



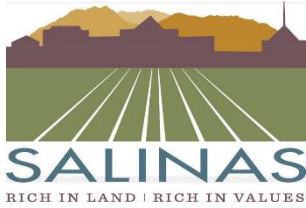
City of Salinas

PUBLIC WORKS DEPARTMENT • 200 Lincoln Ave • Salinas, California

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2021 Engineering and Traffic Survey For Speed Limits Technical Report

PREPARED BY:
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CERTIFICATION

I, Andrew Easterling, do hereby certify that this Engineering and Traffic Survey for the City of Salinas was performed under my supervision. I certify that I am experienced in performing surveys of this type and duly registered in the State of California as a professional Civil Engineer.





Andrew Easterling PE, TE
Traffic Engineer

INTRODUCTION:

The 2021 Engineering and Traffic (E&T) Surveys 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. This E&T Survey is 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 Transportation and Traffic 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&T Surveys may be extended to every seven (7) years if the arresting officer has completed device training and the device has been recently calibrated. E&T Surveys may be extended every ten (10) 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&T Survey should be conducted on new roadways or where traffic conditions have changed significantly.

The California Manual of Uniform Traffic Control Devices (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 California MUTCD allows for options to further reduce the speed limit. That methodology was applied to the twenty-nine (29) segments. **Table 1: Engineering and Traffic Survey Summary** summarizes the findings and recommendations for speed limits on those segments. The results of the E&T Surveys will be valid until 2025 & 2026, 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 California 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 regards 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 engineering and traffic 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 twenty-nine (29) roadway sections are listed in **Table 1: Engineering and Traffic Survey Summary:**

Engineering and Traffic Surveys Expiring 2025:

Unchanged

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 backing/fronting residential homes and retail use. Speed data collected November 20, 2020, revealed the 85th percentile speed of 45 mph. The 10 mph pace ranges from 33 mph to 42 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, and the 10 mph pace range, and the prevailing speeds reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 40 mph should be retained.

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/fronting residential, retail, office, and agricultural use. Speed data collected June 3, 2020, revealed the 85th percentile speed of 48 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, and 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 North Main Street and Adams 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 June 3, 2020, revealed the 85th percentile speed of 32 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, and 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.

110) Villa Street between West Market Street and Central Avenue - This segment of Villa Street is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes fronting residential homes, park, and school use. Speed data collected June 17, 2020, revealed the 85th percentile speed of 31 mph. The 10 mph pace ranges from 21 mph to 30 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, and 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.

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, park, and school use. Speed data collected August 17, 2020, revealed the 85th percentile speed of 30 mph. The 10 mph pace ranges from 20 mph to 29 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, and the 10 mph pace range, and the prevailing speeds reduced by 5 mph per MUTCD option 1, in compliance with CVC Sections 627 and 22358.5, the existing posted speed limit of 25 mph should be retained.

112) Clay Street between Iverson Street 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, park, office, and school use. Speed data collected September 4, 2020, revealed the 85th percentile speed of 30 mph. The 10 mph pace ranges from 22 mph to 31 mph and suggests the 85th percentile is within this range. Based on the surrounding land use, and the 10 mph pace range, and the prevailing speeds reduced by 5 mph per MUTCD option 1, in compliance with CVC Sections 627 and 22358.5, 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 mix and office use. Speed data collected October 20, 2020, revealed the 85th percentile speed of 30 mph. The 10 mph pace ranges from 21 mph to 30 mph and suggests the 85th percentile is within this range. Based on the surrounding land use, and the 10 mph pace range, and the prevailing speeds reduced by 5 mph per MUTCD option 1, in compliance with CVC Sections 627 and 22358.5, 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, mix, and office use. Speed data collected July 17, 2020, revealed the 85th percentile speed of 32 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, and 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 local/collector in the City of Salinas General Plan. Hebbroon Ave is classified as a major collector in the Federal Highway Administration functional classification system. The surrounding land use includes fronting residential homes and office use. Speed data collected October 29, 2020, revealed the 85th percentile speed of 27 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, and the 10 mph pace range, and the prevailing speeds rounded to the nearest 5 mph, 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 use. Speed data collected October 20, 2020, revealed the 85th percentile speed of 27 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, and the 10 mph pace range, and the prevailing speeds rounded to the nearest 5 mph, 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, hospital, office, and park use. Speed data collected September 3, 2020, 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, and 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.

Decreased

45) Romie Lane between Riker Street and Abbott Street - This segment of Romie Lane is classified as a minor arterial/collector in the City of Salinas General Plan. The surrounding land use includes residential homes, retail, office, hospital, and park use. Speed data collected October 20, 2020, revealed the 85th percentile speed of 35 mph. The 10 mph pace ranges from 24 mph to 33 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, and the 10 mph pace range, and the prevailing speeds reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 35 mph should be reduced to 30 mph.

Romie Lane currently displays different speed signs. The last speed survey certified a 35mph speed limit on East Romie Lane between California Street and Abbott Street. There is a 25 mph speed limit between California Street and Riker Street. The physical conditions and surrounding land uses are consistent between both relatively short segments; therefore, it is recommended that the speed zones be combined into one 1.37-mile-long speed zone consistent with MUTCD guidelines. The 2021 E&TS report will supersede previous E&TS reports.

Engineering and Traffic Surveys Expiring 2026:

Unchanged

75) Williams Road between East Alisal Street and East Boronda Road - This segment of Williams Road is classified as a major arterial in the City of Salinas General Plan. The surrounding land use includes fronting residential homes, retail, and school use. Speed data collected January 7, 2021, 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, and 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 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 mix and office use. More than 50% of the property contiguous to one side of the Salinas St is occupied by businesses, which meets the definition of a business district as defined in section 235 of the CVC. CVC Section 22352 sets the prima facie speed limit at 25 mph without posted signs. Speed data was collected April 29, 2021, revealed the 85th percentile speed of 30 mph. The 10 mph pace ranges from 22 mph to 31 mph and suggests the 85th percentile is within this range. Based on the surrounding land use, and the 10 mph pace range, and the prevailing speeds reduced by 5 mph per MUTCD option 1 in compliance with CVC Sections 627 and 22358.5, the existing posted speed limit of 25 mph should be retained.

115) Monterey Street between West Market Street and John Street - This segment of Monterey Street is classified as a major arterial in the City of Salinas General Plan. The surrounding land use includes mix use. More than 50% of the property contiguous to one side of the Salinas St is occupied by businesses, which meets the definition of a business district as defined in section 235 of the CVC. CVC Section 22352 sets the prima facie speed limit at 25 mph without posted signs. Speed data was collected August 11, 2021, revealed the 85th percentile speed of 28 mph. The 10 mph pace ranges from 16 mph to 25 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, and 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.

119) Terven Avenue between Sanborn Road and Airport Boulevard - This segment of Terven Avenue is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes industrial use. Speed data collected August 11, 2021, revealed the 85th percentile speed of 31 mph. The 10 mph pace ranges from 22 mph to 31 mph and suggests the 85th percentile is within this range. Based on the surrounding land use, and 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.

122) John Street between Wood Street and East Alisal Street - This segment of John Street is classified as a major arterial in the City of Salinas General Plan. The surrounding land use includes fronting residential homes, park, and school use. Speed data was collected August 10, 2021, revealed the 85th percentile speed of 38 mph. The 10 mph pace ranges from 27 mph to 36 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, and 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 35 mph should be retained.

124) Sconberg Parkway between Alisal Road and Freedom Parkway - This segment of Sconberg Parkway is classified as a major arterial in the City of Salinas General Plan. The surrounding land use includes backing residential homes, school, and agricultural use. Speed data was collected August 10, 2021, 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, and 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.

125) North Davis Road between Larkin Street and Westridge Parkway - This segment of North Davis Road is classified as a major arterial in the City of Salinas General Plan. The surrounding land use includes retail and school use. Speed data was collected August 5, 2021, revealed the 85th percentile speed of 41 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, and 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 retained.

126) West/East Alisal Street between Capitol Street and Front Street - This segment of West/East Alisal Street is classified as a major arterial in the City of Salinas General Plan. The surrounding land use includes retail, mix, and office use. More than 50% of the property contiguous to one side of the Salinas St is occupied by businesses, which meets the definition of a business district as defined in section 235 of the CVC. CVC Section 22352 sets the prima facie speed limit at 25 mph without posted signs. Speed data was collected August 10, 2021, revealed the 85th percentile speed of 26 mph. The 10 mph pace ranges from 16 mph to 25 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, and the 10 mph pace range, and the prevailing speeds rounded to the nearest 5 mph, the existing posted speed limit of 25 mph should be retained.

127) Towt Street between Garner Avenue and Freedom Pkwy - This segment of Towt Street is classified as a collector in the City of Salinas General Plan. The surrounding land use includes fronting residential homes, park, and school use. Speed data collected September 10, 2021, revealed the 85th percentile speed of 31 mph. The 10 mph pace ranges from 22 mph to 31 mph and suggests the 85th percentile is within this range. Based on the surrounding land use, and 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.

Decreased

3) Abbott Street between Sanborn 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 January 15, 2021, revealed the 85th percentile speed of 43 mph. The 10 mph pace ranges from 34 mph to 43 mph and suggests the 85th percentile is within this range. Based on the surrounding land use, and 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 reduced to 40 mph.

23) Chaparral Street between North Main Street and Natividad Road - This segment of Chaparral Street is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes fronting residential homes use. Speed data was collected July 15, 2021, 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, and the 10 mph pace range, and the prevailing speeds rounded to the nearest 5 mph, the existing posted speed limit of 25 mph should be retained and the speed limit should be reduced from 30 mph to 25 mph on westerly portion of the segment.

Chaparral Street between North Main St and Natividad Rd currently has different speed limits. The last speed survey certified a 30 mph speed between N Main St and Maryal Dr. The addition, per the FHWA road classification map, of the segment of Maryal Dr to Natividad Rd which contains 25 mph speed limit signs. The physical conditions and surrounding land use are consistent with between both relatively short segments; therefore, it is recommended that the speed zones be combined into one 1.07 mile-long speed zone consistent with the MUTCD guidelines. The 2021 E&TS report will supersede previous E&TS reports.

27) Constitution Boulevard between Independence Boulevard and 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 January 8, 2021, revealed the 85th percentile speed of 47 mph. The 10 mph pace ranges from 38 mph to 47 mph and suggests the 85th percentile is within this range. Based on the surrounding land use, and 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 45 mph should be reduced to 40 mph.

Increased

5) Airport Boulevard between Skyway Boulevard and Hansen Street - This segment of Airport Boulevard is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes industrial and business park use. Speed data collected January 7, 2021, revealed the 85th percentile speed of 50 mph. The 10 mph pace ranges from 39 mph to 48 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, and the 10 mph pace range, and the prevailing speeds reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 45 mph should be retained and the speed limit should be increased from 25 mph to 45 mph on westerly portion of the segment.

Airport Boulevard currently displays different speed limit signs. The addition, per the FHWA road classification map, of the segment of Roy Diaz St to Hansen St which contains 25 mph speed limit signs. The physical conditions and surrounding land use are consistent between both relatively short segments; therefore, it is recommended that the speed zones to be combined into one 1.08-mile-long speed zone consistent with MUTCD guidelines. The 2021 E&TS report will supersede previous E&TS reports.

72) Towt Street between East Alisal Street and Garner Avenue - This segment of Towt Street is classified as a collector in the City of Salinas General Plan. The surrounding land use includes fronting residential homes, park, and school use. Speed data collected August 11, 2021, revealed the 85th percentile speed of 34 mph. The 10 mph pace ranges from 25 mph to 34 mph and suggests the 85th percentile is within this range. Based on the surrounding land use, and 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 increased to 30 mph.

108) Post Drive between Calle Del Adobe and North Davis Road - This segment of Post Drive is classified as a major arterial in the City of Salinas General Plan. The surrounding land use includes retail use. Speed data collected June 25, 2021, revealed the 85th percentile speed of 34 mph. The 10 mph pace ranges from 24 mph to 33 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, and 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 increased to 30 mph.

120) Hansen Street between Airport Boulevard and Harkins Road - This segment of Hansen Street is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes industrial use. Speed data collected July 2, 2021, revealed the 85th percentile speed of 35 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, and the 10 mph pace range, and the prevailing speeds reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 25 mph should be increased to 30 mph.

123) Freedom Parkway between Williams Road and Sconberg Parkway - This segment of Freedom Parkway is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes backing residential homes, park, and school use. Speed data was collected August 12, 2021, revealed the 85th percentile speed of 40 mph. The 10 mph pace ranges from 32 mph to 41 mph and suggests the 85th percentile is within this range. Based on the surrounding land use, and the 10 mph pace range, and the prevailing speeds reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 25 mph should be increased to 35 mph.

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	SEGMENT	Existing Speed Limit (mph)	85 th -Percentile Speed (mph)			MUTCD Applied Reduction Option	SURVEY EXPIRATION
				Measured	Rounded	Recommended		
3	Abbott Street	Sanborn Road to Harkins Road	45	43	45	40	2	01/15/26
5	Airport Boulevard	Skyway Boulevard to Hansen Street	25/45*	50	50	45	1	01/07/26
23	Chaparral Street	Main Street to Natividad Road	25/30*	26	25	25	-	07/15/26
27	Constitution Boulevard	Independence Boulevard to Boronda Road	45	47	45	40	1	01/08/26
45	Romie Lane	Riker Street to Abbott Street	25/35*	35	35	30	1	10/20/25
47	Natividad Road	East Bernal Drive to East Laurel Drive	40	45	45	40	1	11/20/25
63	San Juan Grade Road	North Main Street to Russell Road	45	48	50	45	2	06/03/25
72	Towt Street	East Alisal Street to Garner Avenue	25	34	35	30	2	08/11/26
75	Williams Road	East Alisal Steet to Boronda Road	35	42	40	35	1	01/07/26
108	Post Drive	Calle Del Adobe to North Davis Road	25	34	35	30	2	06/25/26
109	Navajo Drive	North Main Street to Adams Street	25	32	30	25	1	06/03/25
110	Villa Street	West Market Street to Central Avenue	25	31	30	25	1	06/17/25
111	Maple Street	South Main Street to Abbott Street	25	30	30	25	1	08/17/25
112	Clay Street	Iverson Street to South Main Street	25	30	30	25	1	09/04/25
113	Lincoln Avenue	West Market Street to Clay Street	25	30	30	25	1	10/20/25
114	Salinas Street	West Market Street to Clay Street	25	30	30	25	1	04/29/26
115	Monterey Street	West Market Street to John Street	25	28	30	25	2	08/11/26
116	Pajaro Street	East Market Street to East Blanco Road	25	32	30	25	1	07/17/25
117	Hebbron Avenue	East Market Street to John Street	25	27	25	25	-	10/29/25
118	Tyler Street	West Laurel Drive to Iris Drive	25	27	25	25	-	10/20/25
119	Terven Avenue	Sanborn Road to Airport Boulevard	25	31	30	25	1	08/11/26
120	Hansen Street	Airport Boulevard to Harkins Road	25	35	35	30	1	07/02/26
121	Los Palos Drive	Abbott Street to San Miguel Avenue	25	29	30	25	2	09/03/25
122	John Street	Wood Street to East Alisal Street	35	38	40	35	2	08/10/26
123	Freedom Parkway	Williams Road to Sconberg Parkway	25	40	40	35	1	08/12/26
124	Sconberg Parkway	Alisal Road to Freedom Parkway	25	28	30	25	2	08/10/26
125	Davis Road, North	Larkin Street to Westridge Parkway	35	41	40	35	1	08/05/26
126	Alisal Street, West/East	Capitol Street to Front Street	25	26	25	25	-	08/10/26
127	Towt Street	Garner Avenue to Freedom Parkway	25	31	30	25	1	09/11/26

*Inconsistent Speed limit surveys and signs

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, 2018 to December 31, 2019. For this analysis, only collisions during the 2-year period between January 1, 2018 to December 31, 2019 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 2018 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 (2016, 2017, 2018) (Total per million vehicle miles)
2 and 3 lane	1.69
4+ lanes (undivided)	1.30
4+ lanes (divided)	1.32

Table 2: Collision Rate Summary

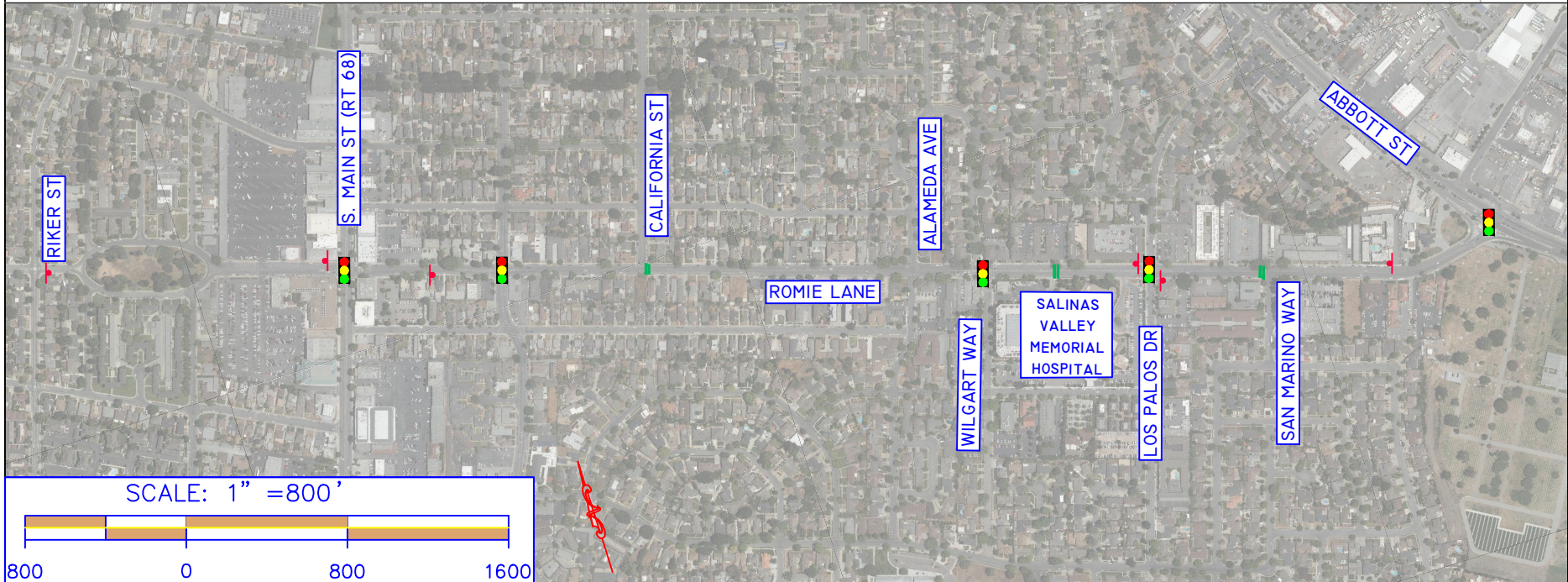
No.	STREET SEGMENT	SEGMENT	Existing Facility	Length (mi)	AADT	Collisions (2 years) (2018-2019)	Collision Rate (Acc./MVM)	Statewide Collision Rate (Acc./MVM)
3	Abbott Street	Sanborn Road to Harkins Road	4+ lanes (divided)	0.57	20,729	12	1.40	1.32
5	Airport Boulevard	Skyway Boulevard to Hansen Street	4 lanes (undivided)	0.98	12,245	11	1.25	1.30
23	Chaparral Street	North Main Street to Natividad Road	2 and 3 lane	1.07	3,640	5	1.77	1.69
27	Constitution Boulevard	Independence Boulevard to Boronda Road	4+ lanes (divided)	1.19	8,166	20	2.82	1.32
45	Romie Lane	Riker Street to Abbott Street	4+ lanes (undivided)	1.41	10,817	25	2.24	1.30
47	Natividad Road	East Laurel Drive to East Bernal Drive	4+ lanes (undivided)	0.46	27,590	23	2.49	1.30
63	San Juan Grade Road	North Main Street to Russell Road	4+ lanes (divided)/ 2 and 3 lane	1.22	10,894	22	2.27	1.32
72	Towt Street	East Alisal Street to Garner Avenue	2 and 3 lane	0.98	6,323	31	6.85	1.69
75	Williams Road	East Alisal Street to Boronda Road	2/4 lanes (undivided)	1.99	11,125	84	5.19	1.30
108	Post Drive	Calle Del Adobe to North Davis Road	4+ lanes (undivided)	0.21	4,803	2	2.73	1.30
109	Navajo Drive	North Main Street to Adams Street	2 and 3 lane	0.65	1,680	3	3.79	1.69
110	Villa Street	West Market Street to Central Avenue	2 and 3 lane	0.45	3,999	5	3.78	1.69
111	Maple Street	South Main Street to Abbott Street	2 and 3 lane	0.60	3,156	2	1.45	1.69
112	Clay Street	Iverson Street to South Main Street	2 and 3 lane	0.44	5,629	6	3.32	1.69
113	Lincoln Avenue	West Market Street to Clay Street	2 and 3 lane	0.54	3,022	14	11.85	1.69
114	Salinas Street	West Market Street to Clay Street	2 and 3 lane	0.50	12,704	17	3.63	1.69
115	Monterey Street	West Market Street to John Street	2 and 3 lane	0.49	11,573	116	3.90	1.69
116	Pajaro Street	East Market Street to East Blanco Road	2 and 3 lane	1.65	4,433	23	4.29	1.69
117	Hebbron Avenue	East Market Street to John Street	2 and 3 lane	0.46	2,120	12	16.78	1.69
118	Tyler Street	West Laurel Drive to Iris Drive	2 and 3 lane	0.34	3,650	6	6.59	1.69
119	Terven Avenue	Sanborn Road to Airport Boulevard	2 and 3 lane	0.39	7,589	11	5.08	1.69
120	Hansen Street	Airport Boulevard to Harkins Road	4+ lanes (undivided)	0.20	17,697	3	1.18	1.30
121	Los Palos Drive	Abbott Street to San Miguel Avenue	2 and 3 lane	0.55	1,571	4	6.39	1.69
122	John Street	Wood Street to East Alisal Street	2 and 3 lane	1.12	15,843	31	2.38	1.69
123	Freedom Parkway	Williams Road to Sconberg Parkway	2/4 lanes (divided)	0.64	1,690	2	2.54	1.69
124	Sconberg Parkway	Alisal Road to Freedom Parkway	2 and 3 lane	0.68	4,902	3	1.24	1.69
125	Davis Road, North	Larkin Street to Westridge Parkway	4+ lanes (divided)	0.73	38,858	30	1.46	1.32
126	Alisal Street, West/East	Capitol Street to Front Street	2 and 3 lane	0.62	8,165	38	10.30	1.69
127	Towt Street	Garner Avenue to Freedom Parkway	2 and 3 lane	0.82	7,731	19	4.11	1.69

APPENDIX A
ENGINEERING AND TRAFFIC SURVEYS

**CITY OF SALINAS
DEVELOPMENT & ENGINEERING SERVICES
TRAFFIC SURVEY**

STREET: **ROMIE LANE**
BETWEEN: **RIKER ST & ABBOTT ST**
SURVEY DATE: **10/20/2020 (EXPIRES 2025)**

45



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 was collected October 20, 2020 revealed the 85th-percentile speed of 35 mph. The 10 mph pace ranges from 24 mph to 33 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, and the 10 mph pace range, and the prevailing speeds 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 7,450 Feet		
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)	10,817		
Accident Data (2 years)	25 Collisions (2018-2019)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	2.24 Acc./MVM	ALL WAY STOP SIGNAL SPEED LIMIT SIGN CITY LIMITS CROSSWALK SCHOOL CROSSWALK CROSSING GUARD	



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	<u>E Romie Lane</u>	Direction:	<u>WBD</u>	Comments: <div style="font-size: 1.2em; font-weight: bold;">No. 45</div>
Between:	<u>Riker Street and Abbott Street</u>			
Survey Location:	<u>Between Pajaro St and California St</u>			
Speed Limit:	<u>35</u> MPH			
Date:	<u>10/20/20</u>	Day:	<u>Tuesday</u>	
Hours: From:	<u>1:32PM</u>	To:	<u>2:05PM</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Victor C./Giovanni N.</u>			

MPH	Frequency	Percent	Cumulative %	
3	0	0.00%	0.00%	
4	0	0.00%	0.00%	
5	0	0.00%	0.00%	
6	0	0.00%	0.00%	
7	0	0.00%	0.00%	
8	0	0.00%	0.00%	
9	0	0.00%	0.00%	
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	1	2.00%	2.00%	
22	0	0.00%	2.00%	
23	0	0.00%	2.00%	
24	4	8.00%	10.00%	
25	3	6.00%	16.00%	
26	5	10.00%	26.00%	
27	0	0.00%	26.00%	
28	5	10.00%	36.00%	
29	3	6.00%	42.00%	
30	8	16.00%	58.00%	
31	7	14.00%	72.00%	
32	6	12.00%	84.00%	
33	2	4.00%	88.00%	
34	1	2.00%	90.00%	
35	1	2.00%	92.00%	
36	2	4.00%	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%	
Totals:	50	100.00%		

Data Analysis:

Time Mean Speed:	29.6	MPH
Sample Variance:	13.67	
Standard Deviation:	3.7	
Variance of the Mean:	0.2734	
Standard Error of the Mean:	0.5	
10 MPH Pace:	24	To: 33 MPH
Percent in Pace:	86.0%	
Vehicles in Pace:	43	
50th Percentile Speed:	30	MPH
85th Percentile Speed:	33	MPH
90th Percentile Speed:	34	MPH
95th Percentile Speed:	36	MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	<u>E Romie Lane</u>	Direction:	<u>EBD</u>	Comments: <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 45</div>
Between:	<u>Riker Street and Abbott Street</u>			
Survey Location:	<u>Between Pajaro St and California St</u>			
Speed Limit:	<u>35</u> MPH			
Date:	<u>10/20/20</u>	Day:	<u>Tuesday</u>	
Hours: From:	<u>1:32PM</u>	To:	<u>2:05PM</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Victor C./Giovanni N.</u>			

MPH	Frequency	Percent	Cumulative %	Data Analysis:				
3	0	0.00%	0.00%	<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>	31.6	MPH		
4	0	0.00%	0.00%		30.21			
5	0	0.00%	0.00%		5.5			
6	0	0.00%	0.00%		0.6042			
7	0	0.00%	0.00%		0.8			
8	0	0.00%	0.00%		26	To:	35	MPH
9	0	0.00%	0.00%		68.0%			
10	0	0.00%	0.00%		34			
11	0	0.00%	0.00%		31	MPH		
12	0	0.00%	0.00%		37	MPH		
13	0	0.00%	0.00%		38	MPH		
14	0	0.00%	0.00%		42	MPH		
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	1	2.00%	2.00%					
23	1	2.00%	4.00%					
24	1	2.00%	6.00%					
25	2	4.00%	10.00%					
26	6	12.00%	22.00%					
27	2	4.00%	26.00%					
28	3	6.00%	32.00%					
29	5	10.00%	42.00%					
30	3	6.00%	48.00%					
31	2	4.00%	52.00%					
32	4	8.00%	60.00%					
33	3	6.00%	66.00%					
34	3	6.00%	72.00%					
35	3	6.00%	78.00%					
36	2	4.00%	82.00%					
37	2	4.00%	86.00%					
38	2	4.00%	90.00%					
39	1	2.00%	92.00%					
40	1	2.00%	94.00%					
41	0	0.00%	94.00%					
42	1	2.00%	96.00%					
43	0	0.00%	96.00%					
44	0	0.00%	96.00%					
45	1	2.00%	98.00%					
46	1	2.00%	100.00%					
47	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>E Romie Lane</u>	Direction:	<u>WBD/EBD</u>	Comments: No.45
Between:	<u>Riker Street and Abbott Street</u>			
Survey Location:	<u>Between Pajaro St and California St</u>			
Speed Limit:	<u>35</u> MPH			
Date:	<u>10/20/20</u>	Day:	<u>Tuesday</u>	
Hours:	From: <u>1:32PM</u>	To:	<u>2:05PM</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Victor C./Giovanni N.</u>			

MPH	Frequency	Percent	Cumulative %	
3	0	0.00%	0.00%	
4	0	0.00%	0.00%	
5	0	0.00%	0.00%	
6	0	0.00%	0.00%	
7	0	0.00%	0.00%	
8	0	0.00%	0.00%	
9	0	0.00%	0.00%	
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	1	1.00%	1.00%	
22	1	1.00%	2.00%	
23	1	1.00%	3.00%	
24	5	5.00%	8.00%	
25	5	5.00%	13.00%	
26	11	11.00%	24.00%	
27	2	2.00%	26.00%	
28	8	8.00%	34.00%	
29	8	8.00%	42.00%	
30	11	11.00%	53.00%	
31	9	9.00%	62.00%	
32	10	10.00%	72.00%	
33	5	5.00%	77.00%	
34	4	4.00%	81.00%	
35	4	4.00%	85.00%	
36	4	4.00%	89.00%	
37	3	3.00%	92.00%	
38	3	3.00%	95.00%	
39	1	1.00%	96.00%	
40	1	1.00%	97.00%	
41	0	0.00%	97.00%	
42	1	1.00%	98.00%	
43	0	0.00%	98.00%	
44	0	0.00%	98.00%	
45	1	1.00%	99.00%	
46	1	1.00%	100.00%	
47	0	0.00%	100.00%	
Totals:	100	100.00%		

Data Analysis:

Time Mean Speed:	30.6	MPH
Sample Variance:	22.69	
Standard Deviation:	4.8	
Variance of the Mean:	0.2269	
Standard Error of the Mean:	0.5	
10 MPH Pace:	24	To: 33 MPH
Percent in Pace:	74.0%	
Vehicles in Pace:	74	
50th Percentile Speed:	30	MPH
85th Percentile Speed:	35	MPH
90th Percentile Speed:	37	MPH
95th Percentile Speed:	38	MPH

Cumulative Frequency Distribution

Frequency Distribution

1st

SITE CODE

45

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

LOCATION E Romie Ln btwn Riker & Abbott.DATE 10/20 DAY tuesdayTIME 1:32 TO 2:05OBSERVER Gno CALCULATED BY Victor WEATHER Sunny

Direction: EBD

MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
66				
65				
64				
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62				
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11				
10				

Direction: WBD

MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
66				
65				
64				
63				
62				
61				
60				
59				
58				
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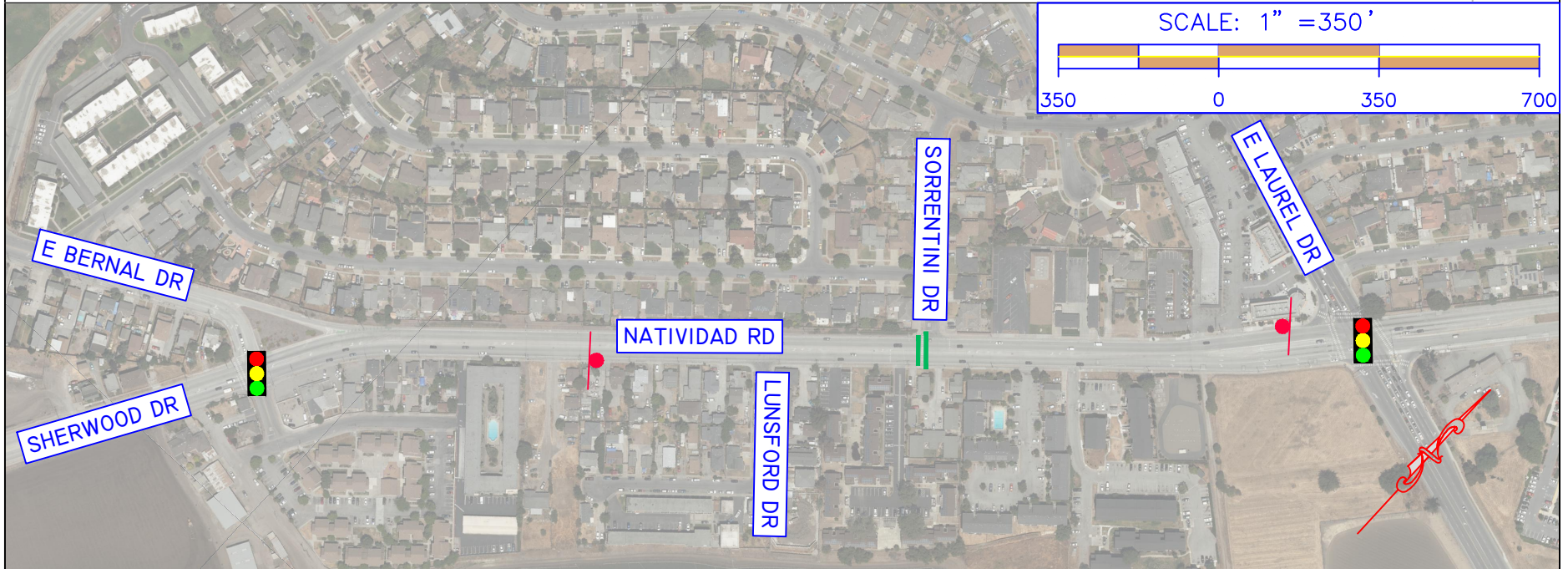
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**CITY OF SALINAS
TRANSPORTATION & ENGINEERING
TRAFFIC SURVEY**

STREET: **NATIVIDAD ROAD**
BETWEEN: **E BERNAL DR & E LAUREL DR**
SURVEY DATE: **11/20/20 (EXPIRES IN 2025)**

47



COMMENTS:

This segment of Natividad Road is classified as a major arterial in the City of Salinas General Plan. The surrounding land use includes backing/fronting residential homes and retail use. Speed data collected November 20, 2020, revealed the 85th percentile speed of 45 mph. The 10 mph pace ranges from 33 mph to 42 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, and the 10 mph pace range, and the prevailing speeds 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 2,450 Feet	ALL WAY STOP SIGNAL SPEED LIMIT SIGN CITY LIMITS CROSSWALK SCHOOL CROSSWALK	
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	45 MPH		
Traffic Volume (Date)	27,590		
Accident Data (2 years)	23 Collisions (2018-2019)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	2.49 Acc./MVM		



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Natividad Rd.	Direction:	SBD	Comments:		
Between:	Laurel Dr. & Bernal Dr.	No. 47				
Survey Location:	Between Laurel Dr. & Bernal Dr					
Speed Limit:	45 MPH					
Date:	11/20/20				Day:	Friday
Hours: From:	12:30PM				To:	12:45PM
Weather:	Sunny					
Observer(s):	Giovanni N. & Victor C.					

MPH	Frequency	Percent	Cumulative %	
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	1	2.00%	2.00%	
31	1	2.00%	4.00%	
32	2	4.00%	8.00%	
33	1	2.00%	10.00%	
34	3	6.00%	16.00%	
35	3	6.00%	22.00%	
36	4	8.00%	30.00%	
37	1	2.00%	32.00%	
38	0	0.00%	32.00%	
39	4	8.00%	40.00%	
40	4	8.00%	48.00%	
41	4	8.00%	56.00%	
42	4	8.00%	64.00%	
43	1	2.00%	66.00%	
44	4	8.00%	74.00%	
45	2	4.00%	78.00%	
46	2	4.00%	82.00%	
47	2	4.00%	86.00%	
48	2	4.00%	90.00%	
49	0	0.00%	90.00%	
50	1	2.00%	92.00%	
51	0	0.00%	92.00%	
52	2	4.00%	96.00%	
53	1	2.00%	98.00%	
54	0	0.00%	98.00%	
55	1	2.00%	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%	
Totals:	50	100.00%		

Data Analysis:

Time Mean Speed:	40.9	MPH
Sample Variance:	36.67	
Standard Deviation:	6.1	
Variance of the Mean:	0.7334	
Standard Error of the Mean:	0.9	
10 MPH Pace:	35	To: 44 MPH
Percent in Pace:	58.0%	
Vehicles in Pace:	29	
50th Percentile Speed:	41	MPH
85th Percentile Speed:	47	MPH
90th Percentile Speed:	48	MPH
95th Percentile Speed:	52	MPH

Cumulative Frequency Distribution

Frequency Distribution



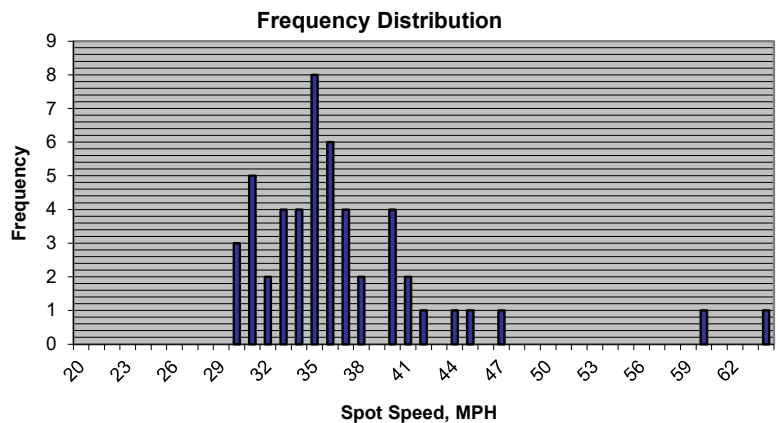
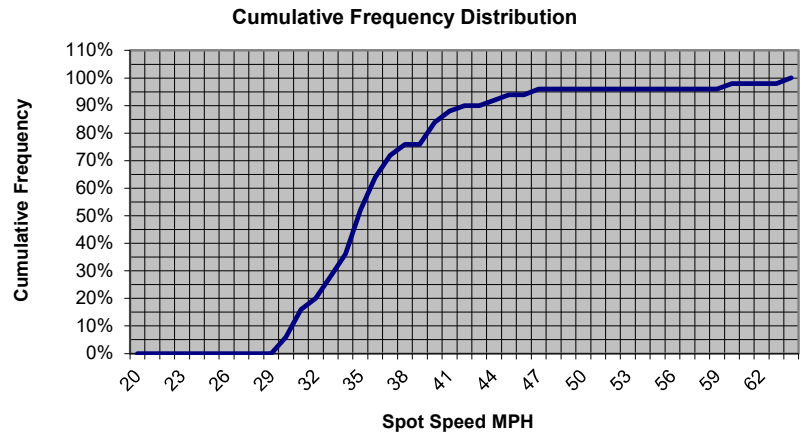
CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Natividad Rd.	Direction:	NBD	Comments:
Between:	Laurel Dr. & Bernal Dr.	No. 47		
Survey Location:	Between Laurel Dr. & Bernal Dr			
Speed Limit:	45 MPH			
Date:	11/20/20			
Hours:	From: 12:30PM	To:	12:45PM	
Weather:	Sunny			
Observer(s):	Giovanni N. & Victor C.			

MPH	Frequency	Percent	Cumulative %	<i>Data Analysis:</i>	
20	0	0.00%	0.00%		
21	0	0.00%	0.00%	Time Mean Speed:	36.8 MPH
22	0	0.00%	0.00%	Sample Variance:	42.44
23	0	0.00%	0.00%	Standard Deviation:	6.5
24	0	0.00%	0.00%	Variance of the Mean:	0.8488
25	0	0.00%	0.00%	Standard Error of the Mean:	0.9
26	0	0.00%	0.00%	10 MPH Pace:	31 To: 40 MPH
27	0	0.00%	0.00%	Percent in Pace:	78.0%
28	0	0.00%	0.00%	Vehicles in Pace:	39
29	0	0.00%	0.00%	50th Percentile Speed:	35 MPH
30	3	6.00%	6.00%	85th Percentile Speed:	41 MPH
31	5	10.00%	16.00%	90th Percentile Speed:	43 MPH
32	2	4.00%	20.00%	95th Percentile Speed:	47 MPH
33	4	8.00%	28.00%	<i>Cumulative Frequency Distribution</i>	
34	4	8.00%	36.00%		
35	8	16.00%	52.00%	<i>Frequency Distribution</i>	
36	6	12.00%	64.00%		
37	4	8.00%	72.00%		
38	2	4.00%	76.00%		
39	0	0.00%	76.00%		
40	4	8.00%	84.00%		
41	2	4.00%	88.00%		
42	1	2.00%	90.00%		
43	0	0.00%	90.00%		
44	1	2.00%	92.00%		
45	1	2.00%	94.00%		
46	0	0.00%	94.00%		
47	1	2.00%	96.00%		
48	0	0.00%	96.00%		
49	0	0.00%	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	0	0.00%	96.00%		
56	0	0.00%	96.00%		
57	0	0.00%	96.00%		
58	0	0.00%	96.00%		
59	0	0.00%	96.00%		
60	1	2.00%	98.00%		
61	0	0.00%	98.00%		
62	0	0.00%	98.00%		
63	0	0.00%	98.00%		
64	1	2.00%	100.00%		
Totals:	50	100.00%			





CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	<u>Natividad Rd.</u>	Direction:	<u>SBD/NBD</u>	Comments: No.47
Between:	<u>Laurel Dr. & Bernal Dr.</u>			
Survey Location:	<u>Between Laurel Dr. & Bernal Dr</u>			
Speed Limit:	<u>45</u> MPH			
Date:	<u>11/20/20</u>	Day:	<u>Friday</u>	
Hours:	From: <u>12:30PM</u>	To:	<u>12:45PM</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Giovanni N. & Victor C.</u>			

MPH	Frequency	Percent	Cumulative %	
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	4	4.00%	4.00%	
31	6	6.00%	10.00%	
32	4	4.00%	14.00%	
33	5	5.00%	19.00%	
34	7	7.00%	26.00%	
35	11	11.00%	37.00%	
36	10	10.00%	47.00%	
37	5	5.00%	52.00%	
38	2	2.00%	54.00%	
39	4	4.00%	58.00%	
40	8	8.00%	66.00%	
41	6	6.00%	72.00%	
42	5	5.00%	77.00%	
43	1	1.00%	78.00%	
44	5	5.00%	83.00%	
45	3	3.00%	86.00%	
46	2	2.00%	88.00%	
47	3	3.00%	91.00%	
48	2	2.00%	93.00%	
49	0	0.00%	93.00%	
50	1	1.00%	94.00%	
51	0	0.00%	94.00%	
52	2	2.00%	96.00%	
53	1	1.00%	97.00%	
54	0	0.00%	97.00%	
55	1	1.00%	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	1.00%	99.00%	
61	0	0.00%	99.00%	
62	0	0.00%	99.00%	
63	0	0.00%	99.00%	
64	1	1.00%	100.00%	
Totals:	100	100.00%		

Data Analysis:

Time Mean Speed:	38.9	MPH
Sample Variance:	43.44	
Standard Deviation:	6.6	
Variance of the Mean:	0.4344	
Standard Error of the Mean:	0.7	
10 MPH Pace:	33	To: 42 MPH
Percent in Pace:	63.0%	
Vehicles in Pace:	63	
50th Percentile Speed:	37	MPH
85th Percentile Speed:	45	MPH
90th Percentile Speed:	47	MPH
95th Percentile Speed:	52	MPH

Cumulative Frequency Distribution

Frequency Distribution

1st

85: 47 mph

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE
47

LOCATION Natividad blwn Laurel & Bernal

DATE 11/20/20 DAY Friday

TIME 12:30 TO 12:45

OBSERVER Giovanni N.

CALCULATED BY Victor C.

WEATHER Sunny

Direction: <u>SB</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				
54				
53				
52				
51				
50				
49				
48				
47				
46				
45				
44				
43				
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41				
40				
39				
38				
37				
36				
35				
34				
33				
32				
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26				
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24				
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21				
20				
19				
18				
17				
16				
15				
14				
13				
12				
11				
10				

Direction: <u>NB</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				
54				
53				
52				
51				
50				
49				
48				
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15				
14				
13				
12				
11				
10				

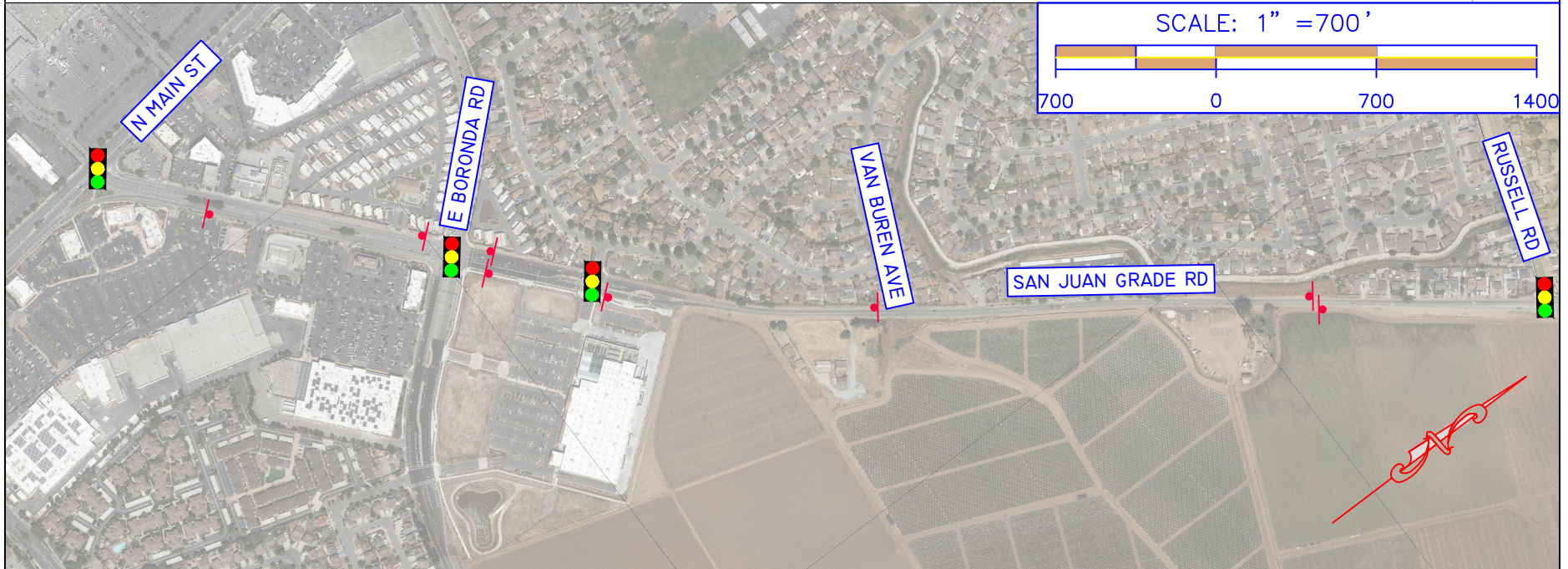
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**CITY OF SALINAS
TRANSPORTATION & ENGINEERING
TRAFFIC SURVEY**








STREET: **SAN JUAN GRADE ROAD**
BETWEEN: **N MAIN ST & RUSSELL RD**
SURVEY DATE: **06/03/2020 (EXPIRES IN 2025)**

63



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/fronting residential, retail, office, and agricultural use. Speed data collected June 3, 2020, revealed the 85th percentile speed of 48 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, and 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	 ALL WAY STOP  SIGNAL  SPEED LIMIT SIGN  CITY LIMITS  CROSSWALK  SCHOOL CROSSWALK	
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	48 MPH		
Traffic Volume (Date)	10,894		
Accident Data (2 years)	22 Collisions (2018-2019)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	2.27 Acc./MVM		



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	San Juan Grade Rd	Direction: <u>WBD</u>	Comments: <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 63</div>
Between:	North Main St & Russell Rd		
Survey Location:	North Main St & Boronda Rd		
Speed Limit:	45 MPH		
Date:	06/03/20	Day: Wednesday	
Hours: From:	10:43AM	To: 11:06AM	
Weather:	Sunny		
Observer(s):	Victor C. and Giovanni N.		

MPH	Frequency	Percent	Cumulative %	
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	0	0.00%	0.00%	
31	0	0.00%	0.00%	
32	2	4.00%	4.00%	
33	1	2.00%	6.00%	
34	2	4.00%	10.00%	
35	2	4.00%	14.00%	
36	2	4.00%	18.00%	
37	1	2.00%	20.00%	
38	2	4.00%	24.00%	
39	7	14.00%	38.00%	
40	1	2.00%	40.00%	
41	3	6.00%	46.00%	
42	8	16.00%	62.00%	
43	2	4.00%	66.00%	
44	3	6.00%	72.00%	
45	4	8.00%	80.00%	
46	2	4.00%	84.00%	
47	2	4.00%	88.00%	
48	2	4.00%	92.00%	
49	0	0.00%	92.00%	
50	1	2.00%	94.00%	
51	0	0.00%	94.00%	
52	0	0.00%	94.00%	
53	1	2.00%	96.00%	
54	1	2.00%	98.00%	
55	1	2.00%	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%	
Totals:	50	100.00%		

Data Analysis:

Time Mean Speed:	41.7	MPH
Sample Variance:	28.63	
Standard Deviation:	5.4	
Variance of the Mean:	0.5726	
Standard Error of the Mean:	0.8	
10 MPH Pace:	38	To: 47 MPH
Percent in Pace:	68.0%	
Vehicles in Pace:	34	
50th Percentile Speed:	42	MPH
85th Percentile Speed:	47	MPH
90th Percentile Speed:	48	MPH
95th Percentile Speed:	53	MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	San Juan Grade Rd	Direction: <u>EBD</u>	Comments: <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 63</div>
Between:	North Main St & Russell Rd		
Survey Location:	North Main St & Boronda Rd		
Speed Limit:	45 MPH		
Date:	06/03/20	Day: Wednesday	
Hours: From:	10:43AM	To: 11:06AM	
Weather:	Sunny		
Observer(s):	Victor C. and Giovanni N.		

MPH	Frequency	Percent	Cumulative %	
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	0	0.00%	0.00%	
31	0	0.00%	0.00%	
32	0	0.00%	0.00%	
33	0	0.00%	0.00%	
34	0	0.00%	0.00%	
35	1	2.00%	2.00%	
36	3	6.00%	8.00%	
37	4	8.00%	16.00%	
38	4	8.00%	24.00%	
39	3	6.00%	30.00%	
40	5	10.00%	40.00%	
41	2	4.00%	44.00%	
42	5	10.00%	54.00%	
43	2	4.00%	58.00%	
44	4	8.00%	66.00%	
45	1	2.00%	68.00%	
46	1	2.00%	70.00%	
47	3	6.00%	76.00%	
48	2	4.00%	80.00%	
49	2	4.00%	84.00%	
50	0	0.00%	84.00%	
51	2	4.00%	88.00%	
52	1	2.00%	90.00%	
53	2	4.00%	94.00%	
54	1	2.00%	96.00%	
55	2	4.00%	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%	
Totals:	50	100.00%		

Data Analysis:

Time Mean Speed:	43.3	MPH
Sample Variance:	31.88	
Standard Deviation:	5.6	
Variance of the Mean:	0.6376	
Standard Error of the Mean:	0.8	
10 MPH Pace:	35	To: 44 MPH
Percent in Pace:	66.0%	
Vehicles in Pace:	33	
50th Percentile Speed:	42	MPH
85th Percentile Speed:	51	MPH
90th Percentile Speed:	52	MPH
95th Percentile Speed:	54	MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	San Juan Grade Rd	Direction:	WBD/EBD	Comments:
Between:	North Main St & Russell Rd	No. 63		
Survey Location:	North Main St & Boronda Rd			
Speed Limit:	45 MPH			
Date:	06/03/20			
Hours:	From: 10:43AM	To:	11:06AM	
Weather:	Sunny			
Observer(s):	Victor C. and Giovanni N.			

MPH	Frequency	Percent	Cumulative %	
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	0	0.00%	0.00%	
31	0	0.00%	0.00%	
32	2	2.00%	2.00%	
33	1	1.00%	3.00%	
34	2	2.00%	5.00%	
35	3	3.00%	8.00%	
36	5	5.00%	13.00%	
37	5	5.00%	18.00%	
38	6	6.00%	24.00%	
39	10	10.00%	34.00%	
40	6	6.00%	40.00%	
41	5	5.00%	45.00%	
42	13	13.00%	58.00%	
43	4	4.00%	62.00%	
44	7	7.00%	69.00%	
45	5	5.00%	74.00%	
46	3	3.00%	77.00%	
47	5	5.00%	82.00%	
48	4	4.00%	86.00%	
49	2	2.00%	88.00%	
50	1	1.00%	89.00%	
51	2	2.00%	91.00%	
52	1	1.00%	92.00%	
53	3	3.00%	95.00%	
54	2	2.00%	97.00%	
55	3	3.00%	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%	
Totals:	100	100.00%		

Data Analysis:

Time Mean Speed:	42.5	MPH
Sample Variance:	30.60	
Standard Deviation:	5.5	
Variance of the Mean:	0.3060	
Standard Error of the Mean:	0.6	
10 MPH Pace:	36	To: 45 MPH
Percent in Pace:	66.0%	
Vehicles in Pace:	66	
50th Percentile Speed:	42	MPH
85th Percentile Speed:	48	MPH
90th Percentile Speed:	51	MPH
95th Percentile Speed:	53	MPH

Cumulative Frequency Distribution

Frequency Distribution

1st Attempt

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE

63

LOCATION

LOCATION San Juan Grade Btlw North Main St + Russel Road

DATE _____

DATE 6-3-20 DAY

~~Wednesday~~ Wednesday

TIME

TIME 10:43 TO 11:06

OBSERVER

Victor C.

CALCULATED BY

Giovanni N.

WEATHER

Summer

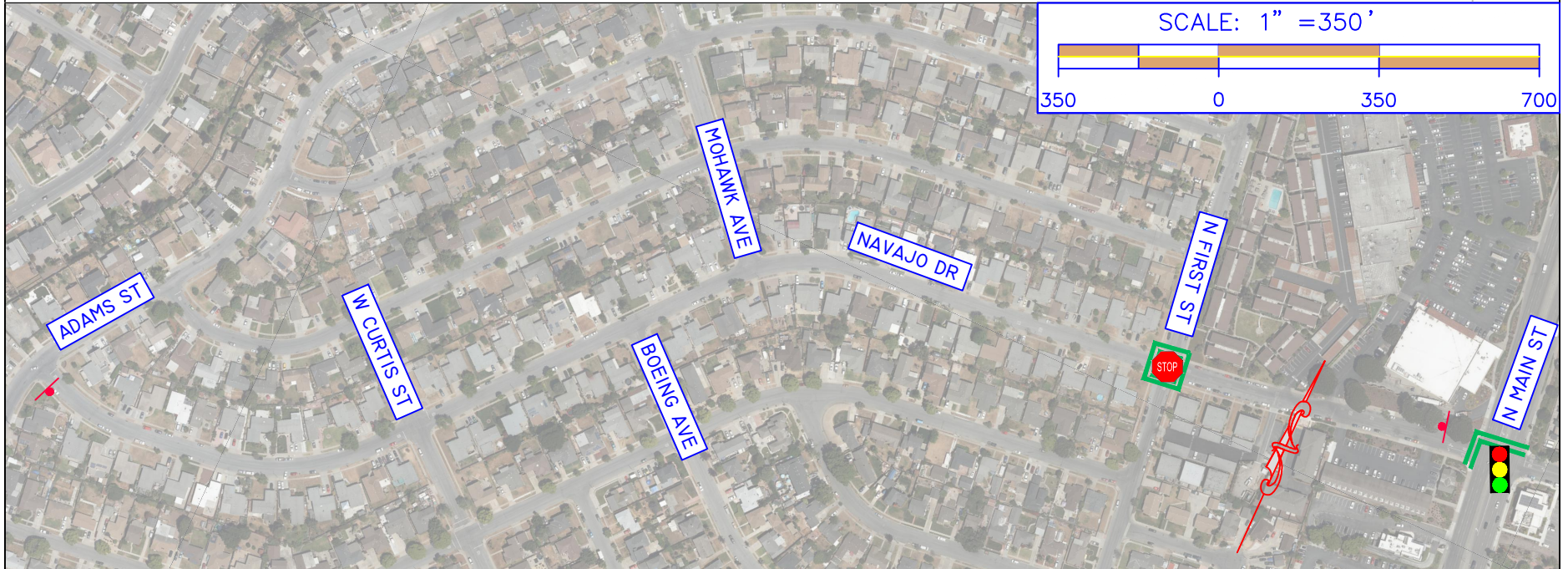
Direction: <i>West</i>		Number of Vehicles			
MPH		5	10	15	20
70					
69					
68					
67					
66					
65					
64					
63					
62					
61					
60					
59					
58					
57					
56					
55	X				
54	X				
53	X				
52					
51					
50	X				
49					
48	X				
47	X				
46	X				
45	X				
44	X				
43	X				
42	X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

Direction:		East			
MPH	Number of Vehicles				
	5	10	15	20	
70					
69					
68					
67					
66					
65					
64					
63					
62					
61					
60					
59					
58					
57					
56					
55	X				
54	X				
53	X				
52	X				
51	X				
50	X				
49	X				
48	X				
47	X				
46	X				
45	X				
44	X				
43	X				
42	X				
41	X				
40	X				
39	X				
38	X				
37	X				
36	X				
35	X				
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10					

**CITY OF SALINAS
TRANSPORTATION & ENGINEERING
TRAFFIC SURVEY**

STREET: **NAVAJO DRIVE**
BETWEEN: **ADAMS ST & N MAIN ST**
SURVEY DATE: **06/03/2020 (EXPIRES 2025)**

109



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 June 3, 2020, revealed the 85th percentile speed of 32 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, and 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 3,400 Feet	ALL WAY STOP SIGNAL SPEED LIMIT SIGN CITY LIMITS CROSSWALK SCHOOL CROSSWALK	
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	32 MPH		
Traffic Volume (Date)	1,680		
Accident Data (2 years)	3 Collisions (2018-2019)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	3.79 Acc./MVM		



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Navajo Drive	Direction:	WBD	Comments:		
Between:	North Main St & Adams St	No. 109				
Survey Location:	Between W. Curtis St and Mohawk Ave					
Speed Limit:	25 MPH					
Date:	06/03/20				Day:	Wednesday
Hours: From:	1:27PM				To:	2:34PM
Weather:	Sunny					
Observer(s):	Victor C. and Giovanni N.					

MPH	Frequency	Percent	Cumulative %	
5	0	0.00%	0.00%	
6	0	0.00%	0.00%	
7	0	0.00%	0.00%	
8	0	0.00%	0.00%	
9	0	0.00%	0.00%	
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	1	2.00%	2.00%	
15	0	0.00%	2.00%	
16	0	0.00%	2.00%	
17	0	0.00%	2.00%	
18	0	0.00%	2.00%	
19	0	0.00%	2.00%	
20	0	0.00%	2.00%	
21	1	2.00%	4.00%	
22	1	2.00%	6.00%	
23	0	0.00%	6.00%	
24	3	6.00%	12.00%	
25	7	14.00%	26.00%	
26	2	4.00%	30.00%	
27	5	10.00%	40.00%	
28	6	12.00%	52.00%	
29	7	14.00%	66.00%	
30	4	8.00%	74.00%	
31	4	8.00%	82.00%	
32	4	8.00%	90.00%	
33	1	2.00%	92.00%	
34	1	2.00%	94.00%	
35	1	2.00%	96.00%	
36	0	0.00%	96.00%	
37	2	4.00%	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%	
Totals:	50	100.00%		

Data Analysis:

Time Mean Speed:	28.2	MPH
Sample Variance:	16.29	
Standard Deviation:	4.0	
Variance of the Mean:	0.3258	
Standard Error of the Mean:	0.6	
10 MPH Pace:	24	To: 33 MPH
Percent in Pace:	86.0%	
Vehicles in Pace:	43	
50th Percentile Speed:	28	MPH
85th Percentile Speed:	32	MPH
90th Percentile Speed:	32	MPH
95th Percentile Speed:	35	MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Navajo Drive	Direction:	EBD	Comments:		
Between:	North Main St & Adams St	No. 109				
Survey Location:	Between W. Curtis St and Mohawk Ave					
Speed Limit:	25 MPH					
Date:	06/03/20				Day:	Wednesday
Hours: From:	1:27PM				To:	2:34PM
Weather:	Sunny					
Observer(s):	Victor C. and Giovanni N.					

MPH	Frequency	Percent	Cumulative %	
5	0	0.00%	0.00%	
6	0	0.00%	0.00%	
7	0	0.00%	0.00%	
8	0	0.00%	0.00%	
9	0	0.00%	0.00%	
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	0	0.00%	2.00%	
21	0	0.00%	2.00%	
22	1	2.00%	4.00%	
23	5	10.00%	14.00%	
24	2	4.00%	18.00%	
25	2	4.00%	22.00%	
26	3	6.00%	28.00%	
27	7	14.00%	42.00%	
28	9	18.00%	60.00%	
29	5	10.00%	70.00%	
30	7	14.00%	84.00%	
31	0	0.00%	84.00%	
32	3	6.00%	90.00%	
33	2	4.00%	94.00%	
34	0	0.00%	94.00%	
35	1	2.00%	96.00%	
36	1	2.00%	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	0	0.00%	98.00%	
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%	
Totals:	50	100.00%		

Data Analysis:

Time Mean Speed:	28.0	MPH
Sample Variance:	17.20	
Standard Deviation:	4.1	
Variance of the Mean:	0.3440	
Standard Error of the Mean:	0.6	
10 MPH Pace:	23	To: 32 MPH
Percent in Pace:	86.0%	
Vehicles in Pace:	43	
50th Percentile Speed:	28	MPH
85th Percentile Speed:	32	MPH
90th Percentile Speed:	32	MPH
95th Percentile Speed:	35	MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Navajo Drive	Direction:	WBD/EBD	Comments:
Between:	North Main St & Adams St	No. 109		
Survey Location:	Between W. Curtis St and Mohawk Ave			
Speed Limit:	25 MPH			
Date:	06/03/20			
Hours:	From: 1:27PM	To:	2:34PM	
Weather:	Sunny			
Observer(s):	Victor C. and Giovanni N.			

MPH	Frequency	Percent	Cumulative %	
5	0	0.00%	0.00%	
6	0	0.00%	0.00%	
7	0	0.00%	0.00%	
8	0	0.00%	0.00%	
9	0	0.00%	0.00%	
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	1	1.00%	1.00%	
15	0	0.00%	1.00%	
16	1	1.00%	2.00%	
17	0	0.00%	2.00%	
18	0	0.00%	2.00%	
19	0	0.00%	2.00%	
20	0	0.00%	2.00%	
21	1	1.00%	3.00%	
22	2	2.00%	5.00%	
23	5	5.00%	10.00%	
24	5	5.00%	15.00%	
25	9	9.00%	24.00%	
26	5	5.00%	29.00%	
27	12	12.00%	41.00%	
28	15	15.00%	56.00%	
29	12	12.00%	68.00%	
30	11	11.00%	79.00%	
31	4	4.00%	83.00%	
32	7	7.00%	90.00%	
33	3	3.00%	93.00%	
34	1	1.00%	94.00%	
35	2	2.00%	96.00%	
36	1	1.00%	97.00%	
37	2	2.00%	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	0	0.00%	99.00%	
43	1	1.00%	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%	
Totals:	100	100.00%		

Data Analysis:

Time Mean Speed:	28.1	MPH
Sample Variance:	16.58	
Standard Deviation:	4.1	
Variance of the Mean:	0.1658	
Standard Error of the Mean:	0.4	
10 MPH Pace:	23	To: 32 MPH
Percent in Pace:	85.0%	
Vehicles in Pace:	85	
50th Percentile Speed:	28	MPH
85th Percentile Speed:	32	MPH
90th Percentile Speed:	32	MPH
95th Percentile Speed:	35	MPH

Cumulative Frequency Distribution

Frequency Distribution

85th & 32 MPH 1st Attempt

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE

109

LOCATION Nuevo Blum N Main St + Adams St

DATE 6-3-20 DAY Wednesday TIME 1:27 TO 2:30

OBSERVER Victor C. CALCULATED BY Giovanni N. WEATHER Sunny

Direction: Towards Main DEB

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				
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14				
13				
12				
11				
10				

Direction: Towards Orange 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				
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**CITY OF SALINAS
TRANSPORTATION & ENGINEERING
TRAFFIC SURVEY**

STREET: **VILLA STREET**
BETWEEN: **CENTRAL AVE & W MARKET ST**
SURVEY DATE: **6/17/2020 (EXPIRES IN 2025)**

110



COMMENTS:

This segment of Villa Street is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes fronting residential homes, park, and school use. Speed data collected June 17, 2020, revealed the 85th percentile speed of 31 mph. The 10 mph pace ranges from 21 mph to 30 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, and 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 2,400 Feet		
Vertical Alignment	Flat		
Street Width	34 Feet		
No. Lanes and Median	2-Lane Minor Arterial		
Proposed Speed Zone	25 MPH		
85th Percentile Speed	31 MPH		
Traffic Volume (Date)	3,999		
Accident Data (2 years)	5 Collisions (2018-2019)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	3.78 Acc./MVM	<p>STOP ALL WAY STOP</p> <p>SIGNAL</p> <p>SPEED LIMIT SIGN</p> <p>CITY LIMITS</p> <p>CROSSWALK</p> <p>SCHOOL CROSSWALK</p> <p>CROSSING GUARD</p>	



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	<u>Villa Street</u>	Direction:	<u>NBD</u>	Comments: No. 110
Between:	<u>W Market St & Central Ave</u>			
Survey Location:				
Speed Limit:	<u>25</u> MPH			
Date:	<u>06/17/20</u>	Day:	<u>Friday</u>	
Hours: From:	<u>1:07PM</u>	To:	<u>2:00PM</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Chris B. and Giovanni N.</u>			

MPH	Frequency	Percent	Cumulative %	
3	0	0.00%	0.00%	
4	0	0.00%	0.00%	
5	0	0.00%	0.00%	
6	0	0.00%	0.00%	
7	0	0.00%	0.00%	
8	0	0.00%	0.00%	
9	0	0.00%	0.00%	
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	1	2.00%	2.00%	
18	1	2.00%	4.00%	
19	1	2.00%	6.00%	
20	1	2.00%	8.00%	
21	3	6.00%	14.00%	
22	3	6.00%	20.00%	
23	0	0.00%	20.00%	
24	6	12.00%	32.00%	
25	2	4.00%	36.00%	
26	5	10.00%	46.00%	
27	2	4.00%	50.00%	
28	6	12.00%	62.00%	
29	8	16.00%	78.00%	
30	2	4.00%	82.00%	
31	2	4.00%	86.00%	
32	2	4.00%	90.00%	
33	2	4.00%	94.00%	
34	1	2.00%	96.00%	
35	1	2.00%	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	0	0.00%	98.00%	
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%	
Totals:	50	100.00%		

Data Analysis:

Time Mean Speed:	26.9	MPH
Sample Variance:	22.91	
Standard Deviation:	4.8	
Variance of the Mean:	0.4582	
Standard Error of the Mean:	0.7	
10 MPH Pace:	21	To: 30 MPH
Percent in Pace:	74.0%	
Vehicles in Pace:	37	
50th Percentile Speed:	27	MPH
85th Percentile Speed:	31	MPH
90th Percentile Speed:	32	MPH
95th Percentile Speed:	34	MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	<u>Villa Street</u>	Direction:	<u>SBD</u>	Comments: No. 110
Between:	<u>W Market St & Central Ave</u>			
Survey Location:				
Speed Limit:	<u>25</u> MPH			
Date:	<u>06/17/20</u>	Day:	<u>Friday</u>	
Hours: From:	<u>1:07PM</u>	To:	<u>2:00PM</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Chris B. and Giovanni N.</u>			

MPH	Frequency	Percent	Cumulative %	
3	0	0.00%	0.00%	
4	0	0.00%	0.00%	
5	0	0.00%	0.00%	
6	0	0.00%	0.00%	
7	0	0.00%	0.00%	
8	0	0.00%	0.00%	
9	0	0.00%	0.00%	
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	2	4.00%	4.00%	
21	4	8.00%	12.00%	
22	2	4.00%	16.00%	
23	5	10.00%	26.00%	
24	6	12.00%	38.00%	
25	5	10.00%	48.00%	
26	6	12.00%	60.00%	
27	5	10.00%	70.00%	
28	3	6.00%	76.00%	
29	1	2.00%	78.00%	
30	2	4.00%	82.00%	
31	1	2.00%	84.00%	
32	3	6.00%	90.00%	
33	3	6.00%	96.00%	
34	0	0.00%	96.00%	
35	1	2.00%	98.00%	
36	0	0.00%	98.00%	
37	1	2.00%	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%	
Totals:	50	100.00%		

Data Analysis:

Time Mean Speed:	26.3	MPH
Sample Variance:	16.61	
Standard Deviation:	4.1	
Variance of the Mean:	0.3322	
Standard Error of the Mean:	0.6	
10 MPH Pace:	20	To: 29 MPH
Percent in Pace:	78.0%	
Vehicles in Pace:	39	
50th Percentile Speed:	26	MPH
85th Percentile Speed:	32	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:	Villa Street	Direction:	NBD/SBD	Comments:
Between:	W Market St & Central Ave	No. 110		
Survey Location:				
Speed Limit:	25 MPH			
Date:	06/17/20			
Hours:	From: 1:07PM	Day:	Friday	
Weather:	Sunny	To:	2:00PM	
Observer(s):	Chris B. and Giovanni N.			

MPH	Frequency	Percent	Cumulative %	
3	0	0.00%	0.00%	
4	0	0.00%	0.00%	
5	0	0.00%	0.00%	
6	0	0.00%	0.00%	
7	0	0.00%	0.00%	
8	0	0.00%	0.00%	
9	0	0.00%	0.00%	
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	1	1.00%	1.00%	
18	1	1.00%	2.00%	
19	1	1.00%	3.00%	
20	3	3.00%	6.00%	
21	7	7.00%	13.00%	
22	5	5.00%	18.00%	
23	5	5.00%	23.00%	
24	12	12.00%	35.00%	
25	7	7.00%	42.00%	
26	11	11.00%	53.00%	
27	7	7.00%	60.00%	
28	9	9.00%	69.00%	
29	9	9.00%	78.00%	
30	4	4.00%	82.00%	
31	3	3.00%	85.00%	
32	5	5.00%	90.00%	
33	5	5.00%	95.00%	
34	1	1.00%	96.00%	
35	2	2.00%	98.00%	
36	0	0.00%	98.00%	
37	1	1.00%	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	0	0.00%	99.00%	
43	1	1.00%	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%	
Totals:	100	100.00%		

Data Analysis:

Time Mean Speed:	26.6	MPH
Sample Variance:	19.66	
Standard Deviation:	4.4	
Variance of the Mean:	0.1966	
Standard Error of the Mean:	0.4	
10 MPH Pace:	21	To: 30 MPH
Percent in Pace:	76.0%	
Vehicles in Pace:	76	
50th Percentile Speed:	26	MPH
85th Percentile Speed:	31	MPH
90th Percentile Speed:	32	MPH
95th Percentile Speed:	33	MPH

Cumulative Frequency Distribution

Frequency Distribution

85 MPH 21 MPH

1st Attempt

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE

110

LOCATION

Villa St Btw W Market St + Central Ave

DATE

6-17-20 DAY Friday

TIME

1:07

TO

2:31

OBSERVER

690

CALCULATED BY

Chris

WEATHER

overcast

Direction: South				
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	X			
36				
35	X			
34				
33	X			
32	X			
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				
15				
14				
13				
12				
11				
10				

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Direction:		North																			
MPH	Number of Vehicles																				
	5				10				15				20								
70																					
69																					
68																					
67																					
66																					
65																					
64																					
63																					
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44																					
43	X																				
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35	X																				
34	X																				
33	X																				
32	X																				
31	X																				
30	X																				
29	X																				
28	X																				
27	X																				
26	X																				
25	X																				
24	X																				
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22	X																				
21	X																				
20	X																				
19	X																				
18	X																				
17	X																				
16																					
15																					
14																					
13																					
12																					
11																					
10																					

**CITY OF SALINAS
TRANSPORTATION & ENGINEERING
TRAFFIC SURVEY**

STREET: **MAPLE STREET**
BETWEEN: **S MAIN ST & ABBOTT ST**
SURVEY DATE: **08/17/2020 (EXPIRES IN 2025)**

111



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, park, and school use. Speed data collected August 17, 2020, revealed the 85th percentile speed of 30 mph. The 10 mph pace ranges from 20 mph to 29 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, and the 10 mph pace range, and the prevailing speeds reduced by 5 mph per MUTCD option 1, in compliance with CVC Sections 627 and 22358.5, the existing posted speed limit of 25 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 3,200 Feet	ALL WAY STOP SIGNAL SPEED LIMIT SIGN CITY LIMITS CROSSWALK SCHOOL CROSSWALK CROSSING GUARD	
Vertical Alignment	Flat		
Street Width	46 Feet		
No. Lanes and Median	2-Lane Collector		
Proposed Speed Zone	25 MPH		
85th Percentile Speed	30 MPH		
Traffic Volume (Date)	3,156		
Accident Data (2 years)	2 Collisions (2018-2019)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	1.45 Acc./MVM		



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	<u>Maple Street</u>	Direction:	<u>WBD</u>	Comments: No. 111
Between:	<u>S Main Street & Abbott Street</u>			
Survey Location:				
Speed Limit:	<u>25</u> MPH			
Date:	<u>08/17/20</u>	Day:	<u>Monday</u>	
Hours: From:	<u>10:08AM</u>	To:	<u>11:49AM</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Chris B. and Giovanni N.</u>			

MPH	Frequency	Percent	Cumulative %	
5	0	0.00%	0.00%	
6	0	0.00%	0.00%	
7	0	0.00%	0.00%	
8	0	0.00%	0.00%	
9	0	0.00%	0.00%	
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	3	6.00%	12.00%	
21	1	2.00%	14.00%	
22	1	2.00%	16.00%	
23	3	6.00%	22.00%	
24	3	6.00%	28.00%	
25	8	16.00%	44.00%	
26	5	10.00%	54.00%	
27	4	8.00%	62.00%	
28	4	8.00%	70.00%	
29	7	14.00%	84.00%	
30	1	2.00%	86.00%	
31	0	0.00%	86.00%	
32	0	0.00%	86.00%	
33	3	6.00%	92.00%	
34	2	4.00%	96.00%	
35	1	2.00%	98.00%	
36	0	0.00%	98.00%	
37	0	0.00%	98.00%	
38	0	0.00%	98.00%	
39	1	2.00%	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%	
Totals:	50	100.00%		

Data Analysis:

Time Mean Speed:	26.5	MPH
Sample Variance:	20.13	
Standard Deviation:	4.5	
Variance of the Mean:	0.4026	
Standard Error of the Mean:	0.6	
10 MPH Pace:	20	To: 29 MPH
Percent in Pace:	78.0%	
Vehicles in Pace:	39	
50th Percentile Speed:	26	MPH
85th Percentile Speed:	30	MPH
90th Percentile Speed:	33	MPH
95th Percentile Speed:	34	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: No. 111
Between:	<u>S Main Street & Abbott Street</u>			
Survey Location:				
Speed Limit:	<u>25</u> MPH			
Date:	<u>08/17/20</u>	Day:	<u>Monday</u>	
Hours: From:	<u>10:08AM</u>	To:	<u>11:49AM</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Chris B. and Giovanni N.</u>			

MPH	Frequency	Percent	Cumulative %	
5	0	0.00%	0.00%	
6	0	0.00%	0.00%	
7	0	0.00%	0.00%	
8	0	0.00%	0.00%	
9	0	0.00%	0.00%	
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	3	6.00%	6.00%	
21	3	6.00%	12.00%	
22	4	8.00%	20.00%	
23	4	8.00%	28.00%	
24	5	10.00%	38.00%	
25	5	10.00%	48.00%	
26	6	12.00%	60.00%	
27	3	6.00%	66.00%	
28	3	6.00%	72.00%	
29	1	2.00%	74.00%	
30	5	10.00%	84.00%	
31	1	2.00%	86.00%	
32	4	8.00%	94.00%	
33	1	2.00%	96.00%	
34	2	4.00%	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%	
Totals:	50	100.00%		

Data Analysis:

Time Mean Speed:	<u>26.2</u>	MPH
Sample Variance:	<u>15.44</u>	
Standard Deviation:	<u>3.9</u>	
Variance of the Mean:	<u>0.3088</u>	
Standard Error of the Mean:	<u>0.6</u>	
10 MPH Pace:	<u>21</u>	To: <u>30</u> MPH
Percent in Pace:	<u>78.0%</u>	
Vehicles in Pace:	<u>39</u>	
50th Percentile Speed:	<u>26</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



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 & Abbott Street</u>	No. 111				
Survey Location:						
Speed Limit:	<u>25</u> MPH					
Date:	<u>08/17/20</u>				Day:	<u>Monday</u>
Hours: From:	<u>10:08AM</u>				To:	<u>11:49AM</u>
Weather:	<u>Sunny</u>					
Observer(s):	<u>Chris B. and Giovanni N.</u>					

MPH	Frequency	Percent	Cumulative %	
5	0	0.00%	0.00%	
6	0	0.00%	0.00%	
7	0	0.00%	0.00%	
8	0	0.00%	0.00%	
9	0	0.00%	0.00%	
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	2.00%	2.00%	
19	1	1.00%	3.00%	
20	6	6.00%	9.00%	
21	4	4.00%	13.00%	
22	5	5.00%	18.00%	
23	7	7.00%	25.00%	
24	8	8.00%	33.00%	
25	13	13.00%	46.00%	
26	11	11.00%	57.00%	
27	7	7.00%	64.00%	
28	7	7.00%	71.00%	
29	8	8.00%	79.00%	
30	6	6.00%	85.00%	
31	1	1.00%	86.00%	
32	4	4.00%	90.00%	
33	4	4.00%	94.00%	
34	4	4.00%	98.00%	
35	1	1.00%	99.00%	
36	0	0.00%	99.00%	
37	0	0.00%	99.00%	
38	0	0.00%	99.00%	
39	1	1.00%	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%	
Totals:	100	100.00%		

Data Analysis:

Time Mean Speed:	26.3	MPH
Sample Variance:	17.63	
Standard Deviation:	4.2	
Variance of the Mean:	0.1763	
Standard Error of the Mean:	0.4	
10 MPH Pace:	20	To: 29 MPH
Percent in Pace:	76.0%	
Vehicles in Pace:	76	
50th Percentile Speed:	26	MPH
85th Percentile Speed:	30	MPH
90th Percentile Speed:	32	MPH
95th Percentile Speed:	34	MPH

Cumulative Frequency Distribution

Frequency Distribution

8:30 AM

1st Attempt

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE
111

LOCATION

Maple St Btw S Main St + Abbott St

DATE

8-17-20 DAY Monday

TIME

10:05 TO 11:49

OBSERVER

Giovanni N.

CALCULATED BY

Chris B.

WEATHER

Sunny

Direction:		West East															
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	X	X															
33	X	X	X														
32	X	X	X	X													
31	X	X	X	X	X												
30	X	X	X	X	X	X											
29	X	X	X	X	X	X	X										
28	X	X	X	X	X	X	X	X									
27	X	X	X	X	X	X	X	X	X								
26	X	X	X	X	X	X	X	X	X	X							
25	X	X	X	X	X	X	X	X	X	X	X						
24	X	X	X	X	X	X	X	X	X	X	X	X					
23	X	X	X	X	X	X	X	X	X	X	X	X	X				
22	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
19																	
18																	
17																	
16																	
15																	
14																	
13																	
12																	
11																	
10																	

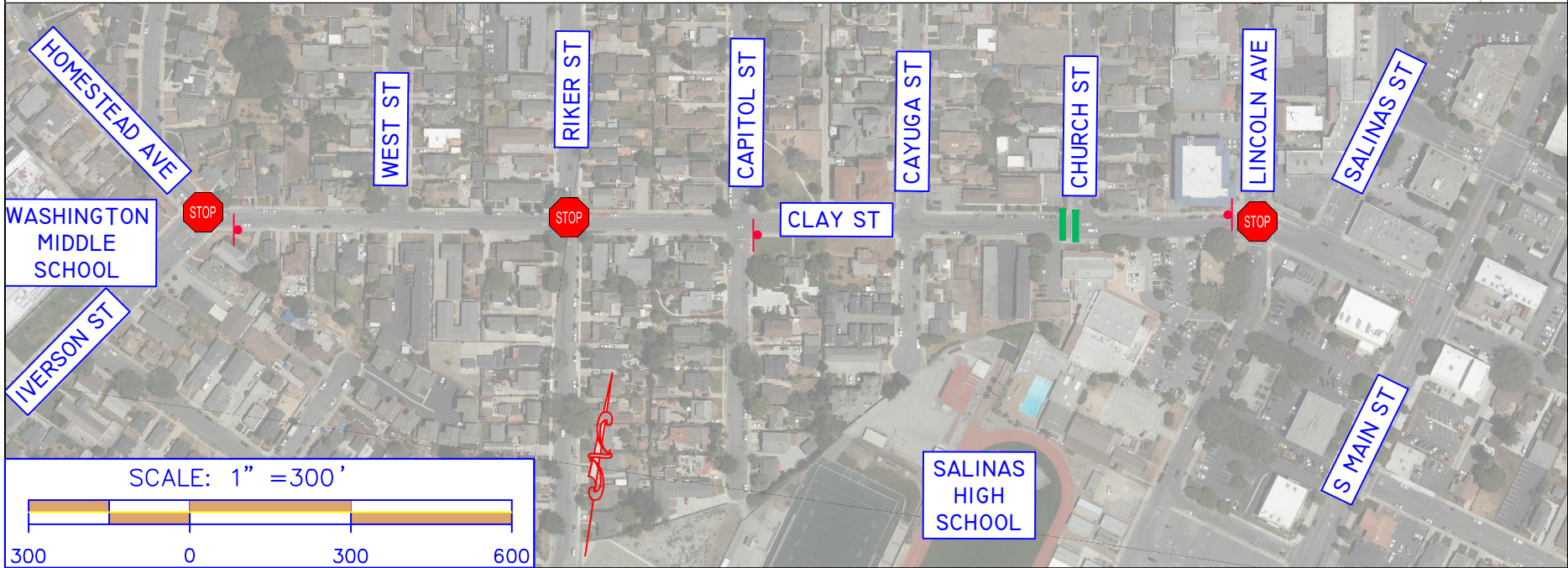
Direction: North West				
MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
66				
65				
64				
63				
62				
61				
60				
59				
58				
57				
56				
55				
54				
53				
52				
51				
50				
49				
48				
47				
46				
45				
44				
43				
42				
41				
40				
39	X			
38	X			
37	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

Handwritten tally marks and a diagonal line are present between the two data tables.

**CITY OF SALINAS
TRANSPORTATION & ENGINEERING
TRAFFIC SURVEY**

STREET: **CLAY STREET**
BETWEEN: **IVERSON ST & S MAIN ST**
SURVEY DATE: **09/04/2020 (EXPIRES IN 2025)**

112



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, park, office, and school use. Speed data collected September 4, 2020, revealed the 85th percentile speed of 30 mph. The 10 mph pace ranges from 22 mph to 31 mph and suggests the 85th percentile is within this range. Based on the surrounding land use, and the 10 mph pace range, and the prevailing speeds reduced by 5 mph per MUTCD option 1, in compliance with CVC Sections 627 and 22358.5, 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	30 MPH	SCHOOL CROSSWALK	
Traffic Volume (Date)	5,629	CROSSING GUARD	
Accident Data (2 years)	6 Collisions (2018-2019)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	3.32 Acc./MVM		



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Clay St	Direction:	EBD	Comments: No. 112
Between:	Iverson St & S. Main St			
Survey Location:	Capitol St & Cayuga St			
Speed Limit:	25 MPH			
Date:	09/04/20	Day:	Friday	
Hours: From:	2:05PM	To:	2:30PM	
Weather:	Sunny			
Observer(s):	Victor C. & Giovanni N.			

MPH	Frequency	Percent	Cumulative %	
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	5	10.00%	12.00%	
21	2	4.00%	16.00%	
22	5	10.00%	26.00%	
23	3	6.00%	32.00%	
24	6	12.00%	44.00%	
25	5	10.00%	54.00%	
26	4	8.00%	62.00%	
27	5	10.00%	72.00%	
28	5	10.00%	82.00%	
29	2	4.00%	86.00%	
30	2	4.00%	90.00%	
31	3	6.00%	96.00%	
32	1	2.00%	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%	
55	0	0.00%	100.00%	
56	0	0.00%	100.00%	
Totals:	50	100.00%		

Data Analysis:

Time Mean Speed:	25.3	MPH
Sample Variance:	13.01	
Standard Deviation:	3.6	
Variance of the Mean:	0.2602	
Standard Error of the Mean:	0.5	
10 MPH Pace:	20	To: 29 MPH
Percent in Pace:	84.0%	
Vehicles in Pace:	42	
50th Percentile Speed:	25	MPH
85th Percentile Speed:	29	MPH
90th Percentile Speed:	30	MPH
95th Percentile Speed:	31	MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Clay St	Direction:	WBD	Comments: <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 112</div>
Between:	Iverson St & S. Main St			
Survey Location:	Capitol St & Cayuga St			
Speed Limit:	25 MPH			
Date:	09/04/20	Day:	Friday	
Hours: From:	2:05PM	To:	2:30PM	
Weather:	Sunny			
Observer(s):	Victor C. & Giovanni N.			

MPH	Frequency	Percent	Cumulative %	
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	0	0.00%	6.00%	
21	2	4.00%	10.00%	
22	2	4.00%	14.00%	
23	5	10.00%	24.00%	
24	4	8.00%	32.00%	
25	5	10.00%	42.00%	
26	3	6.00%	48.00%	
27	4	8.00%	56.00%	
28	3	6.00%	62.00%	
29	3	6.00%	68.00%	
30	7	14.00%	82.00%	
31	3	6.00%	88.00%	
32	3	6.00%	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%	
Totals:	50	100.00%		

Data Analysis:

Time Mean Speed:	26.7	MPH
Sample Variance:	16.39	
Standard Deviation:	4.0	
Variance of the Mean:	0.3278	
Standard Error of the Mean:	0.6	
10 MPH Pace:	23	To: 32 MPH
Percent in Pace:	80.0%	
Vehicles in Pace:	40	
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:	Clay St	Direction:	EBD/WBD	Comments:
Between:	Iverson St & S. Main St	No. 112		
Survey Location:	Capitol St & Cayuga St			
Speed Limit:	25 MPH			
Date:	09/04/20			
Hours:	From: 2:05PM	To:	2:30PM	
Weather:	Sunny			
Observer(s):	Victor C. & Giovanni N.			

MPH	Frequency	Percent	Cumulative %	
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	4	4.00%	13.00%	
22	7	7.00%	20.00%	
23	8	8.00%	28.00%	
24	10	10.00%	38.00%	
25	10	10.00%	48.00%	
26	7	7.00%	55.00%	
27	9	9.00%	64.00%	
28	8	8.00%	72.00%	
29	5	5.00%	77.00%	
30	9	9.00%	86.00%	
31	6	6.00%	92.00%	
32	4	4.00%	96.00%	
33	3	3.00%	99.00%	
34	1	1.00%	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%	
Totals:	100	100.00%		

Data Analysis:

Time Mean Speed:	26.0	MPH
Sample Variance:	15.05	
Standard Deviation:	3.9	
Variance of the Mean:	0.1505	
Standard Error of the Mean:	0.4	
10 MPH Pace:	22	To: 31 MPH
Percent in Pace:	79.0%	
Vehicles in Pace:	79	
50th Percentile Speed:	26	MPH
85th Percentile Speed:	30	MPH
90th Percentile Speed:	31	MPH
95th Percentile Speed:	32	MPH

Cumulative Frequency Distribution

Frequency Distribution

Direction: <i>Werson</i>				
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	X			
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				
19	X			
18	X			
17				
16				
15				
14				
13				
12				
11				
10				

**CITY OF SALINAS
TRANSPORTATION & ENGINEERING
TRAFFIC SURVEY**

STREET: **LINCOLN AVENUE**
BETWEEN: **W MARKET ST & CLAY ST**
SURVEY DATE: **10/20/2020 (EXPIRES 2025)**

113



COMMENTS:

This segment of Lincoln Avenue is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes mix and office use. Speed data collected October 20, 2020, revealed the 85th percentile speed of 30 mph. The 10 mph pace ranges from 21 mph to 30 mph and suggests the 85th percentile is within this range. Based on the surrounding land use, and the 10 mph pace range, and the prevailing speeds reduced by 5 mph per MUTCD option 1, in compliance with CVC Sections 627 and 22358.5, the existing posted speed limit of 25 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 2,850 Feet		
Vertical Alignment	Flat		
Street Width	Varies (34 to 79 Feet)		
No. Lanes and Median	2-Lane Minor Arterial		
Proposed Speed Zone	25 MPH		
85th Percentile Speed	30 MPH		
Traffic Volume (Date)	3,022		
Accident Data (2 years)	14 Collisions (2018-2019)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	11.85 Acc./MVM		
		ALL WAY STOP SIGNAL SPEED LIMIT SIGN CITY LIMITS CROSSWALK SCHOOL CROSSWALK CROSSING GUARD	



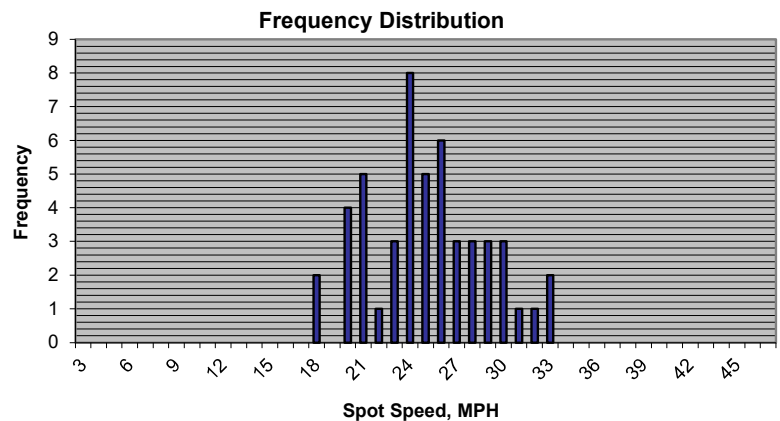
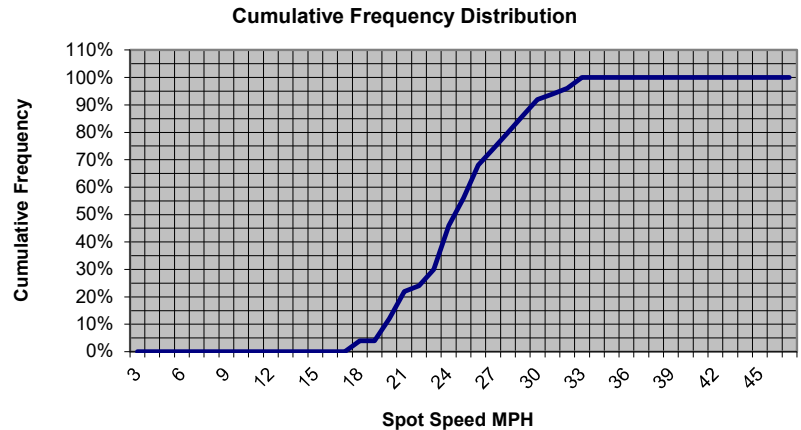
CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Lincoln Avenue	Direction:	NBD	Comments:
Between:	W Market Street and Clay Street	No. 113		
Survey Location:	Between Central Ave and W. Gabilan St			
Speed Limit:	25 MPH			
Date:	10/20/20			
Hours:	From: 3:16PM	To:	3:42PM	
Weather:	Clear			
Observer(s):	Victor C./Giovanni N.			

MPH	Frequency	Percent	Cumulative %	<i>Data Analysis:</i>	
3	0	0.00%	0.00%		
4	0	0.00%	0.00%	Time Mean Speed:	25.1 MPH
5	0	0.00%	0.00%	Sample Variance:	14.03
6	0	0.00%	0.00%	Standard Deviation:	3.7
7	0	0.00%	0.00%	Variance of the Mean:	0.2806
8	0	0.00%	0.00%	Standard Error of the Mean:	0.5
9	0	0.00%	0.00%	10 MPH Pace:	20 To: 29 MPH
10	0	0.00%	0.00%	Percent in Pace:	82.0%
11	0	0.00%	0.00%	Vehicles in Pace:	41
12	0	0.00%	0.00%	50th Percentile Speed:	25 MPH
13	0	0.00%	0.00%	85th Percentile Speed:	29 MPH
14	0	0.00%	0.00%	90th Percentile Speed:	30 MPH
15	0	0.00%	0.00%	95th Percentile Speed:	32 MPH
16	0	0.00%	0.00%	<i>Cumulative Frequency Distribution</i>	
17	0	0.00%	0.00%		
18	2	4.00%	4.00%	<i>Frequency Distribution</i>	
19	0	0.00%	4.00%		
20	4	8.00%	12.00%		
21	5	10.00%	22.00%		
22	1	2.00%	24.00%		
23	3	6.00%	30.00%		
24	8	16.00%	46.00%		
25	5	10.00%	56.00%		
26	6	12.00%	68.00%		
27	3	6.00%	74.00%		
28	3	6.00%	80.00%		
29	3	6.00%	86.00%		
30	3	6.00%	92.00%		
31	1	2.00%	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%		
Totals:	50	100.00%			





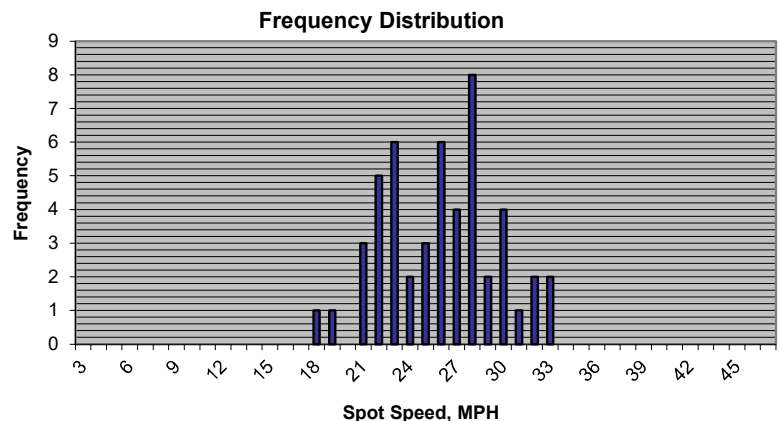
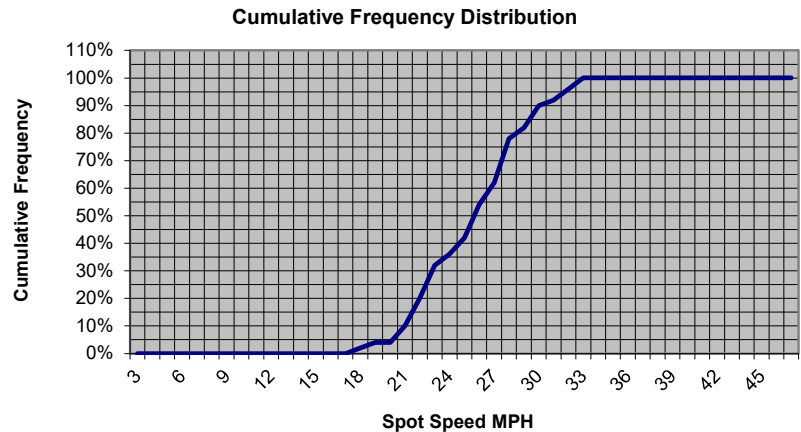
CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	<u>Lincoln Avenue</u>	Direction: <u>SBD</u>	Comments: <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 113</div>
Between:	<u>W Market Street and Clay Street</u>		
Survey Location:	<u>Between Central Ave and W. Gabilan St</u>		
Speed Limit:	<u>25</u> MPH		
Date:	<u>10/22/20</u>	Day: <u>Thursday</u>	
Hours: From:	<u>3:16</u>	To: <u>3:50</u>	
Weather:	<u>Clear</u>		
Observer(s):	<u>Victor C./Giovanni N.</u>		

MPH	Frequency	Percent	Cumulative %	
3	0	0.00%	0.00%	Data Analysis:
4	0	0.00%	0.00%	
5	0	0.00%	0.00%	
6	0	0.00%	0.00%	
7	0	0.00%	0.00%	
8	0	0.00%	0.00%	
9	0	0.00%	0.00%	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	Time Mean Speed: <u>26.0</u> MPH
14	0	0.00%	0.00%	Sample Variance: <u>13.18</u>
15	0	0.00%	0.00%	Standard Deviation: <u>3.6</u>
16	0	0.00%	0.00%	Variance of the Mean: <u>0.2636</u>
17	0	0.00%	0.00%	Standard Error of the Mean: <u>0.5</u>
18	1	2.00%	2.00%	10 MPH Pace: <u>21</u> To: <u>30</u> MPH
19	1	2.00%	4.00%	Percent in Pace: <u>86.0%</u>
20	0	0.00%	4.00%	Vehicles in Pace: <u>43</u>
21	3	6.00%	10.00%	50th Percentile Speed: <u>26</u> MPH
22	5	10.00%	20.00%	85th Percentile Speed: <u>30</u> MPH
23	6	12.00%	32.00%	90th Percentile Speed: <u>30</u> MPH
24	2	4.00%	36.00%	95th Percentile Speed: <u>32</u> MPH
25	3	6.00%	42.00%	
26	6	12.00%	54.00%	
27	4	8.00%	62.00%	
28	8	16.00%	78.00%	
29	2	4.00%	82.00%	
30	4	8.00%	90.00%	
31	1	2.00%	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%	
Totals:	50	100.00%		





CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	<u>Lincoln Avenue</u>	Direction:	<u>NBD/SBD</u>	Comments:		
Between:	<u>W Market Street and Clay Street</u>	No. 113				
Survey Location:	<u>Between Central Ave and W. Gabilan St</u>					
Speed Limit:	<u>25</u> MPH					
Date:	<u>10/20/20</u>				Day:	<u>Tuesday</u>
Hours: From:	<u>3:16PM</u>				To:	<u>3:42PM</u>
Weather:	<u>Clear</u>					
Observer(s):	<u>Victor C./Giovanni N.</u>					

MPH	Frequency	Percent	Cumulative %	
3	0	0.00%	0.00%	
4	0	0.00%	0.00%	
5	0	0.00%	0.00%	
6	0	0.00%	0.00%	
7	0	0.00%	0.00%	
8	0	0.00%	0.00%	
9	0	0.00%	0.00%	
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	4	4.00%	8.00%	
21	8	8.00%	16.00%	
22	6	6.00%	22.00%	
23	9	9.00%	31.00%	
24	10	10.00%	41.00%	
25	8	8.00%	49.00%	
26	12	12.00%	61.00%	
27	7	7.00%	68.00%	
28	11	11.00%	79.00%	
29	5	5.00%	84.00%	
30	7	7.00%	91.00%	
31	2	2.00%	93.00%	
32	3	3.00%	96.00%	
33	4	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%	
Totals:	100	100.00%		

Data Analysis:

Time Mean Speed:	25.5	MPH
Sample Variance:	13.64	
Standard Deviation:	3.7	
Variance of the Mean:	0.1364	
Standard Error of the Mean:	0.4	
10 MPH Pace:	21	To: 30 MPH
Percent in Pace:	83.0%	
Vehicles in Pace:	83	
50th Percentile Speed:	26	MPH
85th Percentile Speed:	30	MPH
90th Percentile Speed:	30	MPH
95th Percentile Speed:	32	MPH

Cumulative Frequency Distribution

Frequency Distribution

1st Attempt

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE

113

LOCATION

Lincoln Ave Btw W Market St + Clay St

DATE

10/20/20

DAY

Tuesday

TIME

3:16

TO

3:42

OBSERVER

Giovanni N.

CALCULATED BY

Victor C.

WEATHER

Sunny

Direction: NB				
MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
66				
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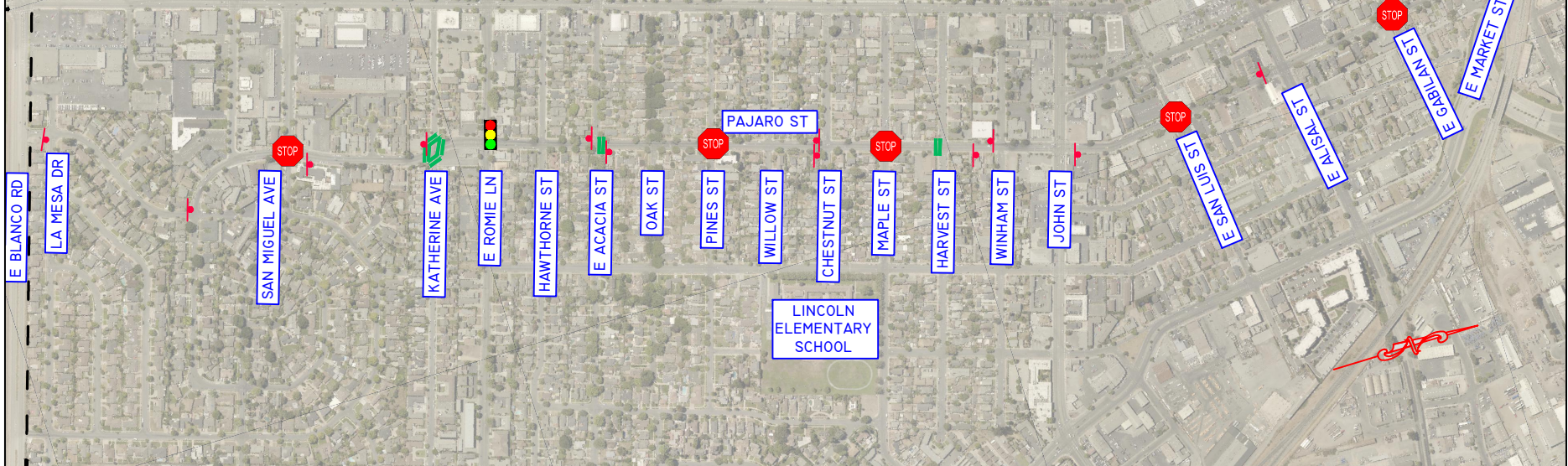
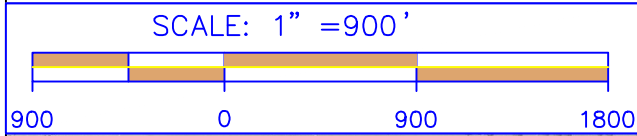
Direction: SB				
MPH	Number of Vehicles			
	5	10	15	20
70				
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62				
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59				
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Public Works Department
City of Salinas
200 Lincoln Avenue
Salinas, California 94901

**CITY OF SALINAS
TRANSPORTATION & ENGINEERING
TRAFFIC SURVEY**








STREET: **PAJARO STREET**
BETWEEN: **E MARKET ST & E BLANCO RD**
SURVEY DATE: **07/17/2020 (EXPIRES 2025)**

116



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, mix, and office use. Speed data collected July 17, 2020, revealed the 85th percentile speed of 32 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, and 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 8,750 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		
85 th Percentile Speed	32 MPH		
Traffic Volume (Date)	4,433		
Accident Data (2 years)	23 Collisions (2018-2019)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	4.29 Acc./MVM		



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	<u>Pajaro Street</u>	Direction:	<u>NBD</u>	Comments:		
Between:	<u>E Market St and Blanco Rd</u>	No. 116				
Survey Location:						
Speed Limit:	<u>25</u> MPH					
Date:	<u>07/17/20</u>				Day:	<u>Friday</u>
Hours: From:	<u>2:17PM</u>				To:	<u>2:35PM</u>
Weather:	<u>Sunny</u>					
Observer(s):	<u>Chris B. and Giovanni N.</u>					

MPH	Frequency	Percent	Cumulative %	Data Analysis:			
3	0	0.00%	0.00%	<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>28.2 25.39 5.0 0.5078 0.7 24 78.0% 39 29 32 33 35</div><div>MPH To: MPH MPH MPH MPH</div></div></div>			
4	0	0.00%	0.00%				
5	0	0.00%	0.00%				
6	0	0.00%	0.00%				
7	0	0.00%	0.00%				
8	0	0.00%	0.00%				
9	0	0.00%	0.00%				
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	2	4.00%	6.00%				
20	0	0.00%	6.00%				
21	0	0.00%	6.00%				
22	2	4.00%	10.00%				
23	2	4.00%	14.00%				
24	5	10.00%	24.00%				
25	4	8.00%	32.00%				
26	3	6.00%	38.00%				
27	3	6.00%	44.00%				
28	1	2.00%	46.00%				
29	4	8.00%	54.00%				
30	7	14.00%	68.00%				
31	5	10.00%	78.00%				
32	4	8.00%	86.00%				
33	3	6.00%	92.00%				
34	0	0.00%	92.00%				
35	3	6.00%	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	0	0.00%	98.00%				
43	0	0.00%	98.00%				
44	0	0.00%	98.00%				
45	0	0.00%	98.00%				
46	1	2.00%	100.00%				
47	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>Pajaro Street</u>	Direction:	<u>SBD</u>	Comments: <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 116</div>
Between:	<u>E Market St and Blanco Rd</u>			
Survey Location:				
Speed Limit:	<u>25</u> MPH			
Date:	<u>07/17/20</u>	Day:	<u>Friday</u>	
Hours: From:	<u>2:17PM</u>	To:	<u>2:35PM</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Chris B. and Giovanni N.</u>			

MPH	Frequency	Percent	Cumulative %	
3	0	0.00%	0.00%	
4	0	0.00%	0.00%	
5	0	0.00%	0.00%	
6	0	0.00%	0.00%	
7	0	0.00%	0.00%	
8	0	0.00%	0.00%	
9	0	0.00%	0.00%	
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	1	2.00%	2.00%	
21	0	0.00%	2.00%	
22	0	0.00%	2.00%	
23	1	2.00%	4.00%	
24	0	0.00%	4.00%	
25	4	8.00%	12.00%	
26	3	6.00%	18.00%	
27	8	16.00%	34.00%	
28	7	14.00%	48.00%	
29	7	14.00%	62.00%	
30	8	16.00%	78.00%	
31	3	6.00%	84.00%	
32	3	6.00%	90.00%	
33	2	4.00%	94.00%	
34	0	0.00%	94.00%	
35	1	2.00%	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%	
Totals:	50	100.00%		

Data Analysis:

Time Mean Speed:	<u>28.8</u>	MPH
Sample Variance:	<u>9.33</u>	
Standard Deviation:	<u>3.1</u>	
Variance of the Mean:	<u>0.1866</u>	
Standard Error of the Mean:	<u>0.4</u>	
10 MPH Pace:	<u>24</u>	To: <u>33</u> MPH
Percent in Pace:	<u>90.0%</u>	
Vehicles in Pace:	<u>45</u>	
50th Percentile Speed:	<u>29</u>	MPH
85th Percentile Speed:	<u>32</u>	MPH
90th Percentile Speed:	<u>32</u>	MPH
95th Percentile Speed:	<u>35</u>	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>E Market St and Blanco Rd</u>	No. 116				
Survey Location:						
Speed Limit:	<u>25</u> MPH					
Date:	<u>07/17/20</u>				Day:	<u>Friday</u>
Hours: From:	<u>2:17PM</u>				To:	<u>2:35PM</u>
Weather:	<u>Sunny</u>					
Observer(s):	<u>Chris B. and Giovanni N.</u>					

MPH	Frequency	Percent	Cumulative %	
3	0	0.00%	0.00%	
4	0	0.00%	0.00%	
5	0	0.00%	0.00%	
6	0	0.00%	0.00%	
7	0	0.00%	0.00%	
8	0	0.00%	0.00%	
9	0	0.00%	0.00%	
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	1.00%	1.00%	
17	0	0.00%	1.00%	
18	0	0.00%	1.00%	
19	2	2.00%	3.00%	
20	1	1.00%	4.00%	
21	0	0.00%	4.00%	
22	2	2.00%	6.00%	
23	3	3.00%	9.00%	
24	5	5.00%	14.00%	
25	8	8.00%	22.00%	
26	6	6.00%	28.00%	
27	11	11.00%	39.00%	
28	8	8.00%	47.00%	
29	11	11.00%	58.00%	
30	15	15.00%	73.00%	
31	8	8.00%	81.00%	
32	7	7.00%	88.00%	
33	5	5.00%	93.00%	
34	0	0.00%	93.00%	
35	4	4.00%	97.00%	
36	2	2.00%	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	0	0.00%	99.00%	
43	0	0.00%	99.00%	
44	0	0.00%	99.00%	
45	0	0.00%	99.00%	
46	1	1.00%	100.00%	
47	0	0.00%	100.00%	
Totals:	100	100.00%		

Data Analysis:

Time Mean Speed:	28.5	MPH
Sample Variance:	17.26	
Standard Deviation:	4.2	
Variance of the Mean:	0.1726	
Standard Error of the Mean:	0.4	
10 MPH Pace:	24	To: 33 MPH
Percent in Pace:	84.0%	
Vehicles in Pace:	84	
50th Percentile Speed:	29	MPH
85th Percentile Speed:	32	MPH
90th Percentile Speed:	33	MPH
95th Percentile Speed:	35	MPH

Cumulative Frequency Distribution

Frequency Distribution

85th: 32 MPH

1st Attempt

SPEED SURVEY FIELD SHEET

SITE CODE

116

CITY OF SALINAS

LOCATION

Pajaro St Btw E Market St + Blanco Rd

DATE

7-17-20

DAY

Friday

TIME

2:17

TO

2:35

OBSERVER

Giovanni N.

CALCULATED BY

Chris B.

WEATHER

Sunny

Direction:

Westbound

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	X			
45				
44				
43				
42				
41				
40				
39				
38				
37				
36	X			
35	X			
34	X			
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	X			
17	X			
16	X			
15				
14				
13				
12				
11				
10				

Direction:

Eastbound

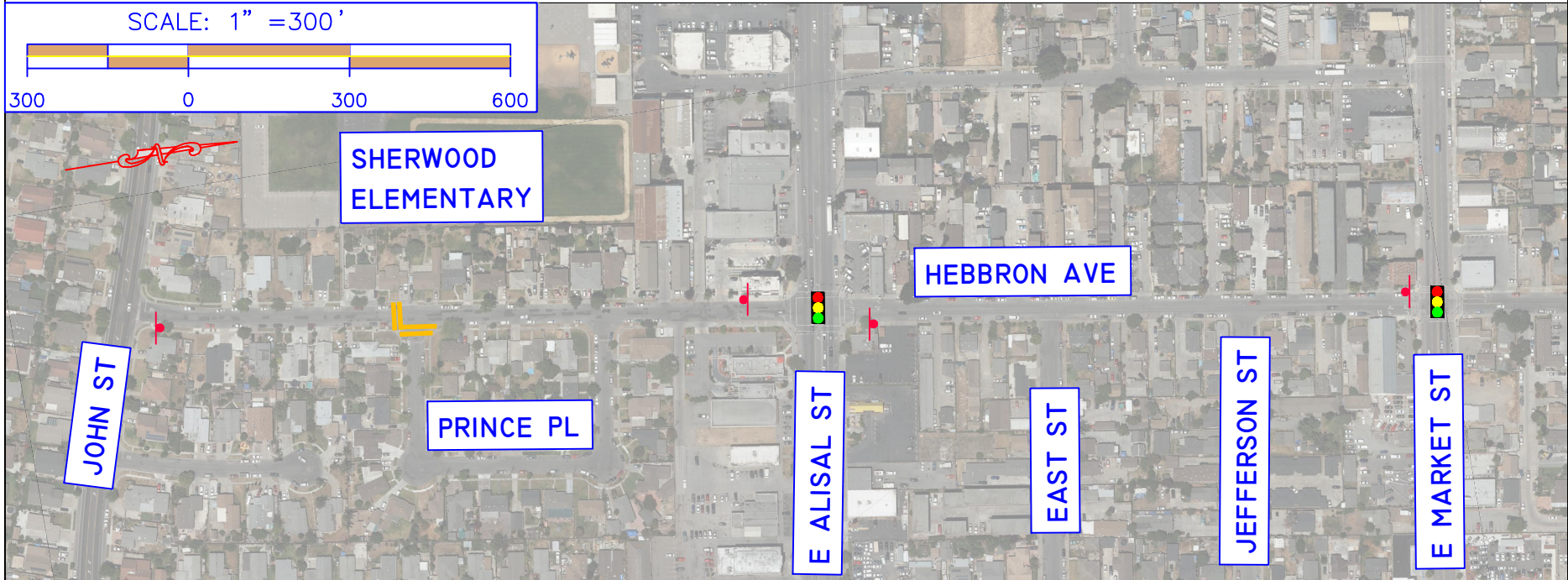
MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
66				
65				
64				
63				
62				
61				
60				
59				
58				
57				
56				
55				
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42				
41				
40				
39				
38				
37				
36	X			
35	X			
34	X			
33	X			
32	X			
31	X			
30	X			
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				

Handwritten tally marks and notes between the two tables, including vertical lines and the word "THIRTY" written vertically.

**CITY OF SALINAS
TRANSPORTATION & ENGINEERING
TRAFFIC SURVEY**

STREET: **HEBBRON AVENUE**
BETWEEN: **E MARKET ST & JOHN ST**
SURVEY DATE: **10/29/2020 (EXPIRES 2025)**

117



COMMENTS:

This segment of Hebbron Avenue is classified as a local/collector in the City of Salinas General Plan. Hebbron Ave is classified as a major collector in the Federal Highway Administration functional classification system. The surrounding land use includes fronting residential homes and office use. Speed data collected October 29, 2020, revealed the 85th percentile speed of 27 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, and the 10 mph pace range, and the prevailing speeds rounded to the nearest 5 mph, 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 Local/Collector		
Proposed Speed Zone	25 MPH		
85 th Percentile Speed	27 MPH		
Traffic Volume (Date)	2,120		
Accident Data (2 years)	12 Collisions (2018-2019)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	16.78 Acc./MVM		



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

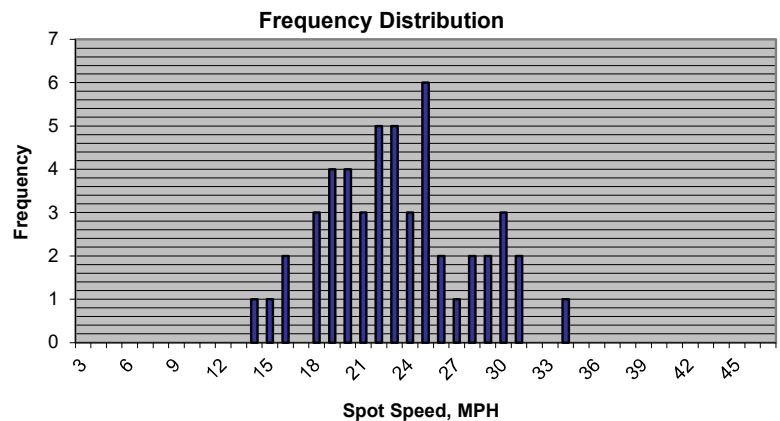
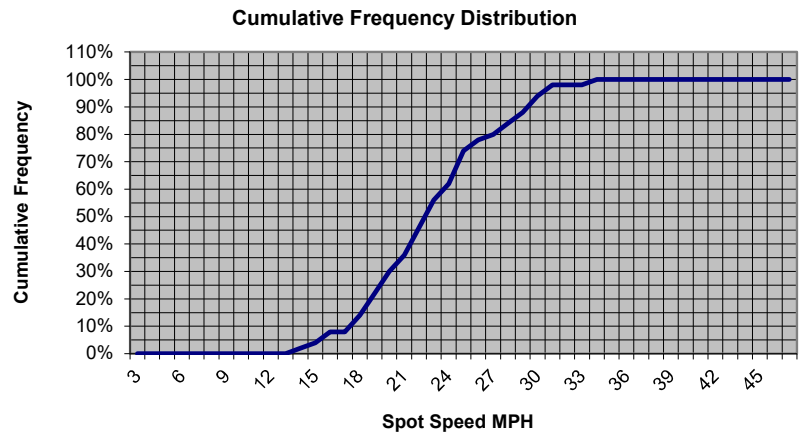
RADAR SURVEY

Street:	Hebbron Avenue	Direction: <u>NBD</u>	Comments: <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No.117</div>
Between:	E Market Street and John Street		
Survey Location:	Between Prince Pl and Prince Pl		
Speed Limit:	25 MPH		
Date:	10/21/2029	Day: Thursday	
Hours: From:	2:18PM	To: 3:21PM	
Weather:	Clear		
Observer(s):	Victor C. and Giovanni N.		

MPH	Frequency	Percent	Cumulative %	Data Analysis:			
3	0	0.00%	0.00%	<div>Time Mean Speed: 23.2 MPH</div> <div>Sample Variance: 20.65</div> <div>Standard Deviation: 4.5</div> <div>Variance of the Mean: 0.4130</div> <div>Standard Error of the Mean: 0.6</div> <div>10 MPH Pace: 18 To: 27 MPH</div> <div>Percent in Pace: 72.0%</div> <div>Vehicles in Pace: 36</div> <div>50th Percentile Speed: 23 MPH</div> <div>85th Percentile Speed: 29 MPH</div> <div>90th Percentile Speed: 30 MPH</div> <div>95th Percentile Speed: 31 MPH</div>			
4	0	0.00%	0.00%				
5	0	0.00%	0.00%				
6	0	0.00%	0.00%				
7	0	0.00%	0.00%				
8	0	0.00%	0.00%				
9	0	0.00%	0.00%				
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	1	2.00%	2.00%				
15	1	2.00%	4.00%				
16	2	4.00%	8.00%				
17	0	0.00%	8.00%				
18	3	6.00%	14.00%				
19	4	8.00%	22.00%				
20	4	8.00%	30.00%				
21	3	6.00%	36.00%				
22	5	10.00%	46.00%				
23	5	10.00%	56.00%				
24	3	6.00%	62.00%				
25	6	12.00%	74.00%				
26	2	4.00%	78.00%				
27	1	2.00%	80.00%				
28	2	4.00%	84.00%				
29	2	4.00%	88.00%				
30	3	6.00%	94.00%				
31	2	4.00%	98.00%				
32	0	0.00%	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%				
Totals:	50	100.00%					

Cumulative Frequency Distribution

Frequency Distribution





CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Hebbron Avenue	Direction:	SBD	Comments:
Between:	E Market Street and John Street	No. 117		
Survey Location:	Between Prince Pl and Prince Pl			
Speed Limit:	25 MPH			
Date:	10/29/21			
Hours:	From: 2:18PM	To:	3:21PM	
Weather:	Clear			
Observer(s):	Victor C. and Giovanni N.			

MPH	Frequency	Percent	Cumulative %	
3	0	0.00%	0.00%	
4	0	0.00%	0.00%	
5	0	0.00%	0.00%	
6	0	0.00%	0.00%	
7	0	0.00%	0.00%	
8	0	0.00%	0.00%	
9	0	0.00%	0.00%	
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	4	8.00%	10.00%	
20	6	12.00%	22.00%	
21	1	2.00%	24.00%	
22	7	14.00%	38.00%	
23	6	12.00%	50.00%	
24	7	14.00%	64.00%	
25	8	16.00%	80.00%	
26	0	0.00%	80.00%	
27	5	10.00%	90.00%	
28	1	2.00%	92.00%	
29	0	0.00%	92.00%	
30	1	2.00%	94.00%	
31	0	0.00%	94.00%	
32	0	0.00%	94.00%	
33	1	2.00%	96.00%	
34	0	0.00%	96.00%	
35	1	2.00%	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%	
Totals:	50	100.00%		

Data Analysis:

Time Mean Speed:	23.8	MPH
Sample Variance:	15.35	
Standard Deviation:	3.9	
Variance of the Mean:	0.3070	
Standard Error of the Mean:	0.6	
10 MPH Pace:	19	To: 28 MPH
Percent in Pace:	90.0%	
Vehicles in Pace:	45	
50th Percentile Speed:	23	MPH
85th Percentile Speed:	27	MPH
90th Percentile Speed:	27	MPH
95th Percentile Speed:	33	MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Hebbron Avenue	Direction:	NBD/SBD	Comments:
Between:	E Market Street and John Street	No.117		
Survey Location:	Between Prince Pl and Prince Pl			
Speed Limit:	25 MPH			
Date:	10/29/21			
Hours:	From: 2:18PM	To:	3:21PM	
Weather:	Clear			
Observer(s):	Victor C. and Giovanni N.			

MPH	Frequency	Percent	Cumulative %	
3	0	0.00%	0.00%	
4	0	0.00%	0.00%	
5	0	0.00%	0.00%	
6	0	0.00%	0.00%	
7	0	0.00%	0.00%	
8	0	0.00%	0.00%	
9	0	0.00%	0.00%	
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	1	1.00%	1.00%	
15	1	1.00%	2.00%	
16	3	3.00%	5.00%	
17	0	0.00%	5.00%	
18	3	3.00%	8.00%	
19	8	8.00%	16.00%	
20	10	10.00%	26.00%	
21	4	4.00%	30.00%	
22	12	12.00%	42.00%	
23	11	11.00%	53.00%	
24	10	10.00%	63.00%	
25	14	14.00%	77.00%	
26	2	2.00%	79.00%	
27	6	6.00%	85.00%	
28	3	3.00%	88.00%	
29	2	2.00%	90.00%	
30	4	4.00%	94.00%	
31	2	2.00%	96.00%	
32	0	0.00%	96.00%	
33	1	1.00%	97.00%	
34	1	1.00%	98.00%	
35	1	1.00%	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%	
Totals:	100	100.00%		

Data Analysis:

Time Mean Speed:	23.5	MPH
Sample Variance:	17.91	
Standard Deviation:	4.2	
Variance of the Mean:	0.1791	
Standard Error of the Mean:	0.4	
10 MPH Pace:	18	To: 27 MPH
Percent in Pace:	80.0%	
Vehicles in Pace:	80	
50th Percentile Speed:	23	MPH
85th Percentile Speed:	27	MPH
90th Percentile Speed:	29	MPH
95th Percentile Speed:	31	MPH

Cumulative Frequency Distribution

Frequency Distribution

1st Attempt

SPEED SURVEY FIELD SHEET

SITE CODE

117

CITY OF SALINAS

LOCATION

Hebbron Ave Btw E Market St + John St

DATE

10/29

DAY

thursday

TIME

2:18

TO

3:21

OBSERVER

Giovanni N.

CALCULATED BY

Victor C.

WEATHER

Sunny

Direction: SB				
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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20				
19				
18				
17				
16				
15				
14				
13				
12				
11				
10				

E. Alisal



Direction: NB				
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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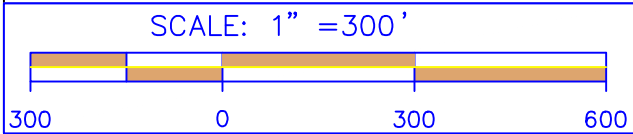
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THX THX THX THX THX
THX THX THX THX THX

**CITY OF SALINAS
TRANSPORTATION & ENGINEERING
TRAFFIC SURVEY**

STREET: **TYLER STREET**
BETWEEN: **IRIS DR & W LAUREL DR**
SURVEY DATE: **10/20/2020 (EXPIRES 2025)**

118



COMMENTS:

This segment of Tyler Street is classified as a collector in the City of Salinas General Plan. The surrounding land use includes fronting residential use. Speed data collected October 20, 2020, revealed the 85th percentile speed of 27 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, and the 10 mph pace range, and the prevailing speeds rounded to the nearest 5 mph, the existing posted speed limit of 25 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 1,800 Feet	ALL WAY STOP SIGNAL SPEED LIMIT SIGN CITY LIMITS CROSSWALK SCHOOL CROSSWALK	
Vertical Alignment	Flat		
Street Width	32 Feet		
No. Lanes and Median	2-Lane Collector		
Proposed Speed Zone	25 MPH		
85 th Percentile Speed	27 MPH		
Traffic Volume (Date)	3,650		
Accident Data (2 years)	6 Collisions (2018-2019)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	6.59 Acc./MVM		



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	<u>Tyler Street</u>	Direction:	<u>NBD</u>	Comments: <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 118</div>
Between:	<u>W Laurel Drive & Iris Dr</u>			
Survey Location:				
Speed Limit:	<u>25</u> MPH			
Date:	<u>10/20/20</u>	Day:	<u>Tuesday</u>	
Hours: From:	<u>2:15PM</u>	To:	<u>3:05PM</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Victor C./Giovanni N.</u>			

MPH	Frequency	Percent	Cumulative %	
3	0	0.00%	0.00%	
4	0	0.00%	0.00%	
5	0	0.00%	0.00%	
6	0	0.00%	0.00%	
7	0	0.00%	0.00%	
8	0	0.00%	0.00%	
9	0	0.00%	0.00%	
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	1	2.00%	2.00%	
16	0	0.00%	2.00%	
17	1	2.00%	4.00%	
18	1	2.00%	6.00%	
19	0	0.00%	6.00%	
20	7	14.00%	20.00%	
21	9	18.00%	38.00%	
22	8	16.00%	54.00%	
23	8	16.00%	70.00%	
24	3	6.00%	76.00%	
25	2	4.00%	80.00%	
26	5	10.00%	90.00%	
27	0	0.00%	90.00%	
28	3	6.00%	96.00%	
29	1	2.00%	98.00%	
30	0	0.00%	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%	
Totals:	50	100.00%		

Data Analysis:

Time Mean Speed:	22.8	MPH
Sample Variance:	11.55	
Standard Deviation:	3.4	
Variance of the Mean:	0.2310	
Standard Error of the Mean:	0.5	
10 MPH Pace:	20	To: 29 MPH
Percent in Pace:	92.0%	
Vehicles in Pace:	46	
50th Percentile Speed:	22	MPH
85th Percentile Speed:	26	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>Tyler Street</u>	Direction:	<u>SBD</u>	Comments: <div style="font-size: 1.2em; font-weight: bold;">No. 118</div>
Between:	<u>W Laurel Drive & Iris Dr</u>			
Survey Location:				
Speed Limit:	<u>25</u> MPH			
Date:	<u>10/20/20</u>	Day:	<u>Tuesday</u>	
Hours: From:	<u>2:15PM</u>	To:	<u>3:05PM</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Victor C./Giovanni N.</u>			

MPH	Frequency	Percent	Cumulative %	
3	0	0.00%	0.00%	
4	0	0.00%	0.00%	
5	0	0.00%	0.00%	
6	0	0.00%	0.00%	
7	0	0.00%	0.00%	
8	0	0.00%	0.00%	
9	0	0.00%	0.00%	
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	5	10.00%	10.00%	
21	4	8.00%	18.00%	
22	3	6.00%	24.00%	
23	5	10.00%	34.00%	
24	7	14.00%	48.00%	
25	9	18.00%	66.00%	
26	4	8.00%	74.00%	
27	3	6.00%	80.00%	
28	6	12.00%	92.00%	
29	1	2.00%	94.00%	
30	1	2.00%	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	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%	
Totals:	50	100.00%		

Data Analysis:

Time Mean Speed:	24.7	MPH
Sample Variance:	10.36	
Standard Deviation:	3.2	
Variance of the Mean:	0.2072	
Standard Error of the Mean:	0.5	
10 MPH Pace:	20	To: 29 MPH
Percent in Pace:	94.0%	
Vehicles in Pace:	47	
50th Percentile Speed:	25	MPH
85th Percentile Speed:	28	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>Tyler Street</u>	Direction:	<u>NBD/SBD</u>	Comments:		
Between:	<u>W Laurel Drive & Iris Dr</u>	No. 118				
Survey Location:						
Speed Limit:	<u>25</u> MPH					
Date:	<u>10/20/20</u>				Day:	<u>Tuesday</u>
Hours: From:	<u>2:15PM</u>				To:	<u>3:05PM</u>
Weather:	<u>Sunny</u>					
Observer(s):	<u>Victor C./Giovanni N.</u>					

MPH	Frequency	Percent	Cumulative %	
3	0	0.00%	0.00%	
4	0	0.00%	0.00%	
5	0	0.00%	0.00%	
6	0	0.00%	0.00%	
7	0	0.00%	0.00%	
8	0	0.00%	0.00%	
9	0	0.00%	0.00%	
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	1	1.00%	1.00%	
16	0	0.00%	1.00%	
17	1	1.00%	2.00%	
18	1	1.00%	3.00%	
19	0	0.00%	3.00%	
20	12	12.00%	15.00%	
21	13	13.00%	28.00%	
22	11	11.00%	39.00%	
23	13	13.00%	52.00%	
24	10	10.00%	62.00%	
25	11	11.00%	73.00%	
26	9	9.00%	82.00%	
27	3	3.00%	85.00%	
28	9	9.00%	94.00%	
29	2	2.00%	96.00%	
30	1	1.00%	97.00%	
31	1	1.00%	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	2	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%	
Totals:	100	100.00%		

Data Analysis:

Time Mean Speed:	23.8	MPH
Sample Variance:	11.80	
Standard Deviation:	3.4	
Variance of the Mean:	0.1180	
Standard Error of the Mean:	0.3	
10 MPH Pace:	20	To: 29 MPH
Percent in Pace:	93.0%	
Vehicles in Pace:	93	
50th Percentile Speed:	23	MPH
85th Percentile Speed:	27	MPH
90th Percentile Speed:	28	MPH
95th Percentile Speed:	29	MPH

Cumulative Frequency Distribution

This graph plots Cumulative Frequency (0% to 110%) against Spot Speed (3 to 45 MPH). The curve starts at 0% for speeds up to 15 MPH, then rises steeply, reaching approximately 90% at 25 MPH and plateauing at 100% from 36 MPH onwards.

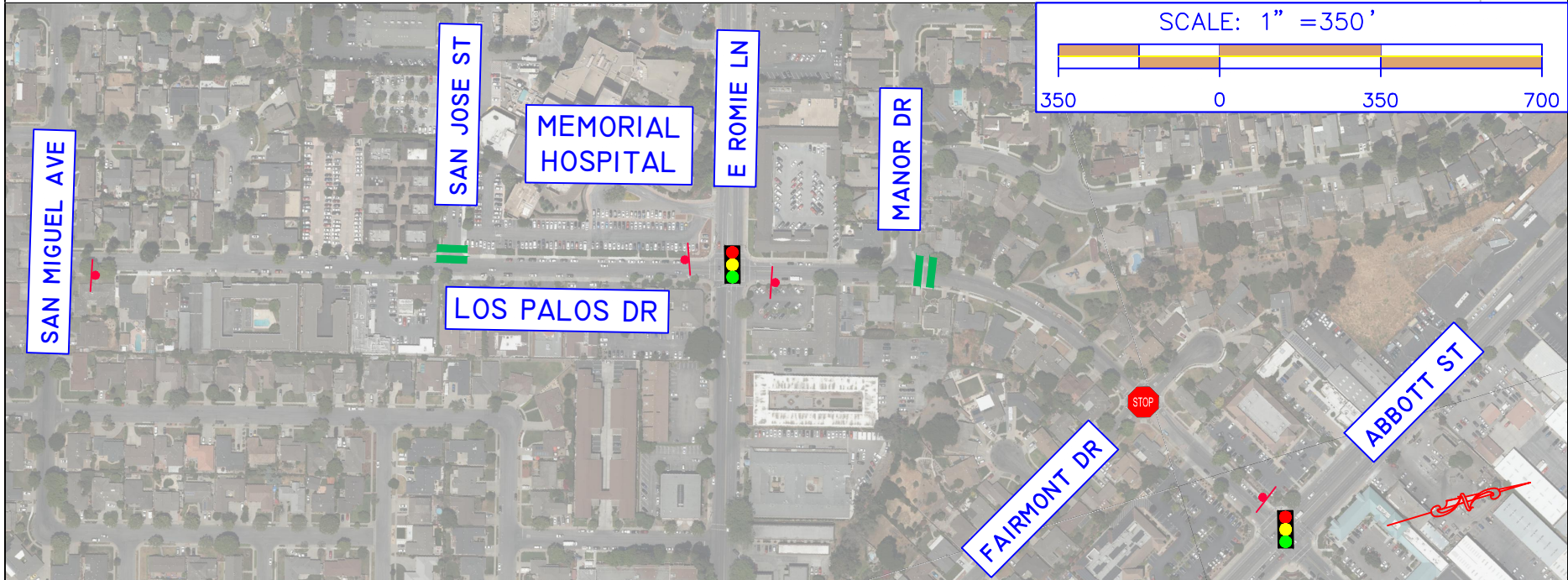
Frequency Distribution

This histogram shows the frequency of vehicles at each speed. The x-axis is Spot Speed (3 to 45 MPH) and the y-axis is Frequency (0 to 14). The distribution is unimodal and slightly right-skewed, with the highest frequency of 13 occurring at 21 MPH and 22 MPH.

**CITY OF SALINAS
TRANSPORTATION & ENGINEERING
TRAFFIC SURVEY**

STREET: **LOS PALOS DRIVE**
BETWEEN: **SAN MIGUEL AVE & ABBOTT ST**
SURVEY DATE: **09/03/2020 (EXPIRES 2025)**

121



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, hospital, office, and park use. Speed data collected September 3, 2020, 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, and 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	ALL WAY STOP SIGNAL SPEED LIMIT SIGN CITY LIMITS CROSSWALK SCHOOL CROSSWALK	
Vertical Alignment	Flat		
Street Width	38 Feet		
No. Lanes and Median	2-Lane Collector		
Proposed Speed Zone	25 MPH		
85 th Percentile Speed	29 MPH		
Traffic Volume (Date)	1,571		
Accident Data (2 years)	4 Collisions (2018-2019)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	6.39 Acc./MVM		



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Los Palos Dr	Direction:	NBD	Comments:
Between:	Abbott St and San Miguel Ave	No. 121		
Survey Location:	San Jose St and Via Pajaro			
Speed Limit:	25 MPH			
Date:	09/03/20			
Hours:	From: 1:05PM	To:	2:30PM	
Weather:	Sunny			
Observer(s):	Victor C. & Giovanni N.			

MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%		
11	0	0.00%	0.00%	Time Mean Speed:	24.1 MPH
12	0	0.00%	0.00%	Sample Variance:	24.25
13	0	0.00%	0.00%	Standard Deviation:	4.9
14	0	0.00%	0.00%	Variance of the Mean:	0.4850
15	0	0.00%	0.00%	Standard Error of the Mean:	0.7
16	0	0.00%	0.00%	10 MPH Pace:	18 To: 27 MPH
17	1	2.00%	2.00%	Percent in Pace:	84.0%
18	5	10.00%	12.00%	Vehicles in Pace:	42
19	1	2.00%	14.00%	50th Percentile Speed:	23 MPH
20	5	10.00%	24.00%	85th Percentile Speed:	27 MPH
21	2	4.00%	28.00%	90th Percentile Speed:	29 MPH
22	5	10.00%	38.00%	95th Percentile Speed:	37 MPH
23	6	12.00%	50.00%	Cumulative Frequency Distribution	
24	5	10.00%	60.00%		
25	6	12.00%	72.00%	Frequency Distribution	
26	2	4.00%	76.00%		
27	5	10.00%	86.00%		
28	1	2.00%	88.00%		
29	1	2.00%	90.00%		
30	1	2.00%	92.00%		
31		0.00%	92.00%		
32		0.00%	92.00%		
33	1	2.00%	94.00%		
34		0.00%	94.00%		
35		0.00%	94.00%		
36		0.00%	94.00%		
37	2	4.00%	98.00%		
38		0.00%	98.00%		
39		0.00%	98.00%		
40	1	2.00%	100.00%		
41		0.00%	100.00%		
42		0.00%	100.00%		
43		0.00%	100.00%		
44		0.00%	100.00%		
45		0.00%	100.00%		
46		0.00%	100.00%		
47		0.00%	100.00%		
48		0.00%	100.00%		
49		0.00%	100.00%		
50		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:	Los Palos Dr	Direction:	SBD	Comments:
Between:	Abbott St and San Miguel Ave	No. 121		
Survey Location:	San Jose St and Via Paraiso			
Speed Limit:	25 MPH			
Date:	09/03/20			
Hours:	From: 1:05PM	To:	2:30PM	
Weather:	Sunny			
Observer(s):	Victor C. & Giovanni N.			

MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%	Time Mean Speed: 26.2 MPH Sample Variance: 14.42 Standard Deviation: 3.8 Variance of the Mean: 0.2884 Standard Error of the Mean: 0.5 10 MPH Pace: 22 To: 31 MPH Percent in Pace: 86.0% Vehicles in Pace: 43 50th Percentile Speed: 26 MPH 85th Percentile Speed: 30 MPH 90th Percentile Speed: 31 MPH 95th Percentile Speed: 34 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	1	2.00%	2.00%		
19	0	0.00%	2.00%		
20	3	6.00%	8.00%		
21	0	0.00%	8.00%		
22	3	6.00%	14.00%		
23	6	12.00%	26.00%	Cumulative Frequency Distribution 	
24	2	4.00%	30.00%		
25	7	14.00%	44.00%		
26	6	12.00%	56.00%		
27	5	10.00%	66.00%		
28	5	10.00%	76.00%		
29	3	6.00%	82.00%		
30	3	6.00%	88.00%		
31	3	6.00%	94.00%		
32	0	0.00%	94.00%		
33	0	0.00%	94.00%	Frequency Distribution 	
34	1	2.00%	96.00%		
35	1	2.00%	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%			



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Los Palos Dr	Direction:	NBD/SBD	Comments:
Between:	Abbott St and San Miguel Ave			No. 121
Survey Location:	San Jose St and Via Pajaro			
Speed Limit:	25 MPH			
Date:	09/03/20	Day:	Thursday	
Hours:	From: 1:05PM	To:	2:30PM	
Weather:	Sunny			
Observer(s):	Victor C. & Giovanni N.			

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	1	1.00%	1.00%	
18	6	6.00%	7.00%	
19	1	1.00%	8.00%	
20	8	8.00%	16.00%	
21	2	2.00%	18.00%	
22	8	8.00%	26.00%	
23	12	12.00%	38.00%	
24	7	7.00%	45.00%	
25	13	13.00%	58.00%	
26	8	8.00%	66.00%	
27	10	10.00%	76.00%	
28	6	6.00%	82.00%	
29	4	4.00%	86.00%	
30	4	4.00%	90.00%	
31	3	3.00%	93.00%	
32	0	0.00%	93.00%	
33	1	1.00%	94.00%	
34	1	1.00%	95.00%	
35	1	1.00%	96.00%	
36	1	1.00%	97.00%	
37	2	2.00%	99.00%	
38	0	0.00%	99.00%	
39	0	0.00%	99.00%	
40	1	1.00%	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:	25.2	MPH
Sample Variance:	20.23	
Standard Deviation:	4.5	
Variance of the Mean:	0.2023	
Standard Error of the Mean:	0.4	
10 MPH Pace:	20	To: 29 MPH
Percent in Pace:	78.0%	
Vehicles in Pace:	78	
50th Percentile Speed:	25	MPH
85th Percentile Speed:	29	MPH
90th Percentile Speed:	30	MPH
95th Percentile Speed:	34	MPH

Cumulative Frequency Distribution

Frequency Distribution

1st Attempt

SPEED SURVEY FIELD SHEET

SITE CODE

121

CITY OF SALINAS

LOCATION Los Palos Dr Btw San Miguel Ave + Abbott St.

DATE 9/3/20 DAY Thursday TIME 1:05 TO 2:30

OBSERVER Chris B CALCULATED BY Giovanni N. WEATHER sunny

Direction:				
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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11				
10				

Direction: Towards San Miguel				
MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
66				
65				
64				
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62				
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59				
58				
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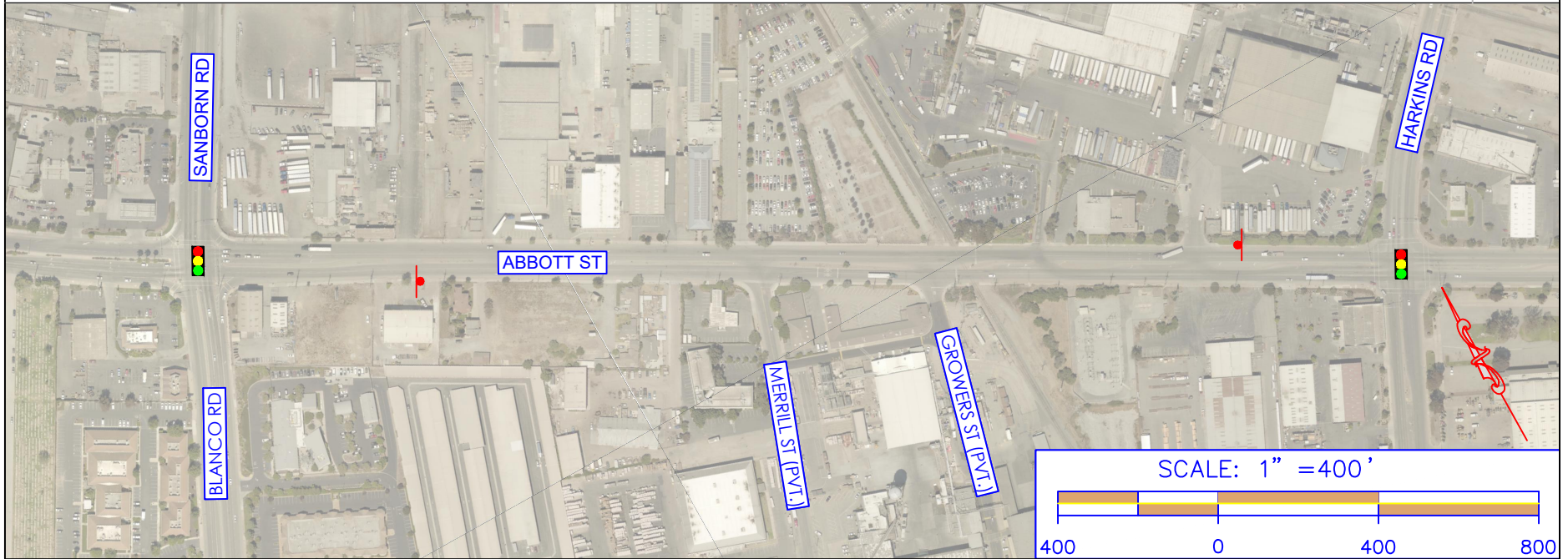
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**CITY OF SALINAS
TRANSPORTATION & ENGINEERING
TRAFFIC SURVEY**








STREET: **ABBOTT STREET**
BETWEEN: **SANBORN RD & HARKINS RD**
SURVEY DATE: **01/15/21 (EXPIRES IN 2026)**

3



COMMENTS:

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 January 15, 2021, revealed the 85th percentile speed of 43 mph. The 10 mph pace ranges from 34 mph to 43 mph and suggests the 85th percentile is within this range. Based on the surrounding land use, and 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 reduced to 40 mph.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 3,000 Feet	 ALL WAY STOP  SIGNAL  SPEED LIMIT SIGN  CITY LIMITS  CROSSWALK  SCHOOL CROSSWALK	
Vertical Alignment	Flat		
Street Width	110 Feet		
No. Lanes and Median	4-Lane Major Arterial		
Proposed Speed Zone	40 MPH		
85th Percentile Speed	43 MPH		
Traffic Volume (Date)	20,729		
Accident Data (2 years)	12 Collisions (2018-2019)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	1.40 Acc./MVM		



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	<u>Abbott Street</u>	Direction:	<u>WBD</u>	Comments: No. 3
Between:	<u>Sanborn Rd and Harkins Rd</u>			
Survey Location:	<u>Lincoln Ave and Church St</u>			
Speed Limit:	<u>45</u> MPH			
Date:	<u>01/15/21</u>	Day:	<u>Friday</u>	
Hours: From:	<u>12:22pm</u>	To:	<u>12:40pm</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Victor C. and Israel G.</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	1	2.00%	2.00%	
28	0	0.00%	2.00%	
29	1	2.00%	4.00%	
30	0	0.00%	4.00%	
31	0	0.00%	4.00%	
32	1	2.00%	6.00%	
33	1	2.00%	8.00%	
34	3	6.00%	14.00%	
35	1	2.00%	16.00%	
36	2	4.00%	20.00%	
37	1	2.00%	22.00%	
38	4	8.00%	30.00%	
39	2	4.00%	34.00%	
40	8	16.00%	50.00%	
41	6	12.00%	62.00%	
42	5	10.00%	72.00%	
43	3	6.00%	78.00%	
44	3	6.00%	84.00%	
45	2	4.00%	88.00%	
46	3	6.00%	94.00%	
47	1	2.00%	96.00%	
48	0	0.00%	96.00%	
49	0	0.00%	96.00%	
50	0	0.00%	96.00%	
51	0	0.00%	96.00%	
52	1	2.00%	98.00%	
53	0	0.00%	98.00%	
54	1	2.00%	100.00%	
Totals:	50	100.00%		

Data Analysis:

Time Mean Speed:	40.3	MPH
Sample Variance:	25.28	
Standard Deviation:	5.0	
Variance of the Mean:	0.5056	
Standard Error of the Mean:	0.7	
10 MPH Pace:	37	To: 46 MPH
Percent in Pace:	74.0%	
Vehicles in Pace:	37	
50th Percentile Speed:	40	MPH
85th Percentile Speed:	45	MPH
90th Percentile Speed:	46	MPH
95th Percentile Speed:	47	MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	<u>Abbott Street</u>	Direction:	<u>EBD</u>	Comments: <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 123</div>
Between:	<u>Sanborn Rd and Harkins Rd</u>			
Survey Location:	<u>Lincoln Ave and Church St</u>			
Speed Limit:	<u>45</u> MPH			
Date:	<u>01/15/21</u>	Day:	<u>Friday</u>	
Hours: From:	<u>12:22pm</u>	To:	<u>12:40pm</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Victor C. and Israel G.</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	1	2.00%	2.00%	
26	0	0.00%	2.00%	
27	0	0.00%	2.00%	
28	1	2.00%	4.00%	
29	0	0.00%	4.00%	
30	1	2.00%	6.00%	
31	0	0.00%	6.00%	
32	2	4.00%	10.00%	
33	4	8.00%	18.00%	
34	4	8.00%	26.00%	
35	3	6.00%	32.00%	
36	6	12.00%	44.00%	
37	2	4.00%	48.00%	
38	6	12.00%	60.00%	
39	3	6.00%	66.00%	
40	4	8.00%	74.00%	
41	1	2.00%	76.00%	
42	3	6.00%	82.00%	
43	5	10.00%	92.00%	
44	0	0.00%	92.00%	
45	0	0.00%	92.00%	
46	0	0.00%	92.00%	
47	1	2.00%	94.00%	
48	2	4.00%	98.00%	
49	0	0.00%	98.00%	
50	1	2.00%	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:	37.8	MPH
Sample Variance:	25.43	
Standard Deviation:	5.0	
Variance of the Mean:	0.5086	
Standard Error of the Mean:	0.7	
10 MPH Pace:	34	To: 43 MPH
Percent in Pace:	74.0%	
Vehicles in Pace:	37	
50th Percentile Speed:	38	MPH
85th Percentile Speed:	43	MPH
90th Percentile Speed:	43	MPH
95th Percentile Speed:	48	MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	<u>Abbott Street</u>	Direction:	<u>WBD/EBD</u>	Comments:
Between:	<u>Sanborn Rd and Harkins Rd</u>	No.49		
Survey Location:	<u>Lincoln Ave and Church St</u>			
Speed Limit:	<u>45</u> MPH			
Date:	<u>01/15/21</u>			
Hours:	From: <u>12:22pm</u>	Day:	<u>Friday</u>	
	To: <u>12:40pm</u>	To:	<u>12:40pm</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Victor C. and Israel G.</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	1	1.00%	1.00%	
26	0	0.00%	1.00%	
27	1	1.00%	2.00%	
28	1	1.00%	3.00%	
29	1	1.00%	4.00%	
30	1	1.00%	5.00%	
31	0	0.00%	5.00%	
32	3	3.00%	8.00%	
33	5	5.00%	13.00%	
34	7	7.00%	20.00%	
35	4	4.00%	24.00%	
36	8	8.00%	32.00%	
37	3	3.00%	35.00%	
38	10	10.00%	45.00%	
39	5	5.00%	50.00%	
40	12	12.00%	62.00%	
41	7	7.00%	69.00%	
42	8	8.00%	77.00%	
43	8	8.00%	85.00%	
44	3	3.00%	88.00%	
45	2	2.00%	90.00%	
46	3	3.00%	93.00%	
47	2	2.00%	95.00%	
48	2	2.00%	97.00%	
49	0	0.00%	97.00%	
50	1	1.00%	98.00%	
51	0	0.00%	98.00%	
52	1	1.00%	99.00%	
53	0	0.00%	99.00%	
54	1	1.00%	100.00%	
Totals:	100	100.00%		

Data Analysis:

Time Mean Speed:	39.1	MPH
Sample Variance:	26.67	
Standard Deviation:	5.2	
Variance of the Mean:	0.2667	
Standard Error of the Mean:	0.5	
10 MPH Pace:	34	To: 43 MPH
Percent in Pace:	72.0%	
Vehicles in Pace:	72	
50th Percentile Speed:	39	MPH
85th Percentile Speed:	43	MPH
90th Percentile Speed:	45	MPH
95th Percentile Speed:	47	MPH

Cumulative Frequency Distribution

Frequency Distribution

SITE CODE

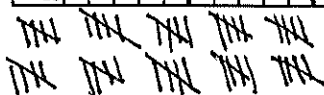
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SPEED SURVEY FIELD SHEET

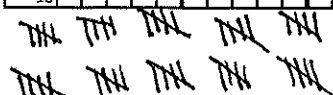
CITY OF SALINAS

LOCATION Abbott btwn Harkins and SarbornDATE 1/15/21 DAY FridayTIME 12:22 TO 12:40OBSERVER Giovanni CALCULATED BY Victor WEATHER Sunny

Direction: <u>EB</u>				
MPH	Number of Vehicles			
	5	10	15	20
70				
69				
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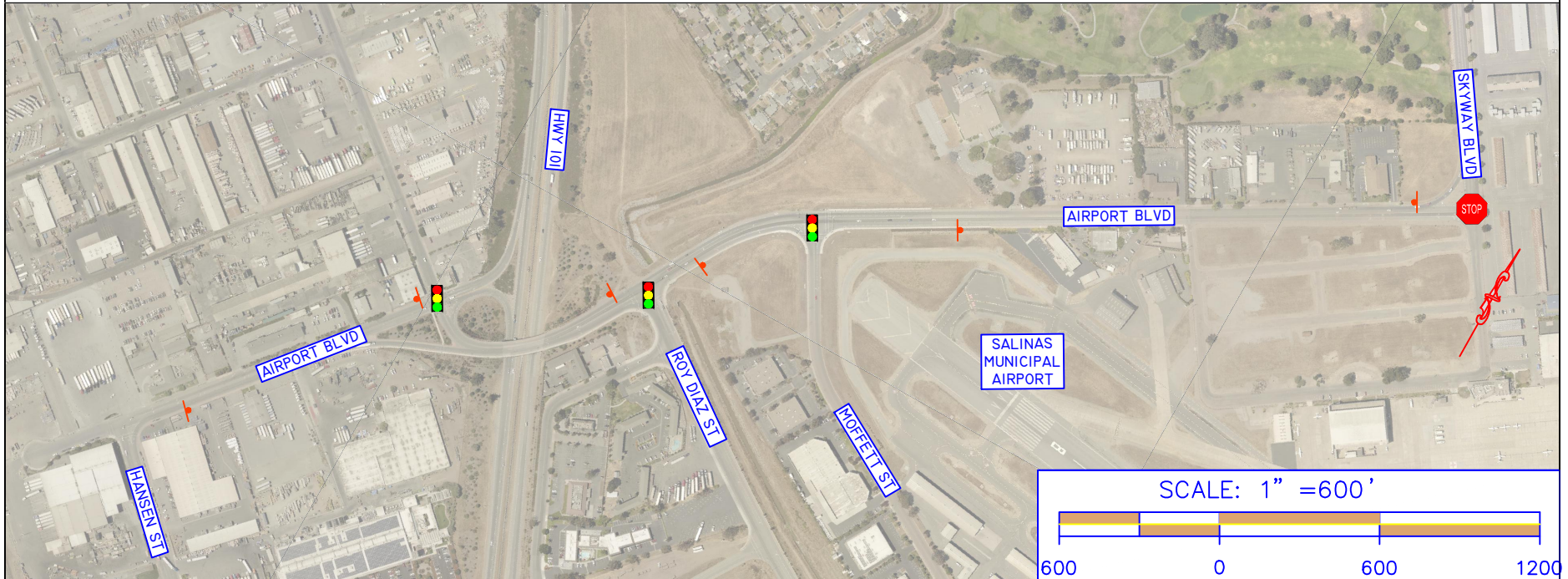
Direction: <u>WB</u>				
MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
66				
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64				
63				
62				
61				
60				
59				
58				
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**CITY OF SALINAS
TRANSPORTATION & ENGINEERING
TRAFFIC SURVEY**

**STREET: AIRPORT BOULEVARD
BETWEEN: SKYWAY BLVD & HANSEN ST
SURVEY DATE: 01/07/2021 (EXPIRES IN 2026)**

5



COMMENTS:

This segment of Airport Boulevard is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes industrial and business park use. Speed data collected January 7, 2021, revealed the 85th percentile speed of 50 mph. The 10 mph pace ranges from 39 mph to 48 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, and the 10 mph pace range, and the prevailing speeds reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 45 mph should be retained and the speed limit should be increased from 25 mph to 45 mph on westerly portion of the segment.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 5,200 Feet	ALL WAY STOP SIGNAL SPEED LIMIT SIGN CITY LIMITS CROSSWALK SCHOOL CROSSWALK	
Vertical Alignment	Flat		
Street Width	64 Feet		
No. Lanes and Median	4-Lane Minor Arterial		
Proposed Speed Zone	45 MPH		
85th Percentile Speed	50 MPH		
Traffic Volume (Date)	12,245		
Accident Data (2 years)	11 Collisions (2018-2019)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	1.25 Acc./MVM		



CITY OF SALINAS

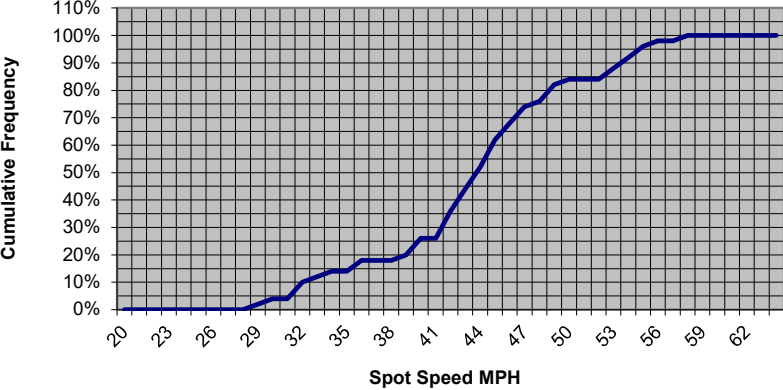
DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

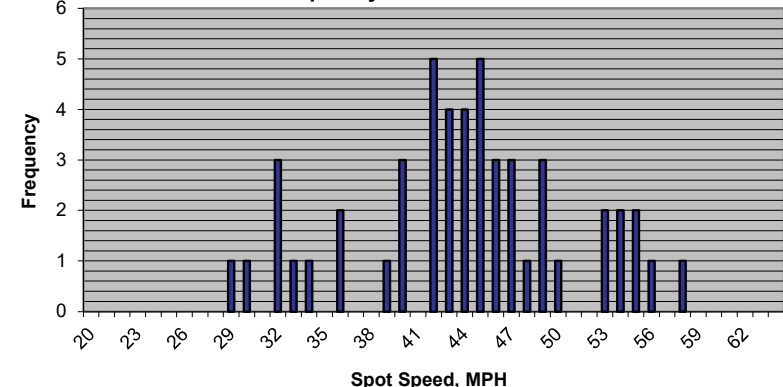
Street:	Airport Blvd	Direction:	WBD	Comments:
Between:	Skyway Blvd & Hansen St	No. 5		
Survey Location:	Skyway Blvd & Mercer Way			
Speed Limit:	45 MPH			
Date:	01/07/21			
Hours:	From: 10:00AM	To:	10:32AM	
Weather:	Clear			
Observer(s):	Victor C. & Giovanni N.			

MPH	Frequency	Percent	Cumulative %	Data Analysis:			
20	0	0.00%	0.00%	<div>Time Mean Speed: 44.0 MPH</div> <div>Sample Variance: 49.26</div> <div>Standard Deviation: 7.0</div> <div>Variance of the Mean: 0.9852</div> <div>Standard Error of the Mean: 1.0</div> <div>10 MPH Pace: 40 To: 49 MPH</div> <div>Percent in Pace: 62.0%</div> <div>Vehicles in Pace: 31</div> <div>50th Percentile Speed: 44 MPH</div> <div>85th Percentile Speed: 53 MPH</div> <div>90th Percentile Speed: 54 MPH</div> <div>95th Percentile Speed: 55 MPH</div>			
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	1	2.00%	2.00%				
30	1	2.00%	4.00%				
31	0	0.00%	4.00%				
32	3	6.00%	10.00%				
33	1	2.00%	12.00%				
34	1	2.00%	14.00%				
35	0	0.00%	14.00%				
36	2	4.00%	18.00%				
37	0	0.00%	18.00%				
38	0	0.00%	18.00%				
39	1	2.00%	20.00%				
40	3	6.00%	26.00%				
41	0	0.00%	26.00%				
42	5	10.00%	36.00%				
43	4	8.00%	44.00%				
44	4	8.00%	52.00%				
45	5	10.00%	62.00%				
46	3	6.00%	68.00%				
47	3	6.00%	74.00%				
48	1	2.00%	76.00%				
49	3	6.00%	82.00%				
50	1	2.00%	84.00%				
51	0	0.00%	84.00%				
52	0	0.00%	84.00%				
53	2	4.00%	88.00%				
54	2	4.00%	92.00%				
55	2	4.00%	96.00%				
56	1	2.00%	98.00%				
57	0	0.00%	98.00%				
58	1	2.00%	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%				
Totals:	50	100.00%					

Cumulative Frequency Distribution



Frequency Distribution





CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Airport Blvd	Direction: EBD	Comments: <div style="font-size: 1.2em; font-weight: bold;">No. 5</div>
Between:	Skyway Blvd & Hansen St		
Survey Location:	Skyway Blvd & Mercer Way		
Speed Limit:	45 MPH		
Date:	01/07/21	Day: Thursday	
Hours: From:	10:00AM	To: 10:32AM	
Weather:	Clear		
Observer(s):	Victor C. & Giovanni N.		

MPH	Frequency	Percent	Cumulative %	
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	0	0.00%	2.00%	
31	1	2.00%	4.00%	
32	0	0.00%	4.00%	
33	1	2.00%	6.00%	
34	0	0.00%	6.00%	
35	3	6.00%	12.00%	
36	0	0.00%	12.00%	
37	3	6.00%	18.00%	
38	3	6.00%	24.00%	
39	6	12.00%	36.00%	
40	2	4.00%	40.00%	
41	3	6.00%	46.00%	
42	4	8.00%	54.00%	
43	0	0.00%	54.00%	
44	1	2.00%	56.00%	
45	6	12.00%	68.00%	
46	1	2.00%	70.00%	
47	3	6.00%	76.00%	
48	3	6.00%	82.00%	
49	2	4.00%	86.00%	
50	2	4.00%	90.00%	
51	0	0.00%	90.00%	
52	1	2.00%	92.00%	
53	3	6.00%	98.00%	
54	0	0.00%	98.00%	
55	1	2.00%	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%	
Totals:	50	100.00%		

Data Analysis:

Time Mean Speed:	42.7	MPH
Sample Variance:	37.19	
Standard Deviation:	6.1	
Variance of the Mean:	0.7438	
Standard Error of the Mean:	0.9	
10 MPH Pace:	37	To: 46 MPH
Percent in Pace:	58.0%	
Vehicles in Pace:	29	
50th Percentile Speed:	42	MPH
85th Percentile Speed:	49	MPH
90th Percentile Speed:	50	MPH
95th Percentile Speed:	53	MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Airport Blvd	Direction:	WBD/EBD	Comments:
Between:	Skyway Blvd & Hansen St	No. 5		
Survey Location:	Skyway Blvd & Mercer Way			
Speed Limit:	45 MPH			
Date:	01/07/21			
Hours:	From: 10:00AM	To:	10:32AM	
Weather:	Clear			
Observer(s):	Victor C. & Giovanni N.			

MPH	Frequency	Percent	Cumulative %	
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	1.00%	1.00%	
29	1	1.00%	2.00%	
30	1	1.00%	3.00%	
31	1	1.00%	4.00%	
32	3	3.00%	7.00%	
33	2	2.00%	9.00%	
34	1	1.00%	10.00%	
35	3	3.00%	13.00%	
36	2	2.00%	15.00%	
37	3	3.00%	18.00%	
38	3	3.00%	21.00%	
39	7	7.00%	28.00%	
40	5	5.00%	33.00%	
41	3	3.00%	36.00%	
42	9	9.00%	45.00%	
43	4	4.00%	49.00%	
44	5	5.00%	54.00%	
45	11	11.00%	65.00%	
46	4	4.00%	69.00%	
47	6	6.00%	75.00%	
48	4	4.00%	79.00%	
49	5	5.00%	84.00%	
50	3	3.00%	87.00%	
51	0	0.00%	87.00%	
52	1	1.00%	88.00%	
53	5	5.00%	93.00%	
54	2	2.00%	95.00%	
55	3	3.00%	98.00%	
56	1	1.00%	99.00%	
57	0	0.00%	99.00%	
58	1	1.00%	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%	
Totals:	100	100.00%		

Data Analysis:

Time Mean Speed:	43.3	MPH
Sample Variance:	43.18	
Standard Deviation:	6.6	
Variance of the Mean:	0.4318	
Standard Error of the Mean:	0.7	
10 MPH Pace:	39	To: 48 MPH
Percent in Pace:	58.0%	
Vehicles in Pace:	58	
50th Percentile Speed:	44	MPH
85th Percentile Speed:	50	MPH
90th Percentile Speed:	53	MPH
95th Percentile Speed:	54	MPH

Cumulative Frequency Distribution

Frequency Distribution

SITE CODE

5

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

LOCATION Airport Boulevard b/twn Skyway Blvd & Ray Diaz StreetDATE 11/7/21 DAY Thursday TIME 10:00 TO 10:32OBSERVER Guo CALCULATED BY Victor WEATHER Clear

Direction: ← WB		Number of Vehicles															
MPH		5				10				15				20			
70																	
69																	
68																	
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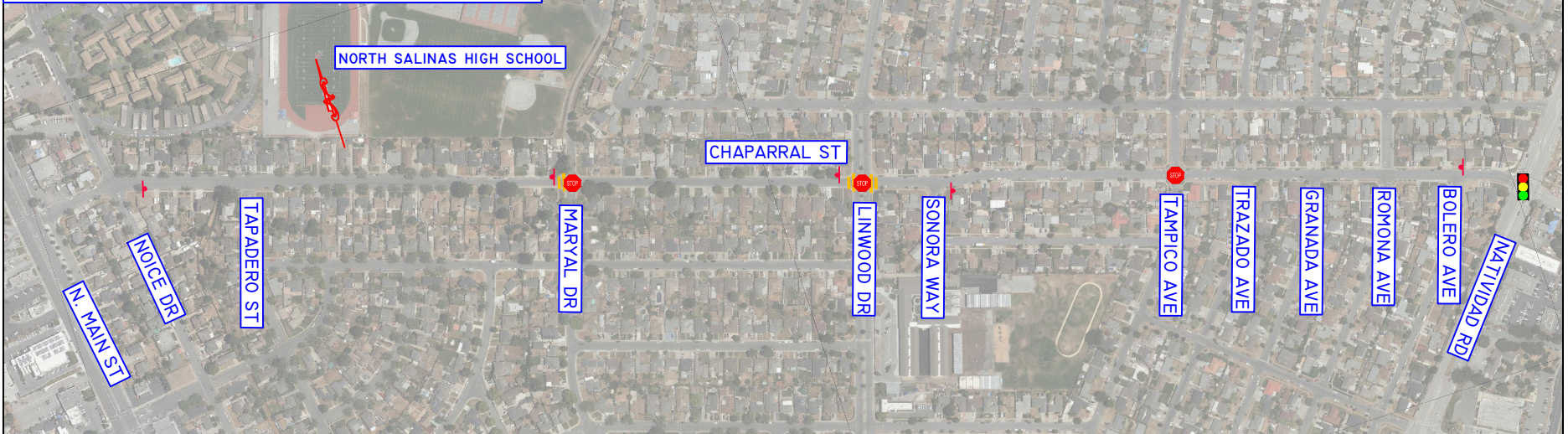
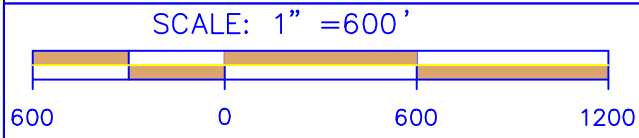
Direction: → EB		Number of Vehicles															
MPH		5				10				15				20			
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**CITY OF SALINAS
TRANSPORTATION & ENGINEERING
TRAFFIC SURVEY**









STREET: **CHAPARRAL STREET**
BETWEEN: **NATIVIDAD RD & N MAIN ST**
SURVEY DATE: **07/15/21 (EXPIRES 2026)**

23



COMMENTS:

This segment of Chaparral Street is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes fronting residential homes use. Speed data was collected July 15, 2021, 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, and the 10 mph pace range, and the prevailing speeds rounded to the nearest 5 mph, the existing posted speed limit of 25 mph should be retained and the speed limit should be reduced from 30 mph to 25 mph on westerly portion of the segment.

AREA	DESCRIPTION	MAP SYMBOL		
Distance	Approximately 5,650 Feet		ALL WAY STOP	
Vertical Alignment	Flat		SIGNAL	
Street Width	Varies (44 to 56 Feet)		SPEED LIMIT SIGN	
No. Lanes and Median	2-Lane Minor Arterial		CITY LIMITS	
Proposed Speed Zone	25 MPH		CROSSWALK	
85th Percentile Speed	26 MPH		SCHOOL CROSSWALK	
Traffic Volume (Date)	3,640		CROSSING GUARD	
Accident Data (2 years)	5 Collisions (2018-2019)			
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	1.77 Acc./MVM			



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Chaparral St	Direction: <u>WBD</u>	Comments: <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 23</div>
Between:	N. Main St and Natividad Rd		
Survey Location:	Maryal Dr and Linwood Dr		
Speed Limit:	25 MPH		
Date:	07/15/21	Day: Thursday	
Hours: From:	12:37AM	To: 1:52PM	
Weather:	Sunny		
Observer(s):	Israel G. and Victor C.		

MPH	Frequency	Percent	Cumulative %	
3	0	0.00%	0.00%	
4	0	0.00%	0.00%	
5	0	0.00%	0.00%	
6	0	0.00%	0.00%	
7	0	0.00%	0.00%	
8	0	0.00%	0.00%	
9	0	0.00%	0.00%	
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	1	2.00%	2.00%	
16	0	0.00%	2.00%	
17	0	0.00%	2.00%	
18	3	6.00%	8.00%	
19	4	8.00%	16.00%	
20	13	26.00%	42.00%	
21	4	8.00%	50.00%	
22	1	2.00%	52.00%	
23	4	8.00%	60.00%	
24	4	8.00%	68.00%	
25	7	14.00%	82.00%	
26	5	10.00%	92.00%	
27	2	4.00%	96.00%	
28	0	0.00%	96.00%	
29	1	2.00%	98.00%	
30	0	0.00%	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	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	0	0.00%	98.00%	
43	0	0.00%	98.00%	
44	0	0.00%	98.00%	
45	0	0.00%	98.00%	
46	0	0.00%	98.00%	
47	1	2.00%	100.00%	
Totals:	50	100.00%		

Data Analysis:

Time Mean Speed:	22.7	MPH
Sample Variance:	21.49	
Standard Deviation:	4.6	
Variance of the Mean:	0.4298	
Standard Error of the Mean:	0.7	
10 MPH Pace:	18	To: 27 MPH
Percent in Pace:	94.0%	
Vehicles in Pace:	47	
50th Percentile Speed:	21	MPH
85th Percentile Speed:	26	MPH
90th Percentile Speed:	26	MPH
95th Percentile Speed:	27	MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Chaparral St	Direction: <u>EBD</u>	Comments: <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 23</div>
Between:	N. Main St and Natividad Rd		
Survey Location:	Maryal Dr and Linwood Dr		
Speed Limit:	25 MPH		
Date:	07/15/21	Day: Thursday	
Hours: From:	12:37AM	To: 1:52PM	
Weather:	Sunny		
Observer(s):	Israel G. and Victor C.		

MPH	Frequency	Percent	Cumulative %	
3	0	0.00%	0.00%	
4	0	0.00%	0.00%	
5	0	0.00%	0.00%	
6	0	0.00%	0.00%	
7	0	0.00%	0.00%	
8	0	0.00%	0.00%	
9	0	0.00%	0.00%	
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	2	4.00%	4.00%	
16	0	0.00%	4.00%	
17	0	0.00%	4.00%	
18	2	4.00%	8.00%	
19	2	4.00%	12.00%	
20	11	22.00%	34.00%	
21	6	12.00%	46.00%	
22	5	10.00%	56.00%	
23	9	18.00%	74.00%	
24	3	6.00%	80.00%	
25	3	6.00%	86.00%	
26	1	2.00%	88.00%	
27	1	2.00%	90.00%	
28	1	2.00%	92.00%	
29	0	0.00%	92.00%	
30	2	4.00%	96.00%	
31	0	0.00%	96.00%	
32	1	2.00%	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%	
Totals:	50	100.00%		

Data Analysis:

Time Mean Speed:	22.4	MPH
Sample Variance:	14.00	
Standard Deviation:	3.7	
Variance of the Mean:	0.2800	
Standard Error of the Mean:	0.5	
10 MPH Pace:	18	To: 27 MPH
Percent in Pace:	86.0%	
Vehicles in Pace:	43	
50th Percentile Speed:	22	MPH
85th Percentile Speed:	25	MPH
90th Percentile Speed:	27	MPH
95th Percentile Speed:	30	MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	<u>Chaparral St</u>	Direction:	<u>WBD/EBD</u>	Comments: No.23
Between:	<u>N. Main St and Natividad Rd</u>			
Survey Location:	<u>Maryal Dr and Linwood Dr</u>			
Speed Limit:	<u>25</u> MPH			
Date:	<u>07/15/21</u>	Day:	<u>Thursday</u>	
Hours:	From: <u>12:37AM</u>	To:	<u>1:52PM</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Israel G. and Victor C.</u>			

MPH	Frequency	Percent	Cumulative %	<i>Data Analysis:</i>
3	0	0.00%	0.00%	
4	0	0.00%	0.00%	
5	0	0.00%	0.00%	
6	0	0.00%	0.00%	
7	0	0.00%	0.00%	
8	0	0.00%	0.00%	
9	0	0.00%	0.00%	
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	3	3.00%	3.00%	
16	0	0.00%	3.00%	
17	0	0.00%	3.00%	
18	5	5.00%	8.00%	
19	6	6.00%	14.00%	
20	24	24.00%	38.00%	
21	10	10.00%	48.00%	
22	6	6.00%	54.00%	
23	13	13.00%	67.00%	
24	7	7.00%	74.00%	
25	10	10.00%	84.00%	
26	6	6.00%	90.00%	
27	3	3.00%	93.00%	
28	1	1.00%	94.00%	
29	1	1.00%	95.00%	
30	2	2.00%	97.00%	
31	0	0.00%	97.00%	
32	1	1.00%	98.00%	
33	0	0.00%	98.00%	
34	1	1.00%	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	0	0.00%	99.00%	
43	0	0.00%	99.00%	
44	0	0.00%	99.00%	
45	0	0.00%	99.00%	
46	0	0.00%	99.00%	
47	1	1.00%	100.00%	
Totals:	100	100.00%		

Time Mean Speed: 22.6 MPH

Sample Variance: 17.58

Standard Deviation: 4.2

Variance of the Mean: 0.1758

Standard Error of the Mean: 0.4

10 MPH Pace: 18 To: 27 MPH

Percent in Pace: 90.0%

Vehicles in Pace: 90

50th Percentile Speed: 22 MPH

85th Percentile Speed: 26 MPH

90th Percentile Speed: 26 MPH

95th Percentile Speed: 29 MPH

Cumulative Frequency Distribution

Frequency Distribution

SITE CODE
 126

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

LOCATION Chaparral St btwn Mungal Dr and Linwood dr
 DATE 7/15 DAY Thursday
 OBSERVER Israel G

TIME 12:37 TO 1:52
 CALCULATED BY Victor C

WEATHER Sunny

Direction: <u>WR</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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14				
13				
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11				
10				

Direction: <u>EB</u>				
MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
66				
65				
64				
63				
62				
61				
60				
59				
58				
57				
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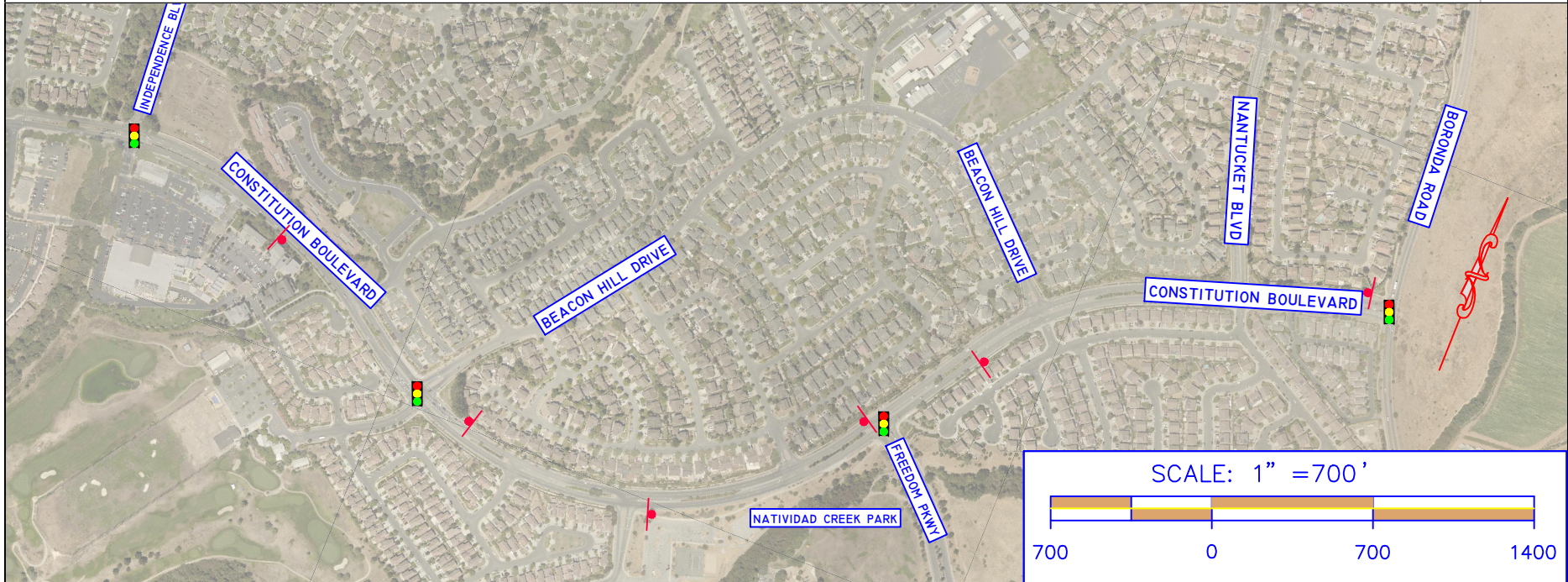
Handwritten notes and tally marks at the bottom left of the WR direction grid.

Handwritten notes and tally marks at the bottom right of the EB direction grid.

**CITY OF SALINAS
TRANSPORTATION & ENGINEERING
TRAFFIC SURVEY**

STREET: **CONSTITUTION BOULEVARD**
BETWEEN: **INDEPENDENCE BLVD & BORONDA RD**
SURVEY DATE: **01/08/21 (EXPIRES IN 2026)**

27



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 January 8, 2021, revealed the 85th percentile speed of 47 mph. The 10 mph pace ranges from 38 mph to 47 mph and suggests the 85th percentile is within this range. Based on the surrounding land use, and 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 45 mph should be reduced to 40 mph.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 8,200 Feet	ALL WAY STOP SIGNAL SPEED LIMIT SIGN CITY LIMITS CROSSWALK SCHOOL CROSSWALK CROSSING GUARD	
Vertical Alignment	Flat		
Street Width	87 Feet		
No. Lanes and Median	4-Lane Minor Arterial		
Proposed Speed Zone	40 MPH		
85th Percentile Speed	47 MPH		
Traffic Volume (Date)	8,166		
Accident Data (2 years)	20 Collisions (2018-2019)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	2.82 Acc./MVM		



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	<u>Contsitution Blvd</u>	Direction: <u>WBD</u>	Comments: <div style="font-size: 1.2em; font-weight: bold;">No. 27</div>
Between:	<u>Independence Blvd & Boronda Rd</u>		
Survey Location:	<u>Nantucket lvd & Beacon Hill Dr</u>		
Speed Limit:	<u>45</u> MPH		
Date:	<u>01/11/21</u>	Day: <u>Friday</u>	
Hours: From:	<u>1:00PM</u>	To: <u>1:38PM</u>	
Weather:	<u>Sunny</u>		
Observer(s):	<u>Giovanni N. & Victor C.</u>		

MPH	Frequency	Percent	Cumulative %	
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	1	2.00%	2.00%	
30	0	0.00%	2.00%	
31	0	0.00%	2.00%	
32	2	4.00%	6.00%	
33	2	4.00%	10.00%	
34	2	4.00%	14.00%	
35	0	0.00%	14.00%	
36	3	6.00%	20.00%	
37	1	2.00%	22.00%	
38	2	4.00%	26.00%	
39	3	6.00%	32.00%	
40	1	2.00%	34.00%	
41	5	10.00%	44.00%	
42	4	8.00%	52.00%	
43	1	2.00%	54.00%	
44	3	6.00%	60.00%	
45	5	10.00%	70.00%	
46	2	4.00%	74.00%	
47	4	8.00%	82.00%	
48	2	4.00%	86.00%	
49	1	2.00%	88.00%	
50	2	4.00%	92.00%	
51	0	0.00%	92.00%	
52	0	0.00%	92.00%	
53	1	2.00%	94.00%	
54	0	0.00%	94.00%	
55	0	0.00%	94.00%	
56	0	0.00%	94.00%	
57	1	2.00%	96.00%	
58	0	0.00%	96.00%	
59	1	2.00%	98.00%	
60	0	0.00%	98.00%	
61	0	0.00%	98.00%	
62	1	2.00%	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%	
Totals:	50	100.00%		

Data Analysis:

Time Mean Speed:	42.7	MPH
Sample Variance:	47.16	
Standard Deviation:	6.9	
Variance of the Mean:	0.9432	
Standard Error of the Mean:	1.0	
10 MPH Pace:	38	To: 47 MPH
Percent in Pace:	60.0%	
Vehicles in Pace:	30	
50th Percentile Speed:	42	MPH
85th Percentile Speed:	48	MPH
90th Percentile Speed:	50	MPH
95th Percentile Speed:	57	MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Contsitution Blvd	Direction: <u>EBD</u>	Comments: <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 27</div>
Between:	Independence Blvd & Boronda Rd		
Survey Location:	Nantucket lvd & Beacon Hill Dr		
Speed Limit:	45 MPH		
Date:	01/11/21	Day: Friday	
Hours: From:	1:00PM	To: 1:38PM	
Weather:	Sunny		
Observer(s):	Giovanni N. & Victor C.		

MPH	Frequency	Percent	Cumulative %	
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	0	0.00%	2.00%	
31	0	0.00%	2.00%	
32	1	2.00%	4.00%	
33	0	0.00%	4.00%	
34	2	4.00%	8.00%	
35	0	0.00%	8.00%	
36	3	6.00%	14.00%	
37	3	6.00%	20.00%	
38	6	12.00%	32.00%	
39	3	6.00%	38.00%	
40	7	14.00%	52.00%	
41	2	4.00%	56.00%	
42	3	6.00%	62.00%	
43	5	10.00%	72.00%	
44	3	6.00%	78.00%	
45	3	6.00%	84.00%	
46	4	8.00%	92.00%	
47	1	2.00%	94.00%	
48	1	2.00%	96.00%	
49	0	0.00%	96.00%	
50	1	2.00%	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	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	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	1	2.00%	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%	
Totals:	50	100.00%		

Data Analysis:

Time Mean Speed:	41.1	MPH
Sample Variance:	30.27	
Standard Deviation:	5.5	
Variance of the Mean:	0.6054	
Standard Error of the Mean:	0.8	
10 MPH Pace:	37	To: 46 MPH
Percent in Pace:	78.0%	
Vehicles in Pace:	39	
50th Percentile Speed:	40	MPH
85th Percentile Speed:	46	MPH
90th Percentile Speed:	46	MPH
95th Percentile Speed:	48	MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	<u>Contsitution Blvd</u>	Direction:	<u>WBD/EBD</u>	Comments: No. 27
Between:	<u>Independence Blvd & Boronda Rd</u>			
Survey Location:	<u>Nantucket lvd & Beacon Hill Dr</u>			
Speed Limit:	<u>45</u> MPH			
Date:	<u>01/11/21</u>	Day:	<u>Friday</u>	
Hours:	From: <u>1:00PM</u>	To:	<u>1:38PM</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Giovanni N. & Victor C.</u>			

MPH	Frequency	Percent	Cumulative %	
25	0	0.00%	0.00%	
26	0	0.00%	0.00%	
27	0	0.00%	0.00%	
28	1	1.00%	1.00%	
29	1	1.00%	2.00%	
30	0	0.00%	2.00%	
31	0	0.00%	2.00%	
32	3	3.00%	5.00%	
33	2	2.00%	7.00%	
34	4	4.00%	11.00%	
35	0	0.00%	11.00%	
36	6	6.00%	17.00%	
37	4	4.00%	21.00%	
38	8	8.00%	29.00%	
39	6	6.00%	35.00%	
40	8	8.00%	43.00%	
41	7	7.00%	50.00%	
42	7	7.00%	57.00%	
43	6	6.00%	63.00%	
44	6	6.00%	69.00%	
45	8	8.00%	77.00%	
46	6	6.00%	83.00%	
47	5	5.00%	88.00%	
48	3	3.00%	91.00%	
49	1	1.00%	92.00%	
50	3	3.00%	95.00%	
51	0	0.00%	95.00%	
52	0	0.00%	95.00%	
53	1	1.00%	96.00%	
54	0	0.00%	96.00%	
55	0	0.00%	96.00%	
56	0	0.00%	96.00%	
57	1	1.00%	97.00%	
58	0	0.00%	97.00%	
59	1	1.00%	98.00%	
60	0	0.00%	98.00%	
61	0	0.00%	98.00%	
62	1	1.00%	99.00%	
63	0	0.00%	99.00%	
64	0	0.00%	99.00%	
65	1	1.00%	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%	
Totals:	100	100.00%		

Data Analysis:

Time Mean Speed:	41.9	MPH
Sample Variance:	38.94	
Standard Deviation:	6.2	
Variance of the Mean:	0.3894	
Standard Error of the Mean:	0.6	
10 MPH Pace:	38	To: 47 MPH
Percent in Pace:	67.0%	
Vehicles in Pace:	67	
50th Percentile Speed:	41	MPH
85th Percentile Speed:	47	MPH
90th Percentile Speed:	48	MPH
95th Percentile Speed:	50	MPH

Cumulative Frequency Distribution

Frequency Distribution

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE
21

LOCATION Constitution btwn Independence Blvd & Boronda Rd

DATE 1/8/21 DAY Friday TIME 1:00 TO 1:35

OBSERVER Giovanni N. CALCULATED BY Victor C. WEATHER Sunny

Direction: <u>WB</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	
54	
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Direction: <u>EB</u>	
MPH	Number of Vehicles
	5 10 15 20
70	
69	
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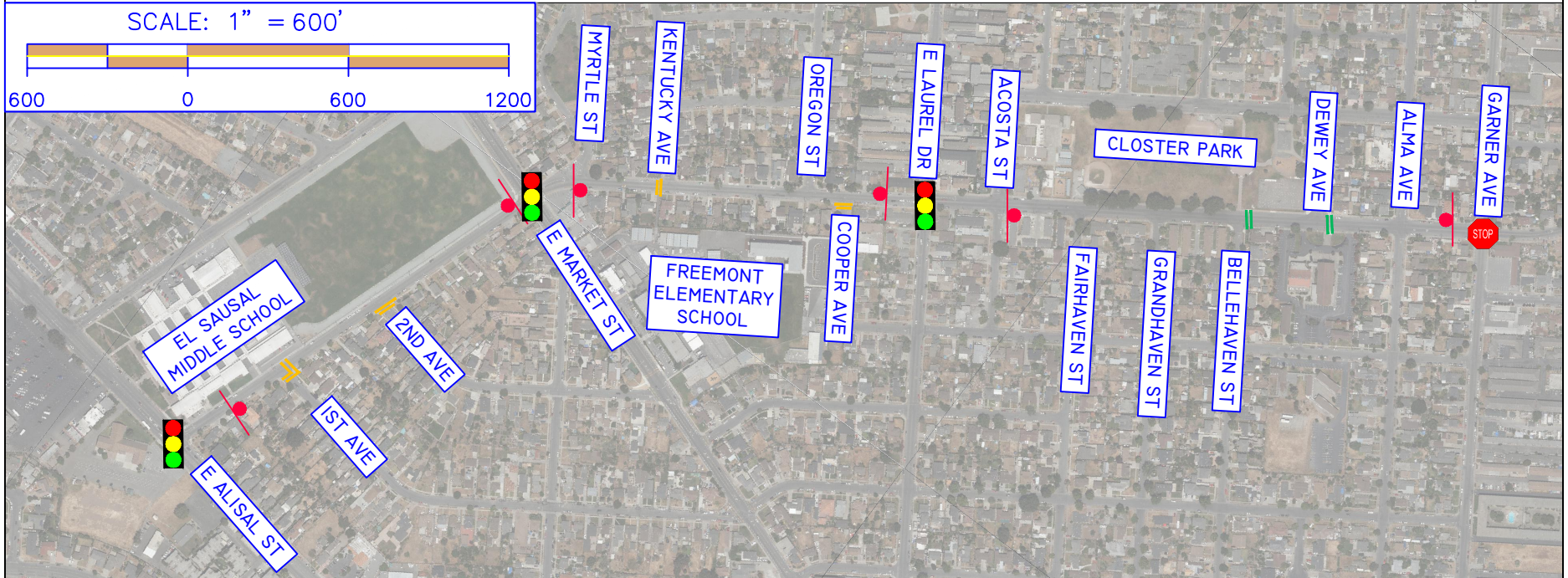
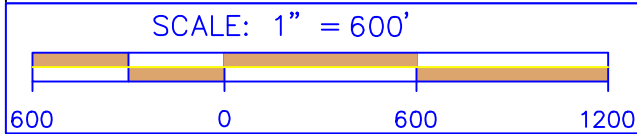
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**CITY OF SALINAS
TRANSPORTATION & ENGINEERING
TRAFFIC SURVEY**

STREET: **TOWT STREET**
BETWEEN: **E ALISAL ST & GARNER AVE**
SURVEY DATE: **08/11/2021 (EXPIRES 2026)**

72



COMMENTS:

This segment of Towt Street is classified as a collector in the City of Salinas General Plan. The surrounding land use includes fronting residential homes, park, and school use. Speed data collected August 11, 2021, revealed the 85th percentile speed of 34 mph. The 10 mph pace ranges from 25 mph to 34 mph and suggests the 85th percentile is within this range. Based on the surrounding land use, and 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 increased to 30 mph.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 5,200 Feet	ALL WAY STOP SIGNAL SPEED LIMIT SIGN CITY LIMITS CROSSWALK SCHOOL CROSSWALK	
Vertical Alignment	Flat		
Street Width	Varies (36 to 54 Feet)		
No. Lanes and Median	2-Lane Collector		
Proposed Speed Zone	30 MPH		
85 th Percentile Speed	34 MPH		
Traffic Volume (Date)	6,323		
Accident Data (2 years)	31 Collisions (2018-2019)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	6.85 Acc./MVM		



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	<u>Towt St</u>	Direction:	<u>WBD/EBD</u>	Comments: No. 72
Between:	<u>E. Alisal St and Garner Ave</u>			
Survey Location:	<u>Bellehaven St and Grandhaven St</u>			
Speed Limit:	<u>25</u> MPH			
Date:	<u>08/11/21</u>	Day:	<u>Tuesday</u>	
Hours:	From: <u>11:41AM</u>	To:	<u>12:19PM</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Victor C. and Giovanni N.</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	1	1.00%	1.00%	
21	2	2.00%	3.00%	
22	2	2.00%	5.00%	
23	5	5.00%	10.00%	
24	3	3.00%	13.00%	
25	2	2.00%	15.00%	
26	4	4.00%	19.00%	
27	4	4.00%	23.00%	
28	6	6.00%	29.00%	
29	10	10.00%	39.00%	
30	11	11.00%	50.00%	
31	10	10.00%	60.00%	
32	9	9.00%	69.00%	
33	10	10.00%	79.00%	
34	6	6.00%	85.00%	
35	2	2.00%	87.00%	
36	3	3.00%	90.00%	
37	3	3.00%	93.00%	
38	2	2.00%	95.00%	
39	2	2.00%	97.00%	
40	2	2.00%	99.00%	
41	0	0.00%	99.00%	
42	0	0.00%	99.00%	
43	0	0.00%	99.00%	
44	1	1.00%	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:	30.4	MPH
Sample Variance:	21.54	
Standard Deviation:	4.6	
Variance of the Mean:	0.2154	
Standard Error of the Mean:	0.5	
10 MPH Pace:	25	To: 34 MPH
Percent in Pace:	72.0%	
Vehicles in Pace:	72	
50th Percentile Speed:	30	MPH
85th Percentile Speed:	34	MPH
90th Percentile Speed:	36	MPH
95th Percentile Speed:	38	MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	<u>Towt St</u>	Direction: <u>EBD</u>	Comments: <div style="font-size: 1.2em; font-weight: bold;">No. 72</div>
Between:	<u>E. Alisal St and Garner Ave</u>		
Survey Location:	<u>Bellehaven St and Grandhaven St</u>		
Speed Limit:	<u>25</u> MPH		
Date:	<u>08/11/21</u>	Day: <u>Tuesday</u>	
Hours: From:	<u>11:41AM</u>	To: <u>12:19PM</u>	
Weather:	<u>Sunny</u>		
Observer(s):	<u>Victor C. and Giovanni N.</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	1	2.00%	2.00%	
22	1	2.00%	4.00%	
23	3	6.00%	10.00%	
24	0	0.00%	10.00%	
25	1	2.00%	12.00%	
26	0	0.00%	12.00%	
27	1	2.00%	14.00%	
28	2	4.00%	18.00%	
29	5	10.00%	28.00%	
30	5	10.00%	38.00%	
31	4	8.00%	46.00%	
32	7	14.00%	60.00%	
33	5	10.00%	70.00%	
34	3	6.00%	76.00%	
35	2	4.00%	80.00%	
36	2	4.00%	84.00%	
37	2	4.00%	88.00%	
38	1	2.00%	90.00%	
39	2	4.00%	94.00%	
40	2	4.00%	98.00%	
41	0	0.00%	98.00%	
42	0	0.00%	98.00%	
43	0	0.00%	98.00%	
44	1	2.00%	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:	31.7	MPH
Sample Variance:	23.63	
Standard Deviation:	4.9	
Variance of the Mean:	0.4726	
Standard Error of the Mean:	0.7	
10 MPH Pace:	28	To: 37 MPH
Percent in Pace:	74.0%	
Vehicles in Pace:	37	
50th Percentile Speed:	32	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>Towt St</u>	Direction:	<u>WBD</u>	Comments: <div style="font-size: 1.2em; font-weight: bold;">No. 72</div>
Between:	<u>E. Alisal St and Garner Ave</u>			
Survey Location:	<u>Bellehaven St and Grandhaven St</u>			
Speed Limit:	<u>25</u> MPH			
Date:	<u>08/11/21</u>	Day:	<u>Tuesday</u>	
Hours: From:	<u>11:41AM</u>	To:	<u>12:19PM</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Victor C. and Giovanni N.</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	1	2.00%	2.00%	
21	1	2.00%	4.00%	
22	1	2.00%	6.00%	
23	2	4.00%	10.00%	
24	3	6.00%	16.00%	
25	1	2.00%	18.00%	
26	4	8.00%	26.00%	
27	3	6.00%	32.00%	
28	4	8.00%	40.00%	
29	5	10.00%	50.00%	
30	6	12.00%	62.00%	
31	6	12.00%	74.00%	
32	2	4.00%	78.00%	
33	5	10.00%	88.00%	
34	3	6.00%	94.00%	
35	0	0.00%	94.00%	
36	1	2.00%	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:	29.1	MPH
Sample Variance:	16.43	
Standard Deviation:	4.1	
Variance of the Mean:	0.3286	
Standard Error of the Mean:	0.6	
10 MPH Pace:	24	To: 33 MPH
Percent in Pace:	78.0%	
Vehicles in Pace:	39	
50th Percentile Speed:	29	MPH
85th Percentile Speed:	33	MPH
90th Percentile Speed:	34	MPH
95th Percentile Speed:	36	MPH

Cumulative Frequency Distribution

Frequency Distribution

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE

72

LOCATION Tunst St

DATE 8/11/21 DAY Wednesday

TIME 11:41 TO 12:19

OBSERVER Giovanni N.

CALCULATED BY Victor C.

WEATHER Sunny

Direction: <u>EB</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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Direction: <u>WB</u>				
MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
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63				
62				
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59				
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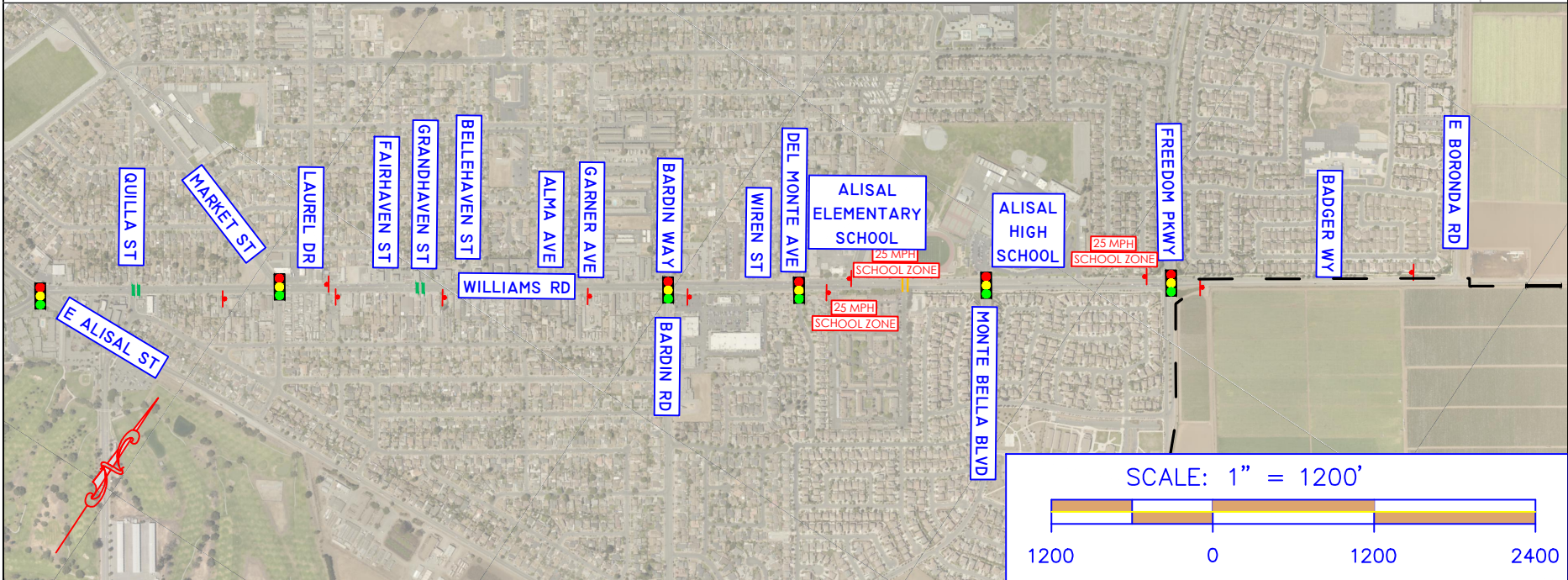
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**CITY OF SALINAS
TRANSPORTATION & ENGINEERING
TRAFFIC SURVEY**

STREET: **WILLIAMS ROAD**
BETWEEN: **E ALISAL ST & E BORONDA RD**
SURVEY DATE: **01/07/21 (EXPIRES IN 2026)**

75



COMMENTS:

This segment of Williams Road is classified as a major arterial in the City of Salinas General Plan. The surrounding land use includes fronting residential homes, retail, and school use. Speed data collected January 7, 2021, 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, and 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 retained.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 10,520 Feet	ALL WAY STOP SIGNAL SPEED LIMIT SIGN CITY LIMITS CROSSWALK SCHOOL CROSSWALK	
Vertical Alignment	Flat		
Street Width	Varies (56 to 78 Feet)		
No. Lanes and Median	4-Lane Major Arterial		
Proposed Speed Zone	35 MPH		
85 th Percentile Speed	42 MPH		
Traffic Volume (Date)	11,125		
Accident Data (2 years)	84 Collisions (2018-2019)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	5.19 Acc. /MVM		



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Williams Rd	Direction:	EBD	Comments: <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 75</div>
Between:	E. Alisal St & Boronda Rd			
Survey Location:	Between Freedom Pkwy & Del Monte Ave			
Speed Limit:	35 MPH			
Date:	01/07/21	Day:	Thursday	
Hours: From:	1:13PM	To:	2:00PM	
Weather:	Sunny			
Observer(s):	Victor C. & Giovanni N.			

MPH	Frequency	Percent	Cumulative %	
27	0	0.00%	0.00%	
28	1	2.00%	2.00%	
29	2	4.00%	6.00%	
30	2	4.00%	10.00%	
31	4	8.00%	18.00%	
32	3	6.00%	24.00%	
33	3	6.00%	30.00%	
34	1	2.00%	32.00%	
35	2	4.00%	36.00%	
36	2	4.00%	40.00%	
37	6	12.00%	52.00%	
38	6	12.00%	64.00%	
39	4	8.00%	72.00%	
40	2	4.00%	76.00%	
41	1	2.00%	78.00%	
42	2	4.00%	82.00%	
43	2	4.00%	86.00%	
44	0	0.00%	86.00%	
45	2	4.00%	90.00%	
46	1	2.00%	92.00%	
47	1	2.00%	94.00%	
48	0	0.00%	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	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	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	0	0.00%	98.00%	
71	1	2.00%	100.00%	
Totals:	50	100.00%		

Data Analysis:

Time Mean Speed:	37.9	MPH
Sample Variance:	53.64	
Standard Deviation:	7.3	
Variance of the Mean:	1.0728	
Standard Error of the Mean:	1.0	
10 MPH Pace:	30	To: 39 MPH
Percent in Pace:	66.0%	
Vehicles in Pace:	33	
50th Percentile Speed:	37	MPH
85th Percentile Speed:	43	MPH
90th Percentile Speed:	45	MPH
95th Percentile Speed:	49	MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Williams Rd	Direction:	WBD	Comments:
Between:	E. Alisal St & Boronda Rd	No. 75		
Survey Location:	Between Freedom Pkwy & Del Monte Ave			
Speed Limit:	35 MPH			
Date:	01/07/21			
Hours:	From: 1:13PM	To:	2:00PM	
Weather:	Sunny			
Observer(s):	Victor C. & Giovanni N.			

MPH	Frequency	Percent	Cumulative %	
27	0	0.00%	0.00%	
28	0	0.00%	0.00%	
29	0	0.00%	0.00%	
30	1	2.00%	2.00%	
31	0	0.00%	2.00%	
32	2	4.00%	6.00%	
33	3	6.00%	12.00%	
34	1	2.00%	14.00%	
35	6	12.00%	26.00%	
36	3	6.00%	32.00%	
37	8	16.00%	48.00%	
38	3	6.00%	54.00%	
39	5	10.00%	64.00%	
40	7	14.00%	78.00%	
41	2	4.00%	82.00%	
42	3	6.00%	88.00%	
43	1	2.00%	90.00%	
44	2	4.00%	94.00%	
45	0	0.00%	94.00%	
46	2	4.00%	98.00%	
47	0	0.00%	98.00%	
48	0	0.00%	98.00%	
49	0	0.00%	98.00%	
50	1	2.00%	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%	
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%	
Totals:	50	100.00%		

Data Analysis:

Time Mean Speed:	38.2	MPH
Sample Variance:	15.64	
Standard Deviation:	4.0	
Variance of the Mean:	0.3128	
Standard Error of the Mean:	0.6	
10 MPH Pace:	33	To: 42 MPH
Percent in Pace:	82.0%	
Vehicles in Pace:	41	
50th Percentile Speed:	38	MPH
85th Percentile Speed:	42	MPH
90th Percentile Speed:	43	MPH
95th Percentile Speed:	46	MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Williams Rd	Direction:	EBD/WBD	Comments:
Between:	E. Alisal St & Boronda Rd	No. 75		
Survey Location:	Between Freedom Pkwy & Del Monte Ave			
Speed Limit:	35 MPH			
Date:	01/07/21			
Hours:	From: 1:13PM	To:	2:00PM	
Weather:	Sunny			
Observer(s):	Victor C. & Giovanni N.			

MPH	Frequency	Percent	Cumulative %	<i>Data Analysis:</i>	
27	0	0.00%	0.00%		
28	1	1.00%	1.00%	Time Mean Speed:	38.1 MPH
29	2	2.00%	3.00%	Sample Variance:	34.32
30	3	3.00%	6.00%	Standard Deviation:	5.9
31	4	4.00%	10.00%	Variance of the Mean:	0.3432
32	5	5.00%	15.00%	Standard Error of the Mean:	0.6
33	6	6.00%	21.00%	10 MPH Pace:	31 To: 40 MPH
34	2	2.00%	23.00%	Percent in Pace:	71.0%
35	8	8.00%	31.00%	Vehicles in Pace:	71
36	5	5.00%	36.00%	50th Percentile Speed:	37 MPH
37	14	14.00%	50.00%	85th Percentile Speed:	42 MPH
38	9	9.00%	59.00%	90th Percentile Speed:	44 MPH
39	9	9.00%	68.00%	95th Percentile Speed:	46 MPH
40	9	9.00%	77.00%	<i>Cumulative Frequency Distribution</i>	
41	3	3.00%	80.00%		
42	5	5.00%	85.00%	<i>Frequency Distribution</i>	
43	3	3.00%	88.00%		
44	2	2.00%	90.00%		
45	2	2.00%	92.00%	<i>Frequency Distribution</i>	
46	3	3.00%	95.00%		
47	1	1.00%	96.00%		
48	0	0.00%	96.00%	<i>Frequency Distribution</i>	
49	1	1.00%	97.00%		
50	1	1.00%	98.00%		
51	0	0.00%	98.00%	<i>Frequency Distribution</i>	
52	0	0.00%	98.00%		
53	0	0.00%	98.00%		
54	1	1.00%	99.00%	<i>Frequency Distribution</i>	
55	0	0.00%	99.00%		
56	0	0.00%	99.00%		
57	0	0.00%	99.00%	<i>Frequency Distribution</i>	
58	0	0.00%	99.00%		
59	0	0.00%	99.00%		
60	0	0.00%	99.00%	<i>Frequency Distribution</i>	
61	0	0.00%	99.00%		
62	0	0.00%	99.00%		
63	0	0.00%	99.00%	<i>Frequency Distribution</i>	
64	0	0.00%	99.00%		
65	0	0.00%	99.00%		
66	0	0.00%	99.00%	<i>Frequency Distribution</i>	
67	0	0.00%	99.00%		
68	0	0.00%	99.00%		
69	0	0.00%	99.00%	<i>Frequency Distribution</i>	
70	0	0.00%	99.00%		
71	1	1.00%	100.00%		
Totals:	100	100.00%			

SITE CODE

75

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

LOCATION Williams Rd btwn Bonada & E. AlisalDATE 1/7/21 DAY ThursdayTIME 1:13 TO 2:00OBSERVER Giovanni CALCULATED BY Victor WEATHER Sunny

Direction: EB																				
MPH	Number of Vehicles																			
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Direction:		WB															
MPH	Number of Vehicles																
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**CITY OF SALINAS
TRANSPORTATION & ENGINEERING
TRAFFIC SURVEY**

STREET: **POST DRIVE**
BETWEEN: **N DAVIS RD & CALLE DEL ADOBE**
SURVEY DATE: **06/25/2021 (EXPIRES 2026)**

108



COMMENTS:

This segment of Post Drive is classified as a major arterial in the City of Salinas General Plan. The surrounding land use includes retail use. Speed data collected June 25, 2021, revealed the 85th percentile speed of 34 mph. The 10 mph pace ranges from 24 mph to 33 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, and 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 increased to 30 mph.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 1,100 Feet	ALL WAY STOP SIGNAL SPEED LIMIT SIGN CITY LIMITS CROSSWALK SCHOOL CROSSWALK	
Vertical Alignment	Flat		
Street Width	56 Feet		
No. Lanes and Median	4-Lane Major Arterial		
Proposed Speed Zone	30 MPH		
85 th Percentile Speed	34 MPH		
Traffic Volume (Date)	4,803		
Accident Data (2 years)	2 Collisions (2018-2019)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	2.73 Acc./MVM		



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Post Drive	Direction: <u>WBD</u>	Comments: <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 108</div>
Between:	N. David Rd and Calle Del Adobe		
Survey Location:	N. David Rd and Calle Del Adobe		
Speed Limit:	25 MPH		
Date:	06/25/21	Day: Friday	
Hours: From:	01:38	To: 02:08	
Weather:	Sunny		
Observer(s):	Giovanni N. and Victor 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	0	0.00%	0.00%	
25	1	2.00%	2.00%	
26	4	8.00%	10.00%	
27	2	4.00%	14.00%	
28	2	4.00%	18.00%	
29	4	8.00%	26.00%	
30	9	18.00%	44.00%	
31	4	8.00%	52.00%	
32	6	12.00%	64.00%	
33	4	8.00%	72.00%	
34	4	8.00%	80.00%	
35	1	2.00%	82.00%	
36	3	6.00%	88.00%	
37	0	0.00%	88.00%	
38	3	6.00%	94.00%	
39	1	2.00%	96.00%	
40	0	0.00%	96.00%	
41	0	0.00%	96.00%	
42	0	0.00%	96.00%	
43	0	0.00%	96.00%	
44	0	0.00%	96.00%	
45	2	4.00%	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:	31.9	MPH
Sample Variance:	18.83	
Standard Deviation:	4.3	
Variance of the Mean:	0.3766	
Standard Error of the Mean:	0.6	
10 MPH Pace:	25	To: 34 MPH
Percent in Pace:	80.0%	
Vehicles in Pace:	40	
50th Percentile Speed:	31	MPH
85th Percentile Speed:	36	MPH
90th Percentile Speed:	38	MPH
95th Percentile Speed:	39	MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Post Drive	Direction:	EBD	Comments:
Between:	N. David Rd and Calle Del Adobe			No. 108
Survey Location:	N. David Rd and Calle Del Adobe			
Speed Limit:	25 MPH			
Date:	06/25/21	Day:	Friday	
Hours: From:	138	To:	208	
Weather:	Sunny			
Observer(s):	Giovanni N. and Victor 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	1	2.00%	2.00%	
20	0	0.00%	2.00%	
21	0	0.00%	2.00%	
22	4	8.00%	10.00%	
23	4	8.00%	18.00%	
24	4	8.00%	26.00%	
25	3	6.00%	32.00%	
26	3	6.00%	38.00%	
27	2	4.00%	42.00%	
28	5	10.00%	52.00%	
29	3	6.00%	58.00%	
30	4	8.00%	66.00%	
31	1	2.00%	68.00%	
32	7	14.00%	82.00%	
33	6	12.00%	94.00%	
34	0	0.00%	94.00%	
35	1	2.00%	96.00%	
36	1	2.00%	98.00%	
37	0	0.00%	98.00%	
38	0	0.00%	98.00%	
39	0	0.00%	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%		

Data Analysis:

Time Mean Speed:	28.3	MPH
Sample Variance:	19.87	
Standard Deviation:	4.5	
Variance of the Mean:	0.3974	
Standard Error of the Mean:	0.6	
10 MPH Pace:	24	To: 33 MPH
Percent in Pace:	76.0%	
Vehicles in Pace:	38	
50th Percentile Speed:	28	MPH
85th Percentile Speed:	33	MPH
90th Percentile Speed:	33	MPH
95th Percentile Speed:	35	MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Post Drive	Direction:	WBD/EBD	Comments:
Between:	N. David Rd and Calle Del Adobe			No. 108
Survey Location:	N. David Rd and Calle Del Adobe			
Speed Limit:	25 MPH			
Date:	06/25/21	Day:	Friday	
Hours: From:	138	To:	208	
Weather:	Sunny			
Observer(s):	Giovanni N. and Victor 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	1	1.00%	1.00%	
20	0	0.00%	1.00%	
21	0	0.00%	1.00%	
22	4	4.00%	5.00%	
23	4	4.00%	9.00%	
24	4	4.00%	13.00%	
25	4	4.00%	17.00%	
26	7	7.00%	24.00%	
27	4	4.00%	28.00%	
28	7	7.00%	35.00%	
29	7	7.00%	42.00%	
30	13	13.00%	55.00%	
31	5	5.00%	60.00%	
32	13	13.00%	73.00%	
33	10	10.00%	83.00%	
34	4	4.00%	87.00%	
35	2	2.00%	89.00%	
36	4	4.00%	93.00%	
37	0	0.00%	93.00%	
38	3	3.00%	96.00%	
39	1	1.00%	97.00%	
40	1	1.00%	98.00%	
41	0	0.00%	98.00%	
42	0	0.00%	98.00%	
43	0	0.00%	98.00%	
44	0	0.00%	98.00%	
45	2	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%	
Totals:	100	100.00%		

Data Analysis:

Time Mean Speed:	30.1	MPH
Sample Variance:	22.50	
Standard Deviation:	4.7	
Variance of the Mean:	0.2250	
Standard Error of the Mean:	0.5	
10 MPH Pace:	24	To: 33 MPH
Percent in Pace:	74.0%	
Vehicles in Pace:	74	
50th Percentile Speed:	30	MPH
85th Percentile Speed:	34	MPH
90th Percentile Speed:	36	MPH
95th Percentile Speed:	38	MPH

Cumulative Frequency Distribution

Frequency Distribution

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE

109

LOCATION Post Dr

DATE 6/25/21 DAY Friday

TIME 1:38 TO 2:00

OBSERVER Chio

CALCULATED BY Victor

WEATHER Sunny

Direction: <u>EB</u>				
MPH	Number of Vehicles			
	5	10	15	20
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Direction: <u>WB</u>				
MPH	Number of Vehicles			
	5	10	15	20
70				
69				
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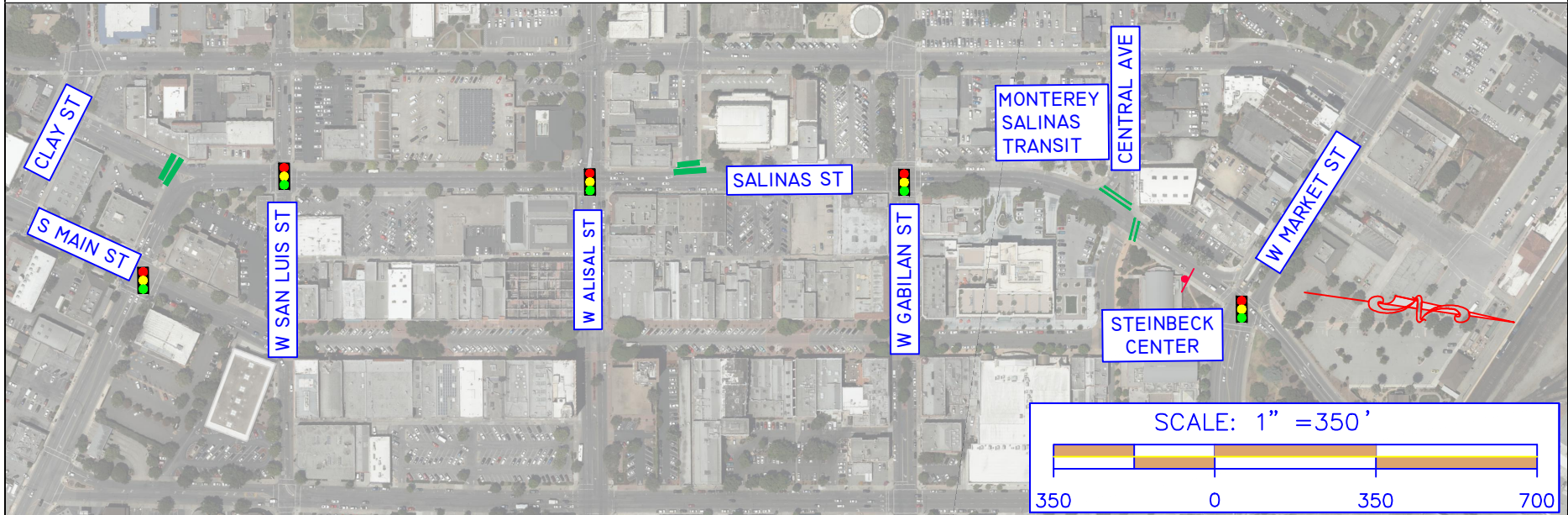
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**CITY OF SALINAS
TRANSPORTATION & ENGINEERING
TRAFFIC SURVEY**

STREET: **SALINAS STEET**
BETWEEN: **W MARKET ST & CLAY ST**
SURVEY DATE: **04/29/21 (EXPIRES IN 2026)**

114



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. More than 50% of the property contiguous to one side of the Salinas St if occupied by businesses, which meets the definition of a business district as defined in section 235 of the CVC. CVC Section 22352 sets the prima facie speed limit at 25 mph without posted signs. Speed data was collected April 29, 2021, revealed the 85th percentile speed of 30 mph. The 10 mph pace ranges from 22 mph to 31 mph and suggests the 85th percentile is within this range. Based on the surrounding land use, and the 10 mph pace range, and the prevailing speeds reduced by 5 mph per MUTCD option 1 in compliance with CVC Sections 627 and 22358.5, the existing posted speed limit of 25 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 2,700 Feet		
Vertical Alignment	Flat		
Street Width	42 Feet		
No. Lanes and Median	3-Lane Major Arterial		
Proposed Speed Zone	25 MPH		
85th Percentile Speed	30 MPH		
Traffic Volume (Date)	12,704		
Accident Data (2 years)	17 Collisions (2018-2019)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	3.63 Acc./MVM	<p> ALL WAY STOP</p> <p> SIGNAL</p> <p> SPEED LIMIT SIGN</p> <p> CITY LIMITS</p> <p> CROSSWALK</p> <p> SCHOOL CROSSWALK</p> <p> CROSSING GUARD</p>	



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	<u>Salinas Street</u>	Direction:	<u>SBD</u>	Comments: <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 114</div>
Between:	<u>E Gabilan St & E Alisal St</u>			
Survey Location:				
Speed Limit:	<u>25</u> MPH			
Date:	<u>04/29/21</u>	Day:	<u>Thursday</u>	
Hours: From:	<u>02:51</u>	To:	<u>03:08</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Victor C. & Giovanni N.</u>			

MPH	Frequency	Percent	Cumulative %	
3	0	0.00%	0.00%	
4	0	0.00%	0.00%	
5	0	0.00%	0.00%	
6	0	0.00%	0.00%	
7	0	0.00%	0.00%	
8	0	0.00%	0.00%	
9	0	0.00%	0.00%	
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	2	4.00%	6.00%	
21	2	4.00%	10.00%	
22	2	4.00%	14.00%	
23	5	10.00%	24.00%	
24	2	4.00%	28.00%	
25	5	10.00%	38.00%	
26	3	6.00%	44.00%	
27	10	20.00%	64.00%	
28	3	6.00%	70.00%	
29	3	6.00%	76.00%	
30	5	10.00%	86.00%	
31	4	8.00%	94.00%	
32	0	0.00%	94.00%	
33	1	2.00%	96.00%	
34	1	2.00%	98.00%	
35	0	0.00%	98.00%	
36	0	0.00%	98.00%	
37	0	0.00%	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%	
Totals:	50	100.00%		

Data Analysis:

Time Mean Speed:	26.6	MPH
Sample Variance:	15.18	
Standard Deviation:	3.9	
Variance of the Mean:	0.3036	
Standard Error of the Mean:	0.6	
10 MPH Pace:	22	To: 31 MPH
Percent in Pace:	84.0%	
Vehicles in Pace:	42	
50th Percentile Speed:	27	MPH
85th Percentile Speed:	30	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:	<u>Salinas Street</u>	Direction:	<u>NBD</u>	Comments: <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 114</div>
Between:	<u>E Gabilan St & E Alisal St</u>			
Survey Location:				
Speed Limit:	<u>25</u> MPH			
Date:	<u>04/29/21</u>	Day:	<u>Thursday</u>	
Hours: From:	<u>251</u>	To:	<u>308</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Victor C. & Giovanni N.</u>			

MPH	Frequency	Percent	Cumulative %	
3	0	#DIV/0!	#DIV/0!	Data Analysis: Time Mean Speed: <u>#DIV/0!</u> MPH Sample Variance: <u>#DIV/0!</u> Standard Deviation: <u>#DIV/0!</u> Variance of the Mean: <u>#DIV/0!</u> Standard Error of the Mean: <u>#DIV/0!</u> 10 MPH Pace: <u>#DIV/0!</u> To: <u>#DIV/0!</u> MPH Percent in Pace: <u>#DIV/0!</u> Vehicles in Pace: <u>#DIV/0!</u> 50th Percentile Speed: <u>#N/A</u> MPH 85th Percentile Speed: <u>#N/A</u> MPH 90th Percentile Speed: <u>#N/A</u> MPH 95th Percentile Speed: <u>#N/A</u> MPH
4	0	#DIV/0!	#DIV/0!	
5	0	#DIV/0!	#DIV/0!	
6	0	#DIV/0!	#DIV/0!	
7	0	#DIV/0!	#DIV/0!	
8	0	#DIV/0!	#DIV/0!	
9	0	#DIV/0!	#DIV/0!	
10	0	#DIV/0!	#DIV/0!	
11	0	#DIV/0!	#DIV/0!	
12	0	#DIV/0!	#DIV/0!	
13	0	#DIV/0!	#DIV/0!	
14	0	#DIV/0!	#DIV/0!	
15	0	#DIV/0!	#DIV/0!	
16	0	#DIV/0!	#DIV/0!	
17	0	#DIV/0!	#DIV/0!	
18	0	#DIV/0!	#DIV/0!	
19	0	#DIV/0!	#DIV/0!	
20	0	#DIV/0!	#DIV/0!	
21	0	#DIV/0!	#DIV/0!	
22	0	#DIV/0!	#DIV/0!	
23	0	#DIV/0!	#DIV/0!	
24	0	#DIV/0!	#DIV/0!	
25	0	#DIV/0!	#DIV/0!	
26	0	#DIV/0!	#DIV/0!	
27	0	#DIV/0!	#DIV/0!	
28	0	#DIV/0!	#DIV/0!	
29	0	#DIV/0!	#DIV/0!	
30	0	#DIV/0!	#DIV/0!	
31	0	#DIV/0!	#DIV/0!	
32	0	#DIV/0!	#DIV/0!	
33	0	#DIV/0!	#DIV/0!	
34	0	#DIV/0!	#DIV/0!	
35	0	#DIV/0!	#DIV/0!	
36	0	#DIV/0!	#DIV/0!	
37	0	#DIV/0!	#DIV/0!	
38	0	#DIV/0!	#DIV/0!	
39	0	#DIV/0!	#DIV/0!	
40	0	#DIV/0!	#DIV/0!	
41	0	#DIV/0!	#DIV/0!	
42	0	#DIV/0!	#DIV/0!	
43	0	#DIV/0!	#DIV/0!	
44	0	#DIV/0!	#DIV/0!	
45	0	#DIV/0!	#DIV/0!	
46	0	#DIV/0!	#DIV/0!	
47	0	#DIV/0!	#DIV/0!	
Totals:	0	#DIV/0!		

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

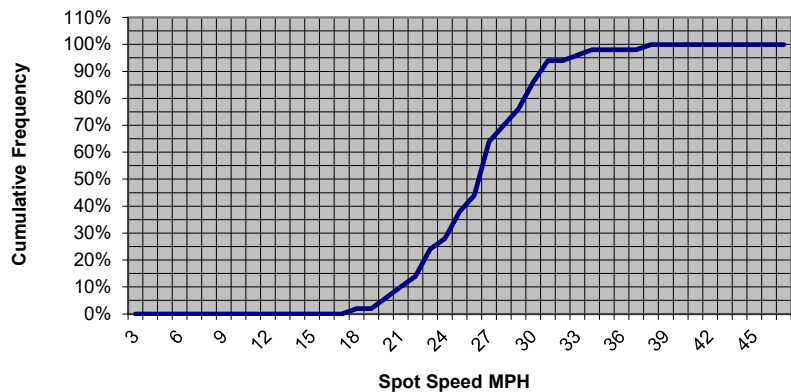
DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

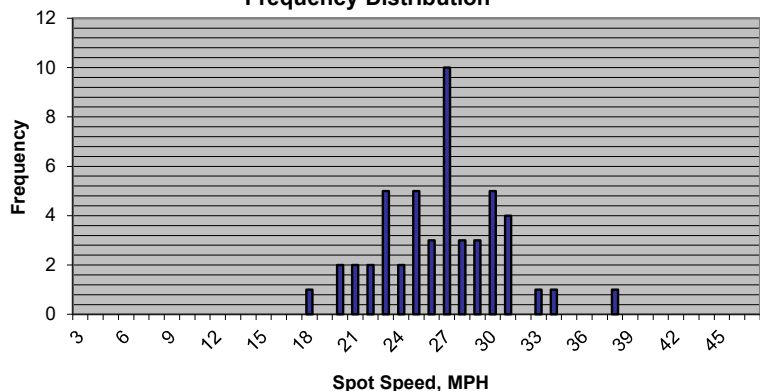
Street:	<u>Salinas Street</u>	Direction:	<u>SBD/NBD</u>	Comments:		
Between:	<u>E Gabilan St & E Alisal St</u>	No. 114				
Survey Location:						
Speed Limit:	<u>25</u> MPH					
Date:	<u>04/29/21</u>				Day:	<u>Thursday</u>
Hours: From:	<u>251</u>				To:	<u>308</u>
Weather:	<u>Sunny</u>					
Observer(s):	<u>Victor C. & Giovanni N.</u>					

MPH	Frequency	Percent	Cumulative %	
3	0	0.00%	0.00%	Data Analysis:
4	0	0.00%	0.00%	
5	0	0.00%	0.00%	
6	0	0.00%	0.00%	
7	0	0.00%	0.00%	
8	0	0.00%	0.00%	
9	0	0.00%	0.00%	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	Time Mean Speed: <u>26.6</u> MPH
14	0	0.00%	0.00%	Sample Variance: <u>15.18</u>
15	0	0.00%	0.00%	Standard Deviation: <u>3.9</u>
16	0	0.00%	0.00%	Variance of the Mean: <u>0.3036</u>
17	0	0.00%	0.00%	Standard Error of the Mean: <u>0.6</u>
18	0	0.00%	0.00%	10 MPH Pace: <u>22</u> To: <u>31</u> MPH
19	0	0.00%	0.00%	Percent in Pace: <u>84.0%</u>
20	2	4.00%	6.00%	Vehicles in Pace: <u>42</u>
21	2	4.00%	10.00%	50th Percentile Speed: <u>27</u> MPH
22	2	4.00%	14.00%	85th Percentile Speed: <u>30</u> MPH
23	5	10.00%	24.00%	90th Percentile Speed: <u>31</u> MPH
24	2	4.00%	28.00%	95th Percentile Speed: <u>33</u> MPH
25	5	10.00%	38.00%	
26	3	6.00%	44.00%	
27	10	20.00%	64.00%	
28	3	6.00%	70.00%	
29	3	6.00%	76.00%	
30	5	10.00%	86.00%	
31	4	8.00%	94.00%	
32	0	0.00%	94.00%	
33	1	2.00%	96.00%	
34	1	2.00%	98.00%	
35	0	0.00%	98.00%	
36	0	0.00%	98.00%	
37	0	0.00%	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%	
Totals:	50	100.00%		

Cumulative Frequency Distribution



Frequency Distribution



SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE

115

LOCATION Salinas St between W. Market & John St

DATE 4/29 DAY Thursday

TIME 2:51 TO 3:08

OBSERVER Giovanni N.

CALCULATED BY Victor C.

WEATHER Sunny

Direction:

MPH	Number of Vehicles			
	5	10	15	20
70				
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68				
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61				
60				
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Direction:

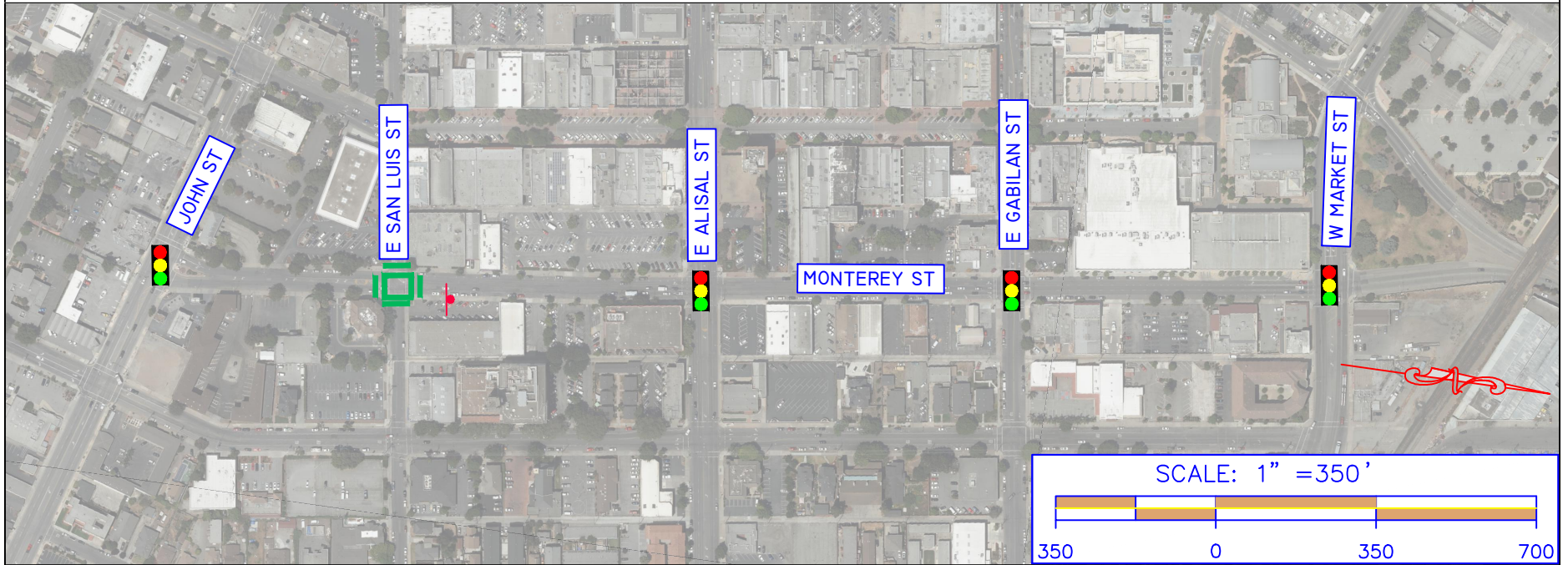
MPH	Number of Vehicles			
	5	10	15	20
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**CITY OF SALINAS
TRANSPORTATION & ENGINEERING
TRAFFIC SURVEY**

STREET: **MONTEREY STREET**
BETWEEN: **W MARKET ST & JOHN ST**
SURVEY DATE: **08/11/21 (EXPIRES IN 2026)**

115



COMMENTS:

This segment of Monterey Street is classified as a major arterial in the City of Salinas General Plan. The surrounding land use includes mix use. More than 50% of the property contiguous to one side of the Salinas St if occupied by businesses, which meets the definition of a business district as defined in section 235 of the CVC. CVC Section 22352 sets the prima facie speed limit at 25 mph without posted signs. Speed data was collected August 11, 2021, revealed the 85th percentile speed of 28 mph. The 10 mph pace ranges from 16 mph to 25 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, and 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 2,600 Feet		
Vertical Alignment	Flat		
Street Width	47 Feet		
No. Lanes and Median	3-Lane Major Arterial		
Proposed Speed Zone	25 MPH		
85th Percentile Speed	28 MPH		
Traffic Volume (Date)	11,573		
Accident Data (2 years)	16 Collisions (2018-2019)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	3.90 Acc./MVM		
		ALL WAY STOP SIGNAL SPEED LIMIT SIGN CITY LIMITS CROSSWALK SCHOOL CROSSWALK CROSSING GUARD	



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	<u>Monterey St</u>	Direction:	<u>NBD</u>	Comments: <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 115</div>
Between:	<u>Market and John St</u>			
Survey Location:	<u>Alisal St and San Luis St</u>			
Speed Limit:	<u>25</u> MPH			
Date:	<u>08/11/21</u>	Day:	<u>Wednesday</u>	
Hours: From:	<u>11:13AM</u>	To:	<u>11:30AM</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Victor C. and Giovanni N.</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	1	2.00%	2.00%	
20	5	10.00%	12.00%	
21	3	6.00%	18.00%	
22	8	16.00%	34.00%	
23	1	2.00%	36.00%	
24	5	10.00%	46.00%	
25	6	12.00%	58.00%	
26	2	4.00%	62.00%	
27	5	10.00%	72.00%	
28	2	4.00%	76.00%	
29	4	8.00%	84.00%	
30	6	12.00%	96.00%	
31	0	0.00%	96.00%	
32	0	0.00%	96.00%	
33	0	0.00%	96.00%	
34	0	0.00%	96.00%	
35	1	2.00%	98.00%	
36	0	0.00%	98.00%	
37	0	0.00%	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:	25.3	MPH
Sample Variance:	16.52	
Standard Deviation:	4.1	
Variance of the Mean:	0.3304	
Standard Error of the Mean:	0.6	
10 MPH Pace:	21	To: 30 MPH
Percent in Pace:	84.0%	
Vehicles in Pace:	42	
50th Percentile Speed:	25	MPH
85th Percentile Speed:	30	MPH
90th Percentile Speed:	30	MPH
95th Percentile Speed:	30	MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	<u>Monterey St</u>	Direction:	<u>SBD</u>	Comments: <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 115</div>
Between:	<u>Market and John St</u>			
Survey Location:	<u>Alisal St and San Luis St</u>			
Speed Limit:	<u>25</u> MPH			
Date:	<u>08/11/21</u>	Day:	<u>Wednesday</u>	
Hours: From:	<u>11:13AM</u>	To:	<u>11:30AM</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Victor C. and Giovanni N.</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	2	4.00%	4.00%	
15	4	8.00%	12.00%	
16	9	18.00%	30.00%	
17	8	16.00%	46.00%	
18	4	8.00%	54.00%	
19	5	10.00%	64.00%	
20	3	6.00%	70.00%	
21	3	6.00%	76.00%	
22	4	8.00%	84.00%	
23	3	6.00%	90.00%	
24	1	2.00%	92.00%	
25	1	2.00%	94.00%	
26	0	0.00%	94.00%	
27	1	2.00%	96.00%	
28	2	4.00%	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:	18.9	MPH
Sample Variance:	12.59	
Standard Deviation:	3.5	
Variance of the Mean:	0.2518	
Standard Error of the Mean:	0.5	
10 MPH Pace:	14	To: 23 MPH
Percent in Pace:	90.0%	
Vehicles in Pace:	45	
50th Percentile Speed:	18	MPH
85th Percentile Speed:	23	MPH
90th Percentile Speed:	23	MPH
95th Percentile Speed:	27	MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	<u>Monterey St</u>	Direction:	<u>NBD/SBD</u>	Comments: <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 115</div>
Between:	<u>Market and John St</u>			
Survey Location:	<u>Alisal St and San Luis St</u>			
Speed Limit:	<u>25</u> MPH			
Date:	<u>08/11/21</u>	Day:	<u>Wednesday</u>	
Hours: From:	<u>11:13AM</u>	To:	<u>11:30AM</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Victor C. and Giovanni N.</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	2	2.00%	2.00%	
15	4	4.00%	6.00%	
16	9	9.00%	15.00%	
17	8	8.00%	23.00%	
18	4	4.00%	27.00%	
19	6	6.00%	33.00%	
20	8	8.00%	41.00%	
21	6	6.00%	47.00%	
22	12	12.00%	59.00%	
23	4	4.00%	63.00%	
24	6	6.00%	69.00%	
25	7	7.00%	76.00%	
26	2	2.00%	78.00%	
27	6	6.00%	84.00%	
28	4	4.00%	88.00%	
29	4	4.00%	92.00%	
30	6	6.00%	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	1	1.00%	99.00%	
36	0	0.00%	99.00%	
37	0	0.00%	99.00%	
38	1	1.00%	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:	22.1	MPH
Sample Variance:	24.49	
Standard Deviation:	4.9	
Variance of the Mean:	0.2449	
Standard Error of the Mean:	0.5	
10 MPH Pace:	16	To: 25 MPH
Percent in Pace:	70.0%	
Vehicles in Pace:	70	
50th Percentile Speed:	22	MPH
85th Percentile Speed:	28	MPH
90th Percentile Speed:	29	MPH
95th Percentile Speed:	30	MPH

Cumulative Frequency Distribution

Frequency Distribution

SITE CODE

115

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

LOCATION Monterey StDATE 8/11/21 DAY WednesdayTIME 11:13 TO 11:30OBSERVER Victor CCALCULATED BY Giovanni NWEATHER Sunny

Direction: <u>N/S</u>				
MPH	Number of Vehicles			
	5	10	15	20
70				
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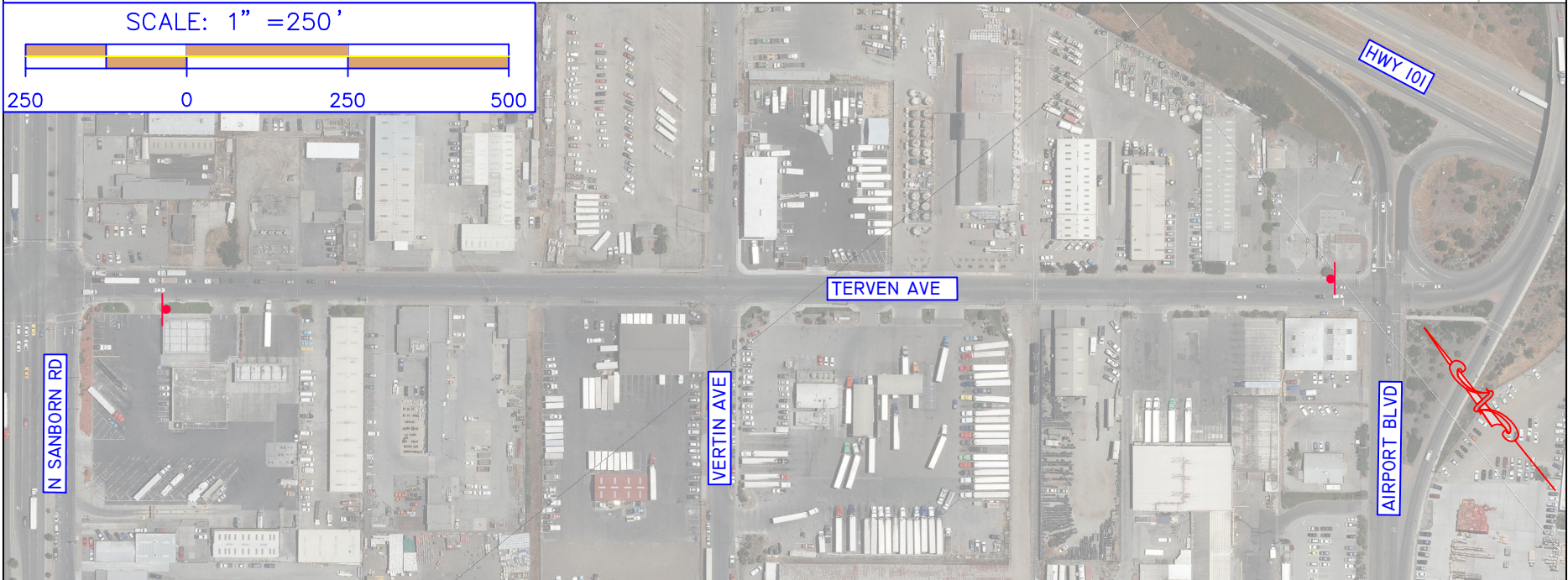
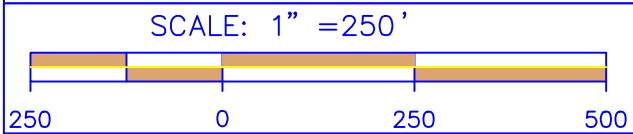
Direction: <u>N/S</u>				
MPH	Number of Vehicles			
	5	10	15	20
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**CITY OF SALINAS
TRANSPORTATION & ENGINEERING
TRAFFIC SURVEY**

STREET: **TERVEN AVENUE**
BETWEEN: **N SANBORN RD & AIRPORT BLVD**
SURVEY DATE: **08/11/21 (EXPIRES IN 2026)**

119



COMMENTS:

This segment of Terven Avenue is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes industrial use. Speed data collected August 11, 2021, revealed the 85th percentile speed of 31 mph. The 10 mph pace ranges from 22 mph to 31 mph and suggests the 85th percentile is within this range. Based on the surrounding land use, and 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 2,100 Feet	ALL WAY STOP SIGNAL SPEED LIMIT SIGN CITY LIMITS CROSSWALK SCHOOL CROSSWALK	
Vertical Alignment	Flat		
Street Width	42 Feet		
No. Lanes and Median	2-Lane Minor Arterial		
Proposed Speed Zone	25 MPH		
85 th Percentile Speed	31 MPH		
Traffic Volume (Date)	7,589		
Accident Data (2 years)	11 Collisions (2018-2019)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	5.08 Acc./MVM		



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	<u>Terven Ave</u>	Direction:	<u>SBD</u>	Comments: <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 119</div>
Between:	<u>Sanborn Rd and Airport Blvd</u>			
Survey Location:	<u>Vertin Ave and Airport Blvd</u>			
Speed Limit:	<u>25</u> MPH			
Date:	<u>08/11/21</u>	Day:	<u>Tuesday</u>	
Hours: From:	<u>12:46pm</u>	To:	<u>1:33pm</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Victor C. and Giovanni N.</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	2	4.00%	4.00%	
19	0	0.00%	4.00%	
20	4	8.00%	12.00%	
21	1	2.00%	14.00%	
22	2	4.00%	18.00%	
23	5	10.00%	28.00%	
24	6	12.00%	40.00%	
25	6	12.00%	52.00%	
26	2	4.00%	56.00%	
27	4	8.00%	64.00%	
28	4	8.00%	72.00%	
29	3	6.00%	78.00%	
30	3	6.00%	84.00%	
31	2	4.00%	88.00%	
32	0	0.00%	88.00%	
33	4	8.00%	96.00%	
34	0	0.00%	96.00%	
35	0	0.00%	96.00%	
36	1	2.00%	98.00%	
37	0	0.00%	98.00%	
38	0	0.00%	98.00%	
39	0	0.00%	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%		

Data Analysis:

Time Mean Speed:	26.2	MPH
Sample Variance:	21.21	
Standard Deviation:	4.6	
Variance of the Mean:	0.4242	
Standard Error of the Mean:	0.7	
10 MPH Pace:	20	To: 29 MPH
Percent in Pace:	74.0%	
Vehicles in Pace:	37	
50th Percentile Speed:	25	MPH
85th Percentile Speed:	31	MPH
90th Percentile Speed:	33	MPH
95th Percentile Speed:	33	MPH

Cumulative Frequency Distribution

Frequency Distribution



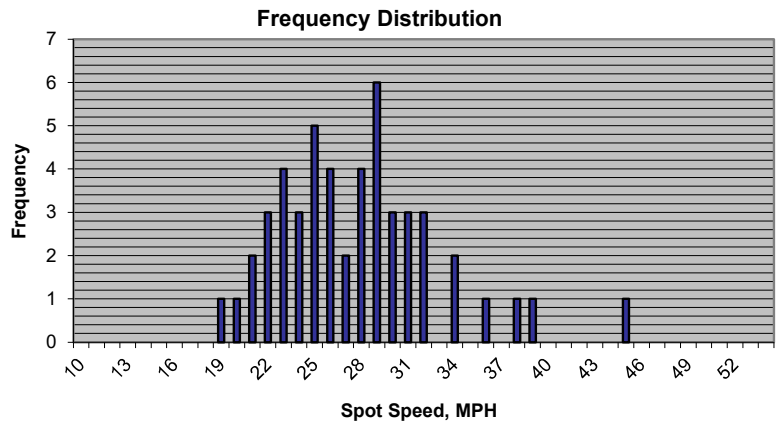
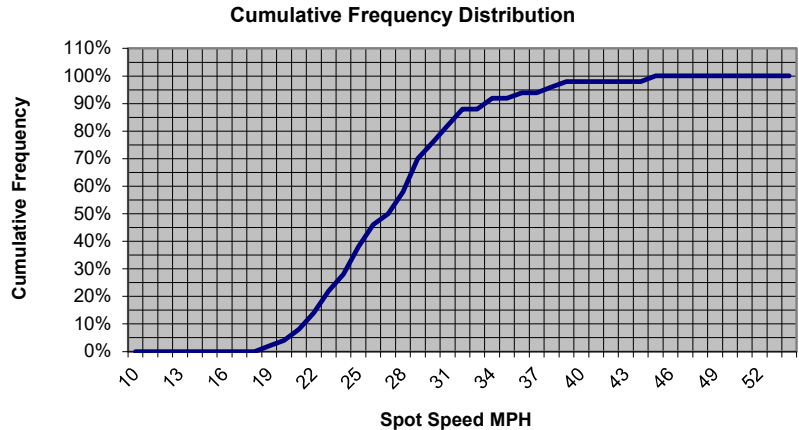
CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Terven Ave	Direction:	NBD	Comments: No. 119
Between:	Sanborn Rd and Airport Blvd			
Survey Location:	Vertin Ave and Airport Blvd			
Speed Limit:	25	MPH		
Date:	08/11/21	Day:	Tuesday	
Hours: From:	12:46pm	To:	1:33pm	
Weather:	Sunny			
Observer(s):	Victor C. and Giovanni N.			

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	1	2.00%	4.00%	Time Mean Speed: 27.7 MPH
21	2	4.00%	8.00%	Sample Variance: 26.46
22	3	6.00%	14.00%	Standard Deviation: 5.1
23	4	8.00%	22.00%	Variance of the Mean: 0.5292
24	3	6.00%	28.00%	Standard Error of the Mean: 0.7
25	5	10.00%	38.00%	10 MPH Pace: 22 To: 31 MPH
26	4	8.00%	46.00%	Percent in Pace: 74.0%
27	2	4.00%	50.00%	Vehicles in Pace: 37
28	4	8.00%	58.00%	50th Percentile Speed: 27 MPH
29	6	12.00%	70.00%	85th Percentile Speed: 32 MPH
30	3	6.00%	76.00%	90th Percentile Speed: 34 MPH
31	3	6.00%	82.00%	95th Percentile Speed: 38 MPH
32	3	6.00%	88.00%	
33	0	0.00%	88.00%	
34	2	4.00%	92.00%	
35	0	0.00%	92.00%	
36	1	2.00%	94.00%	
37	0	0.00%	94.00%	
38	1	2.00%	96.00%	
39	1	2.00%	98.00%	
40	0	0.00%	98.00%	
41	0	0.00%	98.00%	
42	0	0.00%	98.00%	
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%	
Totals:	50	100.00%		





CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Terven Ave	Direction:	SBD/NBD	Comments:
Between:	Sanborn Rd and Airport Blvd			No.49
Survey Location:	Vertin Ave and Airport Blvd			
Speed Limit:	25 MPH			
Date:	08/11/21	Day:	Tuesday	
Hours: From:	12:46pm	To:	1:33pm	
Weather:	Sunny			
Observer(s):	Victor C. and Giovanni N.			

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	2.00%	2.00%	
19	1	1.00%	3.00%	
20	5	5.00%	8.00%	
21	3	3.00%	11.00%	
22	5	5.00%	16.00%	
23	9	9.00%	25.00%	
24	9	9.00%	34.00%	
25	11	11.00%	45.00%	
26	6	6.00%	51.00%	
27	6	6.00%	57.00%	
28	8	8.00%	65.00%	
29	9	9.00%	74.00%	
30	6	6.00%	80.00%	
31	5	5.00%	85.00%	
32	3	3.00%	88.00%	
33	4	4.00%	92.00%	
34	2	2.00%	94.00%	
35	0	0.00%	94.00%	
36	2	2.00%	96.00%	
37	0	0.00%	96.00%	
38	1	1.00%	97.00%	
39	1	1.00%	98.00%	
40	1	1.00%	99.00%	
41	0	0.00%	99.00%	
42	0	0.00%	99.00%	
43	0	0.00%	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%	
Totals:	100	100.00%		

Data Analysis:

Time Mean Speed:	26.9	MPH
Sample Variance:	24.18	
Standard Deviation:	4.9	
Variance of the Mean:	0.2418	
Standard Error of the Mean:	0.5	
10 MPH Pace:	22	To: 31 MPH
Percent in Pace:	74.0%	
Vehicles in Pace:	74	
50th Percentile Speed:	26	MPH
85th Percentile Speed:	31	MPH
90th Percentile Speed:	33	MPH
95th Percentile Speed:	36	MPH

Cumulative Frequency Distribution

Frequency Distribution

CITY OF SALINAS

119

WEATHER Sunny

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**CITY OF SALINAS
TRANSPORTATION & ENGINEERING
TRAFFIC SURVEY**

STREET: **HANSEN STREET**
BETWEEN: **AIRPORT BLVD & HARKINS RD**
SURVEY DATE: **07/02/2021 (EXPIRES 2026)**

120



COMMENTS:

This segment of Hansen Street is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes industrial use. Speed data collected July 2, 2021, revealed the 85th percentile speed of 35 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, and the 10 mph pace range, and the prevailing speeds reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 25 mph should be increased to 30 mph.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 1,050 Feet	ALL WAY STOP SIGNAL SPEED LIMIT SIGN CITY LIMITS CROSSWALK SCHOOL CROSSWALK	
Vertical Alignment	Flat		
Street Width	62 Feet		
No. Lanes and Median	4-Lane Minor Arterial		
Proposed Speed Zone	30 MPH		
85 th Percentile Speed	35 MPH		
Traffic Volume (Date)	17,697		
Accident Data (2 years)	3 Collisions (2018-2019)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	1.17 Acc./MVM		



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	<u>Hansen St</u>	Direction:	<u>NBD</u>	Comments: No. 120
Between:	<u>Airport Blvd and Harkins Rd</u>			
Survey Location:	<u>Airport Blvd and Harkins Rd</u>			
Speed Limit:	<u>25</u> MPH			
Date:	<u>07/02/21</u>	Day:	<u>Friday</u>	
Hours: From:	<u>02:12</u>	To:	<u>03:00</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Victor C. and Giovanni N.</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	1	2.00%	2.00%	
23	2	4.00%	6.00%	
24	1	2.00%	8.00%	
25	5	10.00%	18.00%	
26	2	4.00%	22.00%	
27	7	14.00%	36.00%	
28	1	2.00%	38.00%	
29	3	6.00%	44.00%	
30	3	6.00%	50.00%	
31	4	8.00%	58.00%	
32	4	8.00%	66.00%	
33	3	6.00%	72.00%	
34	5	10.00%	82.00%	
35	5	10.00%	92.00%	
36	2	4.00%	96.00%	
37	0	0.00%	96.00%	
38	2	4.00%	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:	30.1	MPH
Sample Variance:	17.88	
Standard Deviation:	4.2	
Variance of the Mean:	0.3576	
Standard Error of the Mean:	0.6	
10 MPH Pace:	25	To: 34 MPH
Percent in Pace:	74.0%	
Vehicles in Pace:	37	
50th Percentile Speed:	30	MPH
85th Percentile Speed:	35	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:	<u>Hansen St</u>	Direction:	<u>SBD</u>	Comments: <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 120</div>
Between:	<u>Airport Blvd and Harkins Rd</u>			
Survey Location:	<u>Airport Blvd and Harkins Rd</u>			
Speed Limit:	<u>25</u> MPH			
Date:	<u>07/02/21</u>	Day:	<u>Friday</u>	
Hours: From:	<u>212</u>	To:	<u>300</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Victor C. and Giovanni N.</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	3	6.00%	6.00%	
18	0	0.00%	6.00%	
19	0	0.00%	6.00%	
20	1	2.00%	8.00%	
21	2	4.00%	12.00%	
22	1	2.00%	14.00%	
23	1	2.00%	16.00%	
24	3	6.00%	22.00%	
25	5	10.00%	32.00%	
26	1	2.00%	34.00%	
27	2	4.00%	38.00%	
28	4	8.00%	46.00%	
29	3	6.00%	52.00%	
30	0	0.00%	52.00%	
31	2	4.00%	56.00%	
32	3	6.00%	62.00%	
33	3	6.00%	68.00%	
34	2	4.00%	72.00%	
35	6	12.00%	84.00%	
36	2	4.00%	88.00%	
37	1	2.00%	90.00%	
38	1	2.00%	92.00%	
39	0	0.00%	92.00%	
40	1	2.00%	94.00%	
41	1	2.00%	96.00%	
42	1	2.00%	98.00%	
43	0	0.00%	98.00%	
44	0	0.00%	98.00%	
45	0	0.00%	98.00%	
46	0	0.00%	98.00%	
47	0	0.00%	98.00%	
48	0	0.00%	98.00%	
49	0	0.00%	98.00%	
50	1	2.00%	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:	47.73	
Standard Deviation:	6.9	
Variance of the Mean:	0.9546	
Standard Error of the Mean:	1.0	
10 MPH Pace:	27	To: 36 MPH
Percent in Pace:	54.0%	
Vehicles in Pace:	27	
50th Percentile Speed:	29	MPH
85th Percentile Speed:	36	MPH
90th Percentile Speed:	37	MPH
95th Percentile Speed:	41	MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Hansen St	Direction:	NBD/SBD	Comments:
Between:	Airport Blvd and Harkins Rd	No. 120		
Survey Location:	Airport Blvd and Harkins Rd			
Speed Limit:	25 MPH			
Date:	07/02/21			
Hours:	From: 212	To:	300	
Weather:	Sunny			
Observer(s):	Victor C. and Giovanni N.			

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	3	3.00%	3.00%	
18	0	0.00%	3.00%	
19	0	0.00%	3.00%	
20	1	1.00%	4.00%	
21	2	2.00%	6.00%	
22	2	2.00%	8.00%	
23	3	3.00%	11.00%	
24	4	4.00%	15.00%	
25	10	10.00%	25.00%	
26	3	3.00%	28.00%	
27	9	9.00%	37.00%	
28	5	5.00%	42.00%	
29	6	6.00%	48.00%	
30	3	3.00%	51.00%	
31	6	6.00%	57.00%	
32	7	7.00%	64.00%	
33	6	6.00%	70.00%	
34	7	7.00%	77.00%	
35	11	11.00%	88.00%	
36	4	4.00%	92.00%	
37	1	1.00%	93.00%	
38	3	3.00%	96.00%	
39	0	0.00%	96.00%	
40	1	1.00%	97.00%	
41	1	1.00%	98.00%	
42	1	1.00%	99.00%	
43	0	0.00%	99.00%	
44	0	0.00%	99.00%	
45	0	0.00%	99.00%	
46	0	0.00%	99.00%	
47	0	0.00%	99.00%	
48	0	0.00%	99.00%	
49	0	0.00%	99.00%	
50	1	1.00%	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:	30.0	MPH
Sample Variance:	32.50	
Standard Deviation:	5.7	
Variance of the Mean:	0.3250	
Standard Error of the Mean:	0.6	
10 MPH Pace:	27	To: 36 MPH
Percent in Pace:	64.0%	
Vehicles in Pace:	64	
50th Percentile Speed:	30	MPH
85th Percentile Speed:	35	MPH
90th Percentile Speed:	36	MPH
95th Percentile Speed:	38	MPH

Cumulative Frequency Distribution

Frequency Distribution

3rd
Attempt

SITE CODE

120

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

126

LOCATION

Hansen St btwn Airport Blvd + Harkins Rd

DATE

7/2/21

DAY

Friday

TIME

2:12

TO 3:00

OBSERVER

Gno

CALCULATED BY

Victor C

WEATHER Sunny

Direction:

MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
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Direction:

MPH	Number of Vehicles			
	5	10	15	20
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**CITY OF SALINAS
TRANSPORTATION & ENGINEERING
TRAFFIC SURVEY**

STREET: **JOHN STREET**
BETWEEN: **WOOD ST & E ALISAL ST**
SURVEY DATE: **08/10/21 (EXPIRES IN 2026)**

122



COMMENTS:

This segment of John Street is classified as a major arterial in the City of Salinas General Plan. The surrounding land use includes fronting residential homes, park, and school use. Speed data was collected August 10, 2021, revealed the 85th percentile speed of 38 mph. The 10 mph pace ranges from 27 mph to 36 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, and 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 35 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 5,900 Feet	ALL WAY STOP SIGNAL SPEED LIMIT SIGN CITY LIMITS CROSSWALK SCHOOL CROSSWALK CROSSING GUARD	
Vertical Alignment	Flat		
Street Width	Varies (60 to 84 Feet)		
No. Lanes and Median	2-Lane Major Arterial		
Proposed Speed Zone	35 MPH		
85th Percentile Speed	38 MPH		
Traffic Volume (Date)	15,843		
Accident Data (2 years)	31 Collisions (2018-2019)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	2.38 Acc./MVM		



CITY OF SALINAS

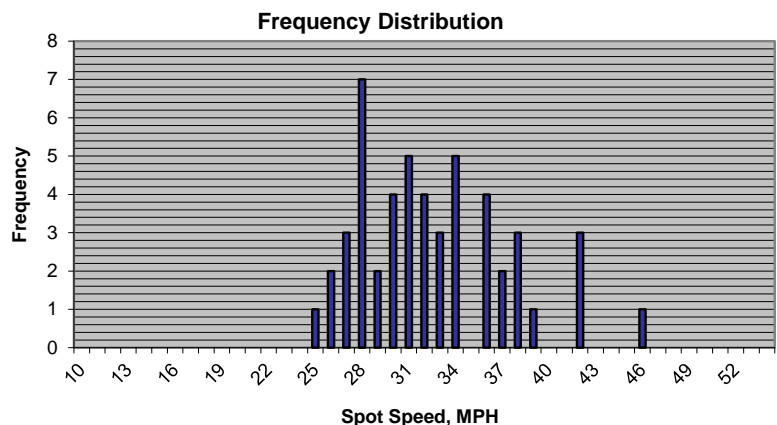
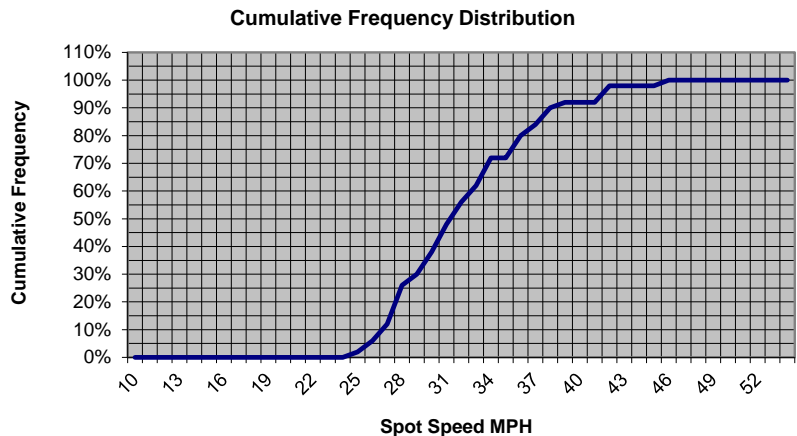
DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

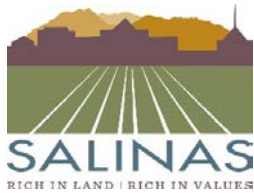
RADAR SURVEY

Street:	John St	Direction:	WBD		
Between:	Wood and E. Alisal	No. 122 Comments:			
Survey Location:	Tulip Cir and S. Filice St				
Speed Limit:	35 MPH				
Date:	08/10/21				
Hours:	From: 3:30PM	To:	3:49PM		
Weather:	Sunny				
Observer(s):	Victor C. and Israel G.				

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: 32.5 MPH
21	0	0.00%	0.00%	Sample Variance: 22.91
22	0	0.00%	0.00%	Standard Deviation: 4.8
23	0	0.00%	0.00%	Variance of the Mean: 0.4582
24	0	0.00%	0.00%	Standard Error of the Mean: 0.7
25	1	2.00%	2.00%	10 MPH Pace: 27 To: 36 MPH
26	2	4.00%	6.00%	Percent in Pace: 74.0%
27	3	6.00%	12.00%	Vehicles in Pace: 37
28	7	14.00%	26.00%	50th Percentile Speed: 32 MPH
29	2	4.00%	30.00%	85th Percentile Speed: 38 MPH
30	4	8.00%	38.00%	90th Percentile Speed: 38 MPH
31	5	10.00%	48.00%	95th Percentile Speed: 42 MPH
32	4	8.00%	56.00%	
33	3	6.00%	62.00%	
34	5	10.00%	72.00%	
35	0	0.00%	72.00%	
36	4	8.00%	80.00%	
37	2	4.00%	84.00%	
38	3	6.00%	90.00%	
39	1	2.00%	92.00%	
40	0	0.00%	92.00%	
41	0	0.00%	92.00%	
42	3	6.00%	98.00%	
43	0	0.00%	98.00%	
44	0	0.00%	98.00%	
45	0	0.00%	98.00%	
46	1	2.00%	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:





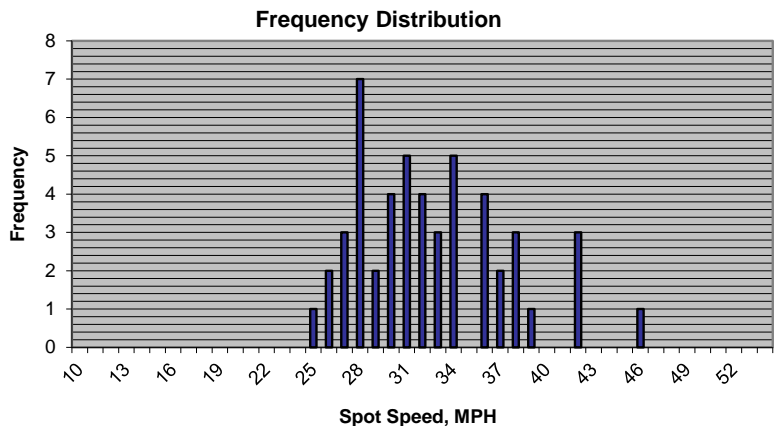
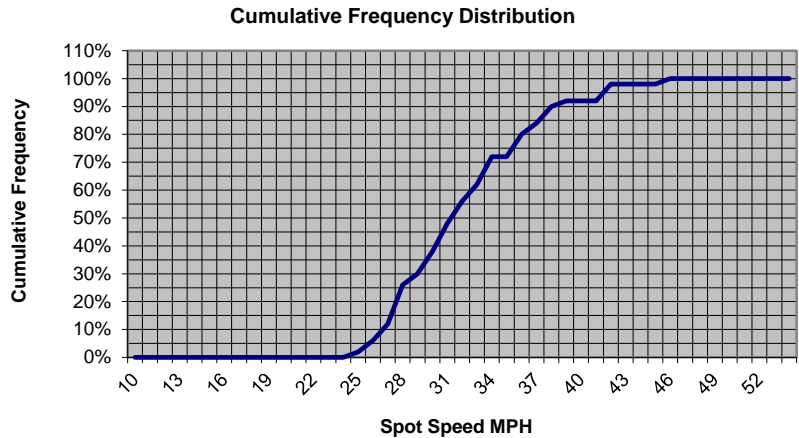
CITY OF SALINAS

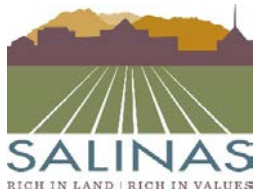
DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	John St	Direction:	EBD	Comments:
Between:	Wood and E. Alisal	No. 122		
Survey Location:	Tulip Cir and S. Filice St			
Speed Limit:	35 MPH			
Date:	08/10/21			
Hours:	From: 3:30PM	To:	3:49PM	
Weather:	Sunny			
Observer(s):	Victor C. and Israel G.			

MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%		
11	0	0.00%	0.00%	Time Mean Speed:	32.5 MPH
12	0	0.00%	0.00%	Sample Variance:	22.91
13	0	0.00%	0.00%	Standard Deviation:	4.8
14	0	0.00%	0.00%	Variance of the Mean:	0.4582
15	0	0.00%	0.00%	Standard Error of the Mean:	0.7
16	0	0.00%	0.00%	10 MPH Pace:	27 To: 36 MPH
17	0	0.00%	0.00%	Percent in Pace:	74.0%
18	0	0.00%	0.00%	Vehicles in Pace:	37
19	0	0.00%	0.00%	50th Percentile Speed:	32 MPH
20	0	0.00%	0.00%	85th Percentile Speed:	38 MPH
21	0	0.00%	0.00%	90th Percentile Speed:	38 MPH
22	0	0.00%	0.00%	95th Percentile Speed:	42 MPH
23	0	0.00%	0.00%	Cumulative Frequency Distribution	
24	0	0.00%	0.00%		
25	1	2.00%	2.00%	Frequency Distribution	
26	2	4.00%	6.00%		
27	3	6.00%	12.00%		
28	7	14.00%	26.00%		
29	2	4.00%	30.00%		
30	4	8.00%	38.00%		
31	5	10.00%	48.00%		
32	4	8.00%	56.00%		
33	3	6.00%	62.00%		
34	5	10.00%	72.00%		
35	0	0.00%	72.00%		
36	4	8.00%	80.00%		
37	2	4.00%	84.00%		
38	3	6.00%	90.00%		
39	1	2.00%	92.00%		
40	0	0.00%	92.00%		
41	0	0.00%	92.00%		
42	3	6.00%	98.00%		
43	0	0.00%	98.00%		
44	0	0.00%	98.00%		
45	0	0.00%	98.00%		
46	1	2.00%	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:	John St	Direction:	WBD/EBD	No. 122	Comments:
Between:	Wood and E. Alisal				
Survey Location:	Tulip Cir and S. Filice St				
Speed Limit:	35 MPH				
Date:	08/10/21	Day:	Wednesday		
Hours:	From: 3:30PM	To:	3:49PM		
Weather:	Sunny				
Observer(s):	Victor C. and Israel G.				

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	2	2.00%	2.00%	
26	4	4.00%	6.00%	
27	6	6.00%	12.00%	
28	14	14.00%	26.00%	
29	4	4.00%	30.00%	
30	8	8.00%	38.00%	
31	10	10.00%	48.00%	
32	8	8.00%	56.00%	
33	6	6.00%	62.00%	
34	10	10.00%	72.00%	
35	0	0.00%	72.00%	
36	8	8.00%	80.00%	
37	4	4.00%	84.00%	
38	6	6.00%	90.00%	
39	2	2.00%	92.00%	
40	0	0.00%	92.00%	
41	0	0.00%	92.00%	
42	6	6.00%	98.00%	
43	0	0.00%	98.00%	
44	0	0.00%	98.00%	
45	0	0.00%	98.00%	
46	2	2.00%	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:	32.5	MPH
Sample Variance:	22.68	
Standard Deviation:	4.8	
Variance of the Mean:	0.2268	
Standard Error of the Mean:	0.5	
10 MPH Pace:	27	To: 36 MPH
Percent in Pace:	74.0%	
Vehicles in Pace:	74	
50th Percentile Speed:	32	MPH
85th Percentile Speed:	38	MPH
90th Percentile Speed:	38	MPH
95th Percentile Speed:	42	MPH

Cumulative Frequency Distribution

Frequency Distribution

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE

122

LOCATION John St

DATE 8/10/21 DAY Tuesday

TIME 3:30 TO 3:49

OBSERVER Israel G

CALCULATED BY Victor C

WEATHER Sunny

Direction: EB

MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
66				
65				
64				
63				
62				
61				
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11				
10				

Direction: WB

MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
66				
65				
64				
63				
62				
61				
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**CITY OF SALINAS
TRANSPORTATION & ENGINEERING
TRAFFIC SURVEY**









STREET: **FREEDOM PARKWAY**
BETWEEN: **WILLIAMS RD & SCONBERG PKWY**
SURVEY DATE: **08/12/21 (EXPIRES 2026)**

123



COMMENTS:

This segment of Freedom Parkway is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes backing residential homes, park, and school use. Speed data was collected August 12, 2021, revealed the 85th percentile speed of 40 mph. The 10 mph pace ranges from 32 mph to 41 mph and suggests the 85th percentile is within this range. Based on the surrounding land use, and the 10 mph pace range, and the prevailing speeds reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 25 mph should be increased to 35 mph.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 3,400 Feet	 ALL WAY STOP	
Vertical Alignment	Flat	 SIGNAL	
Street Width	Varies (32 to 82 Feet)	 SPEED LIMIT SIGN	
No. Lanes and Median	4-Lane Minor Arterial	 CITY LIMITS	
Proposed Speed Zone	35 MPH	 CROSSWALK	
85th Percentile Speed	40 MPH	 SCHOOL CROSSWALK	
Traffic Volume (Date)	1,690	 CROSSING GUARD	
Accident Data (2 years)	2 Collisions (2018-2019)		
Street Segment Collision Rate = $\frac{\text{Collisions}}{(\text{Years}) (365) (\text{ADT}) (\text{Length in Miles})}$	2.54 Acc./MVM		



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Freedom Blvd	Direction:	WBD		Comments:
Between:	Williams and Sconberg	No. 123			
Survey Location:	Tuscany Blvd and Padova Dr				
Speed Limit:	25 MPH				
Date:	08/12/21				
Hours:	From: 12:20PM	To:	1:16PM		
Weather:	Sunny				
Observer(s):	Victor C. and Israel G.				

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	2	4.00%	6.00%	
26	1	2.00%	8.00%	
27	1	2.00%	10.00%	
28	4	8.00%	18.00%	
29	2	4.00%	22.00%	
30	2	4.00%	26.00%	
31	3	6.00%	32.00%	
32	3	6.00%	38.00%	
33	1	2.00%	40.00%	
34	6	12.00%	52.00%	
35	2	4.00%	56.00%	
36	4	8.00%	64.00%	
37	3	6.00%	70.00%	
38	3	6.00%	76.00%	
39	5	10.00%	86.00%	
40	2	4.00%	90.00%	
41	3	6.00%	96.00%	
42	1	2.00%	98.00%	
43	0	0.00%	98.00%	
44	1	2.00%	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:	34.1	MPH
Sample Variance:	25.33	
Standard Deviation:	5.0	
Variance of the Mean:	0.5066	
Standard Error of the Mean:	0.7	
10 MPH Pace:	30	To: 39 MPH
Percent in Pace:	64.0%	
Vehicles in Pace:	32	
50th Percentile Speed:	34	MPH
85th Percentile Speed:	39	MPH
90th Percentile Speed:	40	MPH
95th Percentile Speed:	41	MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Freedom Blvd	Direction:	WBD/EBD	Comments:
Between:	Williams and Sconberg	No.123		
Survey Location:	Tuscany Blvd and Padova Dr			
Speed Limit:	25 MPH			
Date:	08/12/21			
Hours:	From: 12:20PM	To:	1:16PM	
Weather:	Sunny			
Observer(s):	Victor C. and Israel G.			

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	2	2.00%	2.00%	
25	3	3.00%	5.00%	
26	1	1.00%	6.00%	
27	1	1.00%	7.00%	
28	7	7.00%	14.00%	
29	5	5.00%	19.00%	
30	4	4.00%	23.00%	
31	5	5.00%	28.00%	
32	5	5.00%	33.00%	
33	7	7.00%	40.00%	
34	10	10.00%	50.00%	
35	3	3.00%	53.00%	
36	6	6.00%	59.00%	
37	12	12.00%	71.00%	
38	5	5.00%	76.00%	
39	6	6.00%	82.00%	
40	5	5.00%	87.00%	
41	6	6.00%	93.00%	
42	2	2.00%	95.00%	
43	2	2.00%	97.00%	
44	2	2.00%	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%	
Totals:	100	100.00%		

Data Analysis:

Time Mean Speed:	34.6	MPH
Sample Variance:	25.07	
Standard Deviation:	5.0	
Variance of the Mean:	0.2507	
Standard Error of the Mean:	0.5	
10 MPH Pace:	32	To: 41 MPH
Percent in Pace:	65.0%	
Vehicles in Pace:	65	
50th Percentile Speed:	34	MPH
85th Percentile Speed:	40	MPH
90th Percentile Speed:	41	MPH
95th Percentile Speed:	42	MPH

Cumulative Frequency Distribution

Frequency Distribution

3rd Attempt

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE

123

LOCATION Freedom Blvd btwn Williams and Seonberg

DATE 8/12/21 DAY Thursday

TIME 12:20 TO 1:16

OBSERVER Israel G.

CALCULATED BY Victor C.

WEATHER Sunny

Direction: <u>NB</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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10				

Direction: <u>SB</u>				
MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
66				
65				
64				
63				
62				
61				
60				
59				
58				
57				
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**CITY OF SALINAS
TRANSPORTATION & ENGINEERING
TRAFFIC SURVEY**

STREET: **SCONBERG PARKWAY**
BETWEEN: **ALISAL RD & FREEDOM PKWY**
SURVEY DATE: **08/10/2021 (EXPIRES IN 2026)**

124



COMMENTS:

This segment of Sconberg Parkway is classified as a major arterial in the City of Salinas General Plan. The surrounding land use includes backing residential homes, school, and agricultural use. Speed data was collected August 10, 2021, 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, and 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 3,600 Feet	ALL WAY STOP SIGNAL SPEED LIMIT SIGN CITY LIMITS CROSSWALK SCHOOL CROSSWALK CROSSING GUARD	
Vertical Alignment	Flat		
Street Width	32 Feet		
No. Lanes and Median	2-Lane Major Arterial		
Proposed Speed Zone	25 MPH		
85th Percentile Speed	28 MPH		
Traffic Volume (Date)	4,902		
Accident Data (2 years)	3 Collisions (2018-2019)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	1.24 Acc./MVM		



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	<u>Sconberg Pkwy</u>	Direction:	<u>EBD</u>	Comments: <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 124</div>
Between:	<u>Alisal Rd and Freedom Pkwy</u>			
Survey Location:	<u>Alisal Rd and Monte Bella Blvd</u>			
Speed Limit:	<u>25</u> MPH			
Date:	<u>08/10/21</u>	Day:	<u>Tuesday</u>	
Hours: From:	<u>2:42pm</u>	To:	<u>3:16pm</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Victor C. and Israel G.</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	2	4.00%	4.00%	
20	7	14.00%	18.00%	
21	3	6.00%	24.00%	
22	1	2.00%	26.00%	
23	4	8.00%	34.00%	
24	0	0.00%	34.00%	
25	5	10.00%	44.00%	
26	8	16.00%	60.00%	
27	2	4.00%	64.00%	
28	6	12.00%	76.00%	
29	4	8.00%	84.00%	
30	2	4.00%	88.00%	
31	0	0.00%	88.00%	
32	5	10.00%	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:	25.6	MPH
Sample Variance:	17.34	
Standard Deviation:	4.2	
Variance of the Mean:	0.3468	
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:	26	MPH
85th Percentile Speed:	30	MPH
90th Percentile Speed:	32	MPH
95th Percentile Speed:	32	MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	<u>Sconberg Pkwy</u>	Direction:	<u>WBD</u>	Comments: <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 123</div>
Between:	<u>Alisal Rd and Freedom Pkwy</u>			
Survey Location:	<u>Alisal Rd and Monte Bella Blvd</u>			
Speed Limit:	<u>25</u> MPH			
Date:	<u>08/10/21</u>	Day:	<u>Tuesday</u>	
Hours: From:	<u>2:42pm</u>	To:	<u>3:16pm</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Victor C. and Israel G.</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	2	4.00%	4.00%	
19	2	4.00%	8.00%	
20	10	20.00%	28.00%	
21	6	12.00%	40.00%	
22	10	20.00%	60.00%	
23	5	10.00%	70.00%	
24	2	4.00%	74.00%	
25	5	10.00%	84.00%	
26	4	8.00%	92.00%	
27	1	2.00%	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:	22.5	MPH
Sample Variance:	7.19	
Standard Deviation:	2.7	
Variance of the Mean:	0.1438	
Standard Error of the Mean:	0.4	
10 MPH Pace:	18	To: 27 MPH
Percent in Pace:	94.0%	
Vehicles in Pace:	47	
50th Percentile Speed:	22	MPH
85th Percentile Speed:	26	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>Sconberg Pkwy</u>	Direction:	<u>EBD/WBD</u>	Comments:		
Between:	<u>Alisal Rd and Freedom Pkwy</u>	No.49				
Survey Location:	<u>Alisal Rd and Monte Bella Blvd</u>					
Speed Limit:	<u>25</u> MPH					
Date:	<u>08/10/21</u>				Day:	<u>Tuesday</u>
Hours:	From: <u>2:42pm</u>				To:	<u>3:16pm</u>
Weather:	<u>Sunny</u>					
Observer(s):	<u>Victor C. and Israel G.</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	2	2.00%	2.00%	
19	4	4.00%	6.00%	
20	17	17.00%	23.00%	
21	9	9.00%	32.00%	
22	11	11.00%	43.00%	
23	9	9.00%	52.00%	
24	2	2.00%	54.00%	
25	10	10.00%	64.00%	
26	12	12.00%	76.00%	
27	3	3.00%	79.00%	
28	8	8.00%	87.00%	
29	5	5.00%	92.00%	
30	2	2.00%	94.00%	
31	0	0.00%	94.00%	
32	5	5.00%	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:	24.1	MPH
Sample Variance:	14.66	
Standard Deviation:	3.8	
Variance of the Mean:	0.1466	
Standard Error of the Mean:	0.4	
10 MPH Pace:	20	To: 29 MPH
Percent in Pace:	86.0%	
Vehicles in Pace:	86	
50th Percentile Speed:	23	MPH
85th Percentile Speed:	28	MPH
90th Percentile Speed:	29	MPH
95th Percentile Speed:	32	MPH

Cumulative Frequency Distribution

Frequency Distribution

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE

124

LOCATION Sconberg

DATE 8/10 DAY Tuesday

TIME 7:42 TO 3:16

OBSERVER Victor C

CALCULATED BY Israel G

WEATHER Sunny

Direction:

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				
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15				
14				
13				
12				
11				
10				

Direction:

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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THX THX THX THX THX

**CITY OF SALINAS
TRANSPORTATION & ENGINEERING
TRAFFIC SURVEY**

STREET: **NORTH DAVIS ROAD**
BETWEEN: **LARKIN ST & WESTRIDGE PKWY**
SURVEY DATE: **08/05/2021 (EXPIRES 2026)**

125



COMMENTS:

This segment of North Davis Road is classified as a major arterial in the City of Salinas General Plan. The surrounding land use includes retail and school use. Speed data was collected August 5, 2021, revealed the 85th percentile speed of 41 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, and 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 retained.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 3,850 Feet	ALL WAY STOP SIGNAL SPEED LIMIT SIGN CITY LIMITS CROSSWALK SCHOOL CROSSWALK CROSSING GUARD	
Vertical Alignment	Flat		
Street Width	86 Feet		
No. Lanes and Median	4-Lane Major Arterial		
Proposed Speed Zone	35 MPH		
85th Percentile Speed	41 MPH		
Traffic Volume (Date)	38,858		
Accident Data (2 years)	30 Collisions (2018-2019)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	1.46 Acc./MVM		



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Davis Rd	Direction:	NBD	Comments:
Between:	Larkin St and Westridge Pkwy	No. 125		
Survey Location:	Laurel Dr and Westridge Pkwy			
Speed Limit:	35 MPH			
Date:	08/05/21			
Hours:	From: 3:30PM	To:	3:55PM	
Weather:	Sunny			
Observer(s):	Victor C. and Giovanni N.			

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	2	4.00%	4.00%	
29	0	0.00%	4.00%	
30	2	4.00%	8.00%	
31	0	0.00%	8.00%	
32	1	2.00%	10.00%	
33	2	4.00%	14.00%	
34	8	16.00%	30.00%	
35	4	8.00%	38.00%	
36	4	8.00%	46.00%	
37	7	14.00%	60.00%	
38	4	8.00%	68.00%	
39	2	4.00%	72.00%	
40	3	6.00%	78.00%	
41	1	2.00%	80.00%	
42	3	6.00%	86.00%	
43	2	4.00%	90.00%	
44	2	4.00%	94.00%	
45	1	2.00%	96.00%	
46	0	0.00%	96.00%	
47	0	0.00%	96.00%	
48	1	2.00%	98.00%	
49	0	0.00%	98.00%	
50	0	0.00%	98.00%	
51	0	0.00%	98.00%	
52	1	2.00%	100.00%	
53	0	0.00%	100.00%	
54	0	0.00%	100.00%	
Totals:	50	100.00%		

Data Analysis:

Time Mean Speed:	37.3	MPH
Sample Variance:	22.74	
Standard Deviation:	4.8	
Variance of the Mean:	0.4548	
Standard Error of the Mean:	0.7	
10 MPH Pace:	33	To: 42 MPH
Percent in Pace:	76.0%	
Vehicles in Pace:	38	
50th Percentile Speed:	37	MPH
85th Percentile Speed:	42	MPH
90th Percentile Speed:	43	MPH
95th Percentile Speed:	45	MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Davis Rd	Direction:	SBD	Comments: No. 125
Between:	Larkin St and Westridge Pkwy			
Survey Location:	Laurel Dr and Westridge Pkwy			
Speed Limit:	35 MPH			
Date:	08/05/21	Day:	Thursday	
Hours: From:	3:30PM	To:	3:55PM	
Weather:	Sunny			
Observer(s):	Victor C. and Giovanni N.			

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	1	2.00%	2.00%	
27	3	6.00%	8.00%	
28	1	2.00%	10.00%	
29	2	4.00%	14.00%	
30	0	0.00%	14.00%	
31	7	14.00%	28.00%	
32	4	8.00%	36.00%	
33	2	4.00%	40.00%	
34	4	8.00%	48.00%	
35	2	4.00%	52.00%	
36	6	12.00%	64.00%	
37	2	4.00%	68.00%	
38	4	8.00%	76.00%	
39	3	6.00%	82.00%	
40	4	8.00%	90.00%	
41	0	0.00%	90.00%	
42	2	4.00%	94.00%	
43	0	0.00%	94.00%	
44	1	2.00%	96.00%	
45	0	0.00%	96.00%	
46	1	2.00%	98.00%	
47	0	0.00%	98.00%	
48	0	0.00%	98.00%	
49	0	0.00%	98.00%	
50	0	0.00%	98.00%	
51	0	0.00%	98.00%	
52	0	0.00%	98.00%	
53	1	2.00%	100.00%	
54	0	0.00%	100.00%	
Totals:	50	100.00%		

Data Analysis:

Time Mean Speed:	35.1	MPH
Sample Variance:	28.07	
Standard Deviation:	5.3	
Variance of the Mean:	0.5614	
Standard Error of the Mean:	0.7	
10 MPH Pace:	31	To: 40 MPH
Percent in Pace:	76.0%	
Vehicles in Pace:	38	
50th Percentile Speed:	35	MPH
85th Percentile Speed:	40	MPH
90th Percentile Speed:	41	MPH
95th Percentile Speed:	44	MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Davis Rd	Direction:	NBD/SBD	Comments:
Between:	Larkin St and Westridge Pkwy			No.49
Survey Location:	Laurel Dr and Westridge Pkwy			
Speed Limit:	35 MPH			
Date:	08/05/21	Day:	Thursday	
Hours: From:	3:30PM	To:	3:55PM	
Weather:	Sunny			
Observer(s):	Victor C. and Giovanni N.			

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	1	1.00%	1.00%	
27	3	3.00%	4.00%	
28	3	3.00%	7.00%	
29	2	2.00%	9.00%	
30	2	2.00%	11.00%	
31	7	7.00%	18.00%	
32	5	5.00%	23.00%	
33	4	4.00%	27.00%	
34	12	12.00%	39.00%	
35	6	6.00%	45.00%	
36	10	10.00%	55.00%	
37	9	9.00%	64.00%	
38	8	8.00%	72.00%	
39	5	5.00%	77.00%	
40	7	7.00%	84.00%	
41	1	1.00%	85.00%	
42	5	5.00%	90.00%	
43	2	2.00%	92.00%	
44	3	3.00%	95.00%	
45	1	1.00%	96.00%	
46	1	1.00%	97.00%	
47	0	0.00%	97.00%	
48	1	1.00%	98.00%	
49	0	0.00%	98.00%	
50	0	0.00%	98.00%	
51	0	0.00%	98.00%	
52	1	1.00%	99.00%	
53	1	1.00%	100.00%	
54	0	0.00%	100.00%	
Totals:	100	100.00%		

Data Analysis:

Time Mean Speed:	36.2	MPH
Sample Variance:	26.35	
Standard Deviation:	5.1	
Variance of the Mean:	0.2635	
Standard Error of the Mean:	0.5	
10 MPH Pace:	31	To: 40 MPH
Percent in Pace:	73.0%	
Vehicles in Pace:	73	
50th Percentile Speed:	36	MPH
85th Percentile Speed:	41	MPH
90th Percentile Speed:	42	MPH
95th Percentile Speed:	44	MPH

Cumulative Frequency Distribution

Frequency Distribution

2055

SITE CODE
125

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

LOCATION Davis Rd btwn Larkins & Westridge
DATE 8/5 DAY thursday TIME 3:30 TO 3:55
OBSERVER Giovanni N. CALCULATED BY Victor C WEATHER Slenny

Direction:				
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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24				
23				
22				
21				
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18				
17				
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12				
11				
10				

Direction:				
MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
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12				
11				
10				



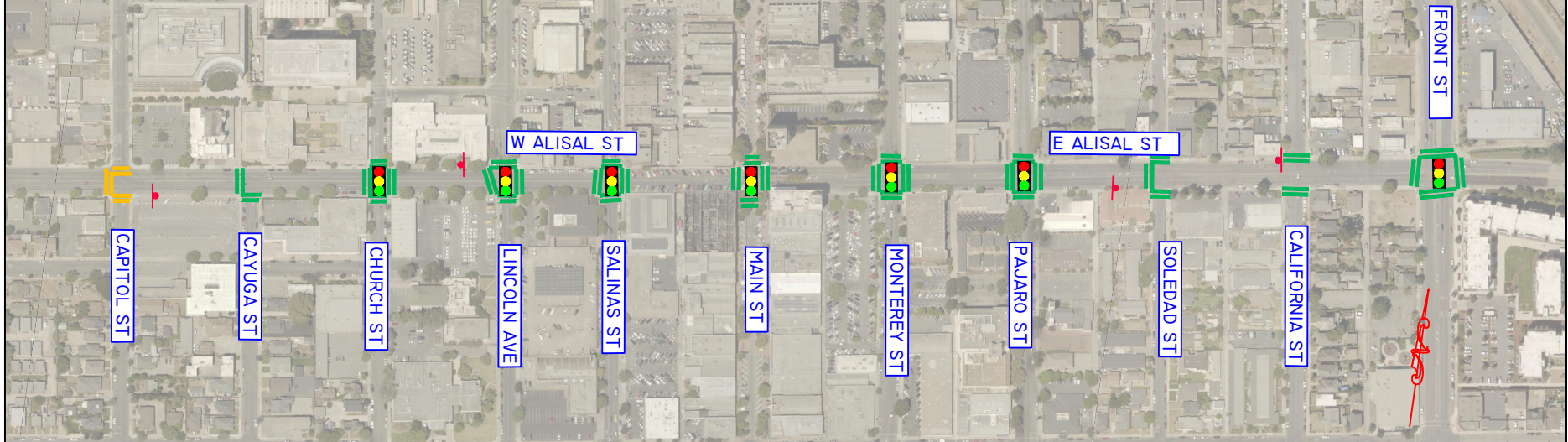
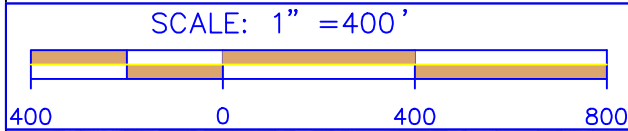
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**CITY OF SALINAS
TRANSPORTATION & ENGINEERING
TRAFFIC SURVEY**

STREET: **WEST/EAST ALISAL STREET**
BETWEEN: **CAPITOL ST & FRONT ST**
SURVEY DATE: **08/10/2021 (EXPIRES 2026)**

126



COMMENTS:

This segment of West/East Alisal Street is classified as a major arterial in the City of Salinas General Plan. The surrounding land use includes retail, mix, and office use. More than 50% of the property contiguous to one side of the Salinas St if occupied by businesses, which meets the definition of a business district as defined in section 235 of the CVC. CVC Section 22352 sets the prima facie speed limit at 25 mph without posted signs. Speed data was collected August 10, 2021, revealed the 85th percentile speed of 26 mph. The 10 mph pace ranges from 16 mph to 25 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, and the 10 mph pace range, and the prevailing speeds rounded to the nearest 5 mph, the existing posted speed limit of 25 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 3,300 Feet	ALL WAY STOP SIGNAL SPEED LIMIT SIGN CITY LIMITS CROSSWALK SCHOOL CROSSWALK	
Vertical Alignment	Flat		
Street Width	64 Feet		
No. Lanes and Median	2-Lane Major Arterial		
Proposed Speed Zone	25 MPH		
85th Percentile Speed	26 MPH		
Traffic Volume (Date)	8,165		
Accident Data (2 years)	38 Collisions (2018-2019)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	10.30 Acc./MVM		



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	Alisal St	Direction: <u>WBD</u>	Comments: <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 126</div>
Between:	Capitol St and Front St		
Survey Location:	Lincoln Ave and Church St		
Speed Limit:	25 MPH		
Date:	08/10/21	Day: Tuesday	
Hours: From:	1:54PM	To: 2:27PM	
Weather:	Sunny		
Observer(s):	Victor C. and Israel G.		

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	6.00%	6.00%	
19	6	12.00%	18.00%	
20	4	8.00%	26.00%	
21	3	6.00%	32.00%	
22	3	6.00%	38.00%	
23	9	18.00%	56.00%	
24	3	6.00%	62.00%	
25	4	8.00%	70.00%	
26	5	10.00%	80.00%	
27	4	8.00%	88.00%	
28	0	0.00%	88.00%	
29	4	8.00%	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	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:	23.5	MPH
Sample Variance:	13.32	
Standard Deviation:	3.6	
Variance of the Mean:	0.2664	
Standard Error of the Mean:	0.5	
10 MPH Pace:	18	To: 27 MPH
Percent in Pace:	88.0%	
Vehicles in Pace:	44	
50th Percentile Speed:	23	MPH
85th Percentile Speed:	27	MPH
90th Percentile Speed:	29	MPH
95th Percentile Speed:	29	MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	<u>Alisal St</u>	Direction:	<u>EBD</u>	Comments: <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 126</div>
Between:	<u>Capitol St and Front St</u>			
Survey Location:	<u>Lincoln Ave and Church St</u>			
Speed Limit:	<u>25</u> MPH			
Date:	<u>08/10/21</u>	Day:	<u>Tuesday</u>	
Hours: From:	<u>1:54PM</u>	To:	<u>2:27PM</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Victor C. and Israel G.</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	2	4.00%	4.00%	
15	4	8.00%	12.00%	
16	8	16.00%	28.00%	
17	8	16.00%	44.00%	
18	4	8.00%	52.00%	
19	6	12.00%	64.00%	
20	3	6.00%	70.00%	
21	3	6.00%	76.00%	
22	4	8.00%	84.00%	
23	3	6.00%	90.00%	
24	1	2.00%	92.00%	
25	1	2.00%	94.00%	
26	0	0.00%	94.00%	
27	1	2.00%	96.00%	
28	2	4.00%	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:	19.0	MPH
Sample Variance:	12.41	
Standard Deviation:	3.5	
Variance of the Mean:	0.2482	
Standard Error of the Mean:	0.5	
10 MPH Pace:	14	To: 23 MPH
Percent in Pace:	90.0%	
Vehicles in Pace:	45	
50th Percentile Speed:	18	MPH
85th Percentile Speed:	23	MPH
90th Percentile Speed:	23	MPH
95th Percentile Speed:	27	MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	<u>Alisal St</u>	Direction:	<u>WBD/EBD</u>	Comments: <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 126</div>
Between:	<u>Capitol St and Front St</u>			
Survey Location:	<u>Lincoln Ave and Church St</u>			
Speed Limit:	<u>25</u> MPH			
Date:	<u>08/10/21</u>	Day:	<u>Tuesday</u>	
Hours: From:	<u>1:54PM</u>	To:	<u>2:27PM</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Victor C. and Israel G.</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	2	2.00%	2.00%	
15	4	4.00%	6.00%	
16	8	8.00%	14.00%	
17	8	8.00%	22.00%	
18	7	7.00%	29.00%	
19	12	12.00%	41.00%	
20	7	7.00%	48.00%	
21	6	6.00%	54.00%	
22	7	7.00%	61.00%	
23	12	12.00%	73.00%	
24	4	4.00%	77.00%	
25	5	5.00%	82.00%	
26	5	5.00%	87.00%	
27	5	5.00%	92.00%	
28	2	2.00%	94.00%	
29	4	4.00%	98.00%	
30	1	1.00%	99.00%	
31	0	0.00%	99.00%	
32	0	0.00%	99.00%	
33	0	0.00%	99.00%	
34	1	1.00%	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:	21.2	MPH
Sample Variance:	17.80	
Standard Deviation:	4.2	
Variance of the Mean:	0.1780	
Standard Error of the Mean:	0.4	
10 MPH Pace:	16	To: 25 MPH
Percent in Pace:	76.0%	
Vehicles in Pace:	76	
50th Percentile Speed:	21	MPH
85th Percentile Speed:	26	MPH
90th Percentile Speed:	27	MPH
95th Percentile Speed:	29	MPH

Cumulative Frequency Distribution

Frequency Distribution

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE

127



LOCATION Aliso St

DATE 8/10/21 DAY Tuesday

TIME 1:54 TO 2:27

OBSERVER Victor C

CALCULATED BY Israel G

WEATHER Sunny

Direction: EB

MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
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Direction: WB

MPH	Number of Vehicles			
	5	10	15	20
70				
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**CITY OF SALINAS
TRANSPORTATION & ENGINEERING
TRAFFIC SURVEY**

STREET: **TOWT STREET**
BETWEEN: **GARNER AVE & FREEDOM PKWY**
SURVEY DATE: **09/10/2021 (EXPIRES 2026)**

127



COMMENTS:

This segment of Towt Street is classified as a collector in the City of Salinas General Plan. The surrounding land use includes fronting residential homes, park, and school use. Speed data collected September 10, 2021, revealed the 85th percentile speed of 31 mph. The 10 mph pace ranges from 22 mph to 31 mph and suggests the 85th percentile is within this range. Based on the surrounding land use, and 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 4,350 Feet	ALL WAY STOP SIGNAL SPEED LIMIT SIGN CITY LIMITS CROSSWALK SCHOOL CROSSWALK	
Vertical Alignment	Flat		
Street Width	Varies (38 to 44 Feet)		
No. Lanes and Median	2-Lane Collector		
Proposed Speed Zone	25 MPH		
85 th Percentile Speed	31 MPH		
Traffic Volume (Date)	7,731		
Accident Data (2 years)	19 Collisions (2018-2019)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	4.11 Acc./MVM		



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	<u>Towt St</u>	Direction: <u>EBD</u>	Comments: <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 127</div>
Between:	<u>Garner Ave and Freedmon Pkwy</u>		
Survey Location:	<u>Garner Ave and Del Monte Ave</u>		
Speed Limit:	<u>25</u> MPH		
Date:	<u>09/10/21</u>	Day: <u>Friday</u>	
Hours: From:	<u>10:50</u>	To: <u>12:02</u>	
Weather:	<u>Sunny</u>		
Observer(s):	<u>Chris</u>		

MPH	Frequency	Percent	Cumulative %	
3	0	0.00%	0.00%	
4	0	0.00%	0.00%	
5	0	0.00%	0.00%	
6	0	0.00%	0.00%	
7	0	0.00%	0.00%	
8	0	0.00%	0.00%	
9	0	0.00%	0.00%	
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	1	2.00%	2.00%	
18	1	2.00%	4.00%	
19	2	4.00%	8.00%	
20	1	2.00%	10.00%	
21	1	2.00%	12.00%	
22	2	4.00%	16.00%	
23	1	2.00%	18.00%	
24	2	4.00%	22.00%	
25	3	6.00%	28.00%	
26	6	12.00%	40.00%	
27	4	8.00%	48.00%	
28	1	2.00%	50.00%	
29	3	6.00%	56.00%	
30	7	14.00%	70.00%	
31	8	16.00%	86.00%	
32	0	0.00%	86.00%	
33	3	6.00%	92.00%	
34	0	0.00%	92.00%	
35	1	2.00%	94.00%	
36	1	2.00%	96.00%	
37	1	2.00%	98.00%	
38	0	0.00%	98.00%	
39	1	2.00%	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%	
Totals:	50	100.00%		

Data Analysis:

Time Mean Speed:	27.7	MPH
Sample Variance:	23.87	
Standard Deviation:	4.9	
Variance of the Mean:	0.4774	
Standard Error of the Mean:	0.7	
10 MPH Pace:	22	To: 31 MPH
Percent in Pace:	74.0%	
Vehicles in Pace:	37	
50th Percentile Speed:	28	MPH
85th Percentile Speed:	31	MPH
90th Percentile Speed:	33	MPH
95th Percentile Speed:	36	MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS

DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

RADAR SURVEY

Street:	<u>Towt St</u>	Direction: <u>WBD</u>	Comments: <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 127</div>
Between:	<u>Garner Ave and Freedmon Pkwy</u>		
Survey Location:	<u>Garner Ave and Del Monte Ave</u>		
Speed Limit:	<u>25</u> MPH		
Date:	<u>09/10/21</u>	Day: <u>Friday</u>	
Hours: From:	<u>1050</u>	To: <u>1202</u>	
Weather:	<u>Sunny</u>		
Observer(s):	<u>Chris</u>		

MPH	Frequency	Percent	Cumulative %	
3	0	0.00%	0.00%	
4	0	0.00%	0.00%	
5	0	0.00%	0.00%	
6	0	0.00%	0.00%	
7	0	0.00%	0.00%	
8	0	0.00%	0.00%	
9	0	0.00%	0.00%	
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	2	4.00%	6.00%	
21	0	0.00%	6.00%	
22	2	4.00%	10.00%	
23	4	8.00%	18.00%	
24	4	8.00%	26.00%	
25	2	4.00%	30.00%	
26	7	14.00%	44.00%	
27	7	14.00%	58.00%	
28	4	8.00%	66.00%	
29	7	14.00%	80.00%	
30	1	2.00%	82.00%	
31	4	8.00%	90.00%	
32	2	4.00%	94.00%	
33	1	2.00%	96.00%	
34	1	2.00%	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	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%	
Totals:	50	100.00%		

Data Analysis:

Time Mean Speed:	27.0	MPH
Sample Variance:	15.92	
Standard Deviation:	4.0	
Variance of the Mean:	0.3184	
Standard Error of the Mean:	0.6	
10 MPH Pace:	22	To: 31 MPH
Percent in Pace:	84.0%	
Vehicles in Pace:	42	
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:	Towt St	Direction:	EBD/WBD	Comments:
Between:	Garner Ave and Freedmon Pkwy	No. 127		
Survey Location:	Garner Ave and Del Monte Ave			
Speed Limit:	25 MPH			
Date:	09/10/21			
Hours:	From: 1050	To:	1202	
Weather:	Sunny			
Observer(s):	Chris			

MPH	Frequency	Percent	Cumulative %	
3	0	0.00%	0.00%	
4	0	0.00%	0.00%	
5	0	0.00%	0.00%	
6	0	0.00%	0.00%	
7	0	0.00%	0.00%	
8	0	0.00%	0.00%	
9	0	0.00%	0.00%	
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	1	1.00%	1.00%	
18	2	2.00%	3.00%	
19	2	2.00%	5.00%	
20	3	3.00%	8.00%	
21	1	1.00%	9.00%	
22	4	4.00%	13.00%	
23	5	5.00%	18.00%	
24	6	6.00%	24.00%	
25	5	5.00%	29.00%	
26	13	13.00%	42.00%	
27	11	11.00%	53.00%	
28	5	5.00%	58.00%	
29	10	10.00%	68.00%	
30	8	8.00%	76.00%	
31	12	12.00%	88.00%	
32	2	2.00%	90.00%	
33	4	4.00%	94.00%	
34	1	1.00%	95.00%	
35	1	1.00%	96.00%	
36	1	1.00%	97.00%	
37	1	1.00%	98.00%	
38	0	0.00%	98.00%	
39	1	1.00%	99.00%	
40	0	0.00%	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%	
Totals:	100	100.00%		

Data Analysis:

Time Mean Speed:	27.4	MPH
Sample Variance:	19.82	
Standard Deviation:	4.5	
Variance of the Mean:	0.1982	
Standard Error of the Mean:	0.4	
10 MPH Pace:	22	To: 31 MPH
Percent in Pace:	79.0%	
Vehicles in Pace:	79	
50th Percentile Speed:	27	MPH
85th Percentile Speed:	31	MPH
90th Percentile Speed:	32	MPH
95th Percentile Speed:	34	MPH

Cumulative Frequency Distribution

Frequency Distribution

85TH Percentile is 31 mph

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE

72

LOCATION Town St. (Btwn Garner Ave and Del Monte Ave)

DATE 9-10-21 DAY Friday

TIME 10:50 TO 12:02

OBSERVER _____ CALCULATED BY _____ WEATHER Sunny

Direction: (1) 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	X			
38				
37	X			
36	X			
35	X			
34				
33	X	X		
32				
31	X	X	X	X
30	X	X	X	X
29	X	X	X	X
28	X	X	X	X
27	X	X	X	X
26	X	X	X	X
25	X	X	X	X
24	X	X	X	X
23	X	X	X	X
22	X	X	X	X
21	X	X	X	X
20	X	X	X	X
19	X	X	X	X
18	X	X	X	X
17	X	X	X	X
16				
15				
14				
13				
12				
11				
10				

Handwritten tally marks (vertical strokes) for the EB direction data.

Direction: (2) 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				
39				
38				
37				
36				
35				
34	X			
33	X			
32	X	X		
31	X	X	X	X
30	X	X	X	X
29	X	X	X	X
28	X	X	X	X
27	X	X	X	X
26	X	X	X	X
25	X	X	X	X
24	X	X	X	X
23	X	X	X	X
22	X	X	X	X
21	X	X	X	X
20	X	X	X	X
19	X	X	X	X
18	X	X	X	X
17				
16				
15				
14				
13				
12				
11				
10				

Handwritten tally marks (vertical strokes) for the WB direction data.