X	X	X	X	X											
23	X	X	X	X	X	X											
22	X	X	X	X	X	X											
21	X	X	X	X	X	X											
20	X	X	X	X	X	X											
19	X	X	X	X	X	X											
18	X	X	X	X	X	X											
17	X	X	X	X	X	X											
16	X	X	X	X	X	X											
15	X	X	X	X	X	X											
14																	
13																	
12																	
11																	
10																	

NUM

Direction:		S.B.															
MPH	Number of Vehicles																CLOSE
	5				10				15				20				
70																	
69																	
68																	
67																	
66																	
65																	
64																	
63																	
62																	
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43																	
42																	
41																	
40																	
39																	
38																	
37																	
36																	
35																	
34																	
33	X	X															
32	X	X	X														
31	X	X															
30																	
29	X	X	X														
28	X	X	X	X													
27	X	X	X	X	X												
26	X	X	X	X	X	X											
25	X	X	X	X	X	X	X										
24	X	X	X	X	X	X	X	X									
23	X	X	X	X	X	X	X	X	X								
22	X	X	X	X	X	X	X	X	X	X							
21	X	X	X	X	X	X	X	X	X	X	X						
20	X	X	X	X	X	X	X	X	X	X	X	X					
19	X	X	X	X	X	X	X	X	X	X	X	X	X				
18	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
16																	
15																	
14																	
13																	
12																	
11																	
10																	

NUM



COMMENTS:

This segment of Salinas Street is classified as a major arterial in the City of Salinas General Plan. The surrounding land use includes mix and office use. Speed data was collected on April 25, 2025, revealed the 85th percentile speed of 22 mph. The 10 mph pace ranges from 15 mph to 24 mph and suggests the 85th percentile is within this range. More than 50% of the property contiguous to one side of Salinas Street is occupied by businesses, meeting the criteria of a business district as defined in Section 235 of the CVC. Section 22352 of the CVC sets the prima facie speed limit for business districts of 25 mph. Based on the surrounding land use, and the 10 mph pace range, and Section 22352 of the CVC, the existing posted speed limit of 25 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 2,700 Feet	ALL-WAY STOP	
Vertical Alignment	Flat	SIGNAL	
Street Width	42 Feet	SPEED LIMIT SIGN	
No. Lanes and Median	3-Lane Major Arterial	CITY LIMITS	
Proposed Speed Zone	25 MPH	CROSSWALK	
85th Percentile Speed	22 MPH	SCHOOL CROSSWALK	
Traffic Volume (Date)	7,853 (2024)		
Accident Data (2 years)	10 Collisions (2022-2023)		
Street Segment Collision Rate = $\frac{\text{Collisions}}{\text{Years}} \frac{1,000,000}{(\text{ADT}) (\text{Length in Miles})}$	3.41 Acc./MVM		



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Salinas Street	Direction:	NBD		Comments:
Between:	West Market Street & Clay Street	No. 114			
Survey Location:	Salinas Street & John Street				
Speed Limit:	25 MPH				
Date:	04/25/25				
Hours:	From: 03:57	To:	04:37		
Weather:	Sunny				
Observer(s):	Sean L. & Eva H.				

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	2	4.00%	4.00%	
15	4	8.00%	12.00%	
16	8	16.00%	28.00%	
17	5	10.00%	38.00%	
18	5	10.00%	48.00%	
19	4	8.00%	56.00%	
20	11	22.00%	78.00%	
21	6	12.00%	90.00%	
22	2	4.00%	94.00%	
23	1	2.00%	96.00%	
24	2	4.00%	100.00%	
25	0	0.00%	100.00%	
26	0	0.00%	100.00%	
27	0	0.00%	100.00%	
28	0	0.00%	100.00%	
29	0	0.00%	100.00%	
30	0	0.00%	100.00%	
31	0	0.00%	100.00%	
32	0	0.00%	100.00%	
33	0	0.00%	100.00%	
34	0	0.00%	100.00%	
35	0	0.00%	100.00%	
36	0	0.00%	100.00%	
37	0	0.00%	100.00%	
38	0	0.00%	100.00%	
39	0	0.00%	100.00%	
40	0	0.00%	100.00%	
41	0	0.00%	100.00%	
42	0	0.00%	100.00%	
43	0	0.00%	100.00%	
44	0	0.00%	100.00%	
45	0	0.00%	100.00%	
46	0	0.00%	100.00%	
47	0	0.00%	100.00%	
48	0	0.00%	100.00%	
49	0	0.00%	100.00%	
50	0	0.00%	100.00%	
51	0	0.00%	100.00%	
52	0	0.00%	100.00%	
53	0	0.00%	100.00%	
54	0	0.00%	100.00%	
Totals:	50	100.00%		

Data Analysis:

Time Mean Speed:	18.6	MPH
Sample Variance:	6.54	
Standard Deviation:	2.6	
Variance of the Mean:	0.1308	
Standard Error of the Mean:	0.4	
10 MPH Pace:	14	To: 23 MPH
Percent in Pace:	96.0%	
Vehicles in Pace:	48	
50th Percentile Speed:	19	MPH
85th Percentile Speed:	21	MPH
90th Percentile Speed:	21	MPH
95th Percentile Speed:	23	MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	<u>Salinas Street</u>	Direction:	<u>SBD</u>	Comments:	
Between:	<u>West Market Street & Clay Street</u>	No. 114			
Survey Location:	<u>Salinas Street & John Street</u>				
Speed Limit:	<u>25</u> MPH				
Date:	<u>04/25/25</u>	Day:	<u>Friday</u>		
Hours:	From: <u>03:57</u>	To:	<u>04:37</u>		
Weather:	<u>Sunny</u>				
Observer(s):	<u>Sean L. & Eva H.</u>				

MPH	Frequency	Percent	Cumulative %	Data Analysis:			
10	0	0.00%	0.00%	<div>Time Mean Speed: 20.3 MPH</div> <div>Sample Variance: 6.73</div> <div>Standard Deviation: 2.6</div> <div>Variance of the Mean: 0.1346</div> <div>Standard Error of the Mean: 0.4</div> <div>10 MPH Pace: 15 To: 24 MPH</div> <div>Percent in Pace: 96.0%</div> <div>Vehicles in Pace: 48</div> <div>50th Percentile Speed: 20 MPH</div> <div>85th Percentile Speed: 23 MPH</div> <div>90th Percentile Speed: 23 MPH</div> <div>95th Percentile Speed: 24 MPH</div>			
11	0	0.00%	0.00%				
12	0	0.00%	0.00%				
13	0	0.00%	0.00%				
14	1	2.00%	2.00%				
15	2	4.00%	6.00%				
16	2	4.00%	10.00%				
17	2	4.00%	14.00%				
18	5	10.00%	24.00%				
19	5	10.00%	34.00%				
20	9	18.00%	52.00%				
21	7	14.00%	66.00%				
22	5	10.00%	76.00%				
23	8	16.00%	92.00%				
24	3	6.00%	98.00%				
25	1	2.00%	100.00%				
26	0	0.00%	100.00%				
27	0	0.00%	100.00%				
28	0	0.00%	100.00%				
29	0	0.00%	100.00%				
30	0	0.00%	100.00%				
31	0	0.00%	100.00%				
32	0	0.00%	100.00%				
33	0	0.00%	100.00%				
34	0	0.00%	100.00%				
35	0	0.00%	100.00%				
36	0	0.00%	100.00%				
37	0	0.00%	100.00%				
38	0	0.00%	100.00%				
39	0	0.00%	100.00%				
40	0	0.00%	100.00%				
41	0	0.00%	100.00%				
42	0	0.00%	100.00%				
43	0	0.00%	100.00%				
44	0	0.00%	100.00%				
45	0	0.00%	100.00%				
46	0	0.00%	100.00%				
47	0	0.00%	100.00%				
48	0	0.00%	100.00%				
49	0	0.00%	100.00%				
50	0	0.00%	100.00%				
51	0	0.00%	100.00%				
52	0	0.00%	100.00%				
53	0	0.00%	100.00%				
54	0	0.00%	100.00%				
Totals:	50	100.00%					

Cumulative Frequency Distribution

This graph displays the cumulative frequency of spot speeds. The x-axis represents Spot Speed in MPH, ranging from 10 to 54. The y-axis represents Cumulative Frequency as a percentage, ranging from 0% to 110%. The curve starts at 0% for 10 MPH, remains at 0% until approximately 14 MPH, then rises steeply between 16 MPH and 25 MPH, reaching 100% at 25 MPH, and remains at 100% for all higher speeds.

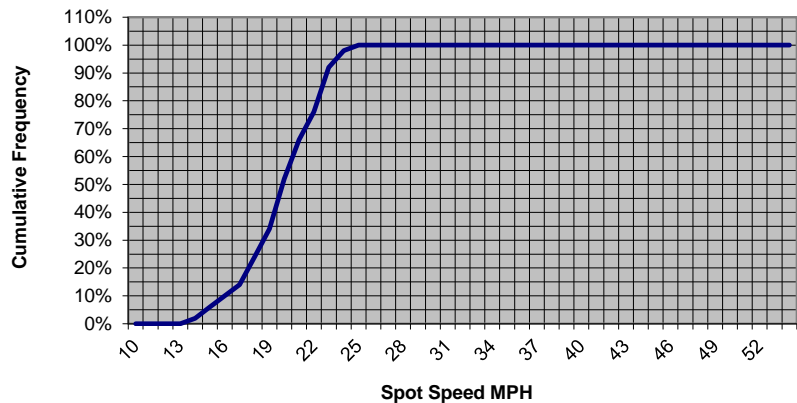
Spot Speed (MPH)	Cumulative Frequency (%)
10	0.00
11	0.00
12	0.00
13	0.00
14	0.00
15	2.00
16	6.00
17	10.00
18	14.00
19	24.00
20	34.00
21	52.00
22	66.00
23	76.00
24	92.00
25	100.00
26	100.00
27	100.00
28	100.00
29	100.00
30	100.00
31	100.00
32	100.00
33	100.00
34	100.00
35	100.00
36	100.00
37	100.00
38	100.00
39	100.00
40	100.00
41	100.00
42	100.00
43	100.00
44	100.00
45	100.00
46	100.00
47	100.00
48	100.00
49	100.00
50	100.00
51	100.00
52	100.00
53	100.00
54	100.00

Frequency Distribution

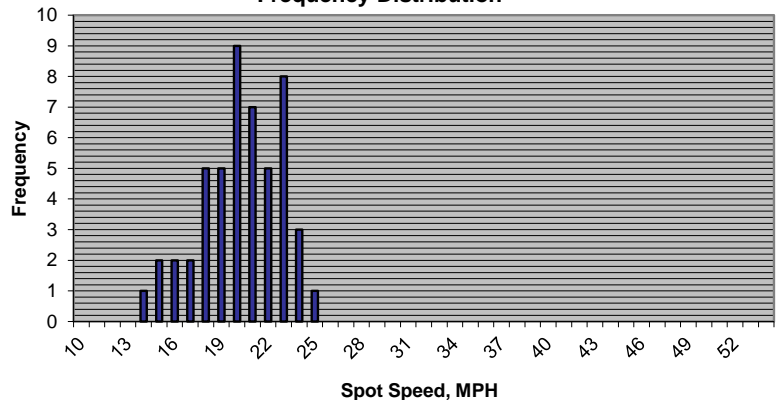
This histogram shows the frequency of vehicles at each speed. The x-axis represents Spot Speed in MPH (10 to 54), and the y-axis represents Frequency (0 to 10). The distribution is unimodal and slightly right-skewed, with a peak frequency of 9 vehicles at 21 MPH.

Spot Speed (MPH)	Frequency
14	1
15	2
16	2
17	2
18	5
19	5
20	9
21	7
22	5
23	8
24	3
25	1

Cumulative Frequency Distribution



Frequency Distribution





CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	<u>Salinas Street</u>	Direction:	<u>NBD/SBD</u>	Comments:	
Between:	<u>West Market Street & Clay Street</u>	No. 114			
Survey Location:	<u>Salinas Street & John Street</u>				
Speed Limit:	<u>25</u> MPH				
Date:	<u>04/25/25</u>				
Hours:	From:	<u>03:57</u>	To:	<u>04:37</u>	
Weather:	<u>Sunny</u>				
Observer(s):	<u>Sean L. & Eva H.</u>				

MPH	Frequency	Percent	Cumulative %	Data Analysis:			
10	0	0.00%	0.00%	<div>Time Mean Speed: 19.4 MPH</div> <div>Sample Variance: 7.29</div> <div>Standard Deviation: 2.7</div> <div>Variance of the Mean: 0.0729</div> <div>Standard Error of the Mean: 0.3</div> <div>10 MPH Pace: 15 To: 24 MPH</div> <div>Percent in Pace: 96.0%</div> <div>Vehicles in Pace: 96</div> <div>50th Percentile Speed: 20 MPH</div> <div>85th Percentile Speed: 22 MPH</div> <div>90th Percentile Speed: 23 MPH</div> <div>95th Percentile Speed: 24 MPH</div>			
11	0	0.00%	0.00%				
12	0	0.00%	0.00%				
13	0	0.00%	0.00%				
14	3	3.00%	3.00%				
15	6	6.00%	9.00%				
16	10	10.00%	19.00%				
17	7	7.00%	26.00%				
18	10	10.00%	36.00%				
19	9	9.00%	45.00%				
20	20	20.00%	65.00%				
21	13	13.00%	78.00%				
22	7	7.00%	85.00%				
23	9	9.00%	94.00%				
24	5	5.00%	99.00%				
25	1	1.00%	100.00%				
26	0	0.00%	100.00%				
27	0	0.00%	100.00%				
28	0	0.00%	100.00%				
29	0	0.00%	100.00%				
30	0	0.00%	100.00%				
31	0	0.00%	100.00%				
32	0	0.00%	100.00%				
33	0	0.00%	100.00%				
34	0	0.00%	100.00%				
35	0	0.00%	100.00%				
36	0	0.00%	100.00%				
37	0	0.00%	100.00%				
38	0	0.00%	100.00%				
39	0	0.00%	100.00%				
40	0	0.00%	100.00%				
41	0	0.00%	100.00%				
42	0	0.00%	100.00%				
43	0	0.00%	100.00%				
44	0	0.00%	100.00%				
45	0	0.00%	100.00%				
46	0	0.00%	100.00%				
47	0	0.00%	100.00%				
48	0	0.00%	100.00%				
49	0	0.00%	100.00%				
50	0	0.00%	100.00%				
51	0	0.00%	100.00%				
52	0	0.00%	100.00%				
53	0	0.00%	100.00%				
54	0	0.00%	100.00%				
Totals:	100	100.00%					

Cumulative Frequency Distribution

This graph plots Cumulative Frequency (0% to 110%) against Spot Speed MPH (10 to 54). The curve starts at 0% for 10 MPH, remains at 0% until approximately 14 MPH, then rises steeply, passing 50% at 20 MPH and 90% at 24 MPH, before leveling off at 100% from 26 MPH onwards.

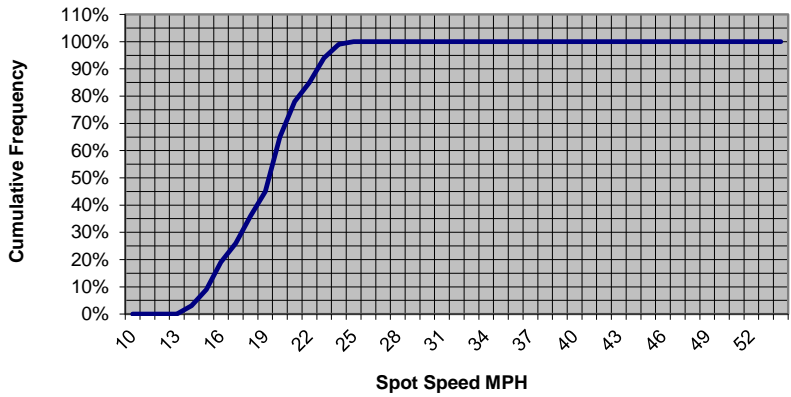
Spot Speed MPH	Cumulative Frequency (%)
10	0.00
11	0.00
12	0.00
13	0.00
14	0.00
15	3.00
16	9.00
17	19.00
18	26.00
19	36.00
20	45.00
21	65.00
22	78.00
23	85.00
24	94.00
25	99.00
26	100.00
27	100.00
28	100.00
29	100.00
30	100.00
31	100.00
32	100.00
33	100.00
34	100.00
35	100.00
36	100.00
37	100.00
38	100.00
39	100.00
40	100.00
41	100.00
42	100.00
43	100.00
44	100.00
45	100.00
46	100.00
47	100.00
48	100.00
49	100.00
50	100.00
51	100.00
52	100.00
53	100.00
54	100.00

Frequency Distribution

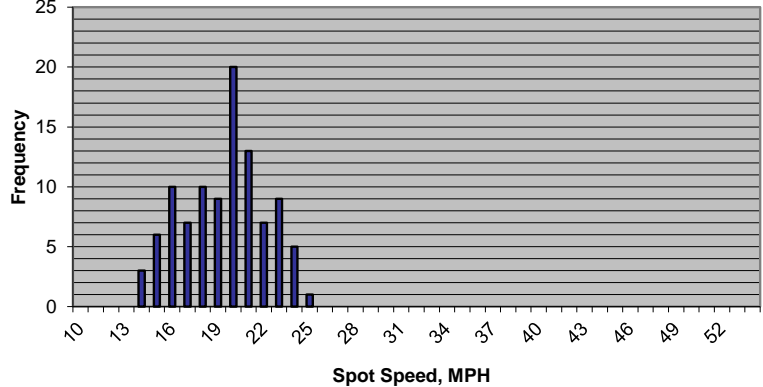
This histogram shows the frequency of spot speeds. The distribution is roughly bell-shaped, centered around 20 MPH. The highest frequency is 20 vehicles at 20 MPH. Frequencies drop to zero for speeds above 26 MPH.

Spot Speed, MPH	Frequency
14	3
15	6
16	10
17	7
18	10
19	9
20	20
21	13
22	7
23	7
24	9
25	5
26	1

Cumulative Frequency Distribution



Frequency Distribution



SITE CODE
114

SPEED SURVEY FIELD SHEET
CITY OF SALINAS

LOCATION Salinas St. between W. Market St. and Clay St.

DATE 04/25/25 DAY Friday TIME 3:57 TO 4:37

OBSERVER Sean L. CALCULATED BY _____ WEATHER _____

oncoming

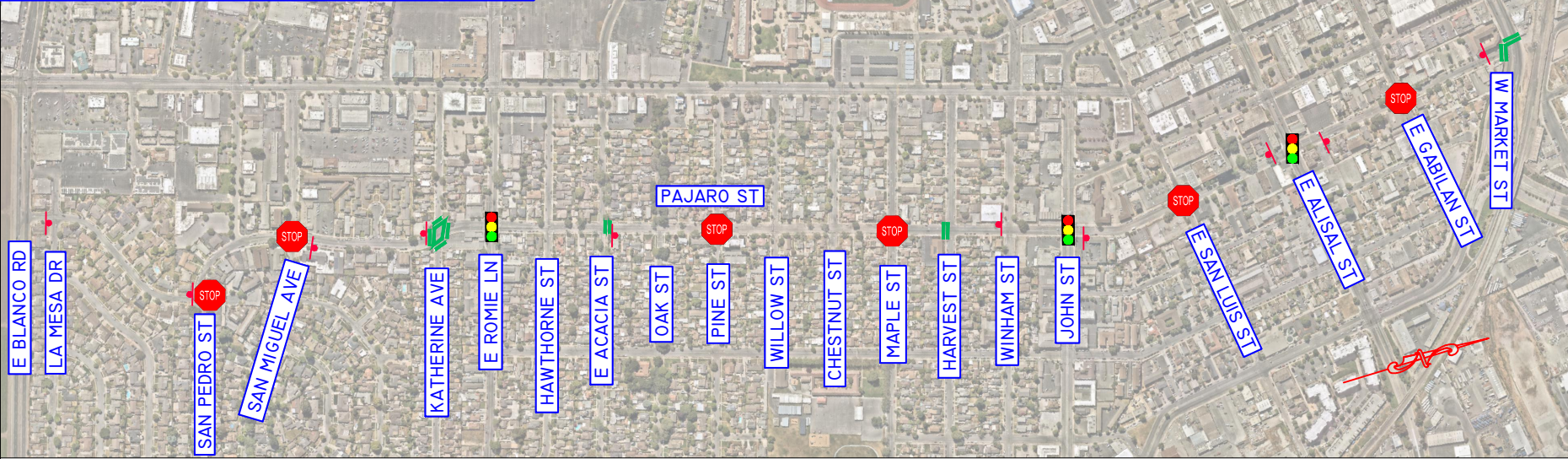
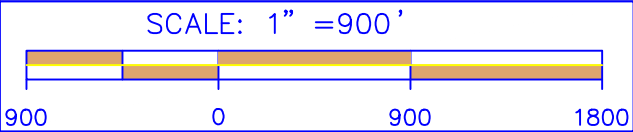
Direction: N.B.

MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
66				
65				
64				
63				
62				
61				
60				
59				
58				
57				
56				
55				
54				
53				
52				
51				
50				
49				
48				
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32				
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30				
29				
28				
27				
26				
25				
24	/			
23	/			
22	/			
21	/	/		
20	/	/	/	
19	/	/	/	
18	/	/	/	
17	/	/	/	
16	/	/	/	
15	/	/	/	
14	/	/	/	
13	/	/	/	
12	/	/	/	
11	/	/	/	
10	/	/	/	

going








Direction: S.B.

MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
66				
65				
64				
63				
62				
61				
60				
59				
58				
57				
56				
55				
54				
53				
52				
51				
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25	/			
24	/	/		
23	/	/	/	
22	/	/	/	
21	/	/	/	
20	/	/	/	
19	/	/	/	
18	/	/	/	
17	/	/	/	
16	/	/	/	
15	/	/	/	
14	/	/	/	
13	/	/	/	
12	/	/	/	
11	/	/	/	
10	/	/	/	



COMMENTS:

This segment of Pajaro Street is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes fronting residential homes and office use. Speed data collected on April 25, 2025, revealed the 85th percentile speed of 31 mph. The 10 mph pace ranges from 23 mph to 32 mph and suggests the 85th percentile is within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded down and reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 25 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 8,950 Feet	<div> ALL-WAY STOP</div> <div> SIGNAL</div> <div> SPEED LIMIT SIGN</div> <div> CITY LIMITS</div> <div> CROSSWALK</div> <div> SCHOOL CROSSWALK</div>	
Vertical Alignment	Flat		
Street Width	48 Feet		
No. Lanes and Median	2-Lane Minor Arterial		
Proposed Speed Zone	25 MPH		
85th Percentile Speed	31 MPH		
Traffic Volume (Date)	6,598 (2025)		
Accident Data (2 years)	30 Collisions (2022-2023)		
Street Segment Collision Rate = $\frac{\text{Collisions}}{\text{Years}} \times \frac{1,000,000}{\text{ADT} \times \text{Length in Miles}}$	3.67 Acc./MVM		



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Pajaro Street	Direction:	NBD		
Between:	East Market Street & East Blanco Road	Comments: No. 116			
Survey Location:	Pajaro Street & East Acacia Street				
Speed Limit:	25 MPH				
Date:	04/25/25				
Hours:	From: 03:26	To:	03:40		
Weather:	Sunny				
Observer(s):	Sean L. & Eva H.				

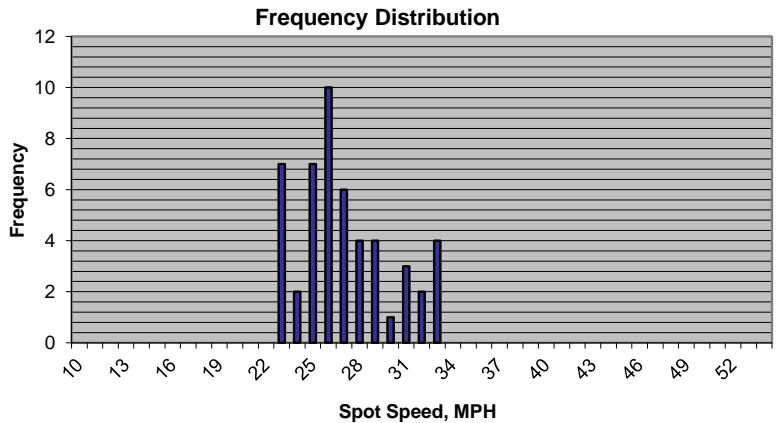
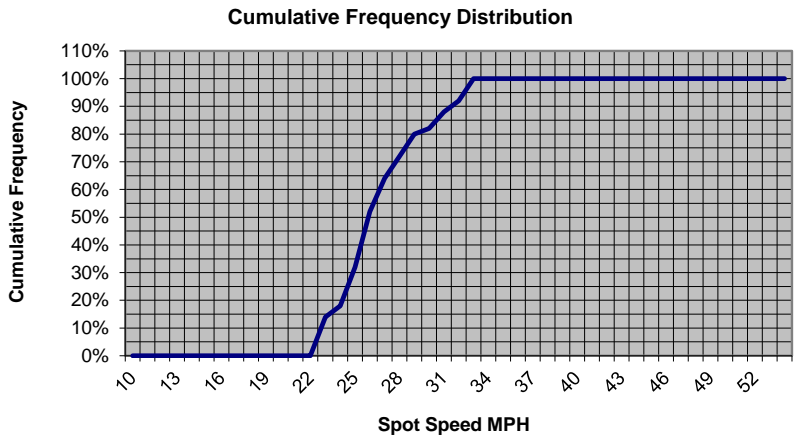
MPH	Frequency	Percent	Cumulative %	Data Analysis:			
10	0	0.00%	0.00%	<div><div>Time Mean Speed:27.1MPH</div><div>Sample Variance:8.96</div><div>Standard Deviation:3.0</div><div>Variance of the Mean:0.1792</div><div>Standard Error of the Mean:0.4</div><div>10 MPH Pace:23To:32MPH</div><div>Percent in Pace:92.0%</div><div>Vehicles in Pace:46</div><div>50th Percentile Speed:26MPH</div><div>85th Percentile Speed:31MPH</div><div>90th Percentile Speed:32MPH</div><div>95th Percentile Speed:33MPH</div></div>			
11	0	0.00%	0.00%				
12	0	0.00%	0.00%				
13	0	0.00%	0.00%				
14	0	0.00%	0.00%				
15	0	0.00%	0.00%				
16	0	0.00%	0.00%				
17	0	0.00%	0.00%				
18	0	0.00%	0.00%				
19	0	0.00%	0.00%				
20	0	0.00%	0.00%				
21	0	0.00%	0.00%				
22	0	0.00%	0.00%				
23	7	14.00%	14.00%				
24	2	4.00%	18.00%				
25	7	14.00%	32.00%				
26	10	20.00%	52.00%				
27	6	12.00%	64.00%				
28	4	8.00%	72.00%				
29	4	8.00%	80.00%				
30	1	2.00%	82.00%				
31	3	6.00%	88.00%				
32	2	4.00%	92.00%				
33	4	8.00%	100.00%				
34	0	0.00%	100.00%				
35	0	0.00%	100.00%				
36	0	0.00%	100.00%				
37	0	0.00%	100.00%				
38	0	0.00%	100.00%				
39	0	0.00%	100.00%				
40	0	0.00%	100.00%				
41	0	0.00%	100.00%				
42	0	0.00%	100.00%				
43	0	0.00%	100.00%				
44	0	0.00%	100.00%				
45	0	0.00%	100.00%				
46	0	0.00%	100.00%				
47	0	0.00%	100.00%				
48	0	0.00%	100.00%				
49	0	0.00%	100.00%				
50	0	0.00%	100.00%				
51	0	0.00%	100.00%				
52	0	0.00%	100.00%				
53	0	0.00%	100.00%				
54	0	0.00%	100.00%				
Totals:	50	100.00%					

Cumulative Frequency Distribution

Spot Speed MPH	Cumulative Frequency (%)
10	0
11	0
12	0
13	0
14	0
15	0
16	0
17	0
18	0
19	0
20	0
21	0
22	0
23	14
24	18
25	32
26	52
27	64
28	72
29	80
30	82
31	88
32	92
33	100
34	100
35	100
36	100
37	100
38	100
39	100
40	100
41	100
42	100
43	100
44	100
45	100
46	100
47	100
48	100
49	100
50	100
51	100
52	100

Frequency Distribution

Spot Speed, MPH	Frequency
10	0
11	0
12	0
13	0
14	0
15	0
16	0
17	0
18	0
19	0
20	0
21	0
22	0
23	7
24	2
25	7
26	10
27	6
28	4
29	4
30	1
31	3
32	2
33	4
34	0
35	0
36	0
37	0
38	0
39	0
40	0
41	0
42	0
43	0
44	0
45	0
46	0
47	0
48	0
49	0
50	0
51	0
52	0





CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

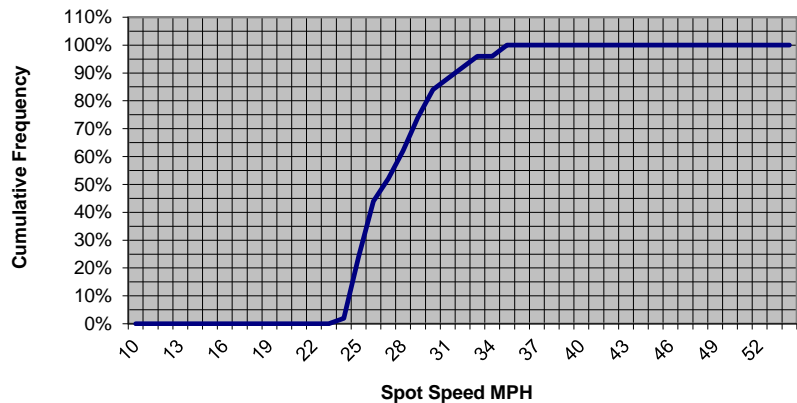
Street:	Pajaro Street	Direction:	SBD	Comments:
Between:	East Market Street & East Blanco Road	No. 116		
Survey Location:	Pajaro Street & East Acacia Street			
Speed Limit:	25 MPH			
Date:	04/25/25			
Hours:	From: 03:26	To:	03:40	
Weather:	Sunny			
Observer(s):	Sean L. & Eva H.			

MPH	Frequency	Percent	Cumulative %
10	0	0.00%	0.00%
11	0	0.00%	0.00%
12	0	0.00%	0.00%
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	0	0.00%	0.00%
19	0	0.00%	0.00%
20	0	0.00%	0.00%
21	0	0.00%	0.00%
22	0	0.00%	0.00%
23	0	0.00%	0.00%
24	1	2.00%	2.00%
25	11	22.00%	24.00%
26	10	20.00%	44.00%
27	4	8.00%	52.00%
28	5	10.00%	62.00%
29	6	12.00%	74.00%
30	5	10.00%	84.00%
31	2	4.00%	88.00%
32	2	4.00%	92.00%
33	2	4.00%	96.00%
34	0	0.00%	96.00%
35	2	4.00%	100.00%
36	0	0.00%	100.00%
37	0	0.00%	100.00%
38	0	0.00%	100.00%
39	0	0.00%	100.00%
40	0	0.00%	100.00%
41	0	0.00%	100.00%
42	0	0.00%	100.00%
43	0	0.00%	100.00%
44	0	0.00%	100.00%
45	0	0.00%	100.00%
46	0	0.00%	100.00%
47	0	0.00%	100.00%
48	0	0.00%	100.00%
49	0	0.00%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
Totals:	50	100.00%	

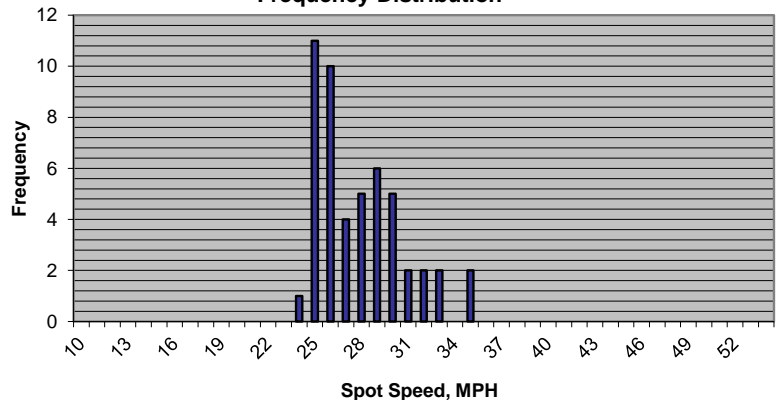
Data Analysis:

Time Mean Speed:	27.9	MPH
Sample Variance:	7.80	
Standard Deviation:	2.8	
Variance of the Mean:	0.1560	
Standard Error of the Mean:	0.4	
10 MPH Pace:	24	To: 33 MPH
Percent in Pace:	96.0%	
Vehicles in Pace:	48	
50th Percentile Speed:	27	MPH
85th Percentile Speed:	31	MPH
90th Percentile Speed:	32	MPH
95th Percentile Speed:	33	MPH

Cumulative Frequency Distribution



Frequency Distribution





CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

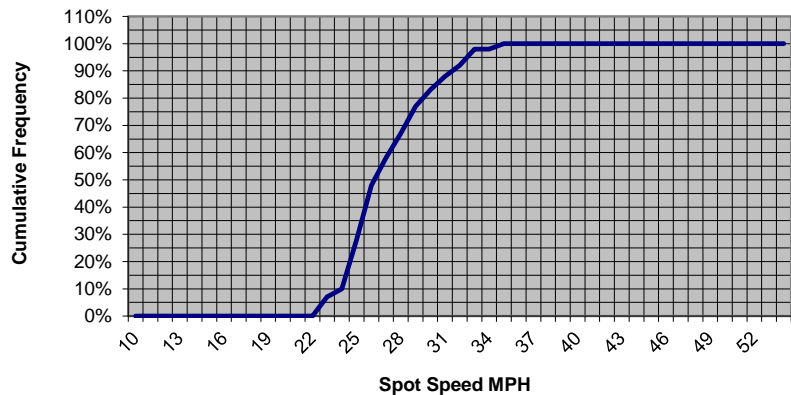
Street:	<u>Pajaro Street</u>	Direction:	<u>NBD/SBD</u>		Comments:
Between:	<u>East Market Street & East Blanco Road</u>	No. 116			
Survey Location:	<u>Pajaro Street & East Acacia Street</u>				
Speed Limit:	<u>25</u> MPH				
Date:	<u>04/25/25</u>				
Hours:	From: <u>03:26</u>	To:	<u>03:40</u>		
Weather:	<u>Sunny</u>				
Observer(s):	<u>Sean L. & Eva H.</u>				

MPH	Frequency	Percent	Cumulative %
10	0	0.00%	0.00%
11	0	0.00%	0.00%
12	0	0.00%	0.00%
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	0	0.00%	0.00%
19	0	0.00%	0.00%
20	0	0.00%	0.00%
21	0	0.00%	0.00%
22	0	0.00%	0.00%
23	7	7.00%	7.00%
24	3	3.00%	10.00%
25	18	18.00%	28.00%
26	20	20.00%	48.00%
27	10	10.00%	58.00%
28	9	9.00%	67.00%
29	10	10.00%	77.00%
30	6	6.00%	83.00%
31	5	5.00%	88.00%
32	4	4.00%	92.00%
33	6	6.00%	98.00%
34	0	0.00%	98.00%
35	2	2.00%	100.00%
36	0	0.00%	100.00%
37	0	0.00%	100.00%
38	0	0.00%	100.00%
39	0	0.00%	100.00%
40	0	0.00%	100.00%
41	0	0.00%	100.00%
42	0	0.00%	100.00%
43	0	0.00%	100.00%
44	0	0.00%	100.00%
45	0	0.00%	100.00%
46	0	0.00%	100.00%
47	0	0.00%	100.00%
48	0	0.00%	100.00%
49	0	0.00%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
Totals:	100	100.00%	

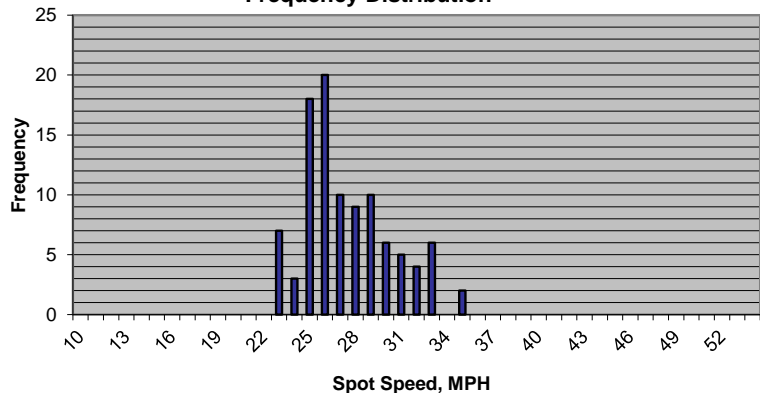
Data Analysis:

Time Mean Speed:	<u>27.5</u>	MPH
Sample Variance:	<u>8.45</u>	
Standard Deviation:	<u>2.9</u>	
Variance of the Mean:	<u>0.0845</u>	
Standard Error of the Mean:	<u>0.3</u>	
10 MPH Pace:	<u>23</u>	To: <u>32</u> MPH
Percent in Pace:	<u>92.0%</u>	
Vehicles in Pace:	<u>92</u>	
50th Percentile Speed:	<u>27</u>	MPH
85th Percentile Speed:	<u>31</u>	MPH
90th Percentile Speed:	<u>32</u>	MPH
95th Percentile Speed:	<u>33</u>	MPH

Cumulative Frequency Distribution



Frequency Distribution



SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE

116

LOCATION

Pajaro St. between E. Market St. and E. Blanco Rd.

DATE

04/25/25 DAY Friday

TIME

3:26 TO 3:40

OBSERVER

Sean L.

CALCULATED BY

WEATHER

Sunny

Direction:

N.B.

MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
66				
65				
64				
63				
62				
61				
60				
59				
58				
57				
56				
55				
54				
53				
52				
51				
50				
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48				
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46				
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11				
10				

Direction:

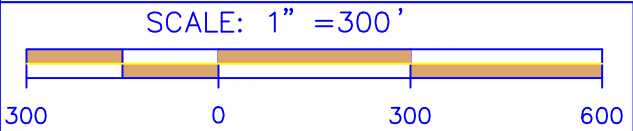
S.B.

MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
66				
65				
64				
63				
62				
61				
60				
59				
58				
57				
56				
55				
54				
53				
52				
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43				
42				
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10				

CITY OF SALINAS
TRANSPORTATION & ENGINEERING
TRAFFIC SURVEY

STREET: **HEBBRON AVENUE**
BETWEEN: **E MARKET ST & JOHN ST**
SURVEY DATE: **06/04/2025 (EXPIRES IN 2030)**

117



COMMENTS:

This segment of Hebbron Avenue is classified as a collector in the City of Salinas General Plan. The surrounding land use includes fronting residential homes and office areas. Speed data collected on June 4, 2025, revealed the 85th percentile speed of 28 mph. The 10 mph pace ranges from 20 mph to 29 mph and suggests the 85th percentile is within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded up and reduced by 5 mph per MUTCD option 2, the existing posted speed limit of 25 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL
Distance	Approximately 2,450 Feet	ALL-WAY STOP SIGNAL SPEED LIMIT SIGN CITY LIMITS CROSSWALK SCHOOL CROSSWALK
Vertical Alignment	Flat	
Street Width	Varies (36 to 42 Feet)	
No. Lanes and Median	2-Lane Collector	
Proposed Speed Zone	25 MPH	
85th Percentile Speed	28 MPH	
Traffic Volume (Date)	4,988 (2025)	
Accident Data (2 years)	3 Collisions (2022-2023)	
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	1.78 Acc./MVM	





CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	<u>Hebbron Avenue</u>	Direction:	<u>NBD</u>	Comments: No. 117
Between:	<u>East Market Street & John Street</u>			
Survey Location:	<u>700 North Hebbron Avenue</u>			
Speed Limit:	<u>25</u> MPH			
Date:	<u>06/04/25</u>	Day:	<u>Wednesday</u>	
Hours: From:	<u>02:30</u>	To:	<u>03:23</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Rodolfo C</u>			

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	1	2.00%	2.00%	
17	0	0.00%	2.00%	
18	0	0.00%	2.00%	
19	0	0.00%	2.00%	
20	2	4.00%	6.00%	
21	4	8.00%	14.00%	
22	4	8.00%	22.00%	
23	6	12.00%	34.00%	
24	7	14.00%	48.00%	
25	5	10.00%	58.00%	
26	8	16.00%	74.00%	
27	7	14.00%	88.00%	
28	1	2.00%	90.00%	
29	1	2.00%	92.00%	
30	2	4.00%	96.00%	
31	1	2.00%	98.00%	
32	0	0.00%	98.00%	
33	0	0.00%	98.00%	
34	0	0.00%	98.00%	
35	0	0.00%	98.00%	
36	0	0.00%	98.00%	
37	0	0.00%	98.00%	
38	0	0.00%	98.00%	
39	0	0.00%	98.00%	
40	0	0.00%	98.00%	
41	0	0.00%	98.00%	
42	1	2.00%	100.00%	
43	0	0.00%	100.00%	
44	0	0.00%	100.00%	
45	0	0.00%	100.00%	
46	0	0.00%	100.00%	
47	0	0.00%	100.00%	
48	0	0.00%	100.00%	
49	0	0.00%	100.00%	
50	0	0.00%	100.00%	
51	0	0.00%	100.00%	
52	0	0.00%	100.00%	
53	0	0.00%	100.00%	
54	0	0.00%	100.00%	
Totals:	50	100.00%		

Data Analysis:

Time Mean Speed:	24.9	MPH
Sample Variance:	14.24	
Standard Deviation:	3.8	
Variance of the Mean:	0.2848	
Standard Error of the Mean:	0.5	
10 MPH Pace:	20	To: 29 MPH
Percent in Pace:	90.0%	
Vehicles in Pace:	45	
50th Percentile Speed:	25	MPH
85th Percentile Speed:	27	MPH
90th Percentile Speed:	28	MPH
95th Percentile Speed:	30	MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

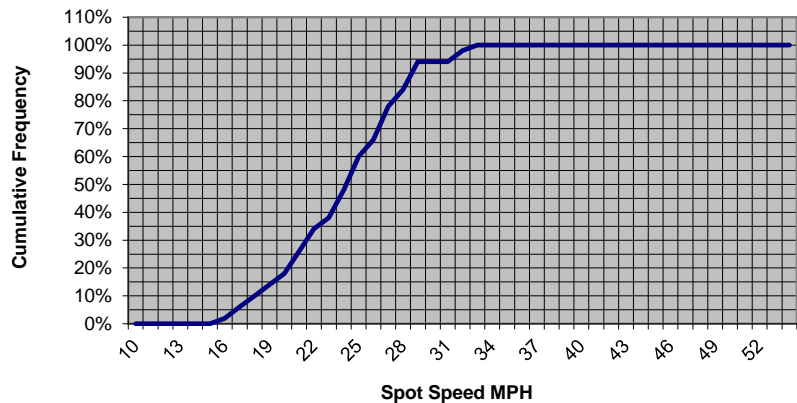
Street:	<u>Hebbron Avenue</u>	Direction:	<u>SBD</u>	Comments: <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 117</div>
Between:	<u>East Market Street & John Street</u>			
Survey Location:	<u>700 North Hebbron Avenue</u>			
Speed Limit:	<u>25</u> MPH			
Date:	<u>06/04/25</u>	Day:	<u>Wednesday</u>	
Hours:	From: <u>02:30</u>	To:	<u>03:23</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Rodolfo C</u>			

MPH	Frequency	Percent	Cumulative %
10	0	0.00%	0.00%
11	0	0.00%	0.00%
12	0	0.00%	0.00%
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	1	2.00%	2.00%
17	2	4.00%	6.00%
18	2	4.00%	10.00%
19	2	4.00%	14.00%
20	2	4.00%	18.00%
21	4	8.00%	26.00%
22	4	8.00%	34.00%
23	2	4.00%	38.00%
24	5	10.00%	48.00%
25	6	12.00%	60.00%
26	3	6.00%	66.00%
27	6	12.00%	78.00%
28	3	6.00%	84.00%
29	5	10.00%	94.00%
30	0	0.00%	94.00%
31	0	0.00%	94.00%
32	2	4.00%	98.00%
33	1	2.00%	100.00%
34	0	0.00%	100.00%
35	0	0.00%	100.00%
36	0	0.00%	100.00%
37	0	0.00%	100.00%
38	0	0.00%	100.00%
39	0	0.00%	100.00%
40	0	0.00%	100.00%
41	0	0.00%	100.00%
42	0	0.00%	100.00%
43	0	0.00%	100.00%
44	0	0.00%	100.00%
45	0	0.00%	100.00%
46	0	0.00%	100.00%
47	0	0.00%	100.00%
48	0	0.00%	100.00%
49	0	0.00%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
Totals:	50	100.00%	

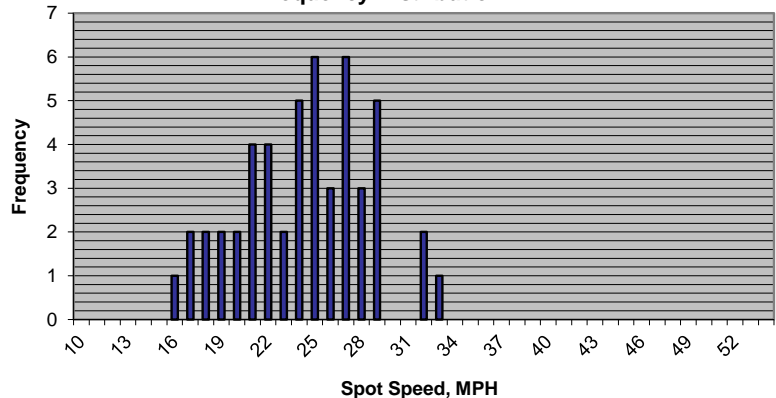
Data Analysis:

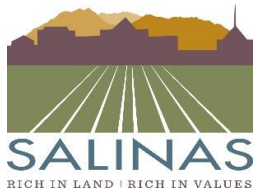
Time Mean Speed:	<u>24.4</u>	MPH
Sample Variance:	<u>16.68</u>	
Standard Deviation:	<u>4.1</u>	
Variance of the Mean:	<u>0.3336</u>	
Standard Error of the Mean:	<u>0.6</u>	
10 MPH Pace:	<u>20</u>	To: <u>29</u> MPH
Percent in Pace:	<u>80.0%</u>	
Vehicles in Pace:	<u>40</u>	
50th Percentile Speed:	<u>25</u>	MPH
85th Percentile Speed:	<u>29</u>	MPH
90th Percentile Speed:	<u>29</u>	MPH
95th Percentile Speed:	<u>32</u>	MPH

Cumulative Frequency Distribution



Frequency Distribution





CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	<u>Hebbron Avenue</u>	Direction:	<u>NBD/SBD</u>		Comments:
Between:	<u>East Market Street & John Street</u>	No. 117			
Survey Location:	<u>700 North Hebbron Avenue</u>				
Speed Limit:	<u>25</u> MPH				
Date:	<u>06/04/25</u>				
Hours:	From: <u>02:30</u>	To:	<u>03:23</u>		
Weather:	<u>Sunny</u>				
Observer(s):	<u>Rodolfo C</u>				

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	2	2.00%	2.00%	
17	2	2.00%	4.00%	
18	2	2.00%	6.00%	
19	2	2.00%	8.00%	
20	4	4.00%	12.00%	
21	8	8.00%	20.00%	
22	8	8.00%	28.00%	
23	8	8.00%	36.00%	
24	12	12.00%	48.00%	
25	11	11.00%	59.00%	
26	11	11.00%	70.00%	
27	13	13.00%	83.00%	
28	4	4.00%	87.00%	
29	6	6.00%	93.00%	
30	2	2.00%	95.00%	
31	1	1.00%	96.00%	
32	2	2.00%	98.00%	
33	1	1.00%	99.00%	
34	0	0.00%	99.00%	
35	0	0.00%	99.00%	
36	0	0.00%	99.00%	
37	0	0.00%	99.00%	
38	0	0.00%	99.00%	
39	0	0.00%	99.00%	
40	0	0.00%	99.00%	
41	0	0.00%	99.00%	
42	1	1.00%	100.00%	
43	0	0.00%	100.00%	
44	0	0.00%	100.00%	
45	0	0.00%	100.00%	
46	0	0.00%	100.00%	
47	0	0.00%	100.00%	
48	0	0.00%	100.00%	
49	0	0.00%	100.00%	
50	0	0.00%	100.00%	
51	0	0.00%	100.00%	
52	0	0.00%	100.00%	
53	0	0.00%	100.00%	
54	0	0.00%	100.00%	
Totals:	100	100.00%		

Data Analysis:

Time Mean Speed:	24.6	MPH
Sample Variance:	15.38	
Standard Deviation:	3.9	
Variance of the Mean:	0.1538	
Standard Error of the Mean:	0.4	
10 MPH Pace:	20	To: 29 MPH
Percent in Pace:	85.0%	
Vehicles in Pace:	85	
50th Percentile Speed:	25	MPH
85th Percentile Speed:	28	MPH
90th Percentile Speed:	29	MPH
95th Percentile Speed:	30	MPH

Cumulative Frequency Distribution

Frequency Distribution

SITE CODE

117

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

LOCATION

Hebbron Ave. between E. Market St. and John St.

DATE

06/04

DAY

Wednesday

TIME

2:30

TO

3:23

OBSERVER

Rodolfo C

CALCULATED BY

Rodolfo C

WEATHER

Sunny

Direction:

N.B. / AWAY

MPH	Number of Vehicles <u>AWAY</u>			
	5	10	15	20
70				
69				
68				
67				
66				
65				
64				
63				
62				
61				
60				
59				
58				
57				
56				
55				
54				
53				
52				
51				
50				
49				
48				
47				
46				
45				
44				
43				
42	X			
41				
40				
39				
38				
37				
36				
35				
34				
33				
32				
31	X			
30	X			
29	X			
28	X			
27	X	X		
26	X	X		
25	X	X		
24	X	X		
23	X	X		
22	X	X		
21	X	X		
20	X	X		
19				
18				
17				
16	X			
15				
14				
13				
12				
11				
10				

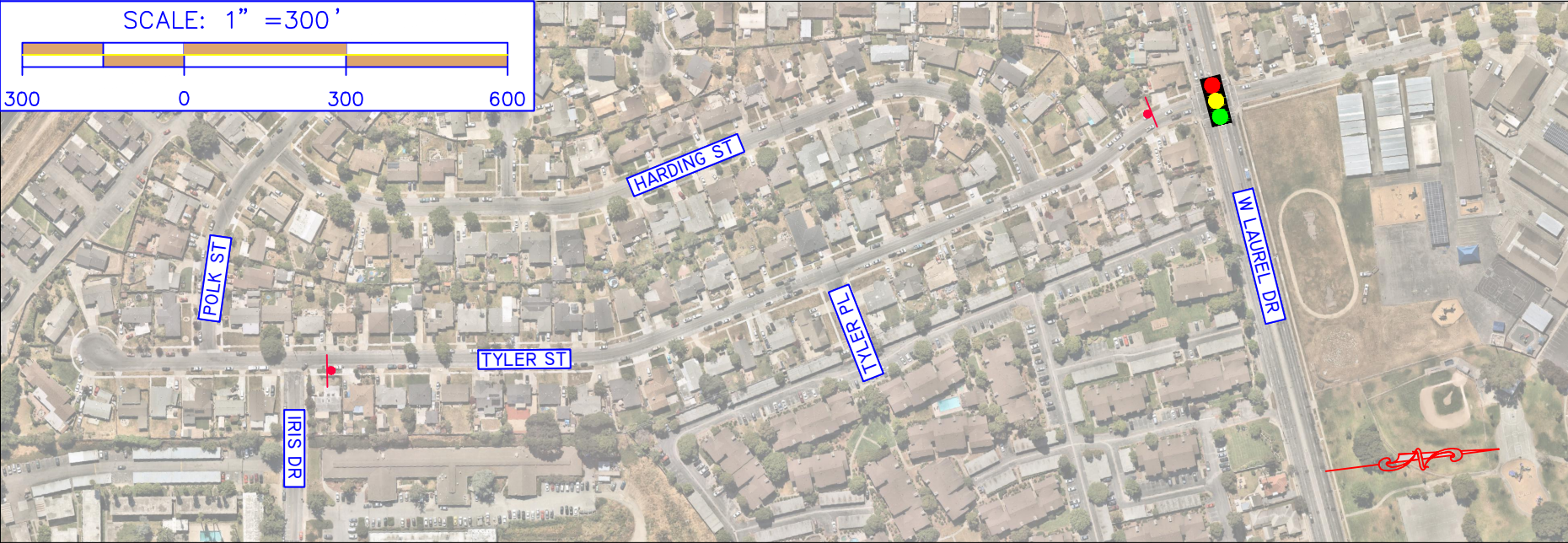
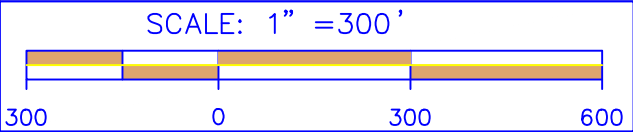
|||||

Direction:

S.B.








MPH	Number of Vehicles <u>CLOSE</u>			
	5	10	15	20
70				
69				
68				
67				
66				
65				
64				
63				
62				
61				
60				
59				
58				
57				
56				
55				
54				
53				
52				
51				
50				
49				
48				
47				
46				
45				
44				
43				
42				
41				
40				
39				
38				
37				
36				
35				
34				
33	X			
32	X			
31	X			
30				
29	X	X		
28	X	X		
27	X	X		
26	X	X		
25	X	X		
24	X	X		
23	X	X		
22	X	X		
21	X	X		
20	X	X		
19	X			
18	X			
17	X			
16	X			
15				
14				
13				
12				
11				
10				

|||||



COMMENTS:

This segment of Tyler Street is classified as a collector in the City of Salinas General Plan. The surround land use includes fronting residential homes. Speed data collected April 28, 2025 revealed the 85th percentile speed of 26 mph. The 10 mph pace ranges from 19 mph to 28 mph and suggests the 85th percentile is within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded down, the existing posted speed limit of 25 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 1,800 Feet	<div> ALL-WAY STOP</div> <div> SIGNAL</div> <div> SPEED LIMIT SIGN</div> <div> CITY LIMITS</div> <div> CROSSWALK</div> <div> SCHOOL CROSSWALK</div>	
Vertical Alignment	Flat		
Street Width	32 Feet		
No. Lanes and Median	2-Lane Collector		
Proposed Speed Zone	25 MPH		
85th Percentile Speed	26 MPH		
Traffic Volume (Date)	2,394 (2025)		
Accident Data (2 years)	4 Collisions (2022-2023)		
Street Segment Collision Rate = $\frac{\text{Collisions}}{\text{Years}} \frac{1,000,000}{\text{ADT}} \frac{1}{\text{Length in Miles}}$	6.73 Acc./MVM		



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Tyler Street	Direction:	NBD		
Between:	Iris Drive & West Laurel Drive	Comments: No. 118			
Survey Location:	1062 Tyler Street				
Speed Limit:	25 MPH				
Date:	04/28/25				
Hours:	From: 01:42	To:	02:34		
Weather:	Sunny				
Observer(s):	Rodolfo C				

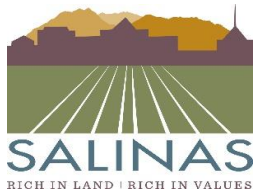
MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	2	4.00%	4.00%	
17	3	6.00%	10.00%	
18	3	6.00%	16.00%	
19	5	10.00%	26.00%	
20	6	12.00%	38.00%	
21	3	6.00%	44.00%	
22	4	8.00%	52.00%	
23	8	16.00%	68.00%	
24	6	12.00%	80.00%	
25	4	8.00%	88.00%	
26	1	2.00%	90.00%	
27	2	4.00%	94.00%	
28	2	4.00%	98.00%	
29	1	2.00%	100.00%	
30	0	0.00%	100.00%	
31	0	0.00%	100.00%	
32	0	0.00%	100.00%	
33	0	0.00%	100.00%	
34	0	0.00%	100.00%	
35	0	0.00%	100.00%	
36	0	0.00%	100.00%	
37	0	0.00%	100.00%	
38	0	0.00%	100.00%	
39	0	0.00%	100.00%	
40	0	0.00%	100.00%	
41	0	0.00%	100.00%	
42	0	0.00%	100.00%	
43	0	0.00%	100.00%	
44	0	0.00%	100.00%	
45	0	0.00%	100.00%	
46	0	0.00%	100.00%	
47	0	0.00%	100.00%	
48	0	0.00%	100.00%	
49	0	0.00%	100.00%	
50	0	0.00%	100.00%	
51	0	0.00%	100.00%	
52	0	0.00%	100.00%	
53	0	0.00%	100.00%	
54	0	0.00%	100.00%	
Totals:	50	100.00%		

Data Analysis:

Time Mean Speed:	21.9	MPH
Sample Variance:	10.65	
Standard Deviation:	3.3	
Variance of the Mean:	0.2130	
Standard Error of the Mean:	0.5	
10 MPH Pace:	16	To: 25 MPH
Percent in Pace:	88.0%	
Vehicles in Pace:	44	
50th Percentile Speed:	22	MPH
85th Percentile Speed:	25	MPH
90th Percentile Speed:	26	MPH
95th Percentile Speed:	28	MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Tyler Street	Direction:	SBD	Comments:
Between:	Iris Drive & West Laurel Drive	No. 118		
Survey Location:	1062 Tyler Street			
Speed Limit:	25 MPH			
Date:	04/28/25			
Hours:	From: 01:42	To:	02:34	
Weather:	Sunny			
Observer(s):	Rodolfo C			

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	0	0.00%	0.00%	
19	2	4.00%	4.00%	
20	2	4.00%	8.00%	
21	5	10.00%	18.00%	
22	7	14.00%	32.00%	
23	5	10.00%	42.00%	
24	9	18.00%	60.00%	
25	5	10.00%	70.00%	
26	5	10.00%	80.00%	
27	1	2.00%	82.00%	
28	2	4.00%	86.00%	
29	3	6.00%	92.00%	
30	3	6.00%	98.00%	
31	0	0.00%	98.00%	
32	0	0.00%	98.00%	
33	1	2.00%	100.00%	
34	0	0.00%	100.00%	
35	0	0.00%	100.00%	
36	0	0.00%	100.00%	
37	0	0.00%	100.00%	
38	0	0.00%	100.00%	
39	0	0.00%	100.00%	
40	0	0.00%	100.00%	
41	0	0.00%	100.00%	
42	0	0.00%	100.00%	
43	0	0.00%	100.00%	
44	0	0.00%	100.00%	
45	0	0.00%	100.00%	
46	0	0.00%	100.00%	
47	0	0.00%	100.00%	
48	0	0.00%	100.00%	
49	0	0.00%	100.00%	
50	0	0.00%	100.00%	
51	0	0.00%	100.00%	
52	0	0.00%	100.00%	
53	0	0.00%	100.00%	
54	0	0.00%	100.00%	
Totals:	50	100.00%		

Data Analysis:

Time Mean Speed:	24.3	MPH
Sample Variance:	9.90	
Standard Deviation:	3.1	
Variance of the Mean:	0.1980	
Standard Error of the Mean:	0.4	
10 MPH Pace:	21	To: 30 MPH
Percent in Pace:	90.0%	
Vehicles in Pace:	45	
50th Percentile Speed:	24	MPH
85th Percentile Speed:	28	MPH
90th Percentile Speed:	29	MPH
95th Percentile Speed:	30	MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Tyler Street	Direction:	NBD/SBD		Comments:
Between:	Iris Drive & West Laurel Drive	No. 118			
Survey Location:	1062 Tyler Street				
Speed Limit:	25 MPH				
Date:	04/28/25				
Hours:	From: 01:42	To:	02:34		
Weather:	Sunny				
Observer(s):	Rodolfo C				

MPH	Frequency	Percent	Cumulative %	Data Analysis:			
10	0	0.00%	0.00%	<div><div>Time Mean Speed:23.1MPH</div><div>Sample Variance:11.62</div><div>Standard Deviation:3.4</div><div>Variance of the Mean:0.1162</div><div>Standard Error of the Mean:0.3</div><div>10 MPH Pace:19To:28MPH</div><div>Percent in Pace:84.0%</div><div>Vehicles in Pace:84</div><div>50th Percentile Speed:23MPH</div><div>85th Percentile Speed:26MPH</div><div>90th Percentile Speed:28MPH</div><div>95th Percentile Speed:29MPH</div></div>			
11	0	0.00%	0.00%				
12	0	0.00%	0.00%				
13	0	0.00%	0.00%				
14	0	0.00%	0.00%				
15	0	0.00%	0.00%				
16	2	2.00%	2.00%				
17	3	3.00%	5.00%				
18	3	3.00%	8.00%				
19	7	7.00%	15.00%				
20	8	8.00%	23.00%				
21	8	8.00%	31.00%				
22	11	11.00%	42.00%				
23	13	13.00%	55.00%				
24	15	15.00%	70.00%				
25	9	9.00%	79.00%				
26	6	6.00%	85.00%				
27	3	3.00%	88.00%				
28	4	4.00%	92.00%				
29	4	4.00%	96.00%				
30	3	3.00%	99.00%				
31	0	0.00%	99.00%				
32	0	0.00%	99.00%				
33	1	1.00%	100.00%				
34	0	0.00%	100.00%				
35	0	0.00%	100.00%				
36	0	0.00%	100.00%				
37	0	0.00%	100.00%				
38	0	0.00%	100.00%				
39	0	0.00%	100.00%				
40	0	0.00%	100.00%				
41	0	0.00%	100.00%				
42	0	0.00%	100.00%				
43	0	0.00%	100.00%				
44	0	0.00%	100.00%				
45	0	0.00%	100.00%				
46	0	0.00%	100.00%				
47	0	0.00%	100.00%				
48	0	0.00%	100.00%				
49	0	0.00%	100.00%				
50	0	0.00%	100.00%				
51	0	0.00%	100.00%				
52	0	0.00%	100.00%				
53	0	0.00%	100.00%				
54	0	0.00%	100.00%				
Totals:	100	100.00%					

Cumulative Frequency Distribution

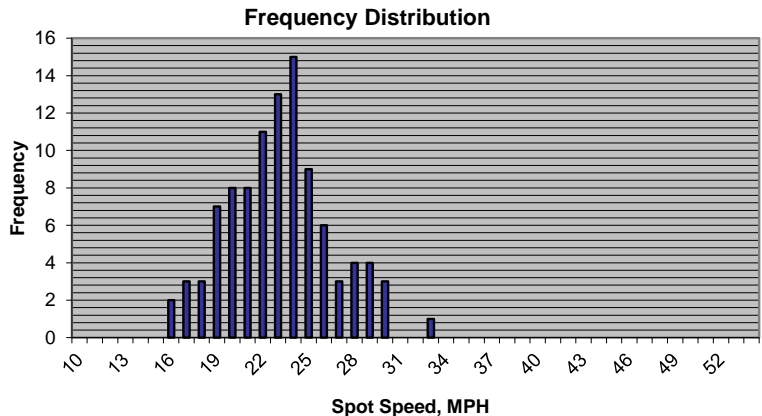
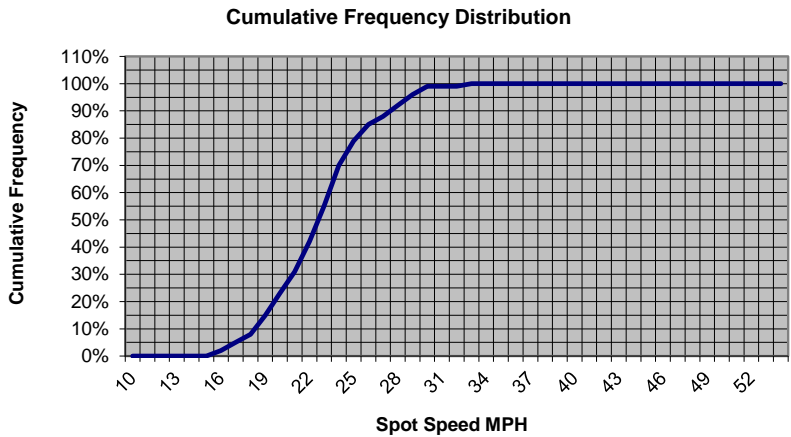
Cumulative Frequency

Spot Speed MPH

Frequency Distribution

Frequency

Spot Speed, MPH



SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE

118

LOCATION

Tyler St. between Iris Dr. and W. Laurel Dr.

DATE

04/28

DAY

Monday

TIME

1:42

TO

2:34

OBSERVER

Rodolfo C

CALCULATED BY

Rodolfo C

WEATHER

Sunny

Direction:

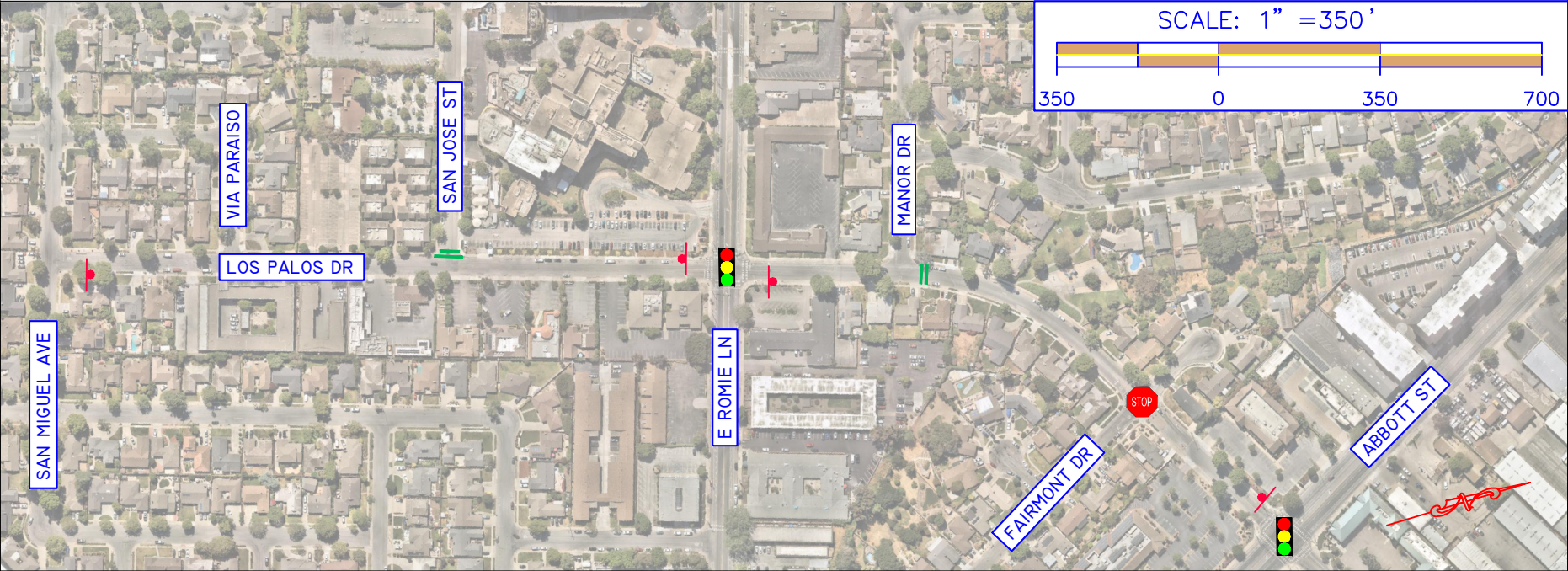
N.B.

MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
66				
65				
64				
63				
62				
61				
60				
59				
58				
57				
56				
55				
54				
53				
52				
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43				
42				
41				
40				
39				
38				
37				
36				
35				
34				
33				
32				
31				
30				
29	X			
28	X			
27	X			
26	X			
25	X			
24	X			
23	X			
22	X			
21	X			
20	X			
19	X			
18	X			
17	X			
16	X			
15				
14				
13				
12				
11				
10				

Direction:








S.B.

MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
66				
65				
64				
63				
62				
61				
60				
59				
58				
57				
56				
55				
54				
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42				
41				
40				
39				
38				
37				
36				
35				
34				
33	X			
32	X			
31	X			
30	X			
29	X			
28	X			
27	X			
26	X			
25	X			
24	X			
23	X			
22	X			
21	X			
20	X			
19	X			
18				
17				
16				
15				
14				
13				
12				
11				
10				



COMMENTS:

This segment of Los Palos Drive is classified as a collector in the City of Salinas General Plan. The surrounding land use includes residential homes, hospital, office, and park use. Speed data collected on April 25, 2025, revealed the 85th percentile speed of 28 mph. The 10 mph pace ranges from 17 mph to 26 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded up and reduced by 5 mph per MUTCD option 2, the existing posted speed limit of 25 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 2,900 Feet	<div> ALL-WAY STOP</div> <div> SIGNAL</div> <div> SPEED LIMIT SIGN</div> <div> CITY LIMITS</div> <div> CROSSWALK</div> <div> SCHOOL CROSSWALK</div>	
Vertical Alignment	Flat		
Street Width	38 Feet		
No. Lanes and Median	2-Lane Collector		
Proposed Speed Zone	25 MPH		
85th Percentile Speed	28 MPH		
Traffic Volume (Date)	2,981 (2024)		
Accident Data (2 years)	4 Collisions (2022-2023)		
Street Segment Collision Rate = $\frac{\text{Collisions}}{\text{Years}} \times \frac{1,000,000}{\text{ADT} \times \text{Length in Miles}}$	3.35 Acc./MVM		



CITY OF SALINAS

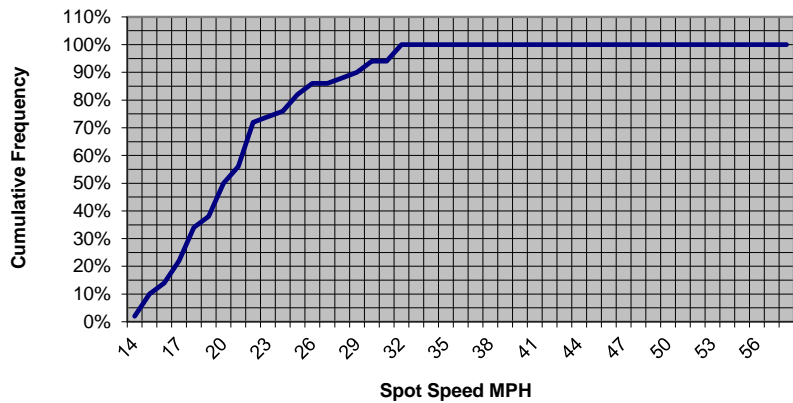
DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

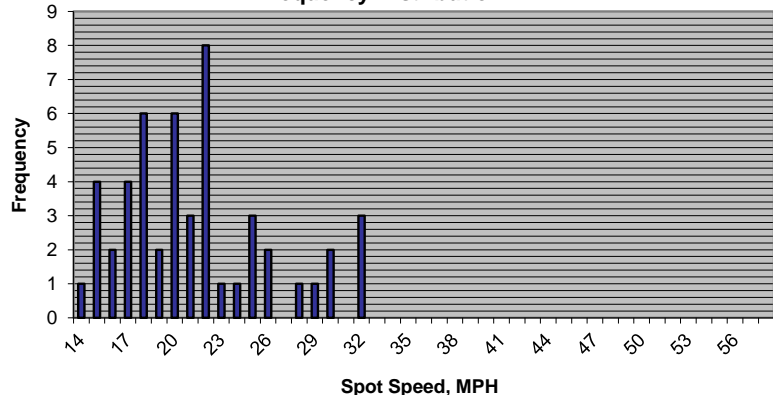
Street:	Los Palos Drive	Direction:	NBD		Comments:
Between:	San Miguel Avenue and Abbott Street	No. 121			
Survey Location:	1139 Los Palos Drive				
Speed Limit:	25 MPH				
Date:	04/22/25				
Hours:	From: 12:37	To:	01:03		
Weather:	Clear				
Observer(s):	Alejandro M.				

MPH	Frequency	Percent	Cumulative %	
14	1	2.00%	2.00%	Data Analysis:
15	4	8.00%	10.00%	
16	2	4.00%	14.00%	
17	4	8.00%	22.00%	
18	6	12.00%	34.00%	
19	2	4.00%	38.00%	
20	6	12.00%	50.00%	
21	3	6.00%	56.00%	
22	8	16.00%	72.00%	
23	1	2.00%	74.00%	
24	1	2.00%	76.00%	Time Mean Speed: 21.3 MPH
25	3	6.00%	82.00%	Sample Variance: 23.00
26	2	4.00%	86.00%	Standard Deviation: 4.8
27	0	0.00%	86.00%	Variance of the Mean: 0.4600
28	1	2.00%	88.00%	Standard Error of the Mean: 0.7
29	1	2.00%	90.00%	10 MPH Pace: 14 To: 23 MPH
30	2	4.00%	94.00%	Percent in Pace: 74.0%
31	0	0.00%	94.00%	Vehicles in Pace: 37
32	3	6.00%	100.00%	50th Percentile Speed: 20 MPH
33	0	0.00%	100.00%	85th Percentile Speed: 26 MPH
34	0	0.00%	100.00%	90th Percentile Speed: 29 MPH
35	0	0.00%	100.00%	95th Percentile Speed: 32 MPH
36	0	0.00%	100.00%	
37	0	0.00%	100.00%	
38	0	0.00%	100.00%	
39	0	0.00%	100.00%	
40	0	0.00%	100.00%	
41	0	0.00%	100.00%	
42	0	0.00%	100.00%	
43	0	0.00%	100.00%	
44	0	0.00%	100.00%	
45	0	0.00%	100.00%	
46	0	0.00%	100.00%	
47	0	0.00%	100.00%	
48	0	0.00%	100.00%	
49	0	0.00%	100.00%	
50	0	0.00%	100.00%	
51	0	0.00%	100.00%	
52	0	0.00%	100.00%	
53	0	0.00%	100.00%	
54	0	0.00%	100.00%	
55	0	0.00%	100.00%	
56	0	0.00%	100.00%	
57	0	0.00%	100.00%	
58	0	0.00%	100.00%	
Totals:	50	100.00%		

Cumulative Frequency Distribution



Frequency Distribution





CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Los Palos Drive	Direction:	SBD	Comments:
Between:	San Miguel Avenue and Abbott Street			No. 121
Survey Location:	925 Los Palos Drive			
Speed Limit:	25 MPH			
Date:	04/22/25	Day:	Tuesday	
Hours: From:	01:49	To:	02:50	
Weather:	Clear			
Observer(s):	Rodolfo			

MPH	Frequency	Percent	Cumulative %	
14	1	2.00%	2.00%	
15	0	0.00%	2.00%	
16	0	0.00%	2.00%	
17	2	4.00%	6.00%	
18	0	0.00%	6.00%	
19	0	0.00%	6.00%	
20	4	8.00%	14.00%	
21	2	4.00%	18.00%	
22	6	12.00%	30.00%	
23	7	14.00%	44.00%	
24	4	8.00%	52.00%	
25	7	14.00%	66.00%	
26	3	6.00%	72.00%	
27	4	8.00%	80.00%	
28	1	2.00%	82.00%	
29	2	4.00%	86.00%	
30	4	8.00%	94.00%	
31	0	0.00%	94.00%	
32	1	2.00%	96.00%	
33	2	4.00%	100.00%	
34	0	0.00%	100.00%	
35	0	0.00%	100.00%	
36	0	0.00%	100.00%	
37	0	0.00%	100.00%	
38	0	0.00%	100.00%	
39	0	0.00%	100.00%	
40	0	0.00%	100.00%	
41	0	0.00%	100.00%	
42	0	0.00%	100.00%	
43	0	0.00%	100.00%	
44	0	0.00%	100.00%	
45	0	0.00%	100.00%	
46	0	0.00%	100.00%	
47	0	0.00%	100.00%	
48	0	0.00%	100.00%	
49	0	0.00%	100.00%	
50	0	0.00%	100.00%	
51	0	0.00%	100.00%	
52	0	0.00%	100.00%	
53	0	0.00%	100.00%	
54	0	0.00%	100.00%	
55	0	0.00%	100.00%	
56	0	0.00%	100.00%	
57	0	0.00%	100.00%	
58	0	0.00%	100.00%	
Totals:	50	100.00%		

Data Analysis:

Time Mean Speed:	24.5	MPH
Sample Variance:	16.13	
Standard Deviation:	4.0	
Variance of the Mean:	0.3226	
Standard Error of the Mean:	0.6	
10 MPH Pace:	20	To: 29 MPH
Percent in Pace:	80.0%	
Vehicles in Pace:	40	
50th Percentile Speed:	24	MPH
85th Percentile Speed:	29	MPH
90th Percentile Speed:	30	MPH
95th Percentile Speed:	32	MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

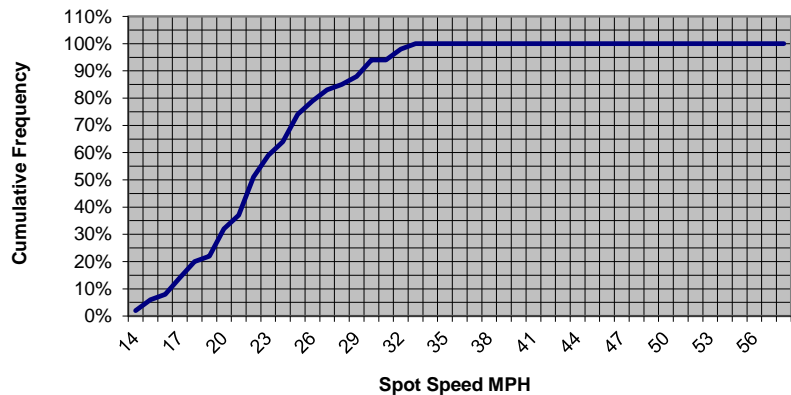
Street:	Los Palos Drive	Direction:	NBD/SBD	No. 121	Comments:
Between:	San Miguel Avenue and Abbott Street				
Survey Location:	1139 Los Palos Drive and 925 Los Palos Drive				
Speed Limit:	25 MPH				
Date:	04/22/25	Day:	Tuesday		
Hours:	From: 12:37	To:	01:03		
Weather:	Clear				
Observer(s):	Alejandro M.				

MPH	Frequency	Percent	Cumulative %
14	2	2.00%	2.00%
15	4	4.00%	6.00%
16	2	2.00%	8.00%
17	6	6.00%	14.00%
18	6	6.00%	20.00%
19	2	2.00%	22.00%
20	10	10.00%	32.00%
21	5	5.00%	37.00%
22	14	14.00%	51.00%
23	8	8.00%	59.00%
24	5	5.00%	64.00%
25	10	10.00%	74.00%
26	5	5.00%	79.00%
27	4	4.00%	83.00%
28	2	2.00%	85.00%
29	3	3.00%	88.00%
30	6	6.00%	94.00%
31	0	0.00%	94.00%
32	4	4.00%	98.00%
33	2	2.00%	100.00%
34	0	0.00%	100.00%
35	0	0.00%	100.00%
36	0	0.00%	100.00%
37	0	0.00%	100.00%
38	0	0.00%	100.00%
39	0	0.00%	100.00%
40	0	0.00%	100.00%
41	0	0.00%	100.00%
42	0	0.00%	100.00%
43	0	0.00%	100.00%
44	0	0.00%	100.00%
45	0	0.00%	100.00%
46	0	0.00%	100.00%
47	0	0.00%	100.00%
48	0	0.00%	100.00%
49	0	0.00%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%
57	0	0.00%	100.00%
58	0	0.00%	100.00%
Totals:	100	100.00%	

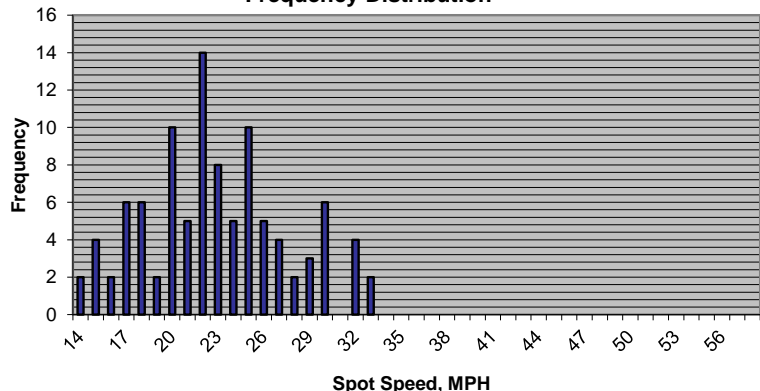
Data Analysis:

Time Mean Speed:	22.9	MPH
Sample Variance:	21.89	
Standard Deviation:	4.7	
Variance of the Mean:	0.2189	
Standard Error of the Mean:	0.5	
10 MPH Pace:	17	To: 26 MPH
Percent in Pace:	71.0%	
Vehicles in Pace:	71	
50th Percentile Speed:	22	MPH
85th Percentile Speed:	28	MPH
90th Percentile Speed:	30	MPH
95th Percentile Speed:	32	MPH

Cumulative Frequency Distribution



Frequency Distribution



SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE

121

LOCATION

Los Palos Dr. between San Miguel Ave. and Abbott St.

DATE

01/22

DAY

Tuesday

TIME

1:49

TO

2:50

OBSERVER

Rodolfo

CALCULATED BY

Alejandro M.

WEATHER

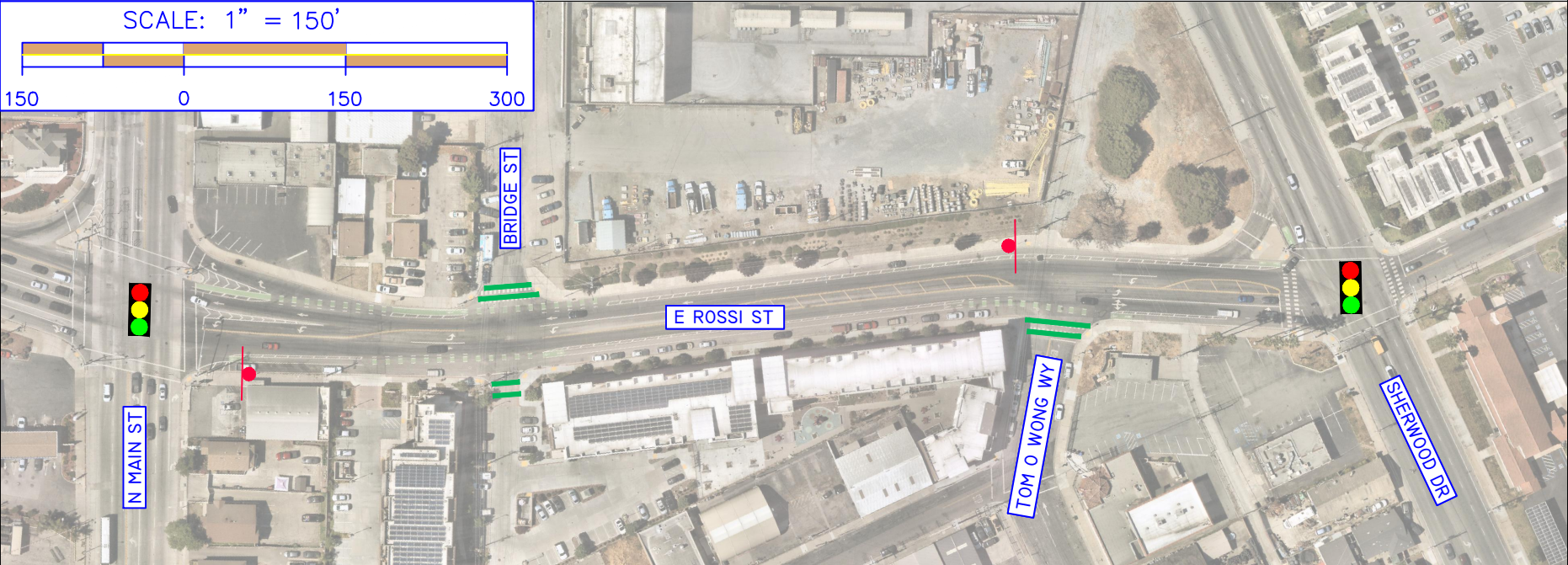
Clear

Direction:		N.B.															
MPH	Number of Vehicles																
	5				10				15				20				
70																	
69																	
68																	
67																	
66																	
65																	
64																	
63																	
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35																	
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33																	
32	X	X	X	X													
31																	
30	X	X	X														
29	X	X															
28	X																
27																	
26	X	X	X														
25	X	X	X	X													
24	X	X															
23	X																
22	X	X	X	X	X	X	X	X	X	X							
21	X	X	X	X	X	X	X	X	X	X							
20	X	X	X	X	X	X	X	X	X	X							
19	X	X	X														
18	X	X	X	X	X	X	X	X									
17	X	X	X	X	X												
16	X	X	X	X	X												
15	X	X	X	X	X												
14	X	X															
13																	
12																	
11																	
10																	

|||||








Direction:		S.B.																			
MPH	Number of Vehicles																				
	5				10				15				20								
70																					
69																					
68																					
67																					
66																					
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36																					
35																					
34																					
33	X	X																			
32	X																				
31																					
30	X	X	X	X	X																
29	X	X																			
28	X																				
27	X	X	X	X	X																
26	X	X	X	X																	
25	X	X	X	X	X	X	X	X	X												
24	X	X	X	X	X																
23	X	X	X	X	X	X	X	X	X	X											
22	X	X	X	X	X	X	X														
21	X	X																			
20	X	X	X	X																	
19																					
18																					
17	X	X																			
16																					
15																					
14	X																				
13																					
12																					
11																					
10																					

|||||



COMMENTS:

This segment of East Rossi Street is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes residential and industrial. Speed data collected on May 12, 2025, revealed the 85th percentile speed of 31 mph. The 10 mph pace ranges from 24 mph to 33 mph and suggests the 85th percentile is within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded down and reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 25 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 1,150 Feet	<div><div> ALL-WAY STOP</div><div> SIGNAL</div><div> SPEED LIMIT SIGN</div><div> CITY LIMITS</div><div> CROSSWALK</div><div> SCHOOL CROSSWALK</div></div>	
Vertical Alignment	Flat		
Street Width	Varies (60 to 65 Feet)		
No. Lanes and Median	3-Lane Minor Arterial		
Proposed Speed Zone	25 MPH		
85th Percentile Speed	31 MPH		
Traffic Volume (Date)	12,212 (2025)		
Accident Data (2 years)	1 Collisions (2022-2023)		
Street Segment Collision Rate = $\frac{\text{Collisions}}{\text{Years}} \frac{1,000,000}{\text{ADT}} \frac{1}{\text{Length in Miles}}$	0.51 Acc./MVM		



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	<u>East Rossi Street</u>	Direction:	<u>EBD</u>	Comments:
Between:	<u>North Main Street and Sherwood Drive</u>	No. 129		
Survey Location:	<u>151 East Rossi Street</u>			
Speed Limit:	<u>25</u> MPH			
Date:	<u>05/12/25</u>			
Hours:	From: <u>02:29</u>	Day:	<u>Monday</u>	
	To: <u>02:51</u>	To:	<u>02:51</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Rodolfo C</u>			

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	Data Analysis:
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	0	0.00%	0.00%	
19	1	2.00%	2.00%	
20	3	6.00%	8.00%	Time Mean Speed: <u>26.9</u> MPH
21	1	2.00%	10.00%	Sample Variance: <u>17.09</u>
22	3	6.00%	16.00%	Standard Deviation: <u>4.1</u>
23	2	4.00%	20.00%	Variance of the Mean: <u>0.3418</u>
24	7	14.00%	34.00%	Standard Error of the Mean: <u>0.6</u>
25	4	8.00%	42.00%	10 MPH Pace: <u>24</u> To: <u>33</u> MPH
26	4	8.00%	50.00%	Percent in Pace: <u>78.0%</u>
27	2	4.00%	54.00%	Vehicles in Pace: <u>39</u>
28	4	8.00%	62.00%	50th Percentile Speed: <u>26</u> MPH
29	3	6.00%	68.00%	85th Percentile Speed: <u>32</u> MPH
30	5	10.00%	78.00%	90th Percentile Speed: <u>32</u> MPH
31	2	4.00%	82.00%	95th Percentile Speed: <u>33</u> MPH
32	4	8.00%	90.00%	
33	4	8.00%	98.00%	
34	0	0.00%	98.00%	
35	1	2.00%	100.00%	
36	0	0.00%	100.00%	
37	0	0.00%	100.00%	
38	0	0.00%	100.00%	
39	0	0.00%	100.00%	
40	0	0.00%	100.00%	
41	0	0.00%	100.00%	
42	0	0.00%	100.00%	
43	0	0.00%	100.00%	
44	0	0.00%	100.00%	
45	0	0.00%	100.00%	
46	0	0.00%	100.00%	
47	0	0.00%	100.00%	
48	0	0.00%	100.00%	
49	0	0.00%	100.00%	
50	0	0.00%	100.00%	
51	0	0.00%	100.00%	
52	0	0.00%	100.00%	
53	0	0.00%	100.00%	
54	0	0.00%	100.00%	
Totals:	50	100.00%		

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

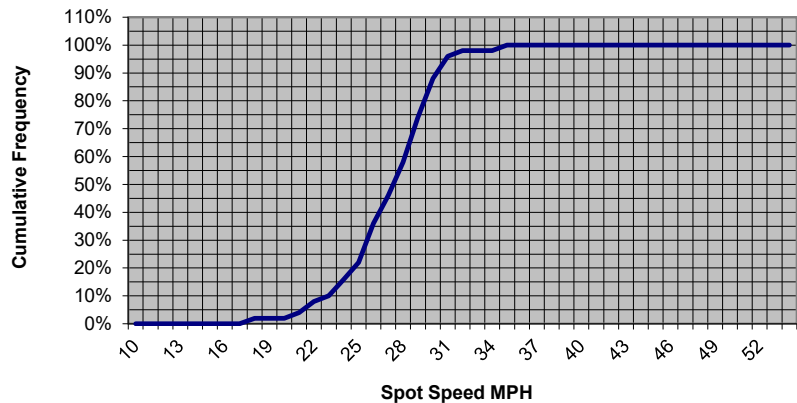
Street:	<u>East Rossi Street</u>	Direction:	<u>WBD</u>		Comments:
Between:	<u>North Main Street and Sherwood Drive</u>	No. 129			
Survey Location:	<u>151 East Rossi Street</u>				
Speed Limit:	<u>25</u> MPH				
Date:	<u>05/12/25</u>				
Hours:	From: <u>02:29</u>	To:	<u>02:51</u>		
Weather:	<u>Sunny</u>				
Observer(s):	<u>Rodolfo C</u>				

MPH	Frequency	Percent	Cumulative %
10	0	0.00%	0.00%
11	0	0.00%	0.00%
12	0	0.00%	0.00%
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	1	2.00%	2.00%
19	0	0.00%	2.00%
20	0	0.00%	2.00%
21	1	2.00%	4.00%
22	2	4.00%	8.00%
23	1	2.00%	10.00%
24	3	6.00%	16.00%
25	3	6.00%	22.00%
26	7	14.00%	36.00%
27	5	10.00%	46.00%
28	6	12.00%	58.00%
29	8	16.00%	74.00%
30	7	14.00%	88.00%
31	4	8.00%	96.00%
32	1	2.00%	98.00%
33	0	0.00%	98.00%
34	0	0.00%	98.00%
35	1	2.00%	100.00%
36	0	0.00%	100.00%
37	0	0.00%	100.00%
38	0	0.00%	100.00%
39	0	0.00%	100.00%
40	0	0.00%	100.00%
41	0	0.00%	100.00%
42	0	0.00%	100.00%
43	0	0.00%	100.00%
44	0	0.00%	100.00%
45	0	0.00%	100.00%
46	0	0.00%	100.00%
47	0	0.00%	100.00%
48	0	0.00%	100.00%
49	0	0.00%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
Totals:	50	100.00%	

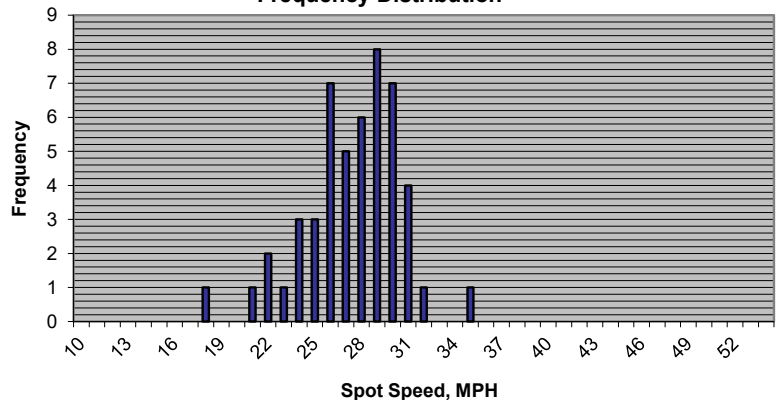
Data Analysis:

Time Mean Speed:	<u>27.4</u>	MPH
Sample Variance:	<u>9.68</u>	
Standard Deviation:	<u>3.1</u>	
Variance of the Mean:	<u>0.1936</u>	
Standard Error of the Mean:	<u>0.4</u>	
10 MPH Pace:	<u>22</u>	To: <u>31</u> MPH
Percent in Pace:	<u>92.0%</u>	
Vehicles in Pace:	<u>46</u>	
50th Percentile Speed:	<u>28</u>	MPH
85th Percentile Speed:	<u>30</u>	MPH
90th Percentile Speed:	<u>31</u>	MPH
95th Percentile Speed:	<u>31</u>	MPH

Cumulative Frequency Distribution



Frequency Distribution





CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	East Rossi Street	Direction:	EBD/WBD	Comments:	
Between:	North Main Street and Sherwood Drive	No. 129			
Survey Location:	151 East Rossi Street				
Speed Limit:	25 MPH				
Date:	05/12/25	Day:	Monday		
Hours:	From: 02:29	To:	02:51		
Weather:	Sunny				
Observer(s):	Rodolfo C				

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	1	1.00%	1.00%	
19	1	1.00%	2.00%	
20	3	3.00%	5.00%	
21	2	2.00%	7.00%	
22	5	5.00%	12.00%	
23	3	3.00%	15.00%	
24	10	10.00%	25.00%	
25	7	7.00%	32.00%	
26	11	11.00%	43.00%	
27	7	7.00%	50.00%	
28	10	10.00%	60.00%	
29	11	11.00%	71.00%	
30	12	12.00%	83.00%	
31	6	6.00%	89.00%	
32	5	5.00%	94.00%	
33	4	4.00%	98.00%	
34	0	0.00%	98.00%	
35	2	2.00%	100.00%	
36	0	0.00%	100.00%	
37	0	0.00%	100.00%	
38	0	0.00%	100.00%	
39	0	0.00%	100.00%	
40	0	0.00%	100.00%	
41	0	0.00%	100.00%	
42	0	0.00%	100.00%	
43	0	0.00%	100.00%	
44	0	0.00%	100.00%	
45	0	0.00%	100.00%	
46	0	0.00%	100.00%	
47	0	0.00%	100.00%	
48	0	0.00%	100.00%	
49	0	0.00%	100.00%	
50	0	0.00%	100.00%	
51	0	0.00%	100.00%	
52	0	0.00%	100.00%	
53	0	0.00%	100.00%	
54	0	0.00%	100.00%	
Totals:	100	100.00%		

Data Analysis:

Time Mean Speed:	27.2	MPH
Sample Variance:	13.32	
Standard Deviation:	3.6	
Variance of the Mean:	0.1332	
Standard Error of the Mean:	0.4	
10 MPH Pace:	24	To: 33 MPH
Percent in Pace:	83.0%	
Vehicles in Pace:	83	
50th Percentile Speed:	27	MPH
85th Percentile Speed:	31	MPH
90th Percentile Speed:	32	MPH
95th Percentile Speed:	33	MPH

Cumulative Frequency Distribution

Frequency Distribution

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE

129

LOCATION E. Rossi St. between N. Main St. and Sherwood Dr.

DATE 05/12 DAY Monday

TIME 2:29 TO 2:51

OBSERVER Rodolfo C

CALCULATED BY Rodolfo C

WEATHER Sunny

Direction: <u>E.B</u>				
MPH	Number of Vehicles <u>AWAY</u>			
	5	10	15	20
70				
69				
68				
67				
66				
65				
64				
63				
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11				
10				

Direction: <u>W.B</u>				
MPH	Number of Vehicles <u>CLOSE</u>			
	5	10	15	20
70				
69				
68				
67				
66				
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