

City of Salinas

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2022

Engineering and Traffic Survey

For Speed Limits

Technical Report

PREPARED BY:

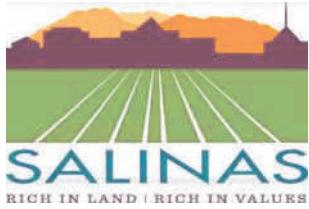
City of Salinas

Public Works Department

Traffic and Transportation Division

200 Lincoln Avenue

Salinas, CA 93901



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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 2022 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. The E&T Surveys are intended to serve as the basis for establishing and enforcing the speed limits for specific streets in the City. The work herein by the City Traffic and Transportation Engineering Division staff, in accordance with the California CVC Section 40802, reviews the established speed limit sections to determine whether changes in existing conditions have occurred which may require adjusting the posted speed limit.

Engineering and Traffic Surveys for speed limits are regularly conducted once every five (5) years by governing municipalities for the purpose of complying with Section 40802 of the CVC and the national Uniform Vehicle Code. E&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 on Uniform Traffic Control Devices (CA-MUTCD), as required under CVC 21400, defines standards for posting speed limits that rely upon collecting speed data in the field to determine the 85th percentile speed, which is subsequently rounded upward or downward to the nearest 5 mile per hour increment. The CA-MUTCD allows for options to further reduce the speed limit. That methodology was applied to the forty-four (44) 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 2027, see Table 1 for details, unless extended through additional criteria.

METHODOLOGY:

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

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

1. MUTCD Section 2B.13 states, “The posted speed may be reduced by 5 mph from the nearest 5-mph increment of the 85th percentile speed, in compliance with CVC Sections 627 and 22358.5.” The cited CVC Section 627 defines an E&T survey that is required to consider prevailing speeds, accident records, and conditions not readily apparent to the driver, and optionally consider residential density as well as pedestrian and bicycle safety. According to the MUTCD, this option requires documentation of an E&T Survey that “shall document in writing the conditions and justification for the lower speed limit and be approved by a registered Civil or Traffic Engineer.” The basis for a speed limit that is more than 5 mph lower than the 85th percentile speed is something other than prevailing speeds. In 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 E&T Survey to post the speed limit sign. The E&T Survey is required nevertheless, however, to allow radar or similar devices to be used for enforcement.

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

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

SUMMARY OF RECOMMENDATIONS:

The results of the Engineering and Traffic Survey for forty-four (44) roadway sections are listed in **Table 1: Engineering and Traffic Survey Summary**:

Engineering and Traffic Surveys Expiring 2027:

Unchanged

1) Abbott Street between Front Street and South Sanborn Road/East Blanco Road – This segment of Abbott Street is a major arterial. The surrounding land use includes industrial, commercial, and mix use areas. Speed data collected March 4, 2022 revealed the 85th percentile speed of 40 mph. The 10 mph pace ranges from 29 mph to 38 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 35 mph should be retained.

4) Adams Street between West Laurel Drive and Navajo Drive – This segment of Adams Street is classified as a collector street in the City of Salinas General Plan. The surrounding land use includes fronting residential homes. Speed data collected April 19, 2022 revealed the 85th percentile speed of 28 mph. The 10 mph pace ranges from 19 mph to 28 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded up and reduced by 5 mph per MUTCD option 2, the existing posted speed limit of 25 mph should be retained.

6) East Alisal Street between Sanborn Road and John Street/Williams Road – This segment of East Alisal Street is classified as a major arterial in the City of Salinas General Plan. The surrounding land use includes fronting residential homes, commercial areas, and a school. Speed data collected February 24, 2022 revealed the 85th percentile speed of 34 mph. The 10 mph pace ranges from 23 mph to 32 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded up and reduced by 5 mph per MUTCD option 2, the existing posted speed limit of 30 mph should be retained.

8) West Alisal Street between College Drive and West Blanco Road – This segment of West Alisal Street is classified as a major arterial in the City of Salinas General Plan. The surrounding land use includes fronting residential homes and commercial areas. Speed data collected March 2, 2022 revealed the 85th percentile speed of 37 mph. The 10 mph pace ranges from 29 mph to 38 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded to the nearest 5 mph, the existing posted speed limit of 35 mph should be retained.

9) East Alvin Drive between North Main Street and Natividad Road – This segment of East Alvin Drive is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes fronting residential homes, schools, office buildings, and retail areas. Speed data collected April 5, 2022 revealed the 85th percentile speed of 38 mph. The 10 mph pace ranges from 28 mph to 37 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded up and reduced by 5 mph per MUTCD option 2, the existing posted speed limit of 35 mph should be retained.

10) West Alvin Drive between Cherokee Drive and North Main Street – This segment of West Alvin Drive is classified as a major arterial in the City of Salinas General Plan. The surrounding land use includes fronting residential homes, and commercial areas. Speed data collected March 22, 2022 revealed the 85th percentile speed of 39 mph. The 10 mph pace ranges from 29 mph to 38 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded up and reduced by 5 mph per MUTCD option 2, the existing posted speed limit of 35 mph should be retained.

15) West Blanco Road between South Main Street and Westernly City Limits – This segment of West Blanco Road is classified as a major arterial. The surrounding land use includes backing residential homes and commercial areas. Speed data collected April 26, 2022 revealed the 85th percentile speed of 50 mph. The 10 mph pace ranges from 37 mph to 46 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 45 mph should be retained.

17) East Boronda Road between North Main Street and Natividad Road – This segment of East Boronda Road is classified as a major arterial. The surrounding land use includes backing residential homes, commercial, and agricultural areas. Speed data collected July 18, 2022 revealed the 85th percentile speed of 47 mph. The 10 mph pace ranges from 38

mph to 47 mph and suggests the 85th percentile falls 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 45 mph should be retained.

18) East Boronda Road between Natividad Road and Constitution Boulevard – This segment of East Boronda Road is classified as a major arterial. The surrounding land use includes backing residential homes, a school, and agricultural areas. Speed data collected April 19, 2022 revealed the 85th percentile speed of 44 mph. The 10 mph pace ranges from 34 mph to 43 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded to the nearest 5 mph, the existing posted speed limit of 45 mph should be retained.

20) Casentini Street between North Main Street and Rico Street – This segment of Casentini Street is classified as a collector in the City of Salinas General Plan. The surrounding land use includes retail and residential areas. Speed data collected March 23, 2022 revealed the 85th percentile speed of 38 mph. The 10 mph pace ranges from 30 mph to 39 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded up and reduced by 5 mph per MUTCD option 2, the existing posted speed limit of 35 mph should be retained.

22) Central Avenue between Villa Street and Salinas Street – This segment of Central Avenue is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes fronting residential homes, office areas, and a school. Speed data collected April 20, 2022 revealed the 85th percentile speed of 32 mph. The 10 mph pace ranges from 24 mph to 33 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded down and reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 25 mph should be retained.

28) Constitution Boulevard between Independence Boulevard and East Laurel Drive – This segment of Constitution Boulevard is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes a park, backing residential homes, and retail areas. Speed data collected April 20, 2022 revealed the 85th percentile speed of 50 mph. The 10 mph pace ranges from 41 mph to 50 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 45 mph should be retained.

30) North Davis Road between West Rossi Street and Larkin Street – This segment of North Davis Road is classified as a major arterial in the City of Salinas General Plan. The surrounding land use includes backing residential homes, and park areas. Speed data collected July 26, 2022 revealed the 85th percentile speed of 46 mph. The 10 mph pace ranges from 38 mph to 47 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded to the nearest 5 mph, the existing posted speed limit of 45 mph should be retained.

31) Del Monte Avenue between Rider Avenue and Williams Road – This segment of Del Monte Avenue is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes fronting residential homes and a school. Speed data collected June 1, 2022 revealed the 85th percentile speed of 30 mph. The 10 mph pace ranges from 21 mph to 30 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 25 mph should be retained.

32) Freedom Parkway between Constitution Boulevard and Williams Road – 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, and a park. Speed data collected June 2, 2022 revealed the 85th percentile speed of 39 mph. The 10 mph pace ranges from 31 mph to 40 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded up and reduced by 5 mph per MUTCD option 2, the existing posted speed limit of 35 mph should be retained.

35) Harkins Road between Hansen Street/Schilling Place and Southerly City Limits – This segment of Harkins Road is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes industrial and mixed-

use areas. Speed data collected March 23, 2022 revealed the 85th percentile speed of 38 mph. The 10 mph pace ranges from 29 mph to 38 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded up and reduced by 5 mph per MUTCD option 2, the existing posted speed limit of 35 mph should be retained.

38) Iverson Street between Clay Street/Homestead Avenue and West Blanco Road – This segment of Iverson Street is classified as a collector in the City of Salinas General Plan. The surrounding land use includes fronting residential homes, a park, and school areas. Speed data collected March 23, 2022 revealed the 85th percentile speed of 26 mph. The 10 mph pace ranges from 17 mph to 26 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, 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.

39) East Market Street between North Sanborn Road and Williams Road – This segment of East Market Street is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes fronting residential homes and school areas. Speed data collected June 1, 2022 revealed the 85th percentile speed of 30 mph. The 10 mph pace ranges from 21 mph to 30 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded to the nearest 5 mph, the existing posted speed limit of 30 mph should be retained.

41) McKinnon Street between East Boronda Road and East Alvin Drive – This segment of McKinnon Street is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes backing residential homes, school areas and a park. Speed data collected July 11, 2022 revealed the 85th percentile speed of 35 mph. The 10 mph pace ranges from 26 mph to 35 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded to the nearest 5 mph, the existing posted speed limit of 35 mph should be retained.

43) Nantucket Boulevard between Independence Boulevard and Constitution Boulevard – This segment of Nantucket Boulevard is classified as a collector in the City of Salinas General Plan. The surrounding land use includes backing residential homes and a school. Speed data collected July 18, 2022 revealed the 85th percentile speed of 40 mph. The 10 mph pace ranges from 32 mph to 41 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 35 mph should be retained.

50) Iris Drive between North Main Street and Tyler Street – This segment of Iris Drive is classified as a collector in the City of Salinas General Plan. The surrounding land use includes fronting residential homes and retail areas. Speed data collected February 23, 2022 revealed the 85th percentile speed of 31 mph. The 10 mph pace ranges from 22 mph to 31 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded down and reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 25 mph should be retained.

52) East Laurel Drive between Natividad Road and North Sanborn Road – This segment of East Laurel Drive is classified as a major arterial in the City of Salinas General Plan. The surrounding land use includes open space, backing residential homes, a hospital, and retail areas. Speed data collected July 21, 2022 revealed the 85th percentile speed of 51 mph. The 10 mph pace ranges from 38 mph to 47 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded down and reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 45 mph should be retained.

56) North Main Street between Laurel Drive and Bernal Drive – This segment of North Main Street is classified as a major arterial in the City of Salinas General Plan. The surrounding land use includes a shopping center, commercial offices/businesses, and motel complex areas. Speed data collected July 21, 2022 revealed the 85th percentile speed of 40 mph. The 10 mph pace ranges from 30 mph to 39 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 35 mph should be retained.

57) North Main Street between Laurel Drive and Alvin Drive – This segment of North Main Street is classified as a major arterial in the City of Salinas General Plan. The surrounding land use includes a shopping center, commercial offices/businesses, and retail areas. Speed data collected July 11, 2022 revealed the 85th percentile speed of 38 mph. The 10 mph pace ranges from 29 mph to 38 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded up and reduced by 5 mph per MUTCD option 2, the existing posted speed limit of 35 mph should be retained.

62) West Rossi Street between North Davis Road and North Main Street – This segment of West Rossi Street is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes fronting/backing residential homes, business park, and general industrial areas. Speed data collected May 3, 2022 revealed the 85th percentile speed of 41 mph. The 10 mph pace ranges from 30 mph to 39 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded to the nearest 5 mph, the existing posted speed limit of 40 mph should be retained.

77) West Acacia Street between Iverson Street and West Alisal Street – This segment of West Acacia Street is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes fronting residential homes and schools. Speed data collected March 2, 2022 revealed the 85th percentile speed of 29 mph. The 10 mph pace ranges from 21 mph to 30 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded up and reduced by 5 mph per MUTCD option 2, the existing posted speed limit of 25 mph should be retained.

78) East Alisal Street between John Street/Williams Road and Bardin Road – This segment of East Alisal Street is classified as a major arterial in the City of Salinas General Plan. The surrounding land use includes fronting residential homes, parks, a community college, and a university. Speed data collected March 4, 2022 revealed the 85th percentile speed of 41 mph. The 10 mph pace ranges from 28 mph to 37 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded down and reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 35 mph should be retained.

85) Natividad Road between East Laurel Drive and East Boronda Road – This segment of Natividad Road is classified as a major arterial in the City of Salinas General Plan. The surrounding land use includes backing residential homes and retail areas. Speed data collected July 18, 2022 revealed the 85th percentile speed of 43 mph. The 10 mph pace ranges from 28 mph to 37 mph and suggests 85th percentile is above this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded up and reduced by 5 mph per MUTCD option 2, the existing posted speed limit of 40 mph should be retained.

89) West Acacia Street between Iverson Street and South Main Street – This segment of West Acacia Street is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes fronting residential homes, commercial, and school areas. Speed data collected February 23, 2022 revealed the 85th percentile speed of 31 mph. The 10 mph pace ranges from 23 mph to 32 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded down and reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 25 mph should be retained.

90) Arcadia Way between Natividad Road and El Dorado Drive – This segment of Arcadia Way is classified as a residential street in the City of Salinas General Plan. The surrounding land use includes fronting residential homes, commercial areas, and a school. Speed data collected May 3, 2022 revealed the 85th percentile speed of 30 mph. The 10 mph pace ranges from 22 mph to 31 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 25 mph should be retained.

91) El Dorado Drive between East Alvin Drive and East Boronda Road – This segment of El Dorado Drive is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes fronting residential homes and a park. Speed data collected March 29, 2022 revealed the 85th percentile speed of 28 mph. The 10 mph pace ranges from 19 mph to 28 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded up and reduced by 5 mph per MUTCD option 2, the existing posted speed limit of 25 mph should be retained.

102) Rider Avenue between Del Monte Avenue and Freedom Parkway – This segment of Rider Avenue is classified as a collector in the City of Salinas General Plan. The surrounding land use includes fronting residential homes and a school. Speed data collected June 3, 2022 revealed the 85th percentile speed of 31 mph. The 10 mph pace ranges from 22 mph to 31 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded down and reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 25 mph should be retained.

103) Rider Avenue between Del Monte Avenue and Gee Street – This segment of Rider Avenue is classified as a collector in the City of Salinas General Plan. The surrounding land use is fronting residential homes. Speed data collected May 3, 2022 revealed the 85th percentile speed of 28 mph. The 10 mph pace ranges from 20 mph to 29 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded up and reduced by 5 mph per MUTCD option 2, the existing posted speed limit of 25 mph should be retained.

105) San Miguel Avenue between Pajaro Street and San Mateo Drive – This segment of San Miguel Avenue is classified as a collector in the City of Salinas General Plan. The surrounding land use is fronting residential homes, a park, and a school. Speed data collected February 23, 2022 revealed the 85th percentile speed of 30 mph. The 10 mph pace ranges from 21 mph to 30 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 25 mph should be retained.

128) North Main Street between Alvin Drive and Boronda Road – This segment of North Main Street is classified as a major arterial in the City of Salinas General Plan. The surrounding land use includes fronting residential and retail areas. Speed data collected July 21, 2022 revealed the 85th percentile speed of 35 mph. The 10 mph pace ranges from 28 mph to 37 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds, the existing posted speed limit of 35 mph should be retained.

Decreased

2) Abbott Street between Harkins Road and Easternly City Limits – This segment of Abbott Street is classified as a major arterial in the City of Salinas General Plan. The surrounding land use includes general industrial and light industrial areas. Speed data collected March 4, 2022 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, 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.

Abbott Street currently displays different speed signs. The last speed survey certified a 45 mph speed limit on Abbott Street between Harkins Road and Easternly City Limits. There is a 55 mph speed limit at the end of the segment of Harkins Road and Easternly City Limits. 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 1.28-mile-long speed zone consistent with MUTCD guidelines. The 2022 E&TS report will supersede previous E&TS reports.

7) East Alisal Street between Front Street and Sanborn Road – This segment of East Alisal Street is classified as a major arterial in the City of Salinas General Plan. The surrounding land uses are residential/retail and commercial areas. Speed data collected March 4, 2022 revealed the 85th percentile speed of 28 mph. The 10 mph pace ranges from 19 mph to 28 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded up and reduced by 5 mph per MUTCD option 2, the existing posted speed limit of 30 mph should be reduced to 25 mph.

12) Bardin Road between East Alisal Street and Williams Road – This segment of Bardin Road is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes fronting residential homes, commercial areas, and a school. Speed data collected April 5, 2022 revealed the 85th percentile speed of 31 mph. The 10 mph pace ranges from 22 mph to 31 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded to the nearest 5 mph, the existing posted speed limit of

35 mph should be reduced to 30 mph.

13) Beacon Hill Drive between Constitution Boulevard and Constitution Boulevard – This segment of Beacon Hill Drive is classified as a residential street in the City of Salinas General Plan. The surrounding land use includes fronting residential homes and a school. Speed data collected March 29, 2022 revealed the 85th percentile speed of 29 mph. The 10 mph pace ranges from 20 mph to 29 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded up and reduced by 5 mph per MUTCD option 2, the existing posted speed limit of 30 mph should be reduced to 25 mph.

21) Central Avenue between Villa Street and South Davis Road – This segment of Central Avenue is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes fronting residential homes, a park, and a community college. Speed data collected March 29, 2022 revealed the 85th percentile speed of 29 mph. The 10 mph pace ranges from 18 mph to 27 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded up by 5 mph and reduced by 5 mph per MUTCD option 2, the existing posted speed limit of 30 mph should be reduced to 25 mph.

54) West Laurel Drive between North Davis Road and North Main Street – This segment of West Laurel Drive is classified as a major arterial in the City of Salinas General Plan. The surrounding land use includes a school, a park, fronting residential homes, retail, office, and business park areas. Speed data collected June 13, 2022 revealed the 85th percentile speed of 31 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, the 10 mph pace range, and the prevailing speeds rounded to the nearest 5 mph, the existing posted speed limit of 35 mph should be reduced to 30 mph.

Increased

46) South Sanborn Road/East Blanco Road between US 101 and City Limits – This segment of South Sanborn Road/East Blanco Road is classified as a major arterial in the City of Salinas General Plan. The surrounding land use includes general industrial and commercial areas. Speed data collected July 28, 2022 revealed the 85th percentile speed of 57 mph. The 10 mph pace ranges from 46 mph to 55 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded down and reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 45 mph should be increased to 50 mph.

55) Linwood Drive between East Laurel Drive and East Alvin Drive – This segment of Linwood Drive is classified as minor arterial in the City of Salinas General Plan. The surrounding land use includes a school and fronting residential homes. Speed data collected July 22, 2022 revealed the 85th percentile speed of 34 mph. The 10 mph pace ranges from 25 mph to 34 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded up and reduced by 5 mph per MUTCD option 2, the existing posted speed limit of 25 mph should be increased to 30 mph.

129) East Rossi Street between North Main Street and Sherwood Drive – This segment of Rossi Street is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes fronting residential area, retail, and some industrial area. Speed data collected July 25, 2022 revealed the 85th percentile speed of 36 mph. The 10 mph pace ranges from 27 mph to 36 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded down and reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 25 mph should be increased to 30 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	Existing Speed Limit (mph)	85 th -Percentile Speed (mph)			MUTCD Applied Reduction Option	Survey Expiration
				Measured	Rounded	Recommended		
1	Abbott Street	Front Street to South Sanborn Road/East Blanco Road	35	40	40	35	1	03/04/27
2	Abbott Street	Harkins Road to Easternly City Limits	*45/55	50	50	45	1	03/04/27
4	Adams Street	West Laurel Drive to Navajo Drive	25	28	30	25	2	04/29/27
6	Alisal Street, East	Sanborn Road to John Street/ Williams Road	30	34	35	30	2	02/24/27
7	Alisal Street, East	Front Street to Sanborn Road	30	28	30	25	2	03/04/27
8	Alisal Street, West	College Drive to West Blanco Road	35	37	35	35	1	03/02/27
9	Alvin Drive, East	North Main Street to Natividad Road	35	38	40	35	2	04/05/27
10	Alvin Drive, West	Cherokee Drive to North Main Street	35	39	40	35	2	03/22/27
12	Bardin Road	East Alisal Street to Williams Road	35	31	30	30	-	04/05/27
13	Beacon Hill Drive	Constitution Boulevard to Constitution Boulevard	30	29	30	25	2	03/29/27
15	Blanco Road, West	South Main Street to Westernly City Limits	45	50	50	45	1	04/26/27
17	Boronda Road, East	North Main Street to Natividad Road	45	47	45	45	-	07/18/27
18	Boronda Road, East	Natividad Road to Constitution Boulevard	45	44	45	45	-	04/29/27
20	Casentini Street	North Main Street to Rico Street	35	38	40	35	2	03/23/27
21	Central Avenue	Villa Street to South Davis Road	30	29	30	25	2	03/29/27
22	Central Avenue	Villa Street to Salinas Street	25	32	30	25	1	04/20/27
28	Constitution Boulevard	Independence Boulevard to East Laurel Drive	45	50	50	45	1	04/20/27
30	Davis Road, North	West Rossi Street to Larkin Street	45	46	45	45	-	07/26/27
31	Del Monte Avenue	Rider Avenue to Williams Road	25	30	30	25	1	06/01/27
32	Freedom Parkway	Constitution Boulevard to Williams Road	35	39	40	35	2	06/02/27
35	Harkins Road	Hansen Street/Schilling Place to Southerny City Limits	35	38	40	35	2	03/23/27
38	Iverson Street	Clay Street/Homestead Avenue to West Blanco Road	25	26	25	25	-	03/23/27
39	Market Street, East	North Sanborn Road to Williams Road	30	30	30	30	-	06/01/27
41	McKinnon Street	East Boronda Road to East Alvin Drive	35	35	35	35	-	07/11/27
43	Nantucket Boulevard	Independence Boulevard to Constitution Boulevard	35	40	40	35	1	07/18/27

46	Sanborn Road, South /Blanco Road, East	US 101 to City Limit	45	57	55	50	1	07/28/27
50	Iris Drive	North Main Street to Tyler Street	25	31	30	25	1	02/23/27
52	Laurel Drive, East	Natividad Road to North Sanborn Road	45	51	50	45	1	07/21/27
54	Laurel Drive, West	North Davis Road to North Main Street	35	31	30	30	-	06/13/27
55	Linwood Drive	East Laurel Drive to East Alvin Drive	25	34	35	30	2	07/22/27
56	Main Street, North	Laurel Drive to Bernal Drive	35	40	40	35	1	07/21/27
57	Main Street, North	Laurel Drive to Alvin Drive	35	38	40	35	2	07/11/27
62	Rossi Street, West	North Davis Road to North Main Street	40	41	40	40	-	05/03/27
77	Acacia Street, West	Iverson Street to West Alisal Street	25	29	30	25	2	03/02/27
78	Alisal Street, East	John Street/Williams Road to Bardin Road	35	41	40	35	1	03/04/27
85	Natividad Road	East Laurel Drive to East Boronda Road	40	43	45	40	2	07/18/27
89	Acacia Street, West	Iverson Street to South Main Street	25	31	30	25	1	02/23/27
90	Arcadia Way	Natividad Road to El Dorado Drive	25	30	30	25	1	05/03/27
91	El Dorado Drive	East Alvin Drive to East Boronda Road	25	28	30	25	2	03/29/27
102	Rider Avenue	Del Monte Avenue to Freedom Parkway	25	31	30	25	1	06/03/27
103	Rider Avenue	Del Monte Avenue to Gee Street	25	28	30	25	2	05/03/27
105	San Miguel Avenue	Pajaro Street to San Mateo Drive	25	30	30	25	1	02/23/27
128	Main Street, North	Alvin Drive to Boronda Road	35	35	35	35	-	07/21/27
129	Rossi Street, East	North Main Street to Sherwood Drive	25	36	35	30	1	07/25/27

*Inconsistent speed limit survey 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, 2019 to December 31, 2020. For this analysis, only collisions during the 2-year period between January 1, 2019 to December 31, 2020 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 2019 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 (2017, 2018, 2019) (Total per million vehicle miles)
2 and 3 lane	1.51
4+ lanes (undivided)	1.23
4+ lanes (divided)	1.25

Table 2: Collision Rate Summary

No.	STREET	SEGMENT	Existing Facility	Length (mi)	AADT	Collisions (2 years) (2019-2020)	Collision Rate (Acc./MVM)	Statewide Collision Rate (Acc./MVM)
1	Abbott Street	Front Street to South Sanborn Road/East Blanco Road	4+ lanes (undivided)	1.23	24,093	11	0.51	1.23
2	Abbott Street	Harkins Road to Easternly City Limits	4+ lanes (undivided)	1.28	9,983	1	0.11	1.23
4	Adams Street	West Laurel Drive to Navajo Drive	2 and 3 lane	0.55	7,914	8	2.52	1.51
6	Alisal Street, East	Sanborn Road to John Street/Williams Road	4+ lanes (undivided)	0.42	17,109	4	0.77	1.23
7	Alisal Street, East	Front Street to Sanborn Road	4+ lanes (divided/undivided)	1.21	16,459	40	2.75	1.23
8	Alisal Street, West	College Drive to West Blanco Road	2 and 3 lanes	0.64	8,814	7	1.69	1.23
9	Alvin Drive, East	North Main Street to Natividad Road	2 and 3 lanes	1.30	13,624	20	1.55	1.23
10	Alvin Drive, West	Cherokee Drive to North Main Street	4+ lanes (undivided)	0.38	7,256	3	1.50	1.23
12	Bardin Road	East Alisal Street to Williams Road	4+ lanes (undivided)	0.49	7,100	11	4.31	1.23
13	Beacon Hill Drive	Constitution Boulevard to Constitution Boulevard	2 and 3 lane	0.68	1,625	3	3.71	1.51
15	Blanco Road, West	South Main Street to Westernly City Limits	4+ lanes (divided)	0.90	17,580	12	1.04	1.25
17	Boronda Road, East	North Main Street to Natividad Road	2 and 3 lane	1.92	20,229	24	0.85	1.51
18	Boronda Road, East	Natividad Road to Constitution Boulevard	2 and 3 lane	1.52	16,563	12	0.66	1.51
20	Casentini Street	North Main Street to Rico Street	2 and 3 lane	0.45	5,244	5	2.93	1.51
21	Central Avenue	Villa Street to South Davis Road	2 and 3 lane	0.57	3,269	1	0.74	1.51
22	Central Avenue	Villa Street to Salinas Street	2 and 3 lane	0.61	3,197	4	2.83	1.51
28	Constitution Boulevard	Independence Boulevard to East Laurel Drive	4+ lanes (divided)	0.74	24,805	12	0.90	1.25
30	Davis Road, North	West Rossi Street to Larkin Street	4+ lanes (divided)	0.42	23,728	8	1.11	1.25
31	Del Monte Avenue	Rider Avenue to Williams Road	2 and 3 lane	0.89	7,264	18	3.81	1.51
32	Freedom Parkway	Constitution Boulevard to Williams Road	4+ lanes (divided)	1.29	8,535	18	2.24	1.25
35	Harkins Road	Hansen Street/Schilling Place to Southernlly City Limits	4+ lanes (undivided)	0.99	14,923	1	0.09	1.23
38	Iverson Street	Clay Street/Homestead Avenue to West Blanco Road	2 and 3 lane	0.70	3,823	0	0.00	1.51
39	Market Street, East	North Sanborn Road to Williams Road	2 and 3 lane	0.70	8,017	9	2.19	1.51
41	McKinnon Street	East Boronda Road to East Alvin Drive	2 and 3 lane	0.69	7,873	9	2.27	1.51
43	Nantucket Boulevard	Independence Boulevard to Constitution Boulevard	2 and 3 lane (divided)	0.99	2,784	2	0.99	1.51

46	Sanborn Road, South /Blanco Road, East	US 101 to City Limit	4+ lanes (divided)	1.34	20,629	7	0.35	1.25
50	Iris Drive	North Main Street to Tyler Street	2 and 3 lane	0.35	4,464	4	3.50	1.51
52	Laurel Drive, East	Natividad Road to North Sanborn Road	4+ lanes (divided)	1.38	31,739	10	0.31	1.25
54	Laurel Drive, West	North Davis Road to North Main Street	4+ lanes (undivided)	0.91	28,264	18	0.96	1.23
55	Linwood Drive	East Laurel Drive to East Alvin Drive	2 and 3 lane (divided/undivided)	0.62	5,285	5	2.11	1.51
56	Main Street, North	Laurel Drive to Bernal Drive	6+ lanes (divided)	0.64	23,057	14	1.29	1.23
57	Main Street, North	Laurel Drive to Alvin Drive	6+ lanes (divided)	0.60	21,972	28	2.93	1.23
62	Rossi Street, West	North Davis Road to North Main Street	2 and 3 lane	1.12	17,009	3	0.22	1.51
77	Acacia Street, West	Iverson Street to West Alisal Street	2 and 3 lane	0.47	4,287	0	0.00	1.51
78	Alisal Street, East	Williams Road to Bardin Road	2 and 3 lane	1.01	7,176	11	2.07	1.51
85	Natividad Road	East Laurel Drive to East Boronda Road	6+ lanes (divided)	1.59	21,820	17	0.67	1.25
89	Acacia Street, West	Iverson Street to South Main Street	2 and 3 lane	0.49	5,060	0	0.00	1.51
90	Arcadia Way	Natividad Road to El Dorado Drive	2 and 3 lane	0.55	4,292	5	2.91	1.51
91	El Dorado Drive	East Alvin Drive to East Boronda Road	2 and 3 lane	0.78	4,074	2	0.87	1.51
102	Rider Avenue	Del Monte Avenue to Freedom Parkway	2 and 3 lane	0.61	3,871	5	2.92	1.51
103	Rider Avenue	Del Monte Avenue to Gee Street	2 and 3 lane	0.44	3,498	4	3.60	1.51
105	San Miguel Avenue	Pajaro Street to San Mateo Drive	2 and 3 lane	0.72	1,696	3	3.37	1.51
128	Main Street, North	Alvin Drive to Boronda Road	6+ lanes (divided)	0.96	17,588	24	1.95	1.23
129	Rossi Street, East	North Main Street to Sherwood Drive	2 and 3 lane	0.22	10,495	0	0.00	1.51

APPENDIX A
ENGINEERING AND TRAFFIC SURVEYS

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

STREET: **ABBOTT STREET**
BETWEEN: **FRONT ST & S SANBORN RD/E BLANCO RD**
SURVEY DATE: **03/04/2022 (EXPIRES IN 2027)**

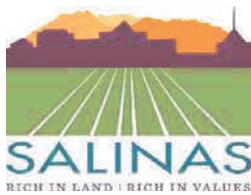
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COMMENTS:

This segment of Abbott Street is a major arterial. The surrounding land use includes industrial, commercial, and mix use areas. Speed data collected March 04, 2022 revealed the 85th percentile speed of 40 mph. The 10 mph pace ranges from 29 mph to 38 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds 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 6,500 Feet	
Vertical Alignment	Flat	
Street Width	Varies (80 to 105 Feet)	
No. Lanes and Median	4-Lane Major Arterial	
Proposed Speed Zone	35 MPH	
85th Percentile Speed	40 MPH	
Traffic Volume (Date)	24,093 (2019)	
Accident Data (2 years)	11 Collisions (2019-2020)	
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	0.51 Acc./MVM	

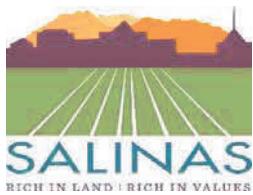


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Abbott Street			Direction: <u>SBD</u>	Comments: <u>No. 1</u>
Between:	Front Street and Sanborn Road / Blanco Road				
Survey Location:	Between East Romie Lane and Malarin Street				
Speed Limit:	35 MPH				
Date:	03/04/22			Day: <u>Friday</u>	
Hours:	From: <u>11:40</u>	To: <u>12:00</u>			
Weather:	Overcast				
Observer(s):	Emelio and Zach				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
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	0	0.00%	6.00%		
27	0	0.00%	6.00%		
28	0	0.00%	6.00%		
29	0	0.00%	6.00%		
30	1	2.00%	8.00%		
31	1	2.00%	10.00%		
32	4	8.00%	18.00%		
33	5	10.00%	28.00%		
34	3	6.00%	34.00%		
35	5	10.00%	44.00%		
36	7	14.00%	58.00%		
37	4	8.00%	66.00%		
38	4	8.00%	74.00%		
39	2	4.00%	78.00%		
40	2	4.00%	82.00%		
41	0	0.00%	82.00%		
42	3	6.00%	88.00%		
43	1	2.00%	90.00%		
44	3	6.00%	96.00%		
45	1	2.00%	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%			

Cumulative Frequency Distribution

Frequency Distribution

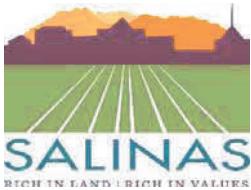


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Abbott Street			Direction: <u>NBD</u>	Comments: <u>No. 1</u>
Between:	<u>Front Street and Sanborn Road / Blanco Road</u>				
Survey Location:	<u>Between East Romie Lane and Malarin Street</u>				
Speed Limit:	<u>35 MPH</u>				
Date:	<u>03/04/22</u>		Day:	<u>Friday</u>	
Hours:	From: <u>1140</u>	To: <u>1200</u>			
Weather:	<u>Overcast</u>				
Observer(s):	<u>Emelio and Zach</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%	Time Mean Speed: <u>32.5 MPH</u>	
11	0	0.00%	0.00%	Sample Variance: <u>21.40</u>	
12	0	0.00%	0.00%	Standard Deviation: <u>4.6</u>	
13	0	0.00%	0.00%	Variance of the Mean: <u>0.4280</u>	
14	0	0.00%	0.00%	Standard Error of the Mean: <u>0.7</u>	
15	0	0.00%	0.00%	10 MPH Pace: <u>26 MPH</u>	
16	0	0.00%	0.00%	Percent in Pace: <u>72.0%</u>	
17	0	0.00%	0.00%	Vehicles in Pace: <u>36</u>	
18	0	0.00%	0.00%	50th Percentile Speed: <u>32 MPH</u>	
19	0	0.00%	0.00%	85th Percentile Speed: <u>38 MPH</u>	
20	0	0.00%	0.00%	90th Percentile Speed: <u>39 MPH</u>	
21	0	0.00%	0.00%	95th Percentile Speed: <u>40 MPH</u>	
22	0	0.00%	0.00%		
23	0	0.00%	0.00%		
24	1	2.00%	2.00%		
25	1	2.00%	4.00%		
26	2	4.00%	8.00%		
27	3	6.00%	14.00%		
28	3	6.00%	20.00%		
29	5	10.00%	30.00%		
30	7	14.00%	44.00%		
31	2	4.00%	48.00%		
32	1	2.00%	50.00%		
33	4	8.00%	58.00%		
34	5	10.00%	68.00%		
35	4	8.00%	76.00%		
36	1	2.00%	78.00%		
37	3	6.00%	84.00%		
38	1	2.00%	86.00%		
39	2	4.00%	90.00%		
40	3	6.00%	96.00%		
41	0	0.00%	96.00%		
42	2	4.00%	100.00%		
43	0	0.00%	100.00%		
44	0	0.00%	100.00%		
45	0	0.00%	100.00%		
46	0	0.00%	100.00%		
47	0	0.00%	100.00%		
48	0	0.00%	100.00%		
49	0	0.00%	100.00%		
50	0	0.00%	100.00%		
51	0	0.00%	100.00%		
52	0	0.00%	100.00%		
53	0	0.00%	100.00%		
54	0	0.00%	100.00%		
Totals:	50	100.00%			

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

<p>Street: <u>Abbott Street</u></p> <p>Between: <u>Front Street and Sanborn Road / Blanco Road</u></p> <p>Survey Location: <u>Between East Romie Lane and Malarin Street</u></p> <p>Speed Limit: <u>35 MPH</u></p> <p>Date: <u>03/04/22</u></p> <p>Hours: From: <u>1140</u></p> <p>Weather: <u>Overcast</u></p> <p>Observer(s): <u>Emelio and Zach</u></p>	<p>Direction: <u>SBD/NBD</u></p> <p>No. 1</p>	<p>Comments:</p>
<p>Data Analysis:</p> <p>Time Mean Speed: <u>34.3 MPH</u></p> <p>Sample Variance: <u>25.81</u></p> <p>Standard Deviation: <u>5.1</u></p> <p>Variance of the Mean: <u>0.2581</u></p> <p>Standard Error of the Mean: <u>0.5</u></p> <p>10 MPH Pace: <u>29</u> To: <u>38 MPH</u></p> <p>Percent in Pace: <u>67.0%</u></p> <p>Vehicles in Pace: <u>67</u></p> <p>50th Percentile Speed: <u>34 MPH</u></p> <p>85th Percentile Speed: <u>40 MPH</u></p> <p>90th Percentile Speed: <u>42 MPH</u></p> <p>95th Percentile Speed: <u>43 MPH</u></p>		
<p>Cumulative Frequency Distribution</p>		
<p>Frequency Distribution</p>		
<p>Totals: <u>100</u></p>	<p>100.00%</p>	

4

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE
1

LOCATION Abbott St blwn Front St + Sanborn Rd / Blanco RdDATE 3/4/2022 DAY FridayTIME 11:40 TO 12:00OBSERVER EmiCALCULATED BY ZachWEATHER overcast

Direction: Away 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	X			
45	X			
44	X X X			
43	X			
42	X X X			
41				
40	X X			
39	X X			
38	X X X X			
37	X X X X			
36	X X X X X X X			
35	X X X X X			
34	X X X			
33	X X X X X			
32	X X X X			
31	X			
30	X			
29				
28				
27				
26				
25	X X			
24	X			
23				
22				
21				
20				
19				
18				
17				
16				
15				
14				
13				
12				
11				
10				

||||| ||||| ||||| ||||| |||||

||||| ||||| ||||| ||||| |||||

Direction: Oncoming North				
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	X X			
41				
40	X X X			
39	X X			
38	X X			
37	X X X			
36	X X X X			
35	X X X X X			
34	X X X X			
33	X X X X X			
32	X X X			
31	X X			
30	X X X X X X X			
29	X X X X X			
28	X X X			
27	X X X			
26	X X X			
25	X			
24	X			
23				
22				
21				
20				
19				
18				
17				
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14				
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10				

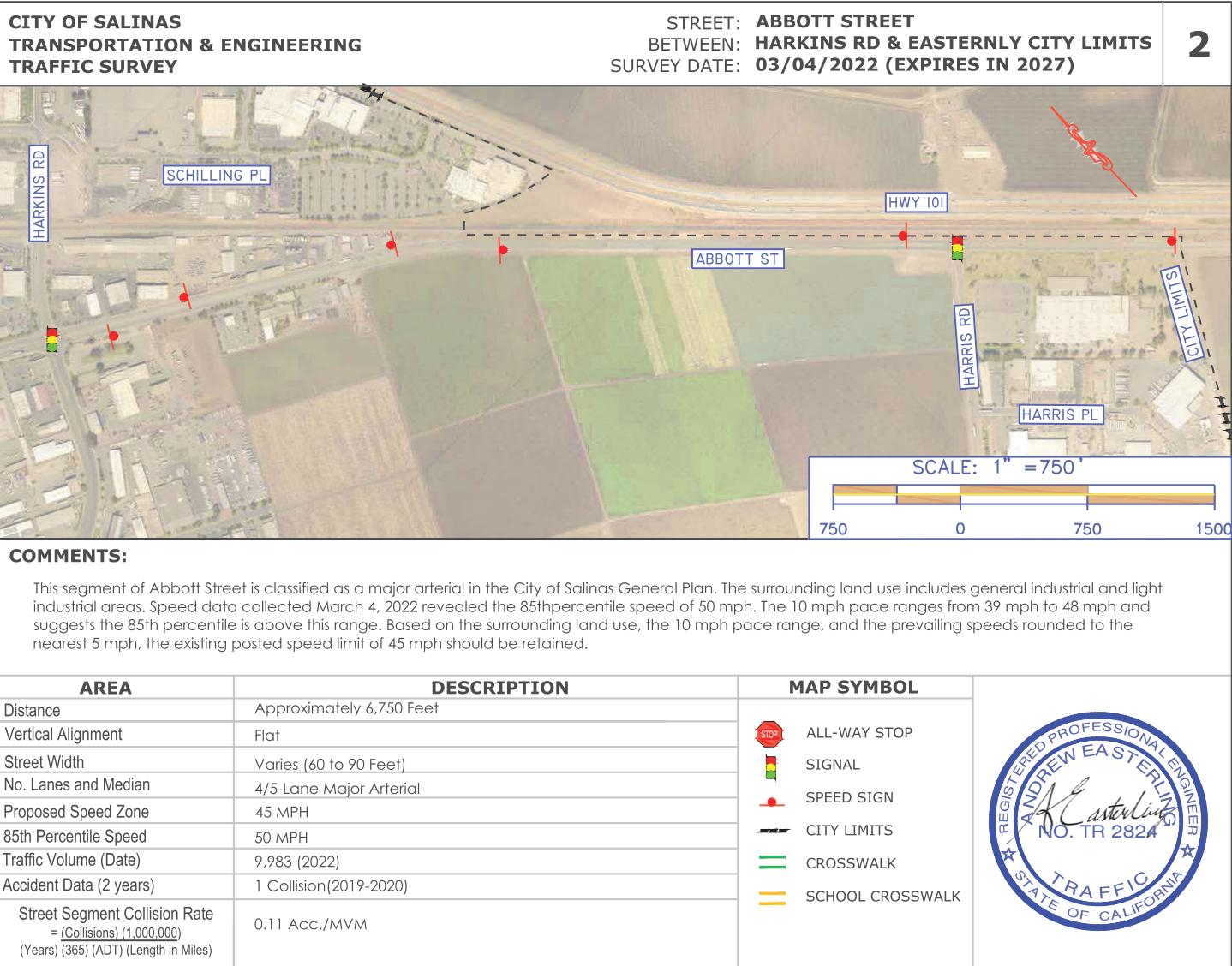
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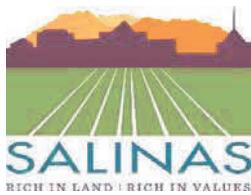
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Summary of Comments on Attachment 1 2022 Engineering and Traffic Survey for Speed Limits Technical Report.pdf

Page: 21

Number: 1	Author: jonathanh	Subject: Text Box	Date: 9/26/2022 2:15:33 PM
Number: 2	Author: jonathanh	Subject: Text Box	Date: 9/26/2022 2:15:03 PM
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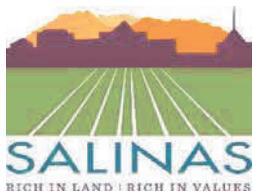


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Abbott Street			Direction: <u>SBD</u>	Comments: <u>No. 2</u>
Between:	<u>Harkins Road and City Limits</u>				
Survey Location:	<u>Between Harkins Road and City Limits</u>				
Speed Limit:	<u>45 MPH</u>				
Date:	<u>03/04/22</u>		Day:	<u>Friday</u>	
Hours:	From:	<u>12:04</u>	To:	<u>12:26</u>	
Weather:	<u>Overcast</u>				
Observer(s):	<u>Emelio and Zach</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
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	0	0.00%	2.00%		
26	0	0.00%	2.00%		
27	0	0.00%	2.00%		
28	0	0.00%	2.00%		
29	0	0.00%	2.00%		
30	1	2.00%	4.00%		
31	0	0.00%	4.00%		
32	0	0.00%	4.00%		
33	0	0.00%	4.00%		
34	2	4.00%	8.00%		
35	0	0.00%	8.00%		
36	2	4.00%	12.00%		
37	1	2.00%	14.00%		
38	1	2.00%	16.00%		
39	0	0.00%	16.00%		
40	6	12.00%	28.00%		
41	1	2.00%	30.00%		
42	1	2.00%	32.00%		
43	2	4.00%	36.00%		
44	2	4.00%	40.00%		
45	3	6.00%	46.00%		
46	4	8.00%	54.00%		
47	2	4.00%	58.00%		
48	5	10.00%	68.00%		
49	1	2.00%	70.00%		
50	6	12.00%	82.00%		
51	0	0.00%	82.00%		
52	2	4.00%	86.00%		
53	2	4.00%	90.00%		
54	2	4.00%	94.00%		
55	1	2.00%	96.00%		
56	0	0.00%	96.00%		
57	2	4.00%	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		0.00%	100.00%		
63	0	0.00%	100.00%		
64	0	0.00%	100.00%		
Totals:	50	100.00%			

Cumulative Frequency Distribution

Frequency Distribution

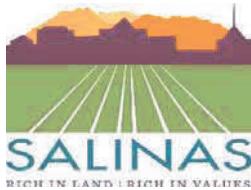


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Abbott Street			Direction: <u>NBD</u>	Comments: <u>No. 2</u>
Between:	<u>Harkins Road and City Limits</u>				
Survey Location:	<u>Between Harkins Road and City Limits</u>				
Speed Limit:	<u>45 MPH</u>				
Date:	<u>03/04/22</u>		Day:	<u>Friday</u>	
Hours:	From:	<u>12:04</u>	To:	<u>12:26</u>	
Weather:	<u>Overcast</u>				
Observer(s):	<u>Emelio and Zach</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
20	0	0.00%	0.00%		
21	0	0.00%	0.00%		
22	0	0.00%	0.00%		
23	2	4.00%	4.00%		
24	0	0.00%	4.00%		
25	1	2.00%	6.00%		
26	0	0.00%	6.00%		
27	0	0.00%	6.00%		
28	0	0.00%	6.00%		
29	0	0.00%	6.00%		
30	0	0.00%	6.00%		
31	0	0.00%	6.00%		
32	2	4.00%	10.00%		
33	3	6.00%	16.00%		
34	0	0.00%	16.00%		
35	2	4.00%	20.00%		
36	1	2.00%	22.00%		
37	0	0.00%	22.00%		
38	3	6.00%	28.00%		
39	1	2.00%	30.00%		
40	5	10.00%	40.00%		
41	0	0.00%	40.00%		
42	1	2.00%	42.00%		
43	2	4.00%	46.00%		
44	4	8.00%	54.00%		
45	2	4.00%	58.00%		
46	5	10.00%	68.00%		
47	4	8.00%	76.00%		
48	3	6.00%	82.00%		
49	0	0.00%	82.00%		
50	4	8.00%	90.00%		
51	0	0.00%	90.00%		
52	2	4.00%	94.00%		
53	0	0.00%	94.00%		
54	1	2.00%	96.00%		
55	1	2.00%	98.00%		
56	1	2.00%	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%			

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Abbott Street			Direction: <u>SBD/NBD</u>	Comments: <u>No. 2</u>
Between:	<u>Harkins Road and City Limits</u>				
Survey Location:	<u>Between Harkins Road and City Limits</u>				
Speed Limit:	<u>45 MPH</u>				
Date:	<u>03/04/22</u>		Day:	<u>Friday</u>	
Hours:	From: <u>12:04</u>	To: <u>12:26</u>			
Weather:	<u>Overcast</u>				
Observer(s):	<u>Emilio and Zach</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
20	<u>0</u>	0.00%	0.00%		
21	<u>0</u>	0.00%	0.00%		
22	<u>0</u>	0.00%	0.00%		
23	<u>2</u>	2.00%	2.00%		
24	<u>1</u>	1.00%	3.00%		
25	<u>1</u>	1.00%	4.00%		
26	<u>0</u>	0.00%	4.00%		
27	<u>0</u>	0.00%	4.00%		
28	<u>0</u>	0.00%	4.00%		
29	<u>0</u>	0.00%	4.00%		
30	<u>1</u>	1.00%	5.00%		
31	<u>0</u>	0.00%	5.00%		
32	<u>2</u>	2.00%	7.00%		
33	<u>3</u>	3.00%	10.00%		
34	<u>2</u>	2.00%	12.00%		
35	<u>2</u>	2.00%	14.00%		
36	<u>3</u>	3.00%	17.00%		
37	<u>1</u>	1.00%	18.00%		
38	<u>4</u>	4.00%	22.00%		
39	<u>1</u>	1.00%	23.00%		
40	<u>11</u>	11.00%	34.00%		
41	<u>1</u>	1.00%	35.00%		
42	<u>2</u>	2.00%	37.00%		
43	<u>4</u>	4.00%	41.00%		
44	<u>6</u>	6.00%	47.00%		
45	<u>5</u>	5.00%	52.00%		
46	<u>9</u>	9.00%	61.00%		
47	<u>6</u>	6.00%	67.00%		
48	<u>8</u>	8.00%	75.00%		
49	<u>1</u>	1.00%	76.00%		
50	<u>10</u>	10.00%	86.00%		
51	<u>0</u>	0.00%	86.00%		
52	<u>4</u>	4.00%	90.00%		
53	<u>2</u>	2.00%	92.00%		
54	<u>3</u>	3.00%	95.00%		
55	<u>2</u>	2.00%	97.00%		
56	<u>1</u>	1.00%	98.00%		
57	<u>2</u>	2.00%	100.00%		
58	<u>0</u>	0.00%	100.00%		
59	<u>0</u>	0.00%	100.00%		
60	<u>0</u>	0.00%	100.00%		
61	<u>0</u>	0.00%	100.00%		
62	<u>0</u>	0.00%	100.00%		
63	<u>0</u>	0.00%	100.00%		
64	<u>0</u>	0.00%	100.00%		
Totals:	100	100.00%			

Cumulative Frequency Distribution

Frequency Distribution

SITE CODE
2

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

LOCATION Abbott St. btwn Harkins Rd + City Limits

DATE 3/4/22 DAY Friday

TIME 12:04 TO 12:26

OBSERVER Emi

CALCULATED BY Zach

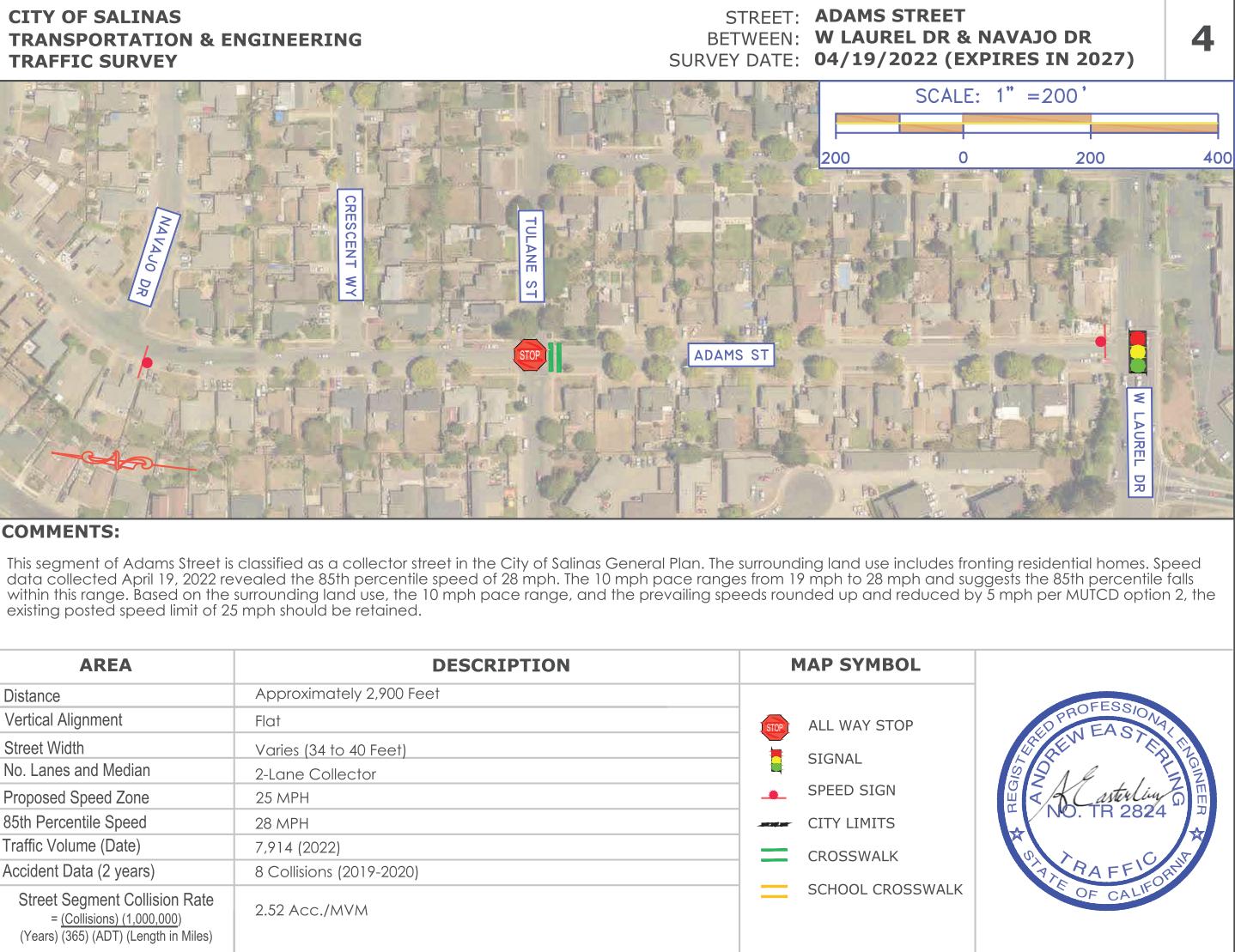
WEATHER overcast

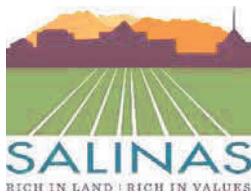
MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
66				
65				
64				
63				
62	X			
61				
60				
59				
58				
57	X X			
56				
55	X			
54	X X			
53	X X			
52	X X			
51				
50	X X X X X X			
49	X			
48	X X X X X			
47	X X			
46	X X X X			
45	X X X			
44	X X			
43	X X			
42	X			
41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

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

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CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Adams Street		Direction: <u>NBD</u>	Comments: No. 4
Between:	<u>Laurel Drive and Navajo Drive</u>			
Survey Location:	<u>Between Pueblo Street and Navajo Drive</u>			
Speed Limit:	<u>25 MPH</u>			
Date:	<u>04/19/22</u>	Day:	<u>Tuesday</u>	
Hours: From:	<u>12:00</u>	To:	<u>12:36</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Eva and Emi</u>			
MPH	Frequency	Percent	Cumulative %	Data Analysis:
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	1	2.00%	4.00%	
20	3	6.00%	10.00%	
21	6	12.00%	22.00%	
22	9	18.00%	40.00%	
23	3	6.00%	46.00%	
24	7	14.00%	60.00%	
25	2	4.00%	64.00%	
26	5	10.00%	74.00%	
27	2	4.00%	78.00%	
28	6	12.00%	90.00%	
29	1	2.00%	92.00%	
30	2	4.00%	96.00%	
31	1	2.00%	98.00%	
32	1	2.00%	100.00%	
33	0	0.00%	100.00%	
34	0	0.00%	100.00%	
35	0	0.00%	100.00%	
36	0	0.00%	100.00%	
37	0	0.00%	100.00%	
38	0	0.00%	100.00%	
39	0	0.00%	100.00%	
40	0	0.00%	100.00%	
41	0	0.00%	100.00%	
42	0	0.00%	100.00%	
43	0	0.00%	100.00%	
44	0	0.00%	100.00%	
45	0	0.00%	100.00%	
46	0	0.00%	100.00%	
47	0	0.00%	100.00%	
48	0	0.00%	100.00%	
49	0	0.00%	100.00%	
50	0	0.00%	100.00%	
51	0	0.00%	100.00%	
52	0	0.00%	100.00%	
53	0	0.00%	100.00%	
54	0	0.00%	100.00%	
Totals:	50	100.00%		

Time Mean Speed: 24.2 MPH

Sample Variance: 11.12

Standard Deviation: 3.3

Variance of the Mean: 0.2224

Standard Error of the Mean: 0.5

10 MPH Pace: 19 To: 28 MPH

Percent in Pace: 88.0%

Vehicles in Pace: 44

50th Percentile Speed: 24 MPH

85th Percentile Speed: 28 MPH

90th Percentile Speed: 28 MPH

95th Percentile Speed: 30 MPH

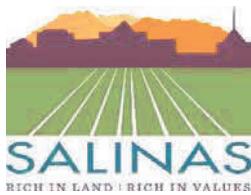
Cumulative Frequency Distribution

Cumulative Frequency Distribution

Frequency Distribution

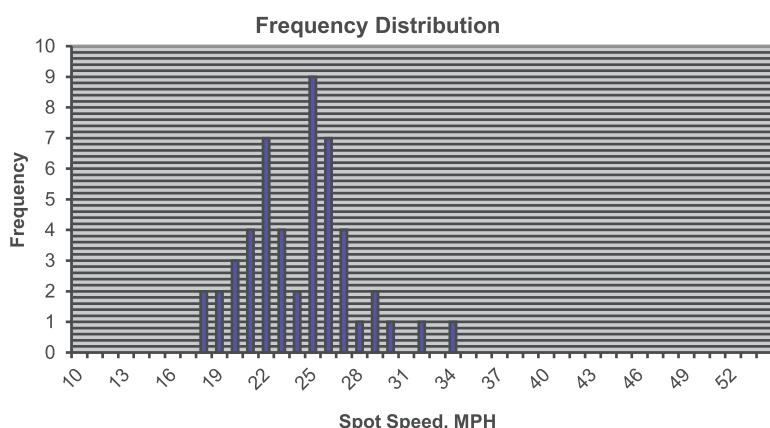
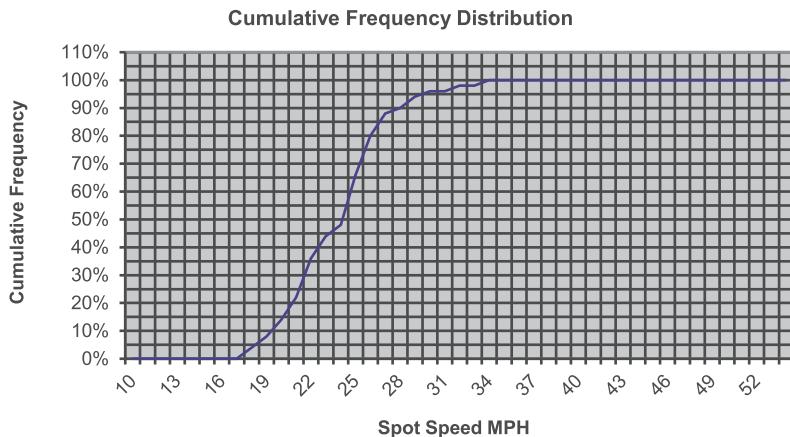
Frequency Distribution

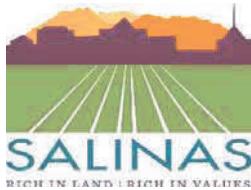
Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Adams Street		Direction: <u>SBD</u>	Comments: <u>No. 4</u>
Between:	<u>Laurel Drive and Navajo Drive</u>			
Survey Location:	<u>Between Pueblo Street and Navajo Drive</u>			
Speed Limit:	<u>25 MPH</u>			
Date:	<u>04/19/22</u>	Day:	<u>Tuesday</u>	
Hours: From:	<u>12:00</u>	To:	<u>12:36</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Eva and Emi</u>			
MPH	Frequency	Percent	Cumulative %	Data Analysis:
10	0	0.00%	0.00%	Time Mean Speed: <u>24.2</u> MPH Sample Variance: <u>11.74</u> Standard Deviation: <u>3.4</u> Variance of the Mean: <u>0.2348</u> Standard Error of the Mean: <u>0.5</u> 10 MPH Pace: <u>18</u> MPH To: <u>27</u> MPH Percent in Pace: <u>88.0%</u> Vehicles in Pace: <u>44</u> 50th Percentile Speed: <u>25</u> MPH 85th Percentile Speed: <u>27</u> MPH 90th Percentile Speed: <u>28</u> MPH 95th Percentile Speed: <u>30</u> MPH
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	2	4.00%	4.00%	
19	2	4.00%	8.00%	
20	3	6.00%	14.00%	
21	4	8.00%	22.00%	
22	7	14.00%	36.00%	
23	4	8.00%	44.00%	
24	2	4.00%	48.00%	
25	9	18.00%	66.00%	
26	7	14.00%	80.00%	
27	4	8.00%	88.00%	
28	1	2.00%	90.00%	
29	2	4.00%	94.00%	
30	1	2.00%	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%	
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:	Adams Street		Direction:	NBD/SBD	Comments: No. 4
Between:	Laurel Drive and Navajo Drive		Hours:	From: 12:00 To: 12:36	
Survey Location:	Between Pueblo Street and Navajo Drive				
Speed Limit:	25 MPH				
Date:	04/19/22		Day:	Tuesday	
Weather:	Sunny				
Observer(s):	Eva and Emi				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%	Time Mean Speed: 24.2 MPH	
11	0	0.00%	0.00%	Sample Variance: 11.32	
12	0	0.00%	0.00%	Standard Deviation: 3.4	
13	0	0.00%	0.00%	Variance of the Mean: 0.1132	
14	0	0.00%	0.00%	Standard Error of the Mean: 0.3	
15	0	0.00%	0.00%	10 MPH Pace: 19 MPH	
16	0	0.00%	0.00%	Percent in Pace: 87.0%	
17	0	0.00%	0.00%	Vehicles in Pace: 87	
18	3	3.00%	3.00%	50th Percentile Speed: 24 MPH	
19	3	3.00%	6.00%	85th Percentile Speed: 28 MPH	
20	6	6.00%	12.00%	90th Percentile Speed: 28 MPH	
21	10	10.00%	22.00%	95th Percentile Speed: 30 MPH	
22	16	16.00%	38.00%		
23	7	7.00%	45.00%		
24	9	9.00%	54.00%		
25	11	11.00%	65.00%		
26	12	12.00%	77.00%		
27	6	6.00%	83.00%		
28	7	7.00%	90.00%		
29	3	3.00%	93.00%		
30	3	3.00%	96.00%		
31	1	1.00%	97.00%		
32	2	2.00%	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%			

Cumulative Frequency Distribution

Frequency Distribution

SITE CODE
4

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

LOCATION Adams St btwn Laurel Dr + Inra Way

DATE 4/19/22 DAY Tuesday

TIME 12:06 TO 12:36

OBSERVER Eva CALCULATED BY E

WEATHER Sunny

Direction: <u>Away North</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				
42				
41				
40				
39				
38				
37				
36				
35				
34				
33				
32	X			
31	X			
30	X	X		
29	X			
28	X	X	X	X
27	X	X		
26	X	X	X	X
25	X	X		
24	X	X	X	X
23	X	X		
22	X	X	X	X
21	X	X	X	X
20	X	X	X	X
19	X			
18	X			
17				
16				
15				
14				
13				
12				
11				
10				

Direction: <u>Oncoming South</u>				
MPH	Number of Vehicles			
	5	10	15	20
70				
69				
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38				
37				
36				
35				
34	X			
33				
32	X			
31				
30	X			
29	X	X		
28	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			
18	X			
17				
16				
15				
14				
13				
12				
11				
10				

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

STREET: **EAST ALISAL STREET**
BETWEEN: **SANBORN RD & WILLIAMS RD/JOHN ST**
SURVEY DATE: **02/24/2022 (EXPIRES IN 2027)**

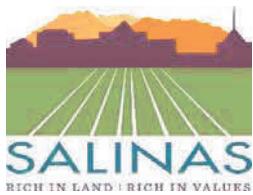
6



COMMENTS:

This segment of East Alisal Street is classified as a major arterial in the City of Salinas General Plan. The surrounding land use includes fronting residential homes, commercial areas, and a school. Speed data collected February 24, 2022 revealed the 85th percentile speed of 34 mph. The 10 mph pace ranges from 23 mph to 32 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded up and reduced by 5 mph per MUTCD option 2, the existing posted speed limit of 30 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 2,200 Feet		
Vertical Alignment	Flat		
Street Width	90 Feet		
No. Lanes and Median	5-Lane Major Arterial		
Proposed Speed Zone	30 MPH		
85th Percentile Speed	34 MPH		
Traffic Volume (Date)	17,109 (2021)		
Accident Data (2 years)	4 Collisions (2019-2020)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	0.42 Acc./MVM		



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	East Alisal Street			Direction: <u>EBD</u>	Comments: <u>No. 6</u>
Between:	<u>Sanborn Road and Williams Road</u>				
Survey Location:	<u>Between Eucalyptus Drive and Towt Street</u>				
Speed Limit:	<u>30 MPH</u>				
Date:	<u>02/24/22</u>		Day:	<u>Friday</u>	
Hours:	From:	<u>01:37</u>	To:	<u>02:00</u>	
Weather:	<u>Sunny</u>				
Observer(s):	<u>Emelio and Zach</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
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	3	6.00%	6.00%		
22	3	6.00%	12.00%		
23	3	6.00%	18.00%		
24	3	6.00%	24.00%		
25	4	8.00%	32.00%		
26	7	14.00%	46.00%		
27	3	6.00%	52.00%		
28	1	2.00%	54.00%		
29	6	12.00%	66.00%		
30	6	12.00%	78.00%		
31	2	4.00%	82.00%		
32	6	12.00%	94.00%		
33	0	0.00%	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	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%		
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%			

Time Mean Speed: 27.6 MPH

Sample Variance: 16.62

Standard Deviation: 4.1

Variance of the Mean: 0.3324

Standard Error of the Mean: 0.6

10 MPH Pace: 23 To: 32 MPH

Percent in Pace: 82.0%

Vehicles in Pace: 41

50th Percentile Speed: 27 MPH

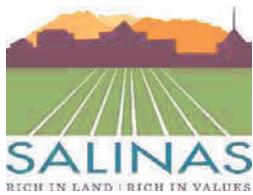
85th Percentile Speed: 32 MPH

90th Percentile Speed: 32 MPH

95th Percentile Speed: 35 MPH

Cumulative Frequency Distribution

Frequency Distribution

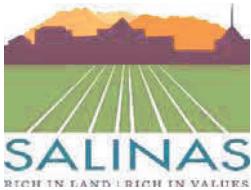


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	East Alisal Street			Direction: <u>WBD</u>	Comments: No. 6
Between:	Sanborn Road and Williams Road				
Survey Location:	Between Eucalyptus Drive and Towt Street				
Speed Limit:	30 MPH				
Date:	02/24/22			Day: <u>Friday</u>	
Hours:	From: <u>01:37</u>		To: <u>02:00</u>		
Weather:	Sunny				
Observer(s):	Emelio and Zach				
Data Analysis:					
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	0	0.00%	2.00%		
22	0	0.00%	2.00%		
23	0	0.00%	2.00%		
24	1	2.00%	4.00%		
25	2	4.00%	8.00%		
26	5	10.00%	18.00%		
27	7	14.00%	32.00%		
28	4	8.00%	40.00%		
29	3	6.00%	46.00%		
30	5	10.00%	56.00%		
31	1	2.00%	58.00%		
32	6	12.00%	70.00%		
33	2	4.00%	74.00%		
34	4	8.00%	82.00%		
35	4	8.00%	90.00%		
36	2	4.00%	94.00%		
37	2	4.00%	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%			

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	East Alisal Street			Direction: <u>EBD/WBD</u>		Comments: <u>No. 6</u>
Between:	<u>Sanborn Road and Williams Road</u>					
Survey Location:	<u>Between Eucalyptus Drive and Towt Street</u>					
Speed Limit:	<u>30 MPH</u>					
Date:	<u>02/24/22</u>		Day:	<u>Friday</u>		
Hours:	From: <u>01:37</u>		To:	<u>02:00</u>		
Weather:	<u>Sunny</u>					
Observer(s):	<u>Emelio and Zach</u>					
MPH	Frequency	Percent	Cumulative %	Data Analysis:		
10	<u>0</u>	0.00%	0.00%			
11	<u>0</u>	0.00%	0.00%			
12	<u>0</u>	0.00%	0.00%			
13	<u>0</u>	0.00%	0.00%			
14	<u>0</u>	0.00%	0.00%			
15	<u>0</u>	0.00%	0.00%			
16	<u>0</u>	0.00%	0.00%			
17	<u>0</u>	0.00%	0.00%			
18	<u>0</u>	0.00%	0.00%			
19	<u>0</u>	0.00%	0.00%			
20	<u>1</u>	1.00%	1.00%			
21	<u>3</u>	3.00%	4.00%			
22	<u>3</u>	3.00%	7.00%			
23	<u>3</u>	3.00%	10.00%			
24	<u>4</u>	4.00%	14.00%			
25	<u>6</u>	6.00%	20.00%			
26	<u>12</u>	12.00%	32.00%			
27	<u>10</u>	10.00%	42.00%			
28	<u>5</u>	5.00%	47.00%			
29	<u>9</u>	9.00%	56.00%			
30	<u>11</u>	11.00%	67.00%			
31	<u>3</u>	3.00%	70.00%			
32	<u>12</u>	12.00%	82.00%			
33	<u>2</u>	2.00%	84.00%			
34	<u>4</u>	4.00%	88.00%			
35	<u>5</u>	5.00%	93.00%			
36	<u>3</u>	3.00%	96.00%			
37	<u>2</u>	2.00%	98.00%			
38	<u>1</u>	1.00%	99.00%			
39	<u>1</u>	1.00%	100.00%			
40	<u>0</u>	0.00%	100.00%			
41	<u>0</u>	0.00%	100.00%			
42	<u>0</u>	0.00%	100.00%			
43	<u>0</u>	0.00%	100.00%			
44	<u>0</u>	0.00%	100.00%			
45	<u>0</u>	0.00%	100.00%			
46	<u>0</u>	0.00%	100.00%			
47	<u>0</u>	0.00%	100.00%			
48	<u>0</u>	0.00%	100.00%			
49	<u>0</u>	0.00%	100.00%			
50	<u>0</u>	0.00%	100.00%			
51	<u>0</u>	0.00%	100.00%			
52	<u>0</u>	0.00%	100.00%			
53	<u>0</u>	0.00%	100.00%			
54	<u>0</u>	0.00%	100.00%			
Totals:	100	100.00%				

Cumulative Frequency Distribution

Frequency Distribution

2 SITE CODE
6

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

LOCATION East Alisal St btwn Sanborn Rd + Williams Rd

DATE 4/24/22 DAY Friday

TIME 1:37 TO

OBSERVER Emi

CALCULATED BY Zach

WEATHER Sunny

Direction: <u>oncoming East</u>				
MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
66				
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64				
63				
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61				
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59				
58				
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41				
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39	X			
38				
37				
36	X			
35	X			
34				
33				
32	X X X X X			
31	X X			
30	X X X X X			
29	X X X X X			
28	X X X X			
27	X X X X			
26	X 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			
20				
19				
18				
17				
16				
15				
14				
13				
12				
11				
10				

Direction: <u>Away West</u>				
MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
66				
65				
64				
63				
62				
61				
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59				
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44				
43				
42				
41				
40				
39				
38				
37	X X			
36	X X			
35	X X X X			
34	X X X X			
33	X X			
32	X X X X X			
31	X X			
30	X X X X			
29	X X X X			
28	X X X X			
27	X X X X X			
26	X X X X X			
25	X X X X			
24	X			
23				
22				
21				
20	X			
19				
18				
17				
16				
15				
14				
13				
12				
11				
10				

III III III III III III III III

III III III III III III III III

 Number: 1 Author: jonathanh Subject: Text Box Date: 9/26/2022 2:16:42 PM

 Number: 2 Author: jonathanh Subject: Text Box Date: 9/26/2022 2:16:48 PM

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

STREET: **EAST ALISAL STREET**
BETWEEN: **FRONT ST & SANBORN RD**
SURVEY DATE: **03/04/2022 (EXPIRES IN 2027)**

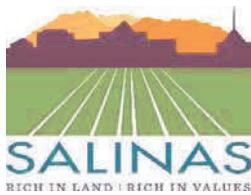
7



COMMENTS:

This segment of East Alisal Street is classified as a major arterial in the City of Salinas General Plan. The surrounding land uses are residential/retail and commercial areas. Speed data collected March 4, 2022 revealed the 85th percentile speed of 28 mph. The 10 mph pace ranges from 19 mph to 28 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded up and reduced by 5 mph per MUTCD option 2, the existing posted speed limit of 30 mph should be reduced to 25 mph.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 6,400 Feet		
Vertical Alignment	Flat		
Street Width	100 Feet		
No. Lanes and Median	5-Lane Major Arterial		
Proposed Speed Zone	25 MPH		
85th Percentile Speed	28 MPH		
Traffic Volume (Date)	16,459 (2019)		
Accident Data (2 years)	40 Collisions (2019-2020)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	2.75 Acc./MVM	 ALL WAY STOP  SIGNAL  SPEED SIGN  CITY LIMITS  CROSSWALK  SCHOOL CROSSWALK	

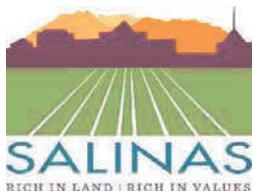


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	East Alisal Street			Direction: <u>EBD</u>	Comments: <u>No. 7</u>
Between:	<u>Front Street and Sanborn Road</u>				
Survey Location:	<u>Between Wood Street and Pearl Street</u>				
Speed Limit:	<u>30 MPH</u>				
Date:	<u>03/04/22</u>			Day: <u>Friday</u>	
Hours:	From: <u>12:42</u>		To: <u>01:00</u>		
Weather:	<u>Overcast</u>				
Observer(s):	<u>Emilio and Zach</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
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	2	4.00%	6.00%		
19	2	4.00%	10.00%		
20	5	10.00%	20.00%		
21	2	4.00%	24.00%		
22	5	10.00%	34.00%		
23	4	8.00%	42.00%		
24	8	16.00%	58.00%		
25	4	8.00%	66.00%		
26	7	14.00%	80.00%		
27	2	4.00%	84.00%		
28	1	2.00%	86.00%		
29	2	4.00%	90.00%		
30	1	2.00%	92.00%		
31	1	2.00%	94.00%		
32	2	4.00%	98.00%		
33	0	0.00%	98.00%		
34	0	0.00%	98.00%		
35	1	2.00%	100.00%		
36	0	0.00%	100.00%		
37	0	0.00%	100.00%		
38	0	0.00%	100.00%		
39	0	0.00%	100.00%		
40	0	0.00%	100.00%		
41	0	0.00%	100.00%		
42	0	0.00%	100.00%		
43	0	0.00%	100.00%		
44	0	0.00%	100.00%		
45	0	0.00%	100.00%		
46	0	0.00%	100.00%		
47	0	0.00%	100.00%		
48	0	0.00%	100.00%		
49	0	0.00%	100.00%		
50	0	0.00%	100.00%		
51	0	0.00%	100.00%		
52	0	0.00%	100.00%		
53	0	0.00%	100.00%		
54	0	0.00%	100.00%		
Totals:	50	100.00%			

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	East Alisal Street			Direction: <u>WBD</u>	Comments: No. 7
Between:	<u>Front Street and Sanborn Road</u>				
Survey Location:	<u>Between Wood Street and Pearl Street</u>				
Speed Limit:	<u>30 MPH</u>				
Date:	<u>03/04/22</u>			Day: <u>Friday</u>	
Hours:	From: <u>12:42</u>		To: <u>01:00</u>		
Weather:	<u>Overcast</u>				
Observer(s):	<u>Emelio and Zach</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
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	4	8.00%	12.00%		
20	6	12.00%	24.00%		
21	5	10.00%	34.00%		
22	2	4.00%	38.00%		
23	4	8.00%	46.00%		
24	5	10.00%	56.00%		
25	3	6.00%	62.00%		
26	3	6.00%	68.00%		
27	5	10.00%	78.00%		
28	6	12.00%	90.00%		
29	0	0.00%	90.00%		
30	3	6.00%	96.00%		
31	0	0.00%	96.00%		
32	1	2.00%	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	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%			

Time Mean Speed: 24.2 MPH

Sample Variance: 17.29

Standard Deviation: 4.2

Variance of the Mean: 0.3458

Standard Error of the Mean: 0.6

10 MPH Pace: 19 To: 28 MPH

Percent in Pace: 86.0%

Vehicles in Pace: 43

50th Percentile Speed: 24 MPH

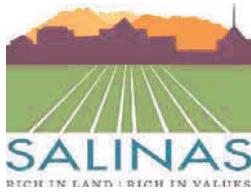
85th Percentile Speed: 28 MPH

90th Percentile Speed: 29 MPH

95th Percentile Speed: 30 MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	East Alisal Street			Direction: <u>EBD/WBD</u>	Comments: No. 7
Between:	<u>Front Street and Sanborn Road</u>				
Survey Location:	<u>Between Wood Street and Pearl Street</u>				
Speed Limit:	<u>30 MPH</u>				
Date:	<u>03/04/22</u>		Day:	<u>Friday</u>	
Hours:	From: <u>12:42</u>		To:	<u>01:00</u>	
Weather:	<u>Overcast</u>				
Observer(s):	<u>Emelio and Zach</u>				
Data Analysis:					
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	4	4.00%	5.00%		
19	6	6.00%	11.00%		
20	11	11.00%	22.00%		
21	7	7.00%	29.00%		
22	7	7.00%	36.00%		
23	8	8.00%	44.00%		
24	13	13.00%	57.00%		
25	7	7.00%	64.00%		
26	10	10.00%	74.00%		
27	7	7.00%	81.00%		
28	7	7.00%	88.00%		
29	2	2.00%	90.00%		
30	4	4.00%	94.00%		
31	1	1.00%	95.00%		
32	3	3.00%	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%			

Cumulative Frequency Distribution

Frequency Distribution

In front of
SwapmeetSITE CODE
7

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

LOCATION

East Alisal St btwn Front St + Sanborn Rd

DATE 3/4/22

DAY Friday

TIME 12:42

TO

OBSERVER Emi

CALCULATED BY Zach

WEATHER Overcast

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	X			
34				
33				
32	X X			
31	X			
30	X			
29	X X			
28	X			
27	X X			
26	X X X X X X			
25	X X X X			
24	X X X X X X X			
23	X X X X			
22	X X X X			
21	X X			
20	X X X X			
19	X X			
18	X X			
17	X			
16				
15				
14				
13				
12				
11				
10				

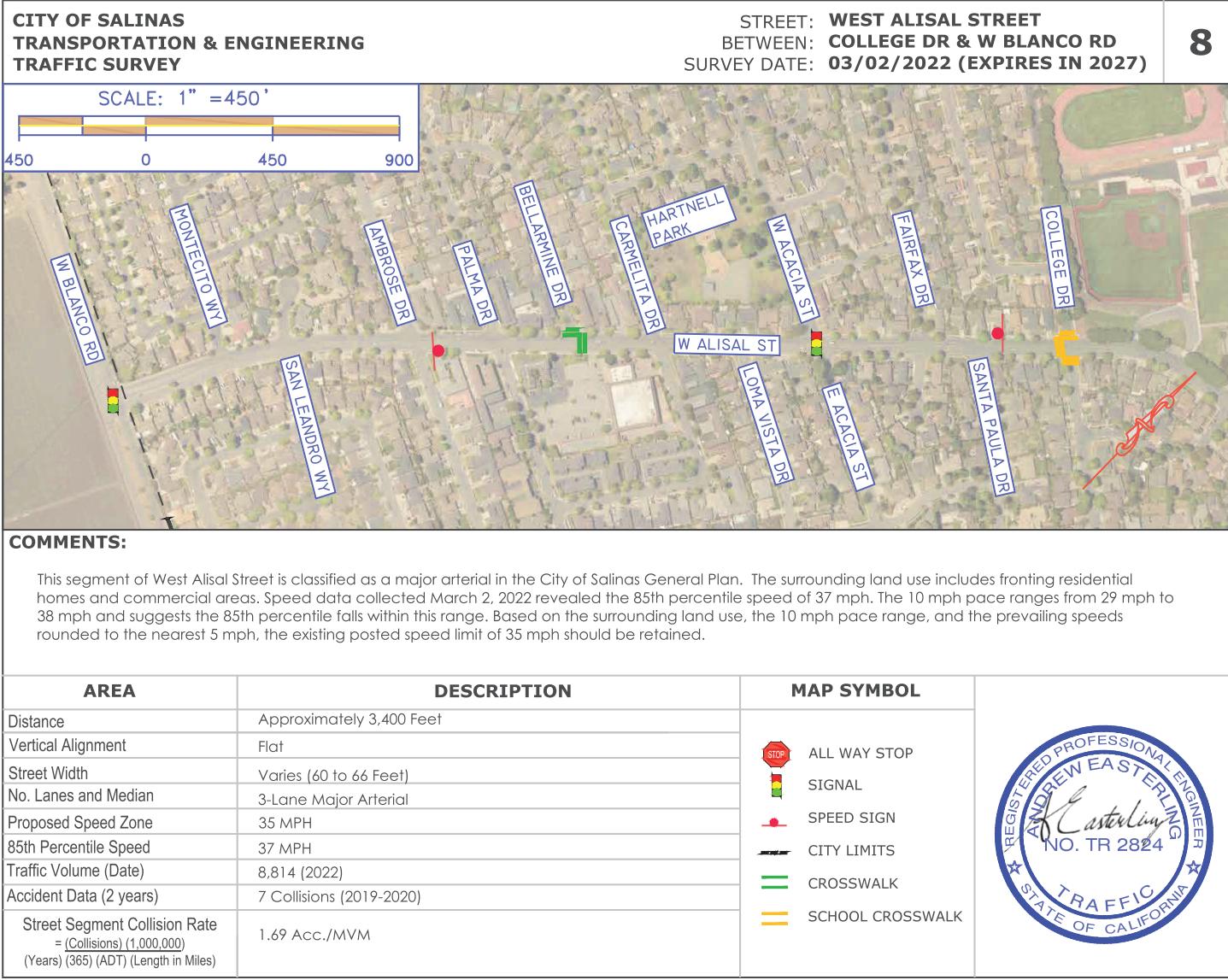
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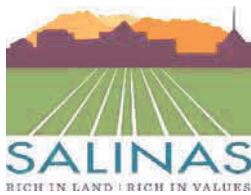
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MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
66				
65				
64				
63				
62				
61				
60				
59				
58				
57				
56				
55				
54				
53				
52				
51				
50				
49				
48				
47				
46				
45				
44				
43				
42				
41				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

||||| ||||| ||||| |||||

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CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

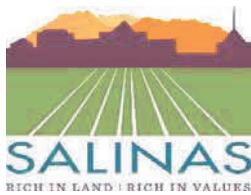
Street:	West Alisal Street			Direction: <u>WBD</u>		Comments: <u>No. 8</u>
Between:	College Drive and Blanco Drive					
Survey Location:	Between College Drive and West Acacia					
Speed Limit:	35 MPH					
Date:	03/02/22			Day:	Wednesday	
Hours:	From:	12:00		To:	12:40	
Weather:	Sunny					
Observer(s):	Emileo					
MPH	Frequency	Percent	Cumulative %	Data Analysis:		
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	1	2.00%	4.00%			
27	1	2.00%	6.00%			
28	3	6.00%	12.00%			
29	6	12.00%	24.00%			
30	4	8.00%	32.00%			
31	3	6.00%	38.00%			
32	7	14.00%	52.00%			
33	4	8.00%	60.00%			
34	5	10.00%	70.00%			
35	3	6.00%	76.00%			
36	4	8.00%	84.00%			
37	1	2.00%	86.00%			
38	2	4.00%	90.00%			
39	1	2.00%	92.00%			
40	2	4.00%	96.00%			
41	0	0.00%	96.00%			
42	2	4.00%	100.00%			
43	0	0.00%	100.00%			
44	0	0.00%	100.00%			
45	0	0.00%	100.00%			
46	0	0.00%	100.00%			
47	0	0.00%	100.00%			
48	0	0.00%	100.00%			
49	0	0.00%	100.00%			
50	0	0.00%	100.00%			
51	0	0.00%	100.00%			
52	0	0.00%	100.00%			
53	0	0.00%	100.00%			
54	0	0.00%	100.00%			
Totals:	50	100.00%				

Cumulative Frequency Distribution

Spot Speed MPH	Cumulative Frequency (%)
25	0
26	4
27	6
28	12
29	24
30	32
31	38
32	52
33	60
34	70
35	76
36	84
37	86
38	90
39	92
40	96
41	96
42	100
43	100
44	100
45	100
46	100
47	100
48	100
49	100
50	100
51	100
52	100

Frequency Distribution

Spot Speed MPH	Frequency
25	0
26	0
27	0
28	3
29	6
30	8
31	3
32	6
33	7
34	5
35	4
36	2
37	2
38	2
39	0
40	0
41	0
42	0
43	0
44	0
45	0
46	0
47	0
48	0
49	0
50	0
51	0
52	0

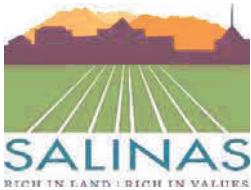


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	West Alisal Street			Direction: <u>EBD</u>		Comments: <u>No. 8</u>
Between:	College Drive and Blanco Drive					
Survey Location:	Between College Drive and West Acacia					
Speed Limit:	35 MPH					
Date:	03/02/22			Day: <u>Wednesday</u>		
Hours:	From: <u>12:00</u>		To: <u>12:40</u>			
Weather:	Sunny					
Observer(s):	Emileo					
MPH	Frequency	Percent	Cumulative %	Data Analysis:		
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	3	6.00%	8.00%			
30	7	14.00%	22.00%			
31	4	8.00%	30.00%			
32	6	12.00%	42.00%			
33	4	8.00%	50.00%			
34	5	10.00%	60.00%			
35	8	16.00%	76.00%			
36	3	6.00%	82.00%			
37	2	4.00%	86.00%			
38	3	6.00%	92.00%			
39	1	2.00%	94.00%			
40	3	6.00%	100.00%			
41	0	0.00%	100.00%			
42	0	0.00%	100.00%			
43	0	0.00%	100.00%			
44	0	0.00%	100.00%			
45	0	0.00%	100.00%			
46	0	0.00%	100.00%			
47	0	0.00%	100.00%			
48	0	0.00%	100.00%			
49	0	0.00%	100.00%			
50	0	0.00%	100.00%			
51	0	0.00%	100.00%			
52	0	0.00%	100.00%			
53	0	0.00%	100.00%			
54	0	0.00%	100.00%			
Totals:	50	100.00%				

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	West Alisal Street			Direction: <u>WBD/EBD</u>	Comments: <u>No. 8</u>
Between:	College Drive and Blanco Drive				
Survey Location:	Between College Drive and West Acacia				
Speed Limit:	35 MPH				
Date:	03/02/22			Day: <u>Wednesday</u>	
Hours: From:	12:00			To: <u>12:40</u>	
Weather:	Sunny				
Observer(s):	Emileo				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
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	1	1.00%	2.00%		
27	2	2.00%	4.00%		
28	3	3.00%	7.00%		
29	9	9.00%	16.00%		
30	11	11.00%	27.00%		
31	7	7.00%	34.00%		
32	13	13.00%	47.00%		
33	8	8.00%	55.00%		
34	10	10.00%	65.00%		
35	11	11.00%	76.00%		
36	7	7.00%	83.00%		
37	3	3.00%	86.00%		
38	5	5.00%	91.00%		
39	2	2.00%	93.00%		
40	5	5.00%	98.00%		
41	0	0.00%	98.00%		
42	2	2.00%	100.00%		
43	0	0.00%	100.00%		
44	0	0.00%	100.00%		
45	0	0.00%	100.00%		
46	0	0.00%	100.00%		
47	0	0.00%	100.00%		
48	0	0.00%	100.00%		
49	0	0.00%	100.00%		
50	0	0.00%	100.00%		
51	0	0.00%	100.00%		
52	0	0.00%	100.00%		
53	0	0.00%	100.00%		
54	0	0.00%	100.00%		
Totals:	100	100.00%			

Cumulative Frequency Distribution

Frequency Distribution

SITE CODE
8

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

LOCATION West Alisal St btwn College Dr + Blanro. RdDATE 3/2/2022 DAY Wed TIME 11:00 TO 12:40OBSERVER Emilio CALCULATED BY Emilio WEATHER Sunny

Direction: <u>Away West</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				
42	X X			
41				
40	X ✓			
39	X			
38	X ✓			
37	X			
36	X X X X			
35	X X X			
34	X X X X			
33	X X X X			
32	X X X X X X X X			
31	X X X			
30	X X X			
29	X X X X X X X X			
28	X X X			
27	X			
26	X			
25	X			
24				
23				
22				
21				
20				
19				
18				
17				
16				
15				
14				
13				
12				
11				
10				

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Direction: <u>Away East</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				
42				
41				
40	X X X			
39	X			
38	X X X			
37	X X			
36	X X X			
35	X X X X X X X X			
34	X X X X X			
33	X X X X			
32	X X X X X X X X			
31	X X X X			
30	X X X X X X X X			
29	X X X X			
28				
27	X			
26				
25				
24				
23				
22				
21				
20				
19				
18				
17				
16				
15				
14				
13				
12				
11				
10				

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3+mu Counter DR 2 W Hg, 9

Number: 1 Author: jonathanh Subject: Text Box Date: 9/26/2022 2:17:33 PM

Number: 2 Author: jonathanh Subject: Text Box Date: 9/26/2022 2:17:40 PM

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

STREET: **EAST ALVIN DRIVE**
BETWEEN: **N MAIN ST & NATIVIDAD RD**
SURVEY DATE: **04/05/2022 (EXPIRES IN 2027)**

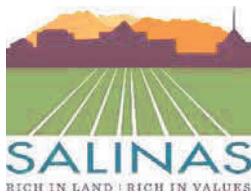
9



COMMENTS:

This segment of East Alvin Drive is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes fronting residential homes, schools, office buildings, and retail areas. Speed data collected April 5, 2022 revealed the 85th percentile speed of 38 mph. The 10 mph pace ranges from 28 mph to 37 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded up 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 6,850 Feet	
Vertical Alignment	Flat	
Street Width	64 FEET	
No. Lanes and Median	3+Lane Minor Arterial	
Proposed Speed Zone	35 MPH	
85th Percentile Speed	38 MPH	
Traffic Volume (Date)	13,624 (2019)	
Accident Data (2 years)	20 Collisions (2019-2020)	
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	1.55 Acc./MVM	

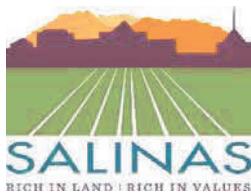


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	East Alvin Drive			Direction: <u>EBD</u>	Comments: No. 9
Between:	North Main Street and Natividad Road				
Survey Location:	Between Christensen Avenue and McKinnon Street				
Speed Limit:	35 MPH				
Date:	04/05/22			Day: <u>Tuesday</u>	
Hours:	From: <u>12:57</u>	To: <u>01:34</u>			
Weather:	Sunny				
Observer(s):	Emileo & Eva				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%	Time Mean Speed: <u>33.6</u> MPH	
11	0	0.00%	0.00%	Sample Variance: <u>28.11</u>	
12	0	0.00%	0.00%	Standard Deviation: <u>5.3</u>	
13	0	0.00%	0.00%	Variance of the Mean: <u>0.5622</u>	
14	0	0.00%	0.00%	Standard Error of the Mean: <u>0.7</u>	
15	0	0.00%	0.00%	10 MPH Pace: <u>27</u> To: <u>36</u> MPH	
16	0	0.00%	0.00%	Percent in Pace: <u>68.0%</u>	
17	0	0.00%	0.00%	Vehicles in Pace: <u>34</u>	
18	0	0.00%	0.00%	50th Percentile Speed: <u>33</u> MPH	
19	1	2.00%	2.00%	85th Percentile Speed: <u>39</u> MPH	
20	0	0.00%	2.00%	90th Percentile Speed: <u>40</u> MPH	
21	0	0.00%	2.00%	95th Percentile Speed: <u>43</u> MPH	
22	0	0.00%	2.00%		
23	0	0.00%	2.00%		
24	0	0.00%	2.00%		
25	1	2.00%	4.00%		
26	1	2.00%	6.00%		
27	1	2.00%	8.00%		
28	6	12.00%	20.00%		
29	2	4.00%	24.00%		
30	3	6.00%	30.00%		
31	0	0.00%	30.00%		
32	6	12.00%	42.00%		
33	4	8.00%	50.00%		
34	4	8.00%	58.00%		
35	2	4.00%	62.00%		
36	6	12.00%	74.00%		
37	1	2.00%	76.00%		
38	4	8.00%	84.00%		
39	2	4.00%	88.00%		
40	1	2.00%	90.00%		
41	1	2.00%	92.00%		
42	1	2.00%	94.00%		
43	1	2.00%	96.00%		
44	1	2.00%	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%			

Cumulative Frequency Distribution

Frequency Distribution

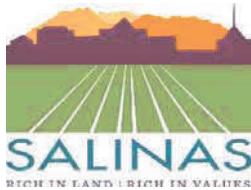


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	East Alvin Drive			Direction: <u>WBD</u>	Comments: <u>No. 9</u>
Between:	North Main Street and Natividad Road				
Survey Location:	Between Christensen Avenue and McKinnon Street				
Speed Limit:	35 MPH				
Date:	04/05/22			Day: <u>Tuesday</u>	
Hours:	From: <u>12:57</u>		To: <u>01:34</u>		
Weather:	Sunny				
Observer(s):	Emile & Eva				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%	Time Mean Speed: <u>31.8</u> MPH	
11	0	0.00%	0.00%	Sample Variance: <u>21.99</u>	
12	0	0.00%	0.00%	Standard Deviation: <u>4.7</u>	
13	0	0.00%	0.00%	Variance of the Mean: <u>0.4398</u>	
14	0	0.00%	0.00%	Standard Error of the Mean: <u>0.7</u>	
15	0	0.00%	0.00%	10 MPH Pace: <u>28</u> To: <u>37</u> MPH	
16	0	0.00%	0.00%	Percent in Pace: <u>72.0%</u>	
17	0	0.00%	0.00%	Vehicles in Pace: <u>36</u>	
18	0	0.00%	0.00%	50th Percentile Speed: <u>32</u> MPH	
19	0	0.00%	0.00%	85th Percentile Speed: <u>37</u> MPH	
20	0	0.00%	0.00%	90th Percentile Speed: <u>38</u> MPH	
21	0	0.00%	0.00%	95th Percentile Speed: <u>39</u> MPH	
22	2	4.00%	4.00%		
23	0	0.00%	4.00%		
24	3	6.00%	10.00%		
25	1	2.00%	12.00%		
26	2	4.00%	16.00%		
27	0	0.00%	16.00%		
28	4	8.00%	24.00%		
29	4	8.00%	32.00%		
30	3	6.00%	38.00%		
31	2	4.00%	42.00%		
32	5	10.00%	52.00%		
33	3	6.00%	58.00%		
34	6	12.00%	70.00%		
35	5	10.00%	80.00%		
36	2	4.00%	84.00%		
37	2	4.00%	88.00%		
38	2	4.00%	92.00%		
39	2	4.00%	96.00%		
40	2	4.00%	100.00%		
41	0	0.00%	100.00%		
42	0	0.00%	100.00%		
43	0	0.00%	100.00%		
44	0	0.00%	100.00%		
45	0	0.00%	100.00%		
46	0	0.00%	100.00%		
47	0	0.00%	100.00%		
48	0	0.00%	100.00%		
49	0	0.00%	100.00%		
50	0	0.00%	100.00%		
51	0	0.00%	100.00%		
52	0	0.00%	100.00%		
53	0	0.00%	100.00%		
54	0	0.00%	100.00%		
Totals:	50	100.00%			

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	East Alvin Drive			Direction: <u>EBD/WBD</u>	Comments: No. 9
Between:	North Main Street and Natividad Road				
Survey Location:	Between Christensen Avenue and McKinnon Street				
Speed Limit:	35 MPH				
Date:	04/05/22		Day:	Tuesday	
Hours:	From: 12:57		To:	01:34	
Weather:	Sunny				
Observer(s):	Emileo & Eva				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%	Time Mean Speed: <u>32.7</u> MPH	
11	0	0.00%	0.00%	Sample Variance: <u>25.63</u>	
12	0	0.00%	0.00%	Standard Deviation: <u>5.1</u>	
13	0	0.00%	0.00%	Variance of the Mean: <u>0.2563</u>	
14	0	0.00%	0.00%	Standard Error of the Mean: <u>0.5</u>	
15	0	0.00%	0.00%	10 MPH Pace: <u>28</u> To: <u>37</u> MPH	
16	0	0.00%	0.00%	Percent in Pace: <u>70.0%</u>	
17	0	0.00%	0.00%	Vehicles in Pace: <u>70</u>	
18	0	0.00%	0.00%	50th Percentile Speed: <u>33</u> MPH	
19	1	1.00%	1.00%	85th Percentile Speed: <u>38</u> MPH	
20	0	0.00%	1.00%	90th Percentile Speed: <u>39</u> MPH	
21	0	0.00%	1.00%	95th Percentile Speed: <u>40</u> MPH	
22	2	2.00%	3.00%		
23	0	0.00%	3.00%		
24	3	3.00%	6.00%		
25	2	2.00%	8.00%		
26	3	3.00%	11.00%		
27	1	1.00%	12.00%		
28	10	10.00%	22.00%		
29	6	6.00%	28.00%		
30	6	6.00%	34.00%		
31	2	2.00%	36.00%		
32	11	11.00%	47.00%		
33	7	7.00%	54.00%		
34	10	10.00%	64.00%		
35	7	7.00%	71.00%		
36	8	8.00%	79.00%		
37	3	3.00%	82.00%		
38	6	6.00%	88.00%		
39	4	4.00%	92.00%		
40	3	3.00%	95.00%		
41	1	1.00%	96.00%		
42	1	1.00%	97.00%		
43	1	1.00%	98.00%		
44	1	1.00%	99.00%		
45	0	0.00%	99.00%		
46	1	1.00%	100.00%		
47	0	0.00%	100.00%		
48	0	0.00%	100.00%		
49	0	0.00%	100.00%		
50	0	0.00%	100.00%		
51	0	0.00%	100.00%		
52	0	0.00%	100.00%		
53	0	0.00%	100.00%		
54	0	0.00%	100.00%		
Totals:	100	100.00%			

Cumulative Frequency Distribution

Frequency Distribution

SITE CODE
2 a

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

LOCATION East Alvin Dr btwn North Main St + Natividad Rd

DATE 4/5/2021 DAY Tuesday

TIME 12:57 TO 1:34

OBSERVER Emilio

CALCULATED BY Eva

WEATHER Sunny

3 Direction: Away 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				
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37				
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19				
18				
17				
16				
15				
14				
13				
12				
11				
10				

Direction: Coming 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				
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10				

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

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

≡ Number: 1 Author: jonathanh Subject: Text Box Date: 9/26/2022 2:18:22 PM

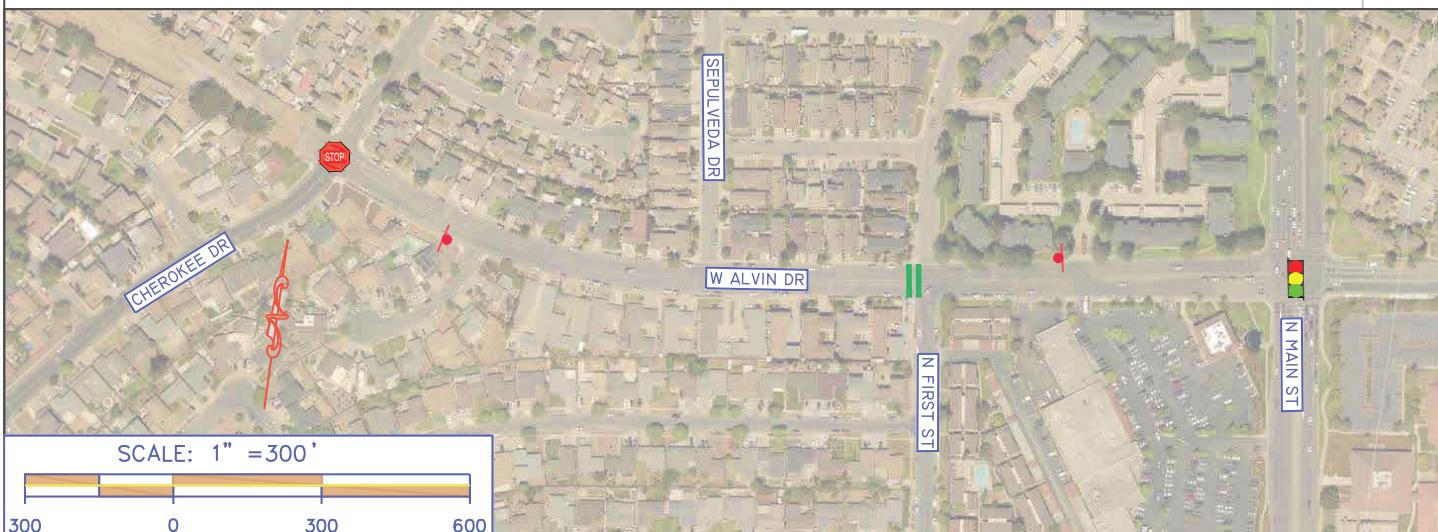
≡ Number: 2 Author: jonathanh Subject: Text Box Date: 9/26/2022 2:18:16 PM

≡ Number: 3 Author: jonathanh Subject: Text Box Date: 9/26/2022 2:38:03 PM

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

STREET: **WEST ALVIN DRIVE**
BETWEEN: **CHEROKEE DR & N MAIN ST**
SURVEY DATE: **03/22/2022 (EXPIRES IN 2027)**

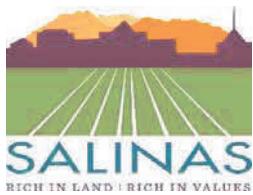
10



COMMENTS:

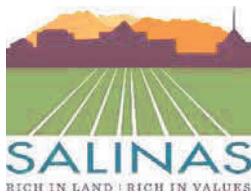
This segment of West Alvin Drive is classified as a major arterial in the City of Salinas General Plan. The surrounding land use includes fronting residential homes, and commercial areas. Speed data collected March 22, 2022 revealed the 85th percentile speed of 39 mph. The 10 mph pace ranges from 29 mph to 38 mph and suggests the 85th percentile falls above this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded up and reduced by 5 mph per MUTCD option 2, the existing posted speed limit of 35 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL
Distance	Approximately 2,000 Feet	
Vertical Alignment	Flat	
Street Width	64 Feet	
No. Lanes and Median	4-Lane Major Arterial	
Proposed Speed Zone	35 MPH	
85th Percentile Speed	39 MPH	
Traffic Volume (Date)	7,256 (2022)	
Accident Data (2 years)	3 Collisions (2019-2020)	
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	1.50 Acc./MVM	
		<p>REGISTERED PROFESSIONAL ENGINEER ANDREW EASTERLING NO. TR 2824 TRAFFIC STATE OF CALIFORNIA</p>



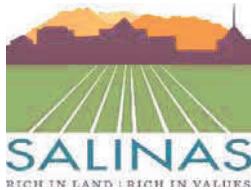
CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

<p>Street: <u>West Alvin Drive</u></p> <p>Between: <u>Cherokee Drive and North Main Street</u></p> <p>Survey Location: <u>Between Alvin Circle and Sepulveda Drive</u></p> <p>Speed Limit: <u>35 MPH</u></p> <p>Date: <u>03/22/22</u></p> <p>Hours: From: <u>01:00</u></p> <p>Weather: <u>Sunny</u></p> <p>Observer(s): <u>Emileo</u></p>	<p>Direction: <u>WBD</u></p> <p>Day: <u>Tuesday</u></p> <p>To: <u>01:40</u></p>	<p>Comments: <u>No. 10</u></p>
<p>Data Analysis:</p> <p>Time Mean Speed: <u>34.8 MPH</u></p> <p>Sample Variance: <u>25.46</u></p> <p>Standard Deviation: <u>5.0</u></p> <p>Variance of the Mean: <u>0.5092</u></p> <p>Standard Error of the Mean: <u>0.7</u></p> <p>10 MPH Pace: <u>32 MPH</u></p> <p>Percent in Pace: <u>68.0%</u></p> <p>Vehicles in Pace: <u>34</u></p> <p>50th Percentile Speed: <u>34 MPH</u></p> <p>85th Percentile Speed: <u>41 MPH</u></p> <p>90th Percentile Speed: <u>41 MPH</u></p> <p>95th Percentile Speed: <u>43 MPH</u></p>		
<p>Cumulative Frequency Distribution</p>		
<p>Frequency Distribution</p>		



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

<p>Street: <u>West Alvin Drive</u></p> <p>Between: <u>Cherokee Drive and North Main Street</u></p> <p>Survey Location: <u>Between Alvin Circle and Sepulveda Drive</u></p> <p>Speed Limit: <u>35 MPH</u></p> <p>Date: <u>03/22/22</u></p> <p>Hours: From: <u>01:00</u></p> <p>Weather: <u>Sunny</u></p> <p>Observer(s): <u>Emileo</u></p>	<p>Direction: <u>EBD</u></p> <p>Day: <u>Tuesday</u></p> <p>To: <u>01:40</u></p>	<p>Comments: <u>No. 10</u></p>
<p>Data Analysis:</p> <p>Time Mean Speed: <u>32.2</u> MPH</p> <p>Sample Variance: <u>25.33</u></p> <p>Standard Deviation: <u>5.0</u></p> <p>Variance of the Mean: <u>0.5066</u></p> <p>Standard Error of the Mean: <u>0.7</u></p> <p>10 MPH Pace: <u>29</u> To: <u>38</u> MPH</p> <p>Percent in Pace: <u>70.0%</u></p> <p>Vehicles in Pace: <u>35</u></p> <p>50th Percentile Speed: <u>33</u> MPH</p> <p>85th Percentile Speed: <u>38</u> MPH</p> <p>90th Percentile Speed: <u>38</u> MPH</p> <p>95th Percentile Speed: <u>39</u> MPH</p>		
<p>Cumulative Frequency Distribution</p>		
<p>Frequency Distribution</p>		



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	West Alvin Drive			Direction: <u>WBD/EBD</u>	Comments: <u>No. 10</u>
Between:	Cherokee Drive and North Main Street				
Survey Location:	Between Alvin Circle and Sepulveda Drive				
Speed Limit:	35 MPH				
Date:	03/22/22			Day: <u>Tuesday</u>	
Hours:	From: <u>01:00</u>		To: <u>01:40</u>		
Weather:	Sunny				
Observer(s):	Emileo				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
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	2	2.00%	3.00%		
22	0	0.00%	3.00%		
23	0	0.00%	3.00%		
24	1	1.00%	4.00%		
25	1	1.00%	5.00%		
26	4	4.00%	9.00%		
27	3	3.00%	12.00%		
28	4	4.00%	16.00%		
29	5	5.00%	21.00%		
30	6	6.00%	27.00%		
31	7	7.00%	34.00%		
32	5	5.00%	39.00%		
33	11	11.00%	50.00%		
34	8	8.00%	58.00%		
35	6	6.00%	64.00%		
36	7	7.00%	71.00%		
37	5	5.00%	76.00%		
38	8	8.00%	84.00%		
39	4	4.00%	88.00%		
40	2	2.00%	90.00%		
41	5	5.00%	95.00%		
42	1	1.00%	96.00%		
43	2	2.00%	98.00%		
44	1	1.00%	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%			

Cumulative Frequency Distribution

Frequency Distribution

SITE CODE
10

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

LOCATION West Alvin Dr btwn Cherokee Dr + North Main StDATE 3/22/23 DAY Tuesday TIME 1:10 TO 1:40OBSERVER Emilio CALCULATED BY Emilio WEATHER Sunny

2

Direction: <u>Oncoming West</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	X			
44	X			
43	X			
42	X			
41	X X X X			
40	X X			
39	X X			
38	X X X X			
37	X X			
36	X X X X			
35	X X X			
34	X X X X			
33	X X X X X X			
32	X X X			
31	X X X			
30	X X			
29	X X			
28	X X			
27				
26	X X			
25				
24				
23				
22				
21	X			
20				
19				
18				
17				
16				
15				
14				
13				
12				
11				
10				

||||| ||||| ||||| |||||
||||| ||||| ||||| |||||

Direction: <u>Away East</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	X			
42				
41	X X			
40				
39	X X			
38	X X X X			
37	X X			
36	X X X			
35	X X X			
34	X X X X			
33	X X X X X X			
32	X X			
31	X X X			
30	X X X X			
29	X X X			
28	X X			
27	X X X			
26	X X			
25	X			
24	X			
23				
22				
21	X			
20				
19	X			
18				
17				
16				
15				
14				
13				
12				
11				
10				

||||| ||||| ||||| |||||
||||| ||||| ||||| |||||

Page: 56

Number: 1 Author: jonathanh Subject: Text Box Date: 9/26/2022 2:19:19 PM

Number: 2 Author: jonathanh Subject: Text Box Date: 9/26/2022 2:19:34 PM

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

STREET: **BARDIN ROAD**
BETWEEN: **E ALISAL ST & WILLIAMS RD**
SURVEY DATE: **04/05/2022 (EXPIRES IN 2027)**

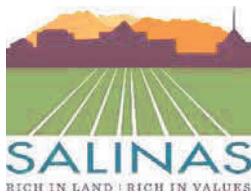
12



COMMENTS:

This segment of Bardin Road is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes fronting residential homes, commercial areas, and a school. Speed data collected April 5, 2022 revealed the 85th percentile speed of 31 mph. The 10 mph pace ranges from 22 mph to 31 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded to the nearest 5 mph, the existing posted speed limit of 35 mph should be reduced to 30 mph.

AREA	DESCRIPTION	MAP SYMBOL
Distance	Approximately 2,600 Feet	
Vertical Alignment	Flat	
Street Width	70 Feet	
No. Lanes and Median	4-Lane Minor Arterial	
Proposed Speed Zone	30 MPH	
85th Percentile Speed	31 MPH	
Traffic Volume (Date)	7,100 (2022)	
Accident Data (2 years)	3 Collisions (2019-2020)	
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	4.31 Acc./MVM	
		<p>REGISTERED PROFESSIONAL ENGINEER ANDREW EASTERLING NO. TR 2824 TRAFFIC STATE OF CALIFORNIA</p>



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Bardin Road			Direction: <u>SBD</u>	Comments: <u>No. 12</u>
Between:	<u>East Alisal Street and Williams Road</u>				
Survey Location:	<u>Between Dennis Avenue and Toro Avenue</u>				
Speed Limit:	<u>35 MPH</u>				
Date:	<u>04/05/22</u>		Day:	<u>Tuesday</u>	
Hours:	From: <u>03:16</u>	To: <u>03:50</u>			
Weather:	<u>Sunny</u>				
Observer(s):	<u>Emileo and Eva</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%		
11	0	0.00%	0.00%		
12	2	4.00%	4.00%		
13	1	2.00%	6.00%		
14	1	2.00%	8.00%		
15	0	0.00%	8.00%		
16	1	2.00%	10.00%		
17	1	2.00%	12.00%		
18	0	0.00%	12.00%		
19	0	0.00%	12.00%		
20	0	0.00%	12.00%		
21	1	2.00%	14.00%		
22	1	2.00%	16.00%		
23	3	6.00%	22.00%		
24	2	4.00%	26.00%		
25	3	6.00%	32.00%		
26	2	4.00%	36.00%		
27	5	10.00%	46.00%		
28	3	6.00%	52.00%		
29	7	14.00%	66.00%		
30	5	10.00%	76.00%		
31	2	4.00%	80.00%		
32	2	4.00%	84.00%		
33	2	4.00%	88.00%		
34	2	4.00%	92.00%		
35	0	0.00%	92.00%		
36	1	2.00%	94.00%		
37	1	2.00%	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%			

Time Mean Speed: 27.0 MPH

Sample Variance: 39.35

Standard Deviation: 6.3

Variance of the Mean: 0.7870

Standard Error of the Mean: 0.9

10 MPH Pace: 23 To: 32 MPH

Percent in Pace: 68.0%

Vehicles in Pace: 34

50th Percentile Speed: 28 MPH

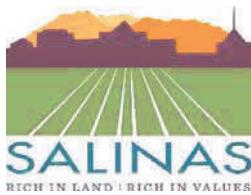
85th Percentile Speed: 33 MPH

90th Percentile Speed: 34 MPH

95th Percentile Speed: 37 MPH

Cumulative Frequency Distribution

Frequency Distribution

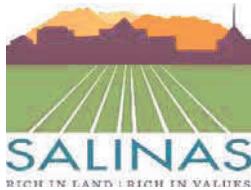


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Bardin Road			Direction: <u>NBD</u>	Comments: <u>No. 12</u>
Between:	<u>East Alisal Street and Williams Road</u>				
Survey Location:	<u>Between Dennis Avenue and Toro Avenue</u>				
Speed Limit:	<u>35 MPH</u>				
Date:	<u>04/05/22</u>		Day:	<u>Tuesday</u>	
Hours:	From:	<u>03:16</u>	To:	<u>03:50</u>	
Weather:	<u>Sunny</u>				
Observer(s):	<u>Emileo and Eva</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	<u>0</u>	0.00%	0.00%		
11	<u>1</u>	2.00%	2.00%		
12	<u>1</u>	2.00%	4.00%		
13	<u>0</u>	0.00%	4.00%		
14	<u>0</u>	0.00%	4.00%		
15	<u>1</u>	2.00%	6.00%		
16	<u>2</u>	4.00%	10.00%		
17	<u>1</u>	2.00%	12.00%		
18	<u>0</u>	0.00%	12.00%		
19	<u>0</u>	0.00%	12.00%		
20	<u>0</u>	0.00%	12.00%		
21	<u>0</u>	0.00%	12.00%		
22	<u>4</u>	8.00%	20.00%		
23	<u>3</u>	6.00%	26.00%		
24	<u>3</u>	6.00%	32.00%		
25	<u>4</u>	8.00%	40.00%		
26	<u>4</u>	8.00%	48.00%		
27	<u>1</u>	2.00%	50.00%		
28	<u>7</u>	14.00%	64.00%		
29	<u>4</u>	8.00%	72.00%		
30	<u>8</u>	16.00%	88.00%		
31	<u>3</u>	6.00%	94.00%		
32	<u>3</u>	6.00%	100.00%		
33	<u>0</u>	0.00%	100.00%		
34	<u>0</u>	0.00%	100.00%		
35	<u>0</u>	0.00%	100.00%		
36	<u>0</u>	0.00%	100.00%		
37	<u>0</u>	0.00%	100.00%		
38	<u>0</u>	0.00%	100.00%		
39	<u>0</u>	0.00%	100.00%		
40	<u>0</u>	0.00%	100.00%		
41	<u>0</u>	0.00%	100.00%		
42	<u>0</u>	0.00%	100.00%		
43	<u>0</u>	0.00%	100.00%		
44	<u>0</u>	0.00%	100.00%		
45	<u>0</u>	0.00%	100.00%		
46	<u>0</u>	0.00%	100.00%		
47	<u>0</u>	0.00%	100.00%		
48	<u>0</u>	0.00%	100.00%		
49	<u>0</u>	0.00%	100.00%		
50	<u>0</u>	0.00%	100.00%		
51	<u>0</u>	0.00%	100.00%		
52	<u>0</u>	0.00%	100.00%		
53	<u>0</u>	0.00%	100.00%		
54	<u>0</u>	0.00%	100.00%		
Totals:	50	100.00%			

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Bardin Road			Direction: <u>SBD/NBD</u>	Comments: <u>No. 12</u>
Between:	<u>East Alisal Street and Williams Road</u>				
Survey Location:	<u>Between Dennis Avenue and Toro Avenue</u>				
Speed Limit:	<u>35 MPH</u>				
Date:	<u>04/05/22</u>		Day:	<u>Tuesday</u>	
Hours:	From:	<u>03:16</u>	To:	<u>03:50</u>	
Weather:	<u>Sunny</u>				
Observer(s):	<u>Emileo and Eva</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	<u>0</u>	0.00%	0.00%		
11	<u>1</u>	1.00%	1.00%		
12	<u>3</u>	3.00%	4.00%		
13	<u>1</u>	1.00%	5.00%		
14	<u>1</u>	1.00%	6.00%		
15	<u>1</u>	1.00%	7.00%		
16	<u>3</u>	3.00%	10.00%		
17	<u>2</u>	2.00%	12.00%		
18	<u>0</u>	0.00%	12.00%		
19	<u>0</u>	0.00%	12.00%		
20	<u>0</u>	0.00%	12.00%		
21	<u>1</u>	1.00%	13.00%		
22	<u>5</u>	5.00%	18.00%		
23	<u>6</u>	6.00%	24.00%		
24	<u>5</u>	5.00%	29.00%		
25	<u>7</u>	7.00%	36.00%		
26	<u>6</u>	6.00%	42.00%		
27	<u>6</u>	6.00%	48.00%		
28	<u>10</u>	10.00%	58.00%		
29	<u>11</u>	11.00%	69.00%		
30	<u>13</u>	13.00%	82.00%		
31	<u>5</u>	5.00%	87.00%		
32	<u>5</u>	5.00%	92.00%		
33	<u>2</u>	2.00%	94.00%		
34	<u>2</u>	2.00%	96.00%		
35	<u>0</u>	0.00%	96.00%		
36	<u>1</u>	1.00%	97.00%		
37	<u>1</u>	1.00%	98.00%		
38	<u>2</u>	2.00%	100.00%		
39	<u>0</u>	0.00%	100.00%		
40	<u>0</u>	0.00%	100.00%		
41	<u>0</u>	0.00%	100.00%		
42	<u>0</u>	0.00%	100.00%		
43	<u>0</u>	0.00%	100.00%		
44	<u>0</u>	0.00%	100.00%		
45	<u>0</u>	0.00%	100.00%		
46	<u>0</u>	0.00%	100.00%		
47	<u>0</u>	0.00%	100.00%		
48	<u>0</u>	0.00%	100.00%		
49	<u>0</u>	0.00%	100.00%		
50	<u>0</u>	0.00%	100.00%		
51	<u>0</u>	0.00%	100.00%		
52	<u>0</u>	0.00%	100.00%		
53	<u>0</u>	0.00%	100.00%		
54	<u>0</u>	0.00%	100.00%		
Totals:	100	100.00%			

Cumulative Frequency Distribution

Frequency Distribution

SITE CODE
12

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

LOCATION Bardin Rd blun East Alisal St + Williams RdDATE 4/5/2021 DAY Tuesday TIME 3:16 TO 3:50OBSERVER Anny Southbound CALCULATED BY Eva WEATHER Sunny

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

||||| ||||| ||||| ||||| |||||

||||| ||||| ||||| ||||| |||||

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

||||| ||||| ||||| ||||| |||||

||||| ||||| ||||| ||||| |||||

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

**STREET: BEACON HILL DRIVE
BETWEEN: CONSTITUTION BLVD & CONSTITUTION BLVD
SURVEY DATE 03/29/2022 (EXPIRES IN 2027)**

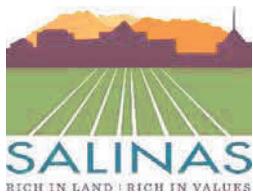
13



COMMENTS:

This segment of Beacon Hill Drive is classified as a residential street in the City of Salinas General Plan. The surrounding land use includes fronting residential homes and a school. Speed data collected March 29, 2022 revealed the 85th percentile speed of 29 mph. The 10 mph pace ranges from 20 mph to 29 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded up and reduced by 5 mph per MUTCD option 2, the existing posted speed limit of 30 mph should be reduced to 25 mph.

AREA	DESCRIPTION	MAP SYMBOL
Distance	Approximately 3,600 Feet	
Vertical Alignment	Flat	
Street Width	44 Feet	
No. Lanes and Median	2-Lane Residential	
Proposed Speed Zone	25 MPH	
85th Percentile Speed	29 MPH	
Traffic Volume (Date)	1,625 (2022)	
Accident Data (2 years)	3 Collisions (2019-2020)	
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	3.71 Acc./MVM	

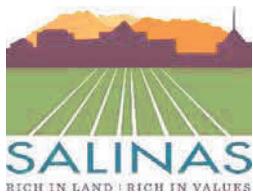


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Beacon Hill Drive			Direction: <u>NBD</u>	Comments: <u>No. 13</u>
Between:	Constitution Boulevard and Constitution Boulevard				
Survey Location:	Between Rockport Way and Cabot Way				
Speed Limit:	30 MPH				
Date:	<u>03/21/22</u>		Day:	<u>Tuesday</u>	
Hours:	From: <u>03:10</u>		To:	<u>03:30</u>	
Weather:	Overcast				
Observer(s):	Emelio				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%	Time Mean Speed: <u>25.6</u> MPH	
11	0	0.00%	0.00%	Sample Variance: <u>14.01</u>	
12	0	0.00%	0.00%	Standard Deviation: <u>3.7</u>	
13	0	0.00%	0.00%	Variance of the Mean: <u>0.2802</u>	
14	1	2.00%	2.00%	Standard Error of the Mean: <u>0.5</u>	
15	0	0.00%	2.00%	10 MPH Pace: <u>20</u> To: <u>29</u> MPH	
16	0	0.00%	2.00%	Percent in Pace: <u>88.0%</u>	
17	0	0.00%	2.00%	Vehicles in Pace: <u>44</u>	
18	0	0.00%	2.00%	50th Percentile Speed: <u>26</u> MPH	
19	1	2.00%	4.00%	85th Percentile Speed: <u>29</u> MPH	
20	4	8.00%	12.00%	90th Percentile Speed: <u>29</u> MPH	
21	2	4.00%	16.00%	95th Percentile Speed: <u>31</u> MPH	
22	2	4.00%	20.00%		
23	4	8.00%	28.00%		
24	2	4.00%	32.00%		
25	4	8.00%	40.00%		
26	7	14.00%	54.00%		
27	9	18.00%	72.00%		
28	4	8.00%	80.00%		
29	6	12.00%	92.00%		
30	0	0.00%	92.00%		
31	2	4.00%	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%		
48	0	0.00%	100.00%		
49	0	0.00%	100.00%		
50	0	0.00%	100.00%		
51	0	0.00%	100.00%		
52	0	0.00%	100.00%		
53	0	0.00%	100.00%		
54	0	0.00%	100.00%		
Totals:	50	100.00%			

Cumulative Frequency Distribution

Frequency Distribution

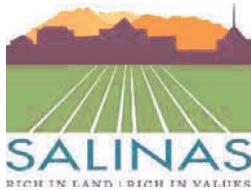


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Beacon Hill Drive			Direction: <u>SBD</u>	Comments: <u>No. 13</u>
Between:	Constitution Boulevard and Constitution Boulevard				
Survey Location:	Between Rockport Way and Cabot Way				
Speed Limit:	30 MPH				
Date:	03/21/22			Day: <u>Tuesday</u>	
Hours: From:	03:10			To: <u>03:30</u>	
Weather:	Overcast				
Observer(s):	Emelio				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%		
11	0	0.00%	0.00%		
12	0	0.00%	0.00%		
13	0	0.00%	0.00%		
14	0	0.00%	0.00%		
15	0	0.00%	0.00%		
16	0	0.00%	0.00%		
17	2	4.00%	4.00%		
18	0	0.00%	4.00%		
19	1	2.00%	6.00%		
20	6	12.00%	18.00%		
21	2	4.00%	22.00%		
22	2	4.00%	26.00%		
23	2	4.00%	30.00%		
24	3	6.00%	36.00%		
25	3	6.00%	42.00%		
26	3	6.00%	48.00%		
27	4	8.00%	56.00%		
28	4	8.00%	64.00%		
29	7	14.00%	78.00%		
30	4	8.00%	86.00%		
31	1	2.00%	88.00%		
32	3	6.00%	94.00%		
33	0	0.00%	94.00%		
34	1	2.00%	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%		
48	0	0.00%	100.00%		
49	0	0.00%	100.00%		
50	0	0.00%	100.00%		
51	0	0.00%	100.00%		
52	0	0.00%	100.00%		
53	0	0.00%	100.00%		
54	0	0.00%	100.00%		
Totals:	50	100.00%			

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Beacon Hill Drive			Direction: <u>NBD/SBD</u>	Comments: <u>No. 13</u>
Between:	Constitution Boulevard and Constitution Boulevard				
Survey Location:	Between Rockport Way and Cabot Way				
Speed Limit:	30 MPH				
Date:	03/21/22			Day: <u>Tuesday</u>	
Hours:	From: <u>03:10</u>		To: <u>03:30</u>		
Weather:	Overcast				
Observer(s):	Emilio				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%	Time Mean Speed: <u>25.8</u> MPH	
11	0	0.00%	0.00%	Sample Variance: <u>17.99</u>	
12	0	0.00%	0.00%	Standard Deviation: <u>4.2</u>	
13	0	0.00%	0.00%	Variance of the Mean: <u>0.1799</u>	
14	1	1.00%	1.00%	Standard Error of the Mean: <u>0.4</u>	
15	0	0.00%	1.00%	10 MPH Pace: <u>20</u> To: <u>29</u> MPH	
16	0	0.00%	1.00%	Percent in Pace: <u>80.0%</u>	
17	2	2.00%	3.00%	Vehicles in Pace: <u>80</u>	
18	0	0.00%	3.00%	50th Percentile Speed: <u>26</u> MPH	
19	2	2.00%	5.00%	85th Percentile Speed: <u>29</u> MPH	
20	10	10.00%	15.00%	90th Percentile Speed: <u>31</u> MPH	
21	4	4.00%	19.00%	95th Percentile Speed: <u>32</u> MPH	
22	4	4.00%	23.00%		
23	6	6.00%	29.00%		
24	5	5.00%	34.00%		
25	7	7.00%	41.00%		
26	10	10.00%	51.00%		
27	13	13.00%	64.00%		
28	8	8.00%	72.00%		
29	13	13.00%	85.00%		
30	4	4.00%	89.00%		
31	3	3.00%	92.00%		
32	4	4.00%	96.00%		
33	0	0.00%	96.00%		
34	2	2.00%	98.00%		
35	1	1.00%	99.00%		
36	0	0.00%	99.00%		
37	1	1.00%	100.00%		
38	0	0.00%	100.00%		
39	0	0.00%	100.00%		
40	0	0.00%	100.00%		
41	0	0.00%	100.00%		
42	0	0.00%	100.00%		
43	0	0.00%	100.00%		
44	0	0.00%	100.00%		
45	0	0.00%	100.00%		
46	0	0.00%	100.00%		
47	0	0.00%	100.00%		
48	0	0.00%	100.00%		
49	0	0.00%	100.00%		
50	0	0.00%	100.00%		
51	0	0.00%	100.00%		
52	0	0.00%	100.00%		
53	0	0.00%	100.00%		
54	0	0.00%	100.00%		
Totals:	100	100.00%			

Cumulative Frequency Distribution

Frequency Distribution

SITE CODE

13

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

LOCATION Beacon Hill Dr btwn Constitution Blvd + Constitution BlvdDATE 3/29/22 DAY TuesdayTIME 3:16 TO 3:30OBSERVER EmilioCALCULATED BY EmilioWEATHER overcast

Direction: <u>Away from</u>		Number of Vehicles			
MPH		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					
32	X				
31	X				
30					
29	X X X X X X				
28	X X X X				
27	X X X X X X X X				
26	X X X X X X X				
25	X X X X				
24	X X				
23	X X X X				
22	X X				
21	X X				
20	X X X X				
19	X				
18					
17					
16					
15					
14	X				
13					
12					
11					
10					

THH THH THH THH THH
THH THH THH THH THH

THH THH THH THH THH
THH THH THH THH THH

THH THH THH THH THH

29
MPH

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

STREET: **WEST BLANCO ROAD**
BETWEEN: **S MAIN ST & WESTERNLY CITY LIMIT**
SURVEY DATE: **04/26/2022 (EXPIRES IN 2027)**

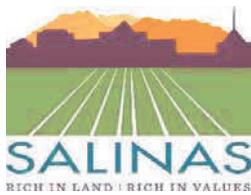
15



COMMENTS:

This segment of West Blanco Road is classified as a major arterial. The surrounding land use includes backing residential homes and commercial areas. Speed data collected April 26, 2022 revealed the 85th percentile speed of 50 mph. The 10 mph pace ranges from 37 mph to 46 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 45 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 4,750 Feet		
Vertical Alignment	Flat		
Street Width	Varies (70 to 80 Feet)		
No. Lanes and Median	4-Lane Major Arterial		
Proposed Speed Zone	45 MPH		
85th Percentile Speed	50 MPH		
Traffic Volume (Date)	17,580 (2022)		
Accident Data (2 years)	12 Collisions (2019-2020)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	1.04 Acc./MVM		

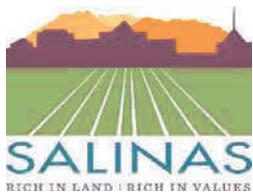


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	West Blanco Road			Direction: <u>EBD</u>	Comments: <u>No. 15</u>
Between:	<u>South Main Street and Westerly City Limits</u>				
Survey Location:	<u>Between West Alisal Street and South Davis Road</u>				
Speed Limit:	<u>45 MPH</u>				
Date:	<u>04/26/22</u>			Day:	<u>Tuesday</u>
Hours:	From:	<u>12:14</u>		To:	<u>01:05</u>
Weather:	<u>Sunny</u>				
Observer(s):	<u>Emileo and Eva</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
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	1.96%	1.96%		
22	1	1.96%	3.92%		
23	0	0.00%	3.92%		
24	1	1.96%	5.88%		
25	0	0.00%	5.88%		
26	1	1.96%	7.84%		
27	1	1.96%	9.80%		
28	2	3.92%	13.73%		
29	0	0.00%	13.73%		
30	0	0.00%	13.73%		
31	1	1.96%	15.69%		
32	1	1.96%	17.65%		
33	3	5.88%	23.53%		
34	2	3.92%	27.45%		
35	2	3.92%	31.37%		
36	1	1.96%	33.33%		
37	3	5.88%	39.22%		
38	3	5.88%	45.10%		
39	1	1.96%	47.06%		
40	4	7.84%	54.90%		
41	1	1.96%	56.86%		
42	0	0.00%	56.86%		
43	5	9.80%	66.67%		
44	2	3.92%	70.59%		
45	3	5.88%	76.47%		
46	2	3.92%	80.39%		
47	1	1.96%	82.35%		
48	3	5.88%	88.24%		
49	0	0.00%	88.24%		
50	5	9.80%	98.04%		
51	1	1.96%	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%		
Totals:	51	100.00%			

Cumulative Frequency Distribution

Frequency Distribution

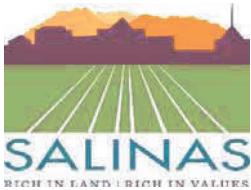


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	West Blanco Road			Direction: <u>WBD</u>	Comments: <u>No. 15</u>
Between:	South Main Street and Westerly City Limits				
Survey Location:	Between West Alisal Street and South Davis Road				
Speed Limit:	45 MPH				
Date:	04/26/22			Day:	Tuesday
Hours:	From:	12:14		To:	01:05
Weather:	Sunny				
Observer(s):	Emileo and Eva				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
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	0	0.00%	0.00%		
36	1	2.00%	2.00%		
37	5	10.00%	12.00%		
38	2	4.00%	16.00%		
39	2	4.00%	20.00%		
40	5	10.00%	30.00%		
41	4	8.00%	38.00%		
42	1	2.00%	40.00%		
43	2	4.00%	44.00%		
44	0	0.00%	44.00%		
45	5	10.00%	54.00%		
46	4	8.00%	62.00%		
47	4	8.00%	70.00%		
48	4	8.00%	78.00%		
49	1	2.00%	80.00%		
50	3	6.00%	86.00%		
51	1	2.00%	88.00%		
52	0	0.00%	88.00%		
53	2	4.00%	92.00%		
54	0	0.00%	92.00%		
55	2	4.00%	96.00%		
56	0	0.00%	96.00%		
57	1	2.00%	98.00%		
58	1	2.00%	100.00%		
59	0	0.00%	100.00%		
Totals:	50	100.00%			

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

<p>Street: <u>West Blanco Road</u> Direction: <u>EBD/WBD</u> Between: <u>South Main Street and Westerly City Limits</u> Comments: <u>No. 15</u> Survey Location: <u>Between West Alisal Street and South Davis Road</u> Speed Limit: <u>45 MPH</u> Date: <u>04/26/22</u> Day: <u>Tuesday</u> Hours: From: <u>12:14</u> To: <u>01:05</u> Weather: <u>Sunny</u> Observer(s): <u>Emileo and Eva</u></p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>MPH</th> <th>Frequency</th> <th>Percent</th> <th>Cumulative %</th> </tr> </thead> <tbody> <tr><td>15</td><td>0</td><td>0.00%</td><td>0.00%</td></tr> <tr><td>16</td><td>0</td><td>0.00%</td><td>0.00%</td></tr> <tr><td>17</td><td>0</td><td>0.00%</td><td>0.00%</td></tr> <tr><td>18</td><td>0</td><td>0.00%</td><td>0.00%</td></tr> <tr><td>19</td><td>0</td><td>0.00%</td><td>0.00%</td></tr> <tr><td>20</td><td>0</td><td>0.00%</td><td>0.00%</td></tr> <tr><td>21</td><td>1</td><td>0.99%</td><td>0.99%</td></tr> <tr><td>22</td><td>1</td><td>0.99%</td><td>1.98%</td></tr> <tr><td>23</td><td>0</td><td>0.00%</td><td>1.98%</td></tr> <tr><td>24</td><td>1</td><td>0.99%</td><td>2.97%</td></tr> <tr><td>25</td><td>0</td><td>0.00%</td><td>2.97%</td></tr> <tr><td>26</td><td>1</td><td>0.99%</td><td>3.96%</td></tr> <tr><td>27</td><td>1</td><td>0.99%</td><td>4.95%</td></tr> <tr><td>28</td><td>2</td><td>1.98%</td><td>6.93%</td></tr> <tr><td>29</td><td>0</td><td>0.00%</td><td>6.93%</td></tr> <tr><td>30</td><td>0</td><td>0.00%</td><td>6.93%</td></tr> <tr><td>31</td><td>1</td><td>0.99%</td><td>7.92%</td></tr> <tr><td>32</td><td>1</td><td>0.99%</td><td>8.91%</td></tr> <tr><td>33</td><td>3</td><td>2.97%</td><td>11.88%</td></tr> <tr><td>34</td><td>2</td><td>1.98%</td><td>13.86%</td></tr> <tr><td>35</td><td>2</td><td>1.98%</td><td>15.84%</td></tr> <tr><td>36</td><td>2</td><td>1.98%</td><td>17.82%</td></tr> <tr><td>37</td><td>8</td><td>7.92%</td><td>25.74%</td></tr> <tr><td>38</td><td>5</td><td>4.95%</td><td>30.69%</td></tr> <tr><td>39</td><td>3</td><td>2.97%</td><td>33.66%</td></tr> <tr><td>40</td><td>9</td><td>8.91%</td><td>42.57%</td></tr> <tr><td>41</td><td>5</td><td>4.95%</td><td>47.52%</td></tr> <tr><td>42</td><td>1</td><td>0.99%</td><td>48.51%</td></tr> <tr><td>43</td><td>7</td><td>6.93%</td><td>55.45%</td></tr> <tr><td>44</td><td>2</td><td>1.98%</td><td>57.43%</td></tr> <tr><td>45</td><td>8</td><td>7.92%</td><td>65.35%</td></tr> <tr><td>46</td><td>6</td><td>5.94%</td><td>71.29%</td></tr> <tr><td>47</td><td>5</td><td>4.95%</td><td>76.24%</td></tr> <tr><td>48</td><td>7</td><td>6.93%</td><td>83.17%</td></tr> <tr><td>49</td><td>1</td><td>0.99%</td><td>84.16%</td></tr> <tr><td>50</td><td>8</td><td>7.92%</td><td>92.08%</td></tr> <tr><td>51</td><td>2</td><td>1.98%</td><td>94.06%</td></tr> <tr><td>52</td><td>0</td><td>0.00%</td><td>94.06%</td></tr> <tr><td>53</td><td>2</td><td>1.98%</td><td>96.04%</td></tr> <tr><td>54</td><td>0</td><td>0.00%</td><td>96.04%</td></tr> <tr><td>55</td><td>2</td><td>1.98%</td><td>98.02%</td></tr> <tr><td>56</td><td>0</td><td>0.00%</td><td>98.02%</td></tr> <tr><td>57</td><td>1</td><td>0.99%</td><td>99.01%</td></tr> <tr><td>58</td><td>1</td><td>0.99%</td><td>100.00%</td></tr> <tr><td>59</td><td>0</td><td>0.00%</td><td>100.00%</td></tr> <tr> <td>Totals:</td> <td>101</td> <td>100.00%</td> <td></td> </tr> </tbody> </table>	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	1	0.99%	0.99%	22	1	0.99%	1.98%	23	0	0.00%	1.98%	24	1	0.99%	2.97%	25	0	0.00%	2.97%	26	1	0.99%	3.96%	27	1	0.99%	4.95%	28	2	1.98%	6.93%	29	0	0.00%	6.93%	30	0	0.00%	6.93%	31	1	0.99%	7.92%	32	1	0.99%	8.91%	33	3	2.97%	11.88%	34	2	1.98%	13.86%	35	2	1.98%	15.84%	36	2	1.98%	17.82%	37	8	7.92%	25.74%	38	5	4.95%	30.69%	39	3	2.97%	33.66%	40	9	8.91%	42.57%	41	5	4.95%	47.52%	42	1	0.99%	48.51%	43	7	6.93%	55.45%	44	2	1.98%	57.43%	45	8	7.92%	65.35%	46	6	5.94%	71.29%	47	5	4.95%	76.24%	48	7	6.93%	83.17%	49	1	0.99%	84.16%	50	8	7.92%	92.08%	51	2	1.98%	94.06%	52	0	0.00%	94.06%	53	2	1.98%	96.04%	54	0	0.00%	96.04%	55	2	1.98%	98.02%	56	0	0.00%	98.02%	57	1	0.99%	99.01%	58	1	0.99%	100.00%	59	0	0.00%	100.00%	Totals:	101	100.00%	
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Totals:	101	100.00%																																																																																																																																																																																											
<p>Data Analysis:</p> <p>Time Mean Speed: <u>41.9 MPH</u> Sample Variance: <u>54.92</u> Standard Deviation: <u>7.4</u> Variance of the Mean: <u>0.5438</u> Standard Error of the Mean: <u>0.7</u> 10 MPH Pace: <u>37</u> To: <u>46 MPH</u> Percent in Pace: <u>53.5%</u> Vehicles in Pace: <u>54</u> 50th Percentile Speed: <u>43 MPH</u> 85th Percentile Speed: <u>50 MPH</u> 90th Percentile Speed: <u>50 MPH</u> 95th Percentile Speed: <u>53 MPH</u></p>																																																																																																																																																																																													
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SITE CODE
15

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

LOCATION West Blanco Rd btwn South Main St + Westerly City LimitsDATE 4/26/2021 DAY TuesdayTIME 12:14 TO 1:05OBSERVER EmilioCALCULATED BY Eva H.WEATHER Sunny

MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
66				
65	■			
64				
63				
62				
61				
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48	✗	✗	✗	
47	✗			
46	✗			
45	✗	✗		
44	✗	✗	✗	
43	✗	✗	✗	
42				
41	✗			
40	✗	✗	✗	
39	✗	✗	✗	
38	✗	✗	✗	
37	✗	✗	✗	
36	✗	✗	✗	
35	✗	✗	✗	
34	✗	✗	✗	
33	✗	✗	✗	
32	✗	✗	✗	
31	✗			
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28	✗	✗		
27	✗	✗		
26	✗			
25				
24	✗			
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22	✗			
21	✗			
20				
19				
18	✗			
17				
16				
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13				
12				
11				
10				

MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
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57	✗			
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49	✗			
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47	✗			
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44	✗	✗	✗	
43	✗	✗	✗	
42	✗			
41	✗			
40	✗	✗	✗	
39	✗	✗	✗	
38	✗	✗	✗	
37	✗	✗	✗	
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III III III III III III III III

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

**STREET: EAST BORONDA ROAD
BETWEEN: N MAIN ST & NATIVIDAD RD
SURVEY DATE: 07/18/2022 (EXPIRES IN 2027)**

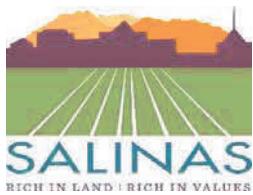
17



COMMENTS:

This segment of East Boronda Road is classified as a major arterial. The surrounding land use includes backing residential homes, commercial, and agricultural areas. Speed data collected July 18, 2022 revealed the 85th percentile speed of 47 mph. The 10 mph pace ranges from 38 mph to 47 mph and suggests the 85th percentile falls 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 45 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL
Distance	Approximately 10,150 Feet	
Vertical Alignment	Flat	
Street Width	Varies (46 to 110 Feet)	
No. Lanes and Median	2-Lane Major Arterial	
Proposed Speed Zone	45 MPH	
85th Percentile Speed	47 MPH	
Traffic Volume (Date)	20,229 (2019)	
Accident Data (2 years)	24 Collisions (2019-2020)	
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	1.92 Acc./MVM	

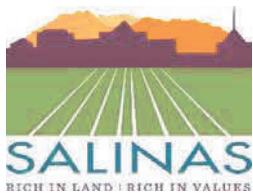


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	East Boronda Road			Direction: <u>EBD</u>	Comments: <u>No. 17</u>
Between:	North Main Street and Natividad Road				
Survey Location:	McKinnon Street and El Dorado Drive				
Speed Limit:	45 MPH				
Date:	07/18/22			Day: <u>Monday</u>	
Hours:	From: <u>12:35</u>		To: <u>12:53</u>		
Weather:	Sunny				
Observer(s):	Chris B. & Chris J.				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
20	0	0.00%	0.00%	Time Mean Speed: <u>43.7</u> MPH	
21	0	0.00%	0.00%	Sample Variance: <u>35.06</u>	
22	0	0.00%	0.00%	Standard Deviation: <u>5.9</u>	
23	0	0.00%	0.00%	Variance of the Mean: <u>0.7012</u>	
24	0	0.00%	0.00%	Standard Error of the Mean: <u>0.8</u>	
25	0	0.00%	0.00%	10 MPH Pace: <u>38</u> To: <u>47</u> MPH	
26	0	0.00%	0.00%	Percent in Pace: <u>72.0%</u>	
27	0	0.00%	0.00%	Vehicles in Pace: <u>36</u>	
28	0	0.00%	0.00%	50th Percentile Speed: <u>43</u> MPH	
29	0	0.00%	0.00%	85th Percentile Speed: <u>49</u> MPH	
30	0	0.00%	0.00%	90th Percentile Speed: <u>52</u> MPH	
31	1	2.00%	2.00%	95th Percentile Speed: <u>56</u> MPH	
32	0	0.00%	2.00%		
33	0	0.00%	2.00%		
34	0	0.00%	2.00%		
35	2	4.00%	6.00%		
36	0	0.00%	6.00%		
37	1	2.00%	8.00%		
38	6	12.00%	20.00%		
39	2	4.00%	24.00%		
40	3	6.00%	30.00%		
41	6	12.00%	42.00%		
42	3	6.00%	48.00%		
43	2	4.00%	52.00%		
44	4	8.00%	60.00%		
45	4	8.00%	68.00%		
46	3	6.00%	74.00%		
47	3	6.00%	80.00%		
48	0	0.00%	80.00%		
49	3	6.00%	86.00%		
50	0	0.00%	86.00%		
51	1	2.00%	88.00%		
52	2	4.00%	92.00%		
53	0	0.00%	92.00%		
54	0	0.00%	92.00%		
55	1	2.00%	94.00%		
56	2	4.00%	98.00%		
57	0	0.00%	98.00%		
58	0	0.00%	98.00%		
59	0	0.00%	98.00%		
60	1	2.00%	100.00%		
61	0	0.00%	100.00%		
62	0	0.00%	100.00%		
63	0	0.00%	100.00%		
64	0	0.00%	100.00%		
Totals:	50	100.00%			

Cumulative Frequency Distribution

Frequency Distribution

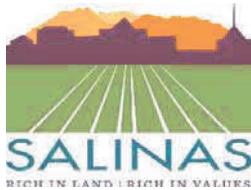


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	East Boronda Road			Direction: <u>WBD</u>	Comments: <u>No. 17</u>
Between:	<u>North Main Street and Natividad Road</u>				
Survey Location:	<u>McKinnon Street and El Dorado Drive</u>				
Speed Limit:	<u>45 MPH</u>				
Date:	<u>07/18/22</u>		Day:	<u>Monday</u>	
Hours:	From: <u>12:35</u>		To:	<u>12:53</u>	
Weather:	<u>Sunny</u>				
Observer(s):	<u>Chris B. & Chris J.</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
20	<u>0</u>	0.00%	0.00%		
21	<u>0</u>	0.00%	0.00%		
22	<u>0</u>	0.00%	0.00%		
23	<u>0</u>	0.00%	0.00%		
24	<u>0</u>	0.00%	0.00%		
25	<u>0</u>	0.00%	0.00%		
26	<u>0</u>	0.00%	0.00%		
27	<u>0</u>	0.00%	0.00%		
28	<u>0</u>	0.00%	0.00%		
29	<u>0</u>	0.00%	0.00%		
30	<u>0</u>	0.00%	0.00%		
31	<u>0</u>	0.00%	0.00%		
32	<u>0</u>	0.00%	0.00%		
33	<u>1</u>	2.00%	2.00%		
34	<u>1</u>	2.00%	4.00%		
35	<u>0</u>	0.00%	4.00%		
36	<u>0</u>	0.00%	4.00%		
37	<u>1</u>	2.00%	6.00%		
38	<u>6</u>	12.00%	18.00%		
39	<u>6</u>	12.00%	30.00%		
40	<u>7</u>	14.00%	44.00%		
41	<u>1</u>	2.00%	46.00%		
42	<u>3</u>	6.00%	52.00%		
43	<u>4</u>	8.00%	60.00%		
44	<u>7</u>	14.00%	74.00%		
45	<u>4</u>	8.00%	82.00%		
46	<u>1</u>	2.00%	84.00%		
47	<u>4</u>	8.00%	92.00%		
48	<u>2</u>	4.00%	96.00%		
49	<u>2</u>	4.00%	100.00%		
50	<u>0</u>	0.00%	100.00%		
51	<u>0</u>	0.00%	100.00%		
52	<u>0</u>	0.00%	100.00%		
53	<u>0</u>	0.00%	100.00%		
54	<u>0</u>	0.00%	100.00%		
55	<u>0</u>	0.00%	100.00%		
56	<u>0</u>	0.00%	100.00%		
57	<u>0</u>	0.00%	100.00%		
58	<u>0</u>	0.00%	100.00%		
59	<u>0</u>	0.00%	100.00%		
60	<u>0</u>	0.00%	100.00%		
61	<u>0</u>	0.00%	100.00%		
62	<u>0</u>	0.00%	100.00%		
63	<u>0</u>	0.00%	100.00%		
64	<u>0</u>	0.00%	100.00%		
Totals:	50	100.00%			

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	East Boronda Road			Direction: <u>EBD/WBD</u>	Comments: <u>No. 17</u>
Between:	North Main Street and Natividad Road				
Survey Location:	McKinnon Street and El Dorado Drive				
Speed Limit:	45 MPH				
Date:	07/18/22		Day:	Monday	
Hours:	From: 12:35		To:	12:53	
Weather:	Sunny				
Observer(s):	Chris B. & Chris J.				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
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	1	1.00%	1.00%		
32	0	0.00%	1.00%		
33	1	1.00%	2.00%		
34	1	1.00%	3.00%		
35	2	2.00%	5.00%		
36	0	0.00%	5.00%		
37	2	2.00%	7.00%		
38	12	12.00%	19.00%		
39	8	8.00%	27.00%		
40	10	10.00%	37.00%		
41	7	7.00%	44.00%		
42	6	6.00%	50.00%		
43	6	6.00%	56.00%		
44	11	11.00%	67.00%		
45	8	8.00%	75.00%		
46	4	4.00%	79.00%		
47	7	7.00%	86.00%		
48	2	2.00%	88.00%		
49	5	5.00%	93.00%		
50	0	0.00%	93.00%		
51	1	1.00%	94.00%		
52	2	2.00%	96.00%		
53	0	0.00%	96.00%		
54	0	0.00%	96.00%		
55	1	1.00%	97.00%		
56	2	2.00%	99.00%		
57	0	0.00%	99.00%		
58	0	0.00%	99.00%		
59	0	0.00%	99.00%		
60	1	1.00%	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%			

Cumulative Frequency Distribution

Frequency Distribution

2

SITE CODE
17

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

LOCATION East Burinda Rd blun N Main St + Natividad RdDATE 7/13-22 DAY Monday TIME 12:35 TO 12:53OBSERVER Chris J CALCULATED BY Chris B WEATHER Sunny

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

MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
66				
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 Number: 1 Author: jonathanh Subject: Text Box Date: 9/26/2022 2:21:11 PM

 Number: 2 Author: jonathanh Subject: Text Box Date: 9/26/2022 2:21:16 PM

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

**STREET: EAST BORONDA ROAD
BETWEEN: NATIVIDAD RD & CONSTITUTION BLVD
SURVEY DATE 04/19/2022 (EXPIRES IN 2027)**

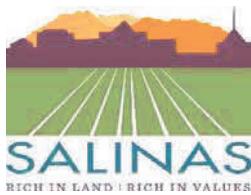
18



COMMENTS:

This segment of East Boronda Road is classified as a major arterial. The surrounding land use includes backing residential homes, a school, and agricultural areas. Speed data collected April 19, 2022 revealed the 85th percentile speed of 44 mph. The 10 mph pace ranges from 34 mph to 43 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded to the nearest 5 mph, the existing posted speed limit of 45 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 8,000 Feet		
Vertical Alignment	Flat		
Street Width	46 Feet		
No. Lanes and Median	2-Lane Major Arterial		
Proposed Speed Zone	45 MPH		
85th Percentile Speed	44 MPH		
Traffic Volume (Date)	16,563 (2019)		
Accident Data (2 years)	12 Collisions (2019-2020)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	0.65 Acc./MVM		



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

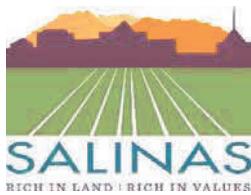
Street:	Boronda Road			Direction: <u>EBD</u>	Comments: <u>No. 18</u>
Between:	<u>Natividad Road and Constitution Boulevard</u>				
Survey Location:	<u>Between Independence Blvd and Hemingway Drive</u>				
Speed Limit:	<u>45 MPH</u>				
Date:	<u>04/19/22</u>			Day: <u>Tuesday</u>	
Hours:	From: <u>01:00</u>		To: <u>01:30</u>		
Weather:	<u>Sunny</u>				
Observer(s):	<u>Eva and Emi</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%	Time Mean Speed: <u>39.1 MPH</u>	
11	0	0.00%	0.00%	Sample Variance: <u>26.31</u>	
12	0	0.00%	0.00%	Standard Deviation: <u>5.1</u>	
13	0	0.00%	0.00%	Variance of the Mean: <u>0.5262</u>	
14	0	0.00%	0.00%	Standard Error of the Mean: <u>0.7</u>	
15	0	0.00%	0.00%	10 MPH Pace: <u>33</u> To: <u>42 MPH</u>	
16	0	0.00%	0.00%	Percent in Pace: <u>62.0%</u>	
17	0	0.00%	0.00%	Vehicles in Pace: <u>31</u>	
18	0	0.00%	0.00%	50th Percentile Speed: <u>38 MPH</u>	
19	0	0.00%	0.00%	85th Percentile Speed: <u>45 MPH</u>	
20	0	0.00%	0.00%	90th Percentile Speed: <u>46 MPH</u>	
21	0	0.00%	0.00%	95th Percentile Speed: <u>48 MPH</u>	
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	0	0.00%	2.00%		
31	2	4.00%	6.00%		
32	0	0.00%	6.00%		
33	3	6.00%	12.00%		
34	4	8.00%	20.00%		
35	5	10.00%	30.00%		
36	5	10.00%	40.00%		
37	3	6.00%	46.00%		
38	2	4.00%	50.00%		
39	3	6.00%	56.00%		
40	2	4.00%	60.00%		
41	2	4.00%	64.00%		
42	2	4.00%	68.00%		
43	3	6.00%	74.00%		
44	3	6.00%	80.00%		
45	4	8.00%	88.00%		
46	1	2.00%	90.00%		
47	2	4.00%	94.00%		
48	3	6.00%	100.00%		
49	0	0.00%	100.00%		
50	0	0.00%	100.00%		
51	0	0.00%	100.00%		
52	0	0.00%	100.00%		
53	0	0.00%	100.00%		
54	0	0.00%	100.00%		
Totals:	50	100.00%			

Cumulative Frequency Distribution

Spot Speed MPH	Cumulative Frequency (%)
28	0
29	2
30	2
31	5
32	10
33	16
34	24
35	34
36	44
37	50
38	56
39	62
40	68
41	72
42	76
43	80
44	84
45	88
46	92
47	94
48	100

Frequency Distribution

Spot Speed MPH	Frequency
28	1
29	2
30	2
31	4
32	5
33	4
34	4
35	3
36	2
37	2
38	5
39	2
40	2
41	2
42	2
43	2
44	2
45	3
46	4
47	2
48	3

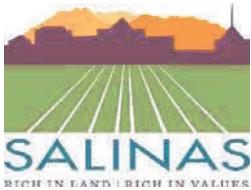


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Boronda Road			Direction: <u>WBD</u>	Comments: <u>No. 18</u>
Between:	Natividad Road and Constitution Boulevard				
Survey Location:	Between Independence Blvd and Hemingway Drive				
Speed Limit:	45 MPH				
Date:	04/19/22			Day: <u>Tuesday</u>	
Hours:	From: <u>01:00</u>		To: <u>01:30</u>		
Weather:	Sunny				
Observer(s):	Eva and Emi				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%	Time Mean Speed: <u>36.1</u> MPH	
11	0	0.00%	0.00%	Sample Variance: <u>22.86</u>	
12	0	0.00%	0.00%	Standard Deviation: <u>4.8</u>	
13	0	0.00%	0.00%	Variance of the Mean: <u>0.4572</u>	
14	0	0.00%	0.00%	Standard Error of the Mean: <u>0.7</u>	
15	0	0.00%	0.00%	10 MPH Pace: <u>29</u> To: <u>38</u> MPH	
16	0	0.00%	0.00%	Percent in Pace: <u>68.0%</u>	
17	0	0.00%	0.00%	Vehicles in Pace: <u>34</u>	
18	0	0.00%	0.00%	50th Percentile Speed: <u>35</u> MPH	
19	0	0.00%	0.00%	85th Percentile Speed: <u>43</u> MPH	
20	0	0.00%	0.00%	90th Percentile Speed: <u>43</u> MPH	
21	0	0.00%	0.00%	95th Percentile Speed: <u>44</u> MPH	
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	3	6.00%	8.00%		
30	1	2.00%	10.00%		
31	4	8.00%	18.00%		
32	4	8.00%	26.00%		
33	3	6.00%	32.00%		
34	4	8.00%	40.00%		
35	6	12.00%	52.00%		
36	5	10.00%	62.00%		
37	1	2.00%	64.00%		
38	3	6.00%	70.00%		
39	1	2.00%	72.00%		
40	1	2.00%	74.00%		
41	1	2.00%	76.00%		
42	4	8.00%	84.00%		
43	5	10.00%	94.00%		
44	3	6.00%	100.00%		
45	0	0.00%	100.00%		
46	0	0.00%	100.00%		
47	0	0.00%	100.00%		
48	0	0.00%	100.00%		
49	0	0.00%	100.00%		
50	0	0.00%	100.00%		
51	0	0.00%	100.00%		
52	0	0.00%	100.00%		
53	0	0.00%	100.00%		
54	0	0.00%	100.00%		
Totals:	50	100.00%			

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Boronda Road			Direction: <u>EBD/WBD</u>	Comments: <u>No. 18</u>
Between:	<u>Natividad Road and Constitution Boulevard</u>				
Survey Location:	<u>Between Independence Blvd and Hemingway Drive</u>				
Speed Limit:	<u>45 MPH</u>				
Date:	<u>04/19/22</u>		Day:	<u>Tuesday</u>	
Hours:	From: <u>01:00</u>		To:	<u>01:30</u>	
Weather:	<u>Sunny</u>				
Observer(s):	<u>Eva and Emi</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%	Time Mean Speed: <u>37.6 MPH</u>	
11	0	0.00%	0.00%	Sample Variance: <u>26.58</u>	
12	0	0.00%	0.00%	Standard Deviation: <u>5.2</u>	
13	0	0.00%	0.00%	Variance of the Mean: <u>0.2658</u>	
14	0	0.00%	0.00%	Standard Error of the Mean: <u>0.5</u>	
15	0	0.00%	0.00%	10 MPH Pace: <u>34 MPH</u>	
16	0	0.00%	0.00%	Percent in Pace: <u>62.0%</u>	
17	0	0.00%	0.00%	Vehicles in Pace: <u>62</u>	
18	0	0.00%	0.00%	50th Percentile Speed: <u>36 MPH</u>	
19	0	0.00%	0.00%	85th Percentile Speed: <u>44 MPH</u>	
20	0	0.00%	0.00%	90th Percentile Speed: <u>44 MPH</u>	
21	0	0.00%	0.00%	95th Percentile Speed: <u>46 MPH</u>	
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	1.00%	1.00%		
28	0	0.00%	1.00%		
29	4	4.00%	5.00%		
30	1	1.00%	6.00%		
31	6	6.00%	12.00%		
32	4	4.00%	16.00%		
33	6	6.00%	22.00%		
34	8	8.00%	30.00%		
35	11	11.00%	41.00%		
36	10	10.00%	51.00%		
37	4	4.00%	55.00%		
38	5	5.00%	60.00%		
39	4	4.00%	64.00%		
40	3	3.00%	67.00%		
41	3	3.00%	70.00%		
42	6	6.00%	76.00%		
43	8	8.00%	84.00%		
44	6	6.00%	90.00%		
45	4	4.00%	94.00%		
46	1	1.00%	95.00%		
47	2	2.00%	97.00%		
48	3	3.00%	100.00%		
49	0	0.00%	100.00%		
50	0	0.00%	100.00%		
51	0	0.00%	100.00%		
52	0	0.00%	100.00%		
53	0	0.00%	100.00%		
54	0	0.00%	100.00%		
Totals:	100	100.00%			

Cumulative Frequency Distribution

Frequency Distribution

SITE CODE

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

LOCATION Boranda Rd btwn Natiudad Rd + Constitution Blvd

DATE 4/11/2021 DAY Tuesday

TIME 1:00 TO 1:30

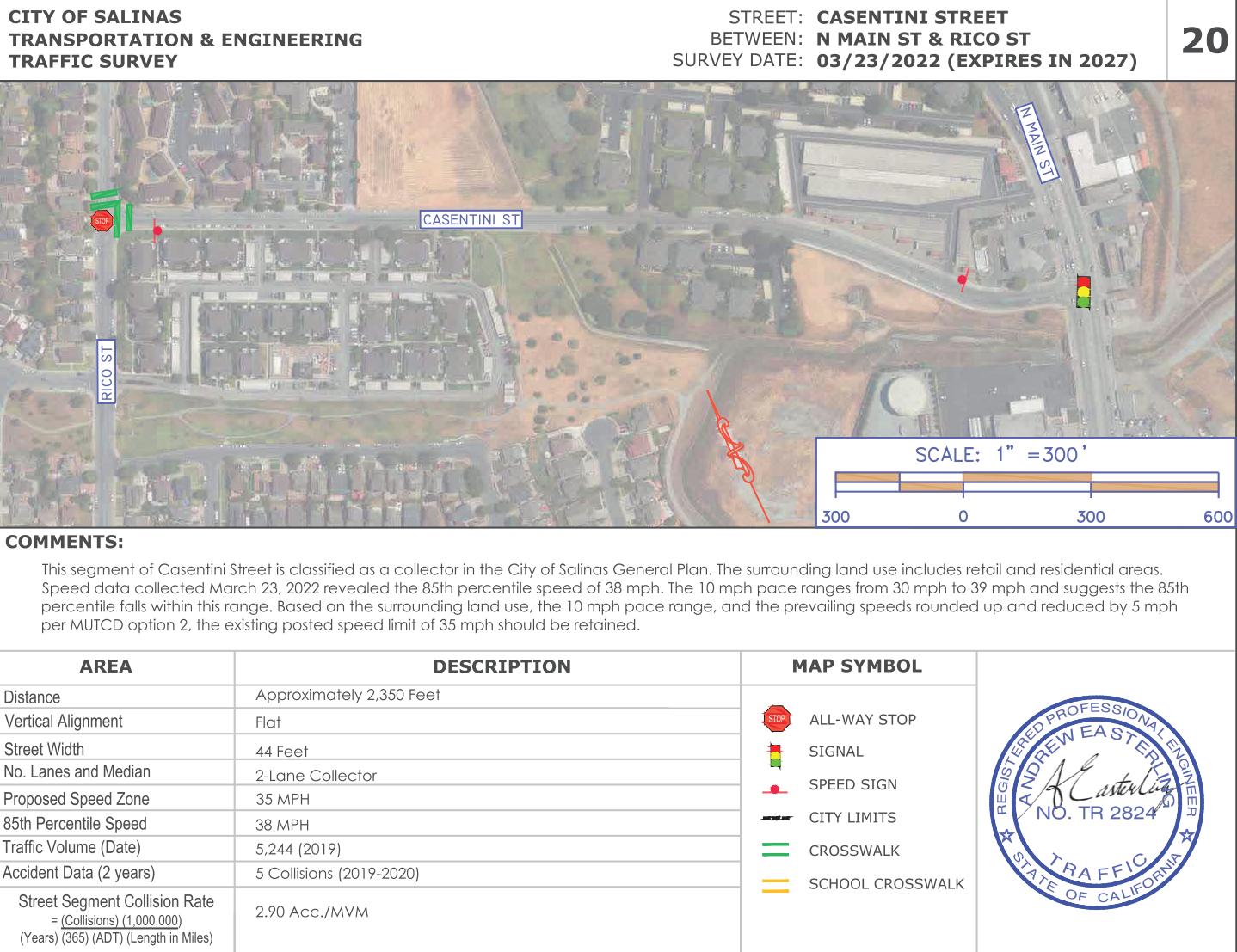
OBSERVER *Eva tf.*

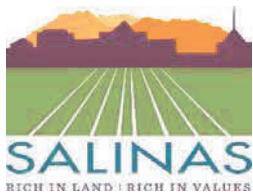
CALCULATED BY Emiko

WEATHER Sunny

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	XXXX			
47	XX			
46	X			
45	XXX			
44	XXX			
43	XXX			
42	X			
41	X			
40	X			
39	XXX			
38	X			
37	X			
36	XXX			
35	XX			
34	XX			
33	X			
32				
31				
30				
29	X			
28				
27				
26				
25				
24				
23				
22				
21				
20				
19				
18				
17				
16				
15				
14				
13				
12				
11				
10				

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	X X X X			
43	X X X X X			
42	X X X X X			
41	X			
40	X			
39	X			
38	X X X X			
37	X			
36	X X X X			
35	X X X X X			
34	X X X X			
33	X X X			
32	X X X			
31	X X X X			
30	X			
29	X X X			
28	X			
27	X			
26				
25				
24				
23				
22				
21				
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18				
17				
16				
15				
14				
13				
12				
11				
10				



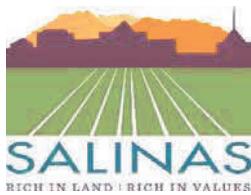


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Casentini Street			Direction: <u>WBD</u>	Comments: <u>No. 20</u>
Between:	<u>North Main Street and Rico Street</u>				
Survey Location:	<u>Between North Main Street and Rico Street</u>				
Speed Limit:	<u>35 MPH</u>				
Date:	<u>03/23/22</u>			Day: <u>Wednesday</u>	
Hours: From:	<u>12:15</u>			To: <u>01:00</u>	
Weather:	<u>Sunny</u>				
Observer(s):	<u>Emileo</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%	Time Mean Speed: <u>31.5 MPH</u>	
11	0	0.00%	0.00%	Sample Variance: <u>33.44</u>	
12	0	0.00%	0.00%	Standard Deviation: <u>5.8</u>	
13	0	0.00%	0.00%	Variance of the Mean: <u>0.6688</u>	
14	0	0.00%	0.00%	Standard Error of the Mean: <u>0.8</u>	
15	0	0.00%	0.00%	10 MPH Pace: <u>25 MPH</u>	
16	0	0.00%	0.00%	Percent in Pace: <u>60.0%</u>	
17	0	0.00%	0.00%	Vehicles in Pace: <u>30</u>	
18	1	2.00%	2.00%	50th Percentile Speed: <u>32 MPH</u>	
19	1	2.00%	4.00%	85th Percentile Speed: <u>37 MPH</u>	
20	1	2.00%	6.00%	90th Percentile Speed: <u>39 MPH</u>	
21	1	2.00%	8.00%	95th Percentile Speed: <u>40 MPH</u>	
22	0	0.00%	8.00%		
23	0	0.00%	8.00%		
24	0	0.00%	8.00%		
25	6	12.00%	20.00%		
26	1	2.00%	22.00%		
27	3	6.00%	28.00%		
28	0	0.00%	28.00%		
29	2	4.00%	32.00%		
30	3	6.00%	38.00%		
31	2	4.00%	42.00%		
32	4	8.00%	50.00%		
33	3	6.00%	56.00%		
34	6	12.00%	68.00%		
35	2	4.00%	72.00%		
36	5	10.00%	82.00%		
37	2	4.00%	86.00%		
38	1	2.00%	88.00%		
39	2	4.00%	92.00%		
40	3	6.00%	98.00%		
41	1	2.00%	100.00%		
42	0	0.00%	100.00%		
43	0	0.00%	100.00%		
44	0	0.00%	100.00%		
45	0	0.00%	100.00%		
46	0	0.00%	100.00%		
47	0	0.00%	100.00%		
48	0	0.00%	100.00%		
49	0	0.00%	100.00%		
50	0	0.00%	100.00%		
51	0	0.00%	100.00%		
52	0	0.00%	100.00%		
53	0	0.00%	100.00%		
54	0	0.00%	100.00%		
Totals:	50	100.00%			

Cumulative Frequency Distribution

Frequency Distribution

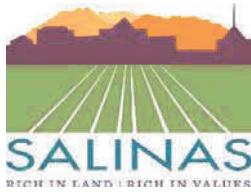


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Casentini Street			Direction: <u>EBD</u>	Comments: <u>No. 20</u>
Between:	<u>North Main Street and Rico Street</u>				
Survey Location:	<u>Between North Main Street and Rico Street</u>				
Speed Limit:	<u>35 MPH</u>				
Date:	<u>03/23/22</u>			Day: <u>Wednesday</u>	
Hours: From:	<u>12:15</u>			To: <u>01:00</u>	
Weather:	<u>Sunny</u>				
Observer(s):	<u>Emileo</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%	Time Mean Speed: <u>33.5 MPH</u>	
11	0	0.00%	0.00%	Sample Variance: <u>27.19</u>	
12	0	0.00%	0.00%	Standard Deviation: <u>5.2</u>	
13	0	0.00%	0.00%	Variance of the Mean: <u>0.5438</u>	
14	0	0.00%	0.00%	Standard Error of the Mean: <u>0.7</u>	
15	0	0.00%	0.00%	10 MPH Pace: <u>30</u> To: <u>39 MPH</u>	
16	0	0.00%	0.00%	Percent in Pace: <u>72.0%</u>	
17	0	0.00%	0.00%	Vehicles in Pace: <u>36</u>	
18	0	0.00%	0.00%	50th Percentile Speed: <u>32 MPH</u>	
19	0	0.00%	0.00%	85th Percentile Speed: <u>39 MPH</u>	
20	0	0.00%	0.00%	90th Percentile Speed: <u>39 MPH</u>	
21	0	0.00%	0.00%	95th Percentile Speed: <u>41 MPH</u>	
22	1	2.00%	2.00%		
23	0	0.00%	2.00%		
24	1	2.00%	4.00%		
25	1	2.00%	6.00%		
26	1	2.00%	8.00%		
27	1	2.00%	10.00%		
28	3	6.00%	16.00%		
29	1	2.00%	18.00%		
30	4	8.00%	26.00%		
31	3	6.00%	32.00%		
32	10	20.00%	52.00%		
33	2	4.00%	56.00%		
34	0	0.00%	56.00%		
35	6	12.00%	68.00%		
36	3	6.00%	74.00%		
37	2	4.00%	78.00%		
38	2	4.00%	82.00%		
39	4	8.00%	90.00%		
40	2	4.00%	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	0	0.00%	98.00%		
51	1	2.00%	100.00%		
52	0	0.00%	100.00%		
53	0	0.00%	100.00%		
54	0	0.00%	100.00%		
Totals:	50	100.00%			

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Casentini Street			Direction: <u>WBD/EBD</u>	Comments: <u>No. 20</u>
Between:	<u>North Main Street and Rico Street</u>				
Survey Location:	<u>Between North Main Street and Rico Street</u>				
Speed Limit:	<u>35 MPH</u>				
Date:	<u>03/23/22</u>		Day:	<u>Wednesday</u>	
Hours:	From: <u>12:15</u>		To:	<u>01:00</u>	
Weather:	<u>Sunny</u>				
Observer(s):	<u>Emileo</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	<u>0</u>	0.00%	0.00%		
11	<u>0</u>	0.00%	0.00%		
12	<u>0</u>	0.00%	0.00%		
13	<u>0</u>	0.00%	0.00%		
14	<u>0</u>	0.00%	0.00%		
15	<u>0</u>	0.00%	0.00%		
16	<u>0</u>	0.00%	0.00%		
17	<u>0</u>	0.00%	0.00%		
18	<u>1</u>	1.00%	1.00%		
19	<u>1</u>	1.00%	2.00%		
20	<u>1</u>	1.00%	3.00%		
21	<u>1</u>	1.00%	4.00%		
22	<u>1</u>	1.00%	5.00%		
23	<u>0</u>	0.00%	5.00%		
24	<u>1</u>	1.00%	6.00%		
25	<u>7</u>	7.00%	13.00%		
26	<u>2</u>	2.00%	15.00%		
27	<u>4</u>	4.00%	19.00%		
28	<u>3</u>	3.00%	22.00%		
29	<u>3</u>	3.00%	25.00%		
30	<u>7</u>	7.00%	32.00%		
31	<u>5</u>	5.00%	37.00%		
32	<u>14</u>	14.00%	51.00%		
33	<u>5</u>	5.00%	56.00%		
34	<u>6</u>	6.00%	62.00%		
35	<u>8</u>	8.00%	70.00%		
36	<u>8</u>	8.00%	78.00%		
37	<u>4</u>	4.00%	82.00%		
38	<u>3</u>	3.00%	85.00%		
39	<u>6</u>	6.00%	91.00%		
40	<u>5</u>	5.00%	96.00%		
41	<u>2</u>	2.00%	98.00%		
42	<u>1</u>	1.00%	99.00%		
43	<u>0</u>	0.00%	99.00%		
44	<u>0</u>	0.00%	99.00%		
45	<u>0</u>	0.00%	99.00%		
46	<u>0</u>	0.00%	99.00%		
47	<u>0</u>	0.00%	99.00%		
48	<u>0</u>	0.00%	99.00%		
49	<u>0</u>	0.00%	99.00%		
50	<u>0</u>	0.00%	99.00%		
51	<u>1</u>	1.00%	100.00%		
52	<u>0</u>	0.00%	100.00%		
53	<u>0</u>	0.00%	100.00%		
54	<u>0</u>	0.00%	100.00%		
Totals:	100	100.00%			

Cumulative Frequency Distribution

Frequency Distribution

SITE CODE
20

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

LOCATION Casentini St btwn North Main St + Rico St

DATE 3/23/22 DAY Wednesday TIME 12:15 TO 1:00

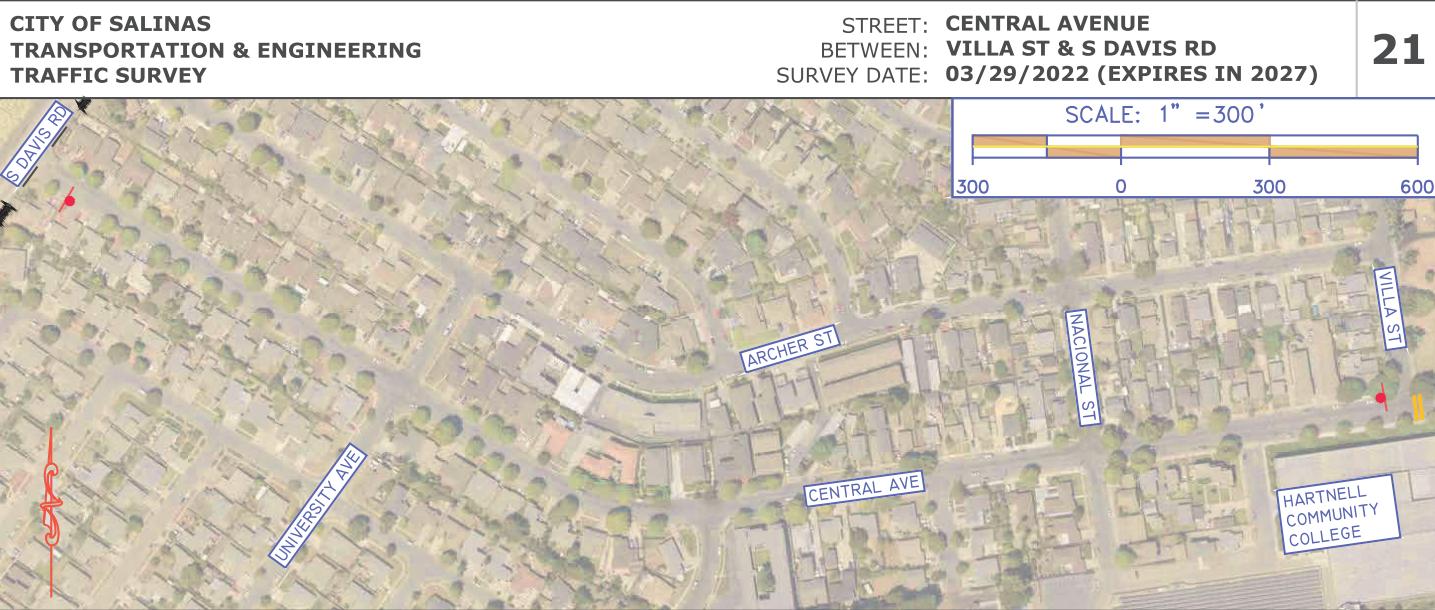
OBSERVER Emilio CALCULATED BY Emilio WEATHER Sunny

Direction: <u>Away West</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				
42				
41	X			
40	X X	X		
39	X X			
38	X			
37	X X			
36	X X X X X X			
35	X X			
34	X X X X X X X X			
33	X X X X X X X X			
32	X X X X X X X X			
31	X X X X X X X X			
30	X X X X X X X X			
29	X 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			
26	X X X X X X X X			
25	X X X X X X X X			
24	X X X X X X X X			
23	X X X X X X X X			
22	X X X X X X X X			
21	X X X X X X X X			
20	X X X X X X X X			
19	X X X X X X X X			
18	X X X X X X X X			
17	X X X X X X X X			
16	X X X X X X X X			
15	X X X X X X X X			
14	X X X X X X X X			
13	X X X X X X X X			
12	X X X X X X X X			
11	X X X X X X X X			
10	X X X X X X X X			

Direction: <u>Oncoming East</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	X			
50				
49				
48				
47				
46				
45				
44				
43				
42	X			
41	X			
40	X X X X			
39	X X X X X X			
38	X X X X X X			
37	X X X X X X			
36	X X X X X X			
35	X X X X X X X X			
34	X X X X X X X X			
33	X X X X X X X X			
32	X X X X X X X X			
31	X X X X X X X X			
30	X X X X X X X X			
29	X 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			
26	X X X X X X X X			
25	X X X X X X X X			
24	X X X X X X X X			
23	X X X X X X X X			
22	X X X X X X X X			
21	X X X X X X X X			
20	X X X X X X X X			
19	X X X X X X X X			
18	X X X X X X X X			
17	X X X X X X X X			
16	X X X X X X X X			
15	X X X X X X X X			
14	X X X X X X X X			
13	X X X X X X X X			
12	X X X X X X X X			
11	X X X X X X X X			
10	X X X X X X X X			

TH TH

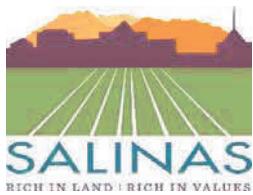
TH TH TH TH TH TH TH TH TH TH TH TH TH TH TH TH



COMMENTS:

This segment of Central Avenue is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes fronting residential homes, a park, and a community college. Speed data collected March 29, 2022 revealed the 85th percentile speed of 29 mph. The 10 mph pace ranges from 18 mph to 27 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded up by 5 mph and reduced by 5 mph per MUTCD option 2, the existing posted speed limit of 30 mph should be reduced to 25 mph.

AREA	DESCRIPTION	MAP SYMBOL
Distance	Approximately 3,000 Feet	
Vertical Alignment	Flat	
Street Width	51 Feet	
No. Lanes and Median	2-Lane Minor Arterial	
Proposed Speed Zone	25 MPH	
85th Percentile Speed	29 MPH	
Traffic Volume (Date)	3,269 (2018)	
Accident Data (2 years)	1 Collision (2019-2020)	
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	0.74 Acc./MVM	<p>REGISTERED PROFESSIONAL ENGINEER ANDREW EASTERLING NO. TR 2824 TRAFFIC STATE OF CALIFORNIA</p>

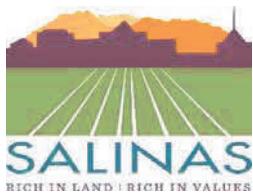


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Central Avenue		Direction: <u>WBD</u>	Comments: <u>No. 21</u>
Between:	<u>Villa Street and Davis Road</u>			
Survey Location:	<u>Between University Avenue and Hartnell Street</u>			
Speed Limit:	<u>30 MPH</u>			
Date:	<u>03/29/22</u>		Day: <u>Tuesday</u>	
Hours: From:	<u>01:20</u>		To: <u>02:00</u>	
Weather:	<u>Overcast</u>			
Observer(s):	<u>Emilio</u>			
MPH	Frequency	Percent	Cumulative %	Data Analysis:
10	0	0.00%	0.00%	Time Mean Speed: <u>24.8 MPH</u>
11	0	0.00%	0.00%	Sample Variance: <u>19.44</u>
12	0	0.00%	0.00%	Standard Deviation: <u>4.4</u>
13	0	0.00%	0.00%	Variance of the Mean: <u>0.3888</u>
14	0	0.00%	0.00%	Standard Error of the Mean: <u>0.6</u>
15	2	4.00%	4.00%	10 MPH Pace: <u>21 MPH</u>
16	0	0.00%	4.00%	Percent in Pace: <u>72.0%</u>
17	0	0.00%	4.00%	Vehicles in Pace: <u>36</u>
18	2	4.00%	8.00%	50th Percentile Speed: <u>26 MPH</u>
19	4	8.00%	16.00%	85th Percentile Speed: <u>29 MPH</u>
20	2	4.00%	20.00%	90th Percentile Speed: <u>30 MPH</u>
21	1	2.00%	22.00%	95th Percentile Speed: <u>32 MPH</u>
22	3	6.00%	28.00%	
23	4	8.00%	36.00%	
24	3	6.00%	42.00%	
25	3	6.00%	48.00%	
26	9	18.00%	66.00%	
27	3	6.00%	72.00%	
28	3	6.00%	78.00%	
29	4	8.00%	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%	
48	0	0.00%	100.00%	
49	0	0.00%	100.00%	
50	0	0.00%	100.00%	
51	0	0.00%	100.00%	
52	0	0.00%	100.00%	
53	0	0.00%	100.00%	
54	0	0.00%	100.00%	
Totals:	50	100.00%		

Cumulative Frequency Distribution

Frequency Distribution

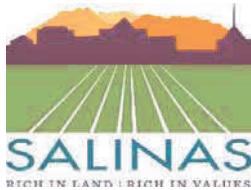


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Central Avenue		Direction: <u>EBD</u>	Comments: No. 21
Between:	Villa Street and Davis Road			
Survey Location:	Between University Avenue and Hartnell Street			
Speed Limit:	30 MPH			
Date:	03/29/22		Day: <u>Tuesday</u>	
Hours: From:	01:20		To: <u>02:00</u>	
Weather:	Overcast			
Observer(s):	Emilio			
MPH	Frequency	Percent	Cumulative %	Data Analysis:
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	2	4.00%	8.00%	
18	2	4.00%	12.00%	
19	2	4.00%	16.00%	
20	5	10.00%	26.00%	
21	3	6.00%	32.00%	
22	5	10.00%	42.00%	
23	4	8.00%	50.00%	
24	3	6.00%	56.00%	
25	4	8.00%	64.00%	
26	4	8.00%	72.00%	
27	8	16.00%	88.00%	
28	0	0.00%	88.00%	
29	2	4.00%	92.00%	
30	1	2.00%	94.00%	
31	1	2.00%	96.00%	
32	2	4.00%	100.00%	
33	0	0.00%	100.00%	
34	0	0.00%	100.00%	
35	0	0.00%	100.00%	
36	0	0.00%	100.00%	
37	0	0.00%	100.00%	
38	0	0.00%	100.00%	
39	0	0.00%	100.00%	
40	0	0.00%	100.00%	
41	0	0.00%	100.00%	
42	0	0.00%	100.00%	
43	0	0.00%	100.00%	
44	0	0.00%	100.00%	
45	0	0.00%	100.00%	
46	0	0.00%	100.00%	
47	0	0.00%	100.00%	
48	0	0.00%	100.00%	
49	0	0.00%	100.00%	
50	0	0.00%	100.00%	
51	0	0.00%	100.00%	
52	0	0.00%	100.00%	
53	0	0.00%	100.00%	
54	0	0.00%	100.00%	
Totals:	50	100.00%		

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Central Avenue		Direction:	WBD/EBD	Comments: No. 21
Between:	Villa Street and Davis Road		Day:	Tuesday	
Survey Location:	Between University Avenue and Hartnell Street				
Speed Limit:	30 MPH		Hours:	From: 01:20 To: 02:00	
Date:	03/29/22		Weather:	Overcast	
Observer(s):	Emilio				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%	Time Mean Speed: 24.2 MPH	
11	0	0.00%	0.00%	Sample Variance: 18.71	
12	0	0.00%	0.00%	Standard Deviation: 4.3	
13	0	0.00%	0.00%	Variance of the Mean: 0.1871	
14	0	0.00%	0.00%	Standard Error of the Mean: 0.4	
15	4	4.00%	4.00%	10 MPH Pace: 18 MPH	
16	0	0.00%	4.00%	Percent in Pace: 74.0%	
17	2	2.00%	6.00%	Vehicles in Pace: 74	
18	4	4.00%	10.00%	50th Percentile Speed: 25 MPH	
19	6	6.00%	16.00%	85th Percentile Speed: 29 MPH	
20	7	7.00%	23.00%	90th Percentile Speed: 30 MPH	
21	4	4.00%	27.00%	95th Percentile Speed: 31 MPH	
22	8	8.00%	35.00%		
23	8	8.00%	43.00%		
24	6	6.00%	49.00%		
25	7	7.00%	56.00%		
26	13	13.00%	69.00%		
27	11	11.00%	80.00%		
28	3	3.00%	83.00%		
29	6	6.00%	89.00%		
30	4	4.00%	93.00%		
31	2	2.00%	95.00%		
32	3	3.00%	98.00%		
33	2	2.00%	100.00%		
34	0	0.00%	100.00%		
35	0	0.00%	100.00%		
36	0	0.00%	100.00%		
37	0	0.00%	100.00%		
38	0	0.00%	100.00%		
39	0	0.00%	100.00%		
40	0	0.00%	100.00%		
41	0	0.00%	100.00%		
42	0	0.00%	100.00%		
43	0	0.00%	100.00%		
44	0	0.00%	100.00%		
45	0	0.00%	100.00%		
46	0	0.00%	100.00%		
47	0	0.00%	100.00%		
48	0	0.00%	100.00%		
49	0	0.00%	100.00%		
50	0	0.00%	100.00%		
51	0	0.00%	100.00%		
52	0	0.00%	100.00%		
53	0	0.00%	100.00%		
54	0	0.00%	100.00%		
Totals:	100	100.00%			

Cumulative Frequency Distribution

Frequency Distribution

SITE CODE

21

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

LOCATION

Central Ave btwn Villa St + Davis Rd

DATE

3/29/22

DAY

TUESDAY

TIME 1:30

TO 2:00

OBSERVER

Emi

CALCULATED BY

Emi

WEATHER overcast

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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48				
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46				
45				
44				
43				
42				
41				
40				
39				
38				
37				
36				
35				
34				
33	X X			
32	X			
31	X			
30	X X X X			
29	X X X X X			
28	X X X X			
27	X X X X			
26	X X X X 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			
19	X X X X			
18	X X			
17				
16				
15	X X			
14				
13				
12				
11				
10				

THU THU THU THU THU
THU THU THU THU THU

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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48				
47				
46				
45				
44				
43				
42				
41				
40				
39				
38				
37				
36				
35				
34				
33				
32	X X			
31	X			
30	X			
29	X X			
28				
27	X X X X X X X X			
26	X X X X X X			
25	X X X X			
24	X X X X			
23	X X X X			
22	X X X X X X			
21	X X X X			
20	X X X X X X			
19	X X			
18	X X			
17	X X			
16				
15	X X			
14				
13				
12				
11				
10				

THU THU THU THU THU
THU THU THU THU THU

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

**STREET: CENTRAL AVENUE
BETWEEN: VILLA ST & SALINAS ST
SURVEY DATE: 04/20/2022 (EXPIRES IN 2027)**

22

SCALE: 1" = 400'

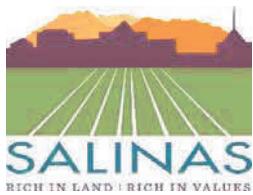


COMMENTS:

This segment of Central Avenue is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes fronting residential homes, office areas, and a school. Speed data collected April 20, 2022 revealed the 85th percentile speed of 32 mph. The 10 mph pace ranges from 24 mph to 33 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded down and reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 25 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL
Distance	Approximately 3,200 Feet	
Vertical Alignment	Flat	
Street Width	51 Feet	
No. Lanes and Median	3-Lane Minor Arterial	
Proposed Speed Zone	25 MPH	
85th Percentile Speed	32 MPH	
Traffic Volume (Date)	3,197 (2022)	
Accident Data (2 years)	4 Collisions (2019-2020)	
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	2.83 Acc./MVM	

REGISTERED PROFESSIONAL ENGINEER
ANDREW EASTERLING
NO. TR 2824
STATE OF CALIFORNIA



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Central Avenue		Direction: <u>EBD</u>	Comments: <u>No. 22</u>
Between:	<u>Villa Street and Salinas Street</u>			
Survey Location:	<u>Between Riker Street and West Street</u>			
Speed Limit:	<u>25 MPH</u>			
Date:	<u>04/20/22</u>		Day: <u>Wednesday</u>	
Hours: From:	<u>12:00</u>		To: <u>12:55</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Emileo</u>			
MPH	Frequency	Percent	Cumulative %	Data Analysis:
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	1	2.00%	2.00%	
13	0	0.00%	2.00%	
14	0	0.00%	2.00%	
15	0	0.00%	2.00%	
16	1	2.00%	4.00%	
17	1	2.00%	6.00%	
18	0	0.00%	6.00%	
19	2	4.00%	10.00%	
20	0	0.00%	10.00%	
21	2	4.00%	14.00%	
22	2	4.00%	18.00%	
23	1	2.00%	20.00%	
24	2	4.00%	24.00%	
25	5	10.00%	34.00%	
26	9	18.00%	52.00%	
27	4	8.00%	60.00%	
28	5	10.00%	70.00%	
29	2	4.00%	74.00%	
30	2	4.00%	78.00%	
31	3	6.00%	84.00%	
32	2	4.00%	88.00%	
33	4	8.00%	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	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%	
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%		

Time Mean Speed: 26.6 MPH

Sample Variance: 25.11

Standard Deviation: 5.0

Variance of the Mean: 0.5022

Standard Error of the Mean: 0.7

10 MPH Pace: 24 To: 33 MPH

Percent in Pace: 76.0%

Vehicles in Pace: 38

50th Percentile Speed: 26 MPH

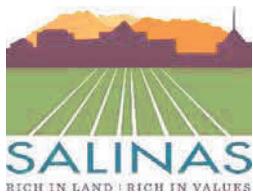
85th Percentile Speed: 32 MPH

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:	Central Avenue		Direction: <u>WBD</u>	Comments: <u>No. 22</u>
Between:	<u>Villa Street and Salinas Street</u>			
Survey Location:	<u>Between Riker Street and West Street</u>			
Speed Limit:	<u>25 MPH</u>			
Date:	<u>04/20/22</u>		Day: <u>Wednesday</u>	
Hours: From:	<u>12:00</u>		To: <u>12:55</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Emilio</u>			
MPH	Frequency	Percent	Cumulative %	Data Analysis:
10	<u>0</u>	0.00%	0.00%	
11	<u>0</u>	0.00%	0.00%	
12	<u>0</u>	0.00%	0.00%	
13	<u>0</u>	0.00%	0.00%	
14	<u>0</u>	0.00%	0.00%	
15	<u>0</u>	0.00%	0.00%	
16	<u>1</u>	2.00%	2.00%	
17	<u>2</u>	4.00%	6.00%	
18	<u>1</u>	2.00%	8.00%	
19	<u>0</u>	0.00%	8.00%	
20	<u>3</u>	6.00%	14.00%	
21	<u>4</u>	8.00%	22.00%	
22	<u>1</u>	2.00%	24.00%	
23	<u>1</u>	2.00%	26.00%	
24	<u>3</u>	6.00%	32.00%	
25	<u>2</u>	4.00%	36.00%	
26	<u>4</u>	8.00%	44.00%	
27	<u>4</u>	8.00%	52.00%	
28	<u>5</u>	10.00%	62.00%	
29	<u>4</u>	8.00%	70.00%	
30	<u>3</u>	6.00%	76.00%	
31	<u>4</u>	8.00%	84.00%	
32	<u>1</u>	2.00%	86.00%	
33	<u>3</u>	6.00%	92.00%	
34	<u>1</u>	2.00%	94.00%	
35	<u>1</u>	2.00%	96.00%	
36	<u>1</u>	2.00%	98.00%	
37	<u>0</u>	0.00%	98.00%	
38	<u>1</u>	2.00%	100.00%	
39	<u>0</u>	0.00%	100.00%	
40	<u>0</u>	0.00%	100.00%	
41	<u>0</u>	0.00%	100.00%	
42	<u>0</u>	0.00%	100.00%	
43	<u>0</u>	0.00%	100.00%	
44	<u>0</u>	0.00%	100.00%	
45	<u>0</u>	0.00%	100.00%	
46	<u>0</u>	0.00%	100.00%	
47	<u>0</u>	0.00%	100.00%	
48	<u>0</u>	0.00%	100.00%	
49	<u>0</u>	0.00%	100.00%	
50	<u>0</u>	0.00%	100.00%	
51	<u>0</u>	0.00%	100.00%	
52	<u>0</u>	0.00%	100.00%	
53	<u>0</u>	0.00%	100.00%	
54	<u>0</u>	0.00%	100.00%	
Totals:	50	100.00%		

Time Mean Speed: 26.7 MPH

Sample Variance: 27.11

Standard Deviation: 5.2

Variance of the Mean: 0.5422

Standard Error of the Mean: 0.7

10 MPH Pace: 24 To: 33 MPH

Percent in Pace: 66.0%

Vehicles in Pace: 33

50th Percentile Speed: 27 MPH

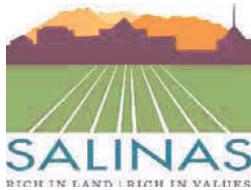
85th Percentile Speed: 32 MPH

90th Percentile Speed: 33 MPH

95th Percentile Speed: 35 MPH

Cumulative Frequency Distribution

Frequency Distribution



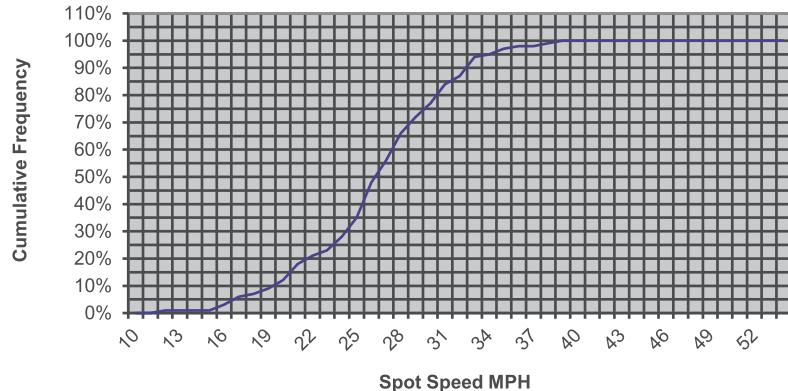
CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Central Avenue		Direction:	EBD/WBD	Comments: No. 22																																																																																																																																																																																												
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Speed Limit:	25 MPH		Weather:	Sunny																																																																																																																																																																																													
Date:	04/20/22		Observer(s):	Emilio																																																																																																																																																																																													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>MPH</th> <th>Frequency</th> <th>Percent</th> <th>Cumulative %</th> </tr> </thead> <tbody> <tr><td>10</td><td>0</td><td>0.00%</td><td>0.00%</td></tr> <tr><td>11</td><td>0</td><td>0.00%</td><td>0.00%</td></tr> <tr><td>12</td><td>1</td><td>1.00%</td><td>1.00%</td></tr> <tr><td>13</td><td>0</td><td>0.00%</td><td>1.00%</td></tr> <tr><td>14</td><td>0</td><td>0.00%</td><td>1.00%</td></tr> <tr><td>15</td><td>0</td><td>0.00%</td><td>1.00%</td></tr> <tr><td>16</td><td>2</td><td>2.00%</td><td>3.00%</td></tr> <tr><td>17</td><td>3</td><td>3.00%</td><td>6.00%</td></tr> <tr><td>18</td><td>1</td><td>1.00%</td><td>7.00%</td></tr> <tr><td>19</td><td>2</td><td>2.00%</td><td>9.00%</td></tr> <tr><td>20</td><td>3</td><td>3.00%</td><td>12.00%</td></tr> <tr><td>21</td><td>6</td><td>6.00%</td><td>18.00%</td></tr> <tr><td>22</td><td>3</td><td>3.00%</td><td>21.00%</td></tr> <tr><td>23</td><td>2</td><td>2.00%</td><td>23.00%</td></tr> <tr><td>24</td><td>5</td><td>5.00%</td><td>28.00%</td></tr> <tr><td>25</td><td>7</td><td>7.00%</td><td>35.00%</td></tr> <tr><td>26</td><td>13</td><td>13.00%</td><td>48.00%</td></tr> <tr><td>27</td><td>8</td><td>8.00%</td><td>56.00%</td></tr> <tr><td>28</td><td>10</td><td>10.00%</td><td>66.00%</td></tr> <tr><td>29</td><td>6</td><td>6.00%</td><td>72.00%</td></tr> <tr><td>30</td><td>5</td><td>5.00%</td><td>77.00%</td></tr> <tr><td>31</td><td>7</td><td>7.00%</td><td>84.00%</td></tr> <tr><td>32</td><td>3</td><td>3.00%</td><td>87.00%</td></tr> <tr><td>33</td><td>7</td><td>7.00%</td><td>94.00%</td></tr> <tr><td>34</td><td>1</td><td>1.00%</td><td>95.00%</td></tr> <tr><td>35</td><td>2</td><td>2.00%</td><td>97.00%</td></tr> <tr><td>36</td><td>1</td><td>1.00%</td><td>98.00%</td></tr> <tr><td>37</td><td>0</td><td>0.00%</td><td>98.00%</td></tr> <tr><td>38</td><td>1</td><td>1.00%</td><td>99.00%</td></tr> <tr><td>39</td><td>1</td><td>1.00%</td><td>100.00%</td></tr> <tr><td>40</td><td>0</td><td>0.00%</td><td>100.00%</td></tr> <tr><td>41</td><td>0</td><td>0.00%</td><td>100.00%</td></tr> <tr><td>42</td><td>0</td><td>0.00%</td><td>100.00%</td></tr> <tr><td>43</td><td>0</td><td>0.00%</td><td>100.00%</td></tr> <tr><td>44</td><td>0</td><td>0.00%</td><td>100.00%</td></tr> <tr><td>45</td><td>0</td><td>0.00%</td><td>100.00%</td></tr> <tr><td>46</td><td>0</td><td>0.00%</td><td>100.00%</td></tr> <tr><td>47</td><td>0</td><td>0.00%</td><td>100.00%</td></tr> <tr><td>48</td><td>0</td><td>0.00%</td><td>100.00%</td></tr> <tr><td>49</td><td>0</td><td>0.00%</td><td>100.00%</td></tr> <tr><td>50</td><td>0</td><td>0.00%</td><td>100.00%</td></tr> <tr><td>51</td><td>0</td><td>0.00%</td><td>100.00%</td></tr> <tr><td>52</td><td>0</td><td>0.00%</td><td>100.00%</td></tr> <tr><td>53</td><td>0</td><td>0.00%</td><td>100.00%</td></tr> <tr><td>54</td><td>0</td><td>0.00%</td><td>100.00%</td></tr> <tr> <td>Totals:</td> <td>100</td> <td>100.00%</td> <td></td> <td></td> </tr> </tbody> </table>					MPH	Frequency	Percent	Cumulative %	10	0	0.00%	0.00%	11	0	0.00%	0.00%	12	1	1.00%	1.00%	13	0	0.00%	1.00%	14	0	0.00%	1.00%	15	0	0.00%	1.00%	16	2	2.00%	3.00%	17	3	3.00%	6.00%	18	1	1.00%	7.00%	19	2	2.00%	9.00%	20	3	3.00%	12.00%	21	6	6.00%	18.00%	22	3	3.00%	21.00%	23	2	2.00%	23.00%	24	5	5.00%	28.00%	25	7	7.00%	35.00%	26	13	13.00%	48.00%	27	8	8.00%	56.00%	28	10	10.00%	66.00%	29	6	6.00%	72.00%	30	5	5.00%	77.00%	31	7	7.00%	84.00%	32	3	3.00%	87.00%	33	7	7.00%	94.00%	34	1	1.00%	95.00%	35	2	2.00%	97.00%	36	1	1.00%	98.00%	37	0	0.00%	98.00%	38	1	1.00%	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%	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%		
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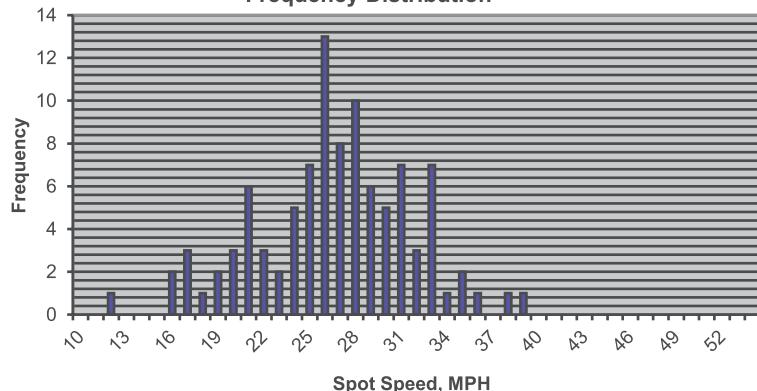
Data Analysis:

Time Mean Speed:	26.6	MPH
Sample Variance:	25.85	
Standard Deviation:	5.1	
Variance of the Mean:	0.2585	
Standard Error of the Mean:	0.5	
10 MPH Pace:	24	To: 33 MPH
Percent in Pace:	71.0%	
Vehicles in Pace:	71	
50th Percentile Speed:	27	MPH
85th Percentile Speed:	32	MPH
90th Percentile Speed:	33	MPH
95th Percentile Speed:	34	MPH

Cumulative Frequency Distribution



Frequency Distribution



SPEED SURVEY FIELD SHEET

CITY OF SALINAS

Central Ave btwn Villa St + Lincoln Ave

DATE 4/20/22 DAY Wed

TIME 12:00 TO 12:55

OBSERVER *Engle*

CALCULATED BY E_{min}

WEATHER 56.228

Direction: Andy ~~Andy~~ Cast

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

||||| ||||| ||||| ||||| ||||| |||||

Direction: Oncoming ~~W~~ 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				
38	X			
37				
36	X			
35	X			
34	X			
33	X	X	X	
32	X			
31	X	X	X	X
30	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		
24	X	X	X	
23	X			
22	X			
21	X	X	X	X
20	X	X	X	X
19				
18	X			
17	X	X		
16	X			
15				
14				
13				
12				
11				
10				

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

STREET: **CONSTITUTION BOULEVARD**
BETWEEN: **INDEPENDENCE BLVD & E LAUREL DR**
SURVEY DATE: **04/20/2022 (EXPIRES IN 2027)**

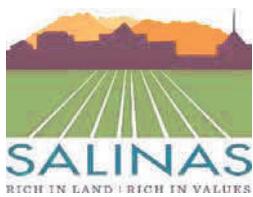
28



COMMENTS:

This segment of Constitution Boulevard is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes a park, backing residential homes, and retail areas. Speed data collected April 20, 2022 revealed the 85th percentile speed of 50 mph. The 10 mph pace ranges from 41 mph to 50 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 45 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 3,900 Feet		
Vertical Alignment	Flat		
Street Width	86 Feet		
No. Lanes and Median	4-Lane Minor Arterial		
Proposed Speed Zone	45 MPH		
85th Percentile Speed	50 MPH		
Traffic Volume (Date)	24,805 (2022)		
Accident Data (2 years)	11 Collisions (2019-2020)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	0.90 Acc./MVM		

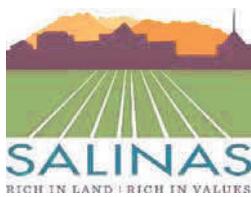


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Constitution Boulevard		Direction: <u>EBD</u>	Comments: <u>No. 28</u>
Between:	Independence Boulevard and Laurel Drive			
Survey Location:	Between Laurel Drive and Manchester Drive			
Speed Limit:	45 MPH			
Date:	04/20/22		Day: <u>Wednesday</u>	
Hours: From:	01:15		To: <u>02:05</u>	
Weather:	Sunny			
Observer(s):	Emileo			
MPH	Frequency	Percent	Cumulative %	Data Analysis:
10	0	0.00%	0.00%	Time Mean Speed: <u>43.3</u> MPH
11	0	0.00%	0.00%	Sample Variance: <u>45.33</u>
12	0	0.00%	0.00%	Standard Deviation: <u>6.7</u>
13	0	0.00%	0.00%	Variance of the Mean: <u>0.9066</u>
14	0	0.00%	0.00%	Standard Error of the Mean: <u>1.0</u>
15	0	0.00%	0.00%	10 MPH Pace: <u>43</u> To: <u>52</u> MPH
16	0	0.00%	0.00%	Percent in Pace: <u>58.0%</u>
17	0	0.00%	0.00%	Vehicles in Pace: <u>29</u>
18	0	0.00%	0.00%	50th Percentile Speed: <u>44</u> MPH
19	0	0.00%	0.00%	85th Percentile Speed: <u>50</u> MPH
20	0	0.00%	0.00%	90th Percentile Speed: <u>51</u> MPH
21	0	0.00%	0.00%	95th Percentile Speed: <u>52</u> MPH
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	2	4.00%	8.00%	
32	0	0.00%	8.00%	
33	0	0.00%	8.00%	
34	3	6.00%	14.00%	
35	0	0.00%	14.00%	
36	2	4.00%	18.00%	
37	1	2.00%	20.00%	
38	3	6.00%	26.00%	
39	0	0.00%	26.00%	
40	3	6.00%	32.00%	
41	1	2.00%	34.00%	
42	2	4.00%	38.00%	
43	4	8.00%	46.00%	
44	3	6.00%	52.00%	
45	1	2.00%	54.00%	
46	2	4.00%	58.00%	
47	7	14.00%	72.00%	
48	1	2.00%	74.00%	
49	4	8.00%	82.00%	
50	3	6.00%	88.00%	
51	1	2.00%	90.00%	
52	3	6.00%	96.00%	
53	0	0.00%	96.00%	
54	2	4.00%	100.00%	
Totals:	50	100.00%		

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Constitution Boulevard		Direction: <u>WBD</u>	Comments: <u>No. 28</u>
Between:	Independence Boulevard and Laurel Drive			
Survey Location:	Between Laurel Drive and Manchester Drive			
Speed Limit:	45 MPH			
Date:	04/20/22		Day: <u>Wednesday</u>	
Hours: From:	01:15		To: <u>02:05</u>	
Weather:	Sunny			
Observer(s):	Emileo			
MPH	Frequency	Percent	Cumulative %	Data Analysis:
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	1	2.00%	4.00%	
25	0	0.00%	4.00%	
26	2	4.00%	8.00%	
27	0	0.00%	8.00%	
28	1	2.00%	10.00%	
29	0	0.00%	10.00%	
30	2	4.00%	14.00%	
31	0	0.00%	14.00%	
32	0	0.00%	14.00%	
33	3	6.00%	20.00%	
34	1	2.00%	22.00%	
35	1	2.00%	24.00%	
36	2	4.00%	28.00%	
37	0	0.00%	28.00%	
38	3	6.00%	34.00%	
39	1	2.00%	36.00%	
40	6	12.00%	48.00%	
41	2	4.00%	52.00%	
42	1	2.00%	54.00%	
43	3	6.00%	60.00%	
44	1	2.00%	62.00%	
45	1	2.00%	64.00%	
46	3	6.00%	70.00%	
47	4	8.00%	78.00%	
48	1	2.00%	80.00%	
49	2	4.00%	84.00%	
50	8	16.00%	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%		

Time Mean Speed: 40.6 MPH

Sample Variance: 61.01

Standard Deviation: 7.8

Variance of the Mean: 1.2202

Standard Error of the Mean: 1.1

10 MPH Pace: 41 To: 50 MPH

Percent in Pace: 52.0%

Vehicles in Pace: 26

50th Percentile Speed: 41 MPH

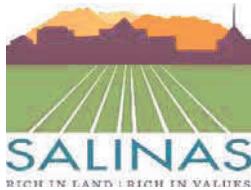
85th Percentile Speed: 50 MPH

90th Percentile Speed: 50 MPH

95th Percentile Speed: 50 MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Constitution Boulevard		Direction:	EBD/WBD	Comments:
Between:	Independence Boulevard and Laurel Drive			No. 28	
Survey Location:	Between Laurel Drive and Manchester Drive				
Speed Limit:	45 MPH				
Date:	04/20/22		Day:	Wednesday	
Hours:	From: 01:15		To:	02:05	
Weather:	Sunny				
Observer(s):	Emileo				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
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	0	0.00%	1.00%		
23	0	0.00%	1.00%		
24	1	1.00%	2.00%		
25	0	0.00%	2.00%		
26	2	2.00%	4.00%		
27	1	1.00%	5.00%		
28	1	1.00%	6.00%		
29	1	1.00%	7.00%		
30	2	2.00%	9.00%		
31	2	2.00%	11.00%		
32	0	0.00%	11.00%		
33	3	3.00%	14.00%		
34	4	4.00%	18.00%		
35	1	1.00%	19.00%		
36	4	4.00%	23.00%		
37	1	1.00%	24.00%		
38	6	6.00%	30.00%		
39	1	1.00%	31.00%		
40	9	9.00%	40.00%		
41	3	3.00%	43.00%		
42	3	3.00%	46.00%		
43	7	7.00%	53.00%		
44	4	4.00%	57.00%		
45	2	2.00%	59.00%		
46	5	5.00%	64.00%		
47	11	11.00%	75.00%		
48	2	2.00%	77.00%		
49	6	6.00%	83.00%		
50	11	11.00%	94.00%		
51	1	1.00%	95.00%		
52	3	3.00%	98.00%		
53	0	0.00%	98.00%		
54	2	2.00%	100.00%		
Totals:	100	100.00%			

Cumulative Frequency Distribution

Frequency Distribution

SITE CODE
28

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

LOCATION Construction Block between Independence Blvd + Laurel DrDATE 10/20/2010 DAY WedTIME 1:15 TO 2:05OBSERVER Emi CALCULATED BY EmiWEATHER rainy

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	X			
53				
52	X X X			
51	X			
50	X X X			
49	X X X			
48	X			
47	X X X X X X X			
46	X X X X X			
45	X			
44	X X X			
43	X X X X			
42	X X X			
41	X			
40	X X X			
39				
38	X X X			
37	X			
36	X X			
35				
34	X X X			
33	X X			
32				
31	X X			
30				
29	X			
28				
27	X			
26				
25				
24				
23				
22				
21				
20				
19				
18				
17				
16				
15				
14				
13				
12				
11				
10				

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	X X X X X X X X X			
49	X X			
48	X			
47	X X X X X			
46	X X X			
45	X			
44	X X X			
43	X X X X			
42	X X X			
41	X X			
40	X X X X X X X X X			
39	X			
38	X X X			
37	X			
36	X X			
35	X			
34	X			
33	X X X			
32				
31				
30	X X			
29				
28	X			
27				
26	X X			
25				
24	X			
23				
22				
21	X			
20				
19				
18				
17				
16				
15				
14				
13				
12				
11				
10				

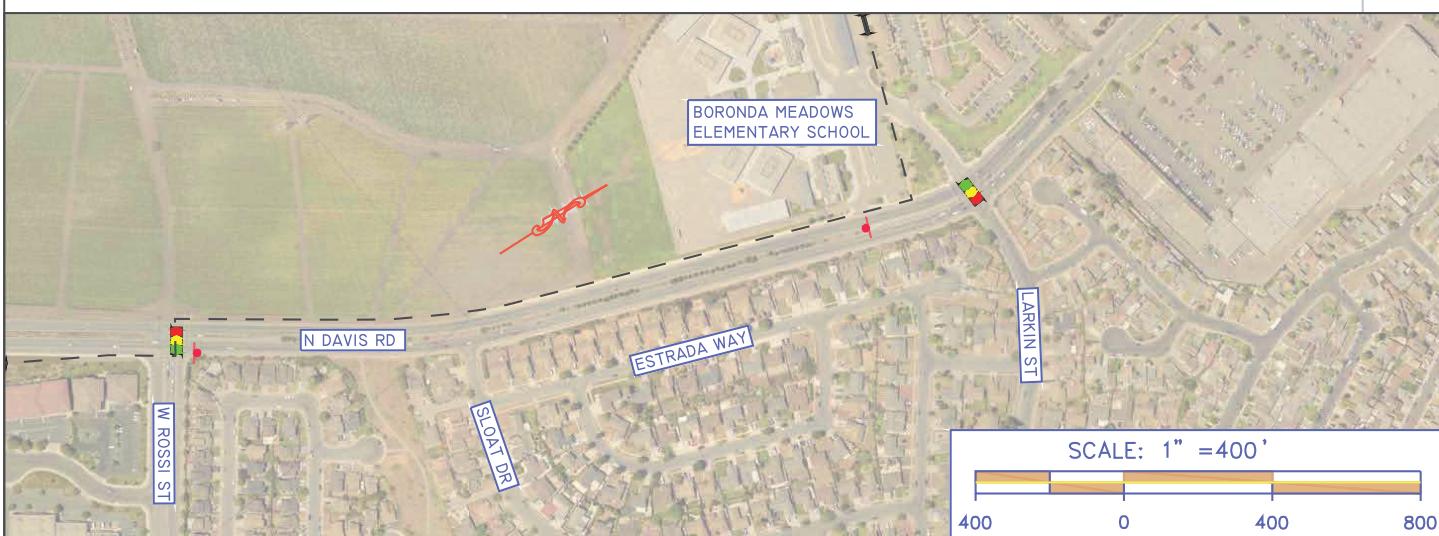
THH THH THH THH THH THH
THH THH THH THH THH

THH THH THH THH THH
THH THH THH THH THH

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

STREET: **NORTH DAVIS ROAD**
BETWEEN: **W ROSSI ST & LARKIN ST**
SURVEY DATE: **07/26/2022 (EXPIRES IN 2027)**

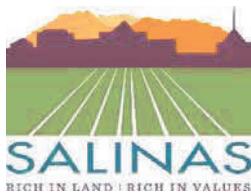
30



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 backing residential homes, and park areas. Speed data collected July 26, 2022 revealed the 85th percentile speed of 46 mph. The 10 mph pace ranges from 38 mph to 47 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded to the nearest 5 mph, the existing posted speed limit of 45 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 2,200 Feet		
Vertical Alignment	Flat		
Street Width	86 Feet		
No. Lanes and Median	4-Lane Major Arterial		
Proposed Speed Zone	45 MPH		
85t Percentile Speed	46 MPH		
Traffic Volume (Date)	23,728 (2022)		
Accident Data (2 years)	8 Collisions (2019-2020)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	1.30 Acc./MVM	<ul style="list-style-type: none"> ALL-WAY STOP SIGNAL SPEED SIGN CITY LIMITS CROSSWALK SCHOOL CROSSWALK 	

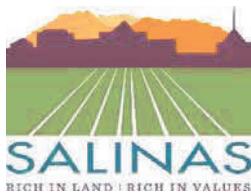


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	North Davis Road		Direction: <u>NBD</u>	Comments: <u>No. 30</u>
Between:	West Rossi Street and Larkin Street			
Survey Location:				
Speed Limit:	45	MPH		
Date:	07/26/22		Day: <u>Tuesday</u>	
Hours:	From: <u>11:32</u>		To: <u>11:55</u>	
Weather:	Overcast			
Observer(s):	Chris and Eva			
MPH	Frequency	Percent	Cumulative %	Data Analysis:
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	0	0.00%	0.00%	
19	0	0.00%	0.00%	
20	0	0.00%	0.00%	
21	0	0.00%	0.00%	
22	0	0.00%	0.00%	
23	0	0.00%	0.00%	
24	0	0.00%	0.00%	
25	0	0.00%	0.00%	
26	0	0.00%	0.00%	
27	0	0.00%	0.00%	
28	0	0.00%	0.00%	
29	0	0.00%	0.00%	
30	0	0.00%	0.00%	
31	0	0.00%	0.00%	
32	1	2.00%	2.00%	
33	0	0.00%	2.00%	
34	2	4.00%	6.00%	
35	0	0.00%	6.00%	
36	5	10.00%	16.00%	
37	0	0.00%	16.00%	
38	6	12.00%	28.00%	
39	4	8.00%	36.00%	
40	5	10.00%	46.00%	
41	8	16.00%	62.00%	
42	4	8.00%	70.00%	
43	6	12.00%	82.00%	
44	3	6.00%	88.00%	
45	2	4.00%	92.00%	
46	4	8.00%	100.00%	
47	0	0.00%	100.00%	
48	0	0.00%	100.00%	
49	0	0.00%	100.00%	
50	0	0.00%	100.00%	
51	0	0.00%	100.00%	
52	0	0.00%	100.00%	
53	0	0.00%	100.00%	
54	0	0.00%	100.00%	
Totals:	50	100.00%		

Cumulative Frequency Distribution

Frequency Distribution

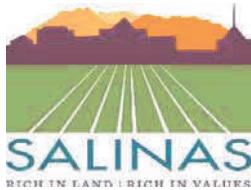


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	North Davis Road		Direction: <u>SBD</u>		Comments:
Between:				No. 30	
Survey Location:	West Rossi Street and Larkin Street				
Speed Limit:	45 MPH				
Date:	07/26/22		Day:	Tuesday	
Hours:	From:	11:32	To:	11:55	
Weather:	Overcast				
Observer(s):	Chris and Eva				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%		
11	0	0.00%	0.00%		
12	0	0.00%	0.00%		
13	0	0.00%	0.00%		
14	0	0.00%	0.00%		
15	0	0.00%	0.00%		
16	0	0.00%	0.00%		
17	0	0.00%	0.00%		
18	0	0.00%	0.00%		
19	0	0.00%	0.00%		
20	0	0.00%	0.00%		
21	0	0.00%	0.00%		
22	0	0.00%	0.00%		
23	0	0.00%	0.00%		
24	0	0.00%	0.00%		
25	0	0.00%	0.00%		
26	0	0.00%	0.00%		
27	0	0.00%	0.00%		
28	0	0.00%	0.00%		
29	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	3	6.00%	6.00%		
35	7	14.00%	20.00%		
36	4	8.00%	28.00%		
37	4	8.00%	36.00%		
38	2	4.00%	40.00%		
39	0	0.00%	40.00%		
40	3	6.00%	46.00%		
41	2	4.00%	50.00%		
42	1	2.00%	52.00%		
43	0	0.00%	52.00%		
44	5	10.00%	62.00%		
45	4	8.00%	70.00%		
46	7	14.00%	84.00%		
47	8	16.00%	100.00%		
48	0	0.00%	100.00%		
49	0	0.00%	100.00%		
50	0	0.00%	100.00%		
51	0	0.00%	100.00%		
52	0	0.00%	100.00%		
53	0	0.00%	100.00%		
54	0	0.00%	100.00%		
Totals:	50	100.00%			

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	North Davis Road		Direction:	NBD/SBD	Comments: No. 30	
Between:	West Rossi Street and Larkin Street					
Survey Location:						
Speed Limit:	45	MPH				
Date:	07/26/22		Day:	Tuesday		
Hours:	From:	11:32	To:	11:55		
Weather:	Overcast					
Observer(s):	Chris and Eva					
MPH	Frequency	Percent	Cumulative %	Data Analysis:		
10	0	0.00%	0.00%			
11	0	0.00%	0.00%			
12	0	0.00%	0.00%			
13	0	0.00%	0.00%			
14	0	0.00%	0.00%			
15	0	0.00%	0.00%			
16	0	0.00%	0.00%			
17	0	0.00%	0.00%			
18	0	0.00%	0.00%			
19	0	0.00%	0.00%			
20	0	0.00%	0.00%			
21	0	0.00%	0.00%			
22	0	0.00%	0.00%			
23	0	0.00%	0.00%			
24	0	0.00%	0.00%			
25	0	0.00%	0.00%			
26	0	0.00%	0.00%			
27	0	0.00%	0.00%			
28	0	0.00%	0.00%			
29	0	0.00%	0.00%			
30	0	0.00%	0.00%			
31	0	0.00%	0.00%			
32	1	1.00%	1.00%			
33	0	0.00%	1.00%			
34	5	5.00%	6.00%			
35	7	7.00%	13.00%			
36	9	9.00%	22.00%			
37	4	4.00%	26.00%			
38	8	8.00%	34.00%			
39	4	4.00%	38.00%			
40	8	8.00%	46.00%			
41	10	10.00%	56.00%			
42	5	5.00%	61.00%			
43	6	6.00%	67.00%			
44	8	8.00%	75.00%			
45	6	6.00%	81.00%			
46	11	11.00%	92.00%			
47	8	8.00%	100.00%			
48	0	0.00%	100.00%			
49	0	0.00%	100.00%			
50	0	0.00%	100.00%			
51	0	0.00%	100.00%			
52	0	0.00%	100.00%			
53	0	0.00%	100.00%			
54	0	0.00%	100.00%			
Totals:	100	100.00%				

Cumulative Frequency Distribution

Frequency Distribution

2

SPEED SURVEY FIELD SHEET

SITE CODE
30

LOCATION

CITY OF SALINAS

DATE

7-26-22 DAY

Tuesday

TIME 11:32 TO 11:55

OBSERVER

Eua

CALCULATED BY

Chris

WEATHER overcast

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	X	X	X
45	X	X	X	X
44	X	X	X	X
43	X	X	X	X
42	X	X	X	X
41	X	X	X	X
40	X	X	X	X
39	X	X	X	X
38	X	X	X	X
37	X	X	X	X
36	X	X	X	X
35				
34	X	X		
33				
32	X			
31				
30				
29				
28				
27				
26				
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24				
23				
22				
21				
20				
19				
18				
17				
16				
15				
14				
13				
12				
11				
10				

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

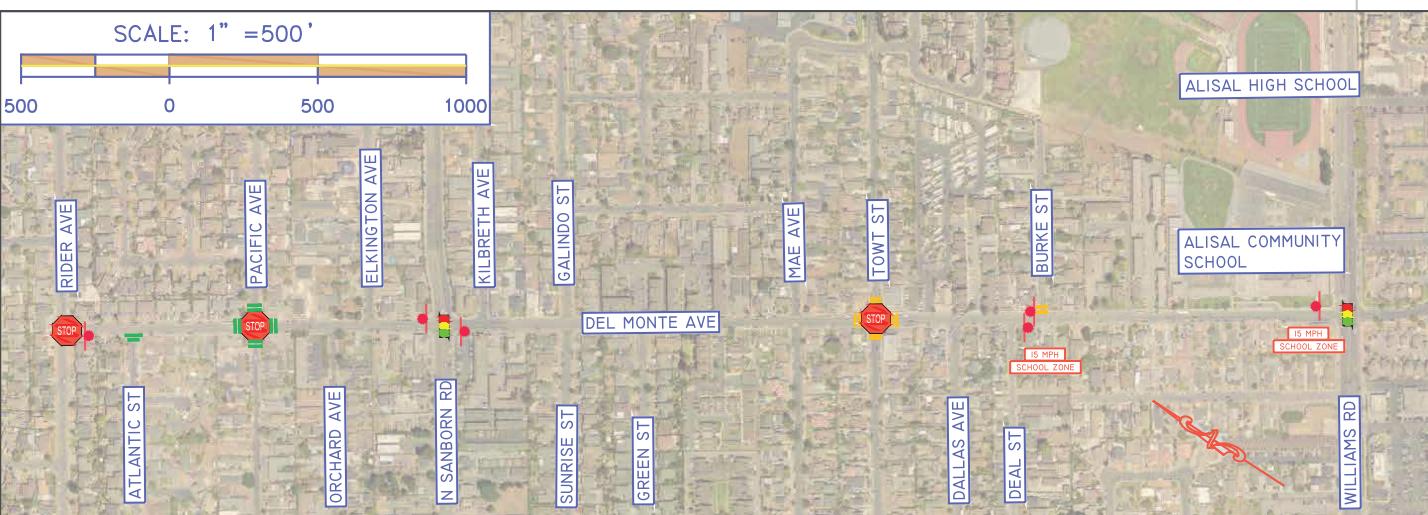
 Number: 1 Author: jonathanh Subject: Text Box Date: 9/26/2022 2:23:34 PM

 Number: 2 Author: jonathanh Subject: Text Box Date: 9/26/2022 2:23:46 PM

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

STREET: **DEL MONTE AVENUE**
BETWEEN: **RIDER AVE & WILLIAMS RD**
SURVEY DATE: **06/01/2022 (EXPIRES IN 2027)**

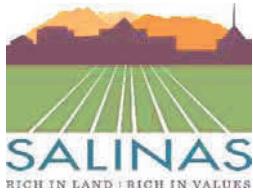
31



COMMENTS:

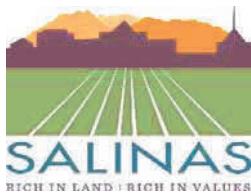
This segment of Del Monte Avenue is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes fronting residential homes and a school. Speed data collected June 1, 2022 revealed the 85th percentile speed of 30 mph. The 10 mph pace ranges from 21 mph to 30 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 25 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 4,700 Feet		
Vertical Alignment	Flat		
Street Width	44 Feet		
No. Lanes and Median	2-Lane Minor Arterial		
Proposed Speed Zone	25 MPH		
85th Percentile Speed	30 MPH		
Traffic Volume (Date)	7,264 (2019)		
Accident Data (2 years)	18 Collisions (2019-2020)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	3.81 Acc./MVM	ALL-WAY STOP SIGNAL SPEED SIGN CITY LIMITS CROSSWALK SCHOOL CROSSWALK	



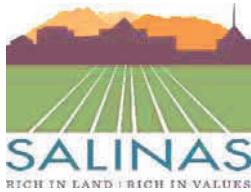
CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

<p>Street: <u>Del Monte Ave</u> Direction: <u>NBD</u> Between: <u>Rider Avenue and Williams Road</u> Survey Location: <u>Between Green Street and Sunset Street</u> Speed Limit: <u>25 MPH</u> Date: <u>06/01/22</u> Day: <u>Wednesday</u> Hours: From: <u>10:30</u> To: <u>11:20</u> Weather: <u>Sunny</u> Observer(s): <u>Emi and Eva</u></p>	<p>Comments: <u>No. 31</u></p>
Data Analysis:	
<p>Time Mean Speed: <u>25.5 MPH</u> Sample Variance: <u>29.56</u> Standard Deviation: <u>5.4</u> Variance of the Mean: <u>0.5912</u> Standard Error of the Mean: <u>0.8</u> 10 MPH Pace: <u>21</u> To: <u>30 MPH</u> Percent in Pace: <u>70.0%</u> Vehicles in Pace: <u>35</u> 50th Percentile Speed: <u>25 MPH</u> 85th Percentile Speed: <u>30 MPH</u> 90th Percentile Speed: <u>33 MPH</u> 95th Percentile Speed: <u>35 MPH</u></p>	
Cumulative Frequency Distribution	
Frequency Distribution	
<p>Totals: <u>50</u> <u>100.00%</u></p>	



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street: Del Monte Ave Between: Rider Avenue and Williams Road Survey Location: Between Green Street and Sunset Street Speed Limit: 25 MPH Date: 06/01/22 Hours: From: 10:30 Weather: Sunny Observer(s): Emi and Eva	Direction: SBD Comments: No. 31 Day: Wednesday To: 11:20
Data Analysis:	
<p>Time Mean Speed: 25.5 MPH Sample Variance: 29.72 Standard Deviation: 5.5 Variance of the Mean: 0.5944 Standard Error of the Mean: 0.8 10 MPH Pace: 21 To: 30 MPH Percent in Pace: 72.0% Vehicles in Pace: 36 50th Percentile Speed: 25 MPH 85th Percentile Speed: 31 MPH 90th Percentile Speed: 31 MPH 95th Percentile Speed: 34 MPH</p>	
Cumulative Frequency Distribution	
Frequency Distribution	
Totals: 50 100.00%	



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Del Monte Ave		Direction:	NBD/SBD	Comments: No. 31
Between:	Rider Avenue and Williams Road				
Survey Location:	Between Green Street and Sunset Street				
Speed Limit:	25 MPH				
Date:	06/01/22		Day:	Wednesday	
Hours:	From:	10:30	To:	11:20	
Weather:	Sunny				
Observer(s):	Emi and Eva				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%	Time Mean Speed: 25.5 MPH	
11	0	0.00%	0.00%	Sample Variance: 29.34	
12	0	0.00%	0.00%	Standard Deviation: 5.4	
13	0	0.00%	0.00%	Variance of the Mean: 0.2934	
14	1	1.00%	1.00%	Standard Error of the Mean: 0.5	
15	3	3.00%	4.00%	10 MPH Pace: 21 MPH	
16	2	2.00%	6.00%	Percent in Pace: 71.0%	
17	1	1.00%	7.00%	Vehicles in Pace: 71	
18	2	2.00%	9.00%	50th Percentile Speed: 25 MPH	
19	1	1.00%	10.00%	85th Percentile Speed: 30 MPH	
20	5	5.00%	15.00%	90th Percentile Speed: 32 MPH	
21	3	3.00%	18.00%	95th Percentile Speed: 35 MPH	
22	9	9.00%	27.00%		
23	7	7.00%	34.00%		
24	9	9.00%	43.00%		
25	10	10.00%	53.00%		
26	10	10.00%	63.00%		
27	9	9.00%	72.00%		
28	5	5.00%	77.00%		
29	2	2.00%	79.00%		
30	7	7.00%	86.00%		
31	3	3.00%	89.00%		
32	3	3.00%	92.00%		
33	0	0.00%	92.00%		
34	2	2.00%	94.00%		
35	3	3.00%	97.00%		
36	0	0.00%	97.00%		
37	1	1.00%	98.00%		
38	0	0.00%	98.00%		
39	0	0.00%	98.00%		
40	0	0.00%	98.00%		
41	1	1.00%	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%		
48	0	0.00%	100.00%		
49	0	0.00%	100.00%		
50	0	0.00%	100.00%		
51	0	0.00%	100.00%		
52	0	0.00%	100.00%		
53	0	0.00%	100.00%		
54	0	0.00%	100.00%		
Totals:	100	100.00%			

Cumulative Frequency Distribution

Frequency Distribution

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE
31

Del Monte Ave between Rider Ave + Williams Rd

6/11/2022 DAY wed

TIME 10:30 TO 11:20

EVER

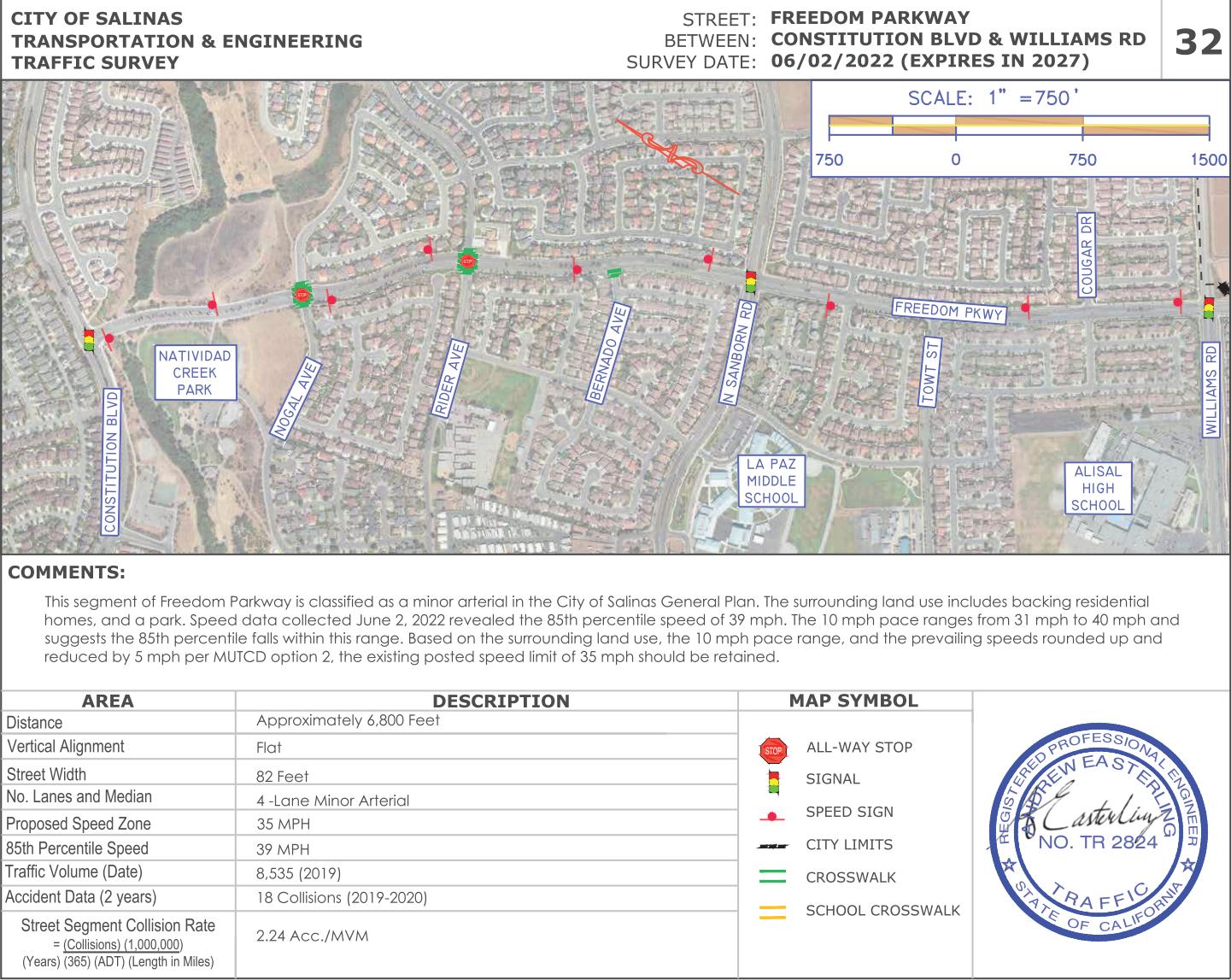
F_{m2}

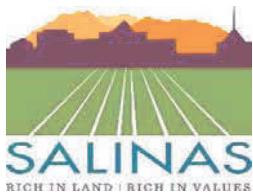
CALCULATED BY *Frank Farc*

WEATHER *Sunny*

on: *Always nervous*

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





CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Freedom Parkway		Direction: <u>SBD</u>	Comments: <u>No. 32</u>
Between:	<u>Constitution Boulevard and Williams Road</u>			
Survey Location:	<u>Between Rider Avenue and Bernardo Avenue</u>			
Speed Limit:	<u>35 MPH</u>			
Date:	<u>06/02/22</u>	Day:	<u>Thursday</u>	
Hours:	From: <u>02:32</u>	To:	<u>03:20</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Emi and Eva</u>			
MPH	Frequency	Percent	Cumulative %	Data Analysis:
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	0	0.00%	2.00%	
28	3	6.00%	8.00%	
29	0	0.00%	8.00%	
30	3	6.00%	14.00%	
31	3	6.00%	20.00%	
32	8	16.00%	36.00%	
33	5	10.00%	46.00%	
34	4	8.00%	54.00%	
35	3	6.00%	60.00%	
36	8	16.00%	76.00%	
37	6	12.00%	88.00%	
38	2	4.00%	92.00%	
39	1	2.00%	94.00%	
40	2	4.00%	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%	
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%		

Time Mean Speed: 34.1 MPH

Sample Variance: 11.89

Standard Deviation: 3.4

Variance of the Mean: 0.2378

Standard Error of the Mean: 0.5

10 MPH Pace: 28 To: 37 MPH

Percent in Pace: 86.0%

Vehicles in Pace: 43

50th Percentile Speed: 34 MPH

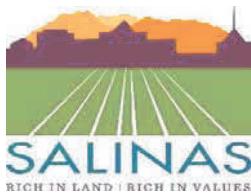
85th Percentile Speed: 37 MPH

90th Percentile Speed: 38 MPH

95th Percentile Speed: 40 MPH

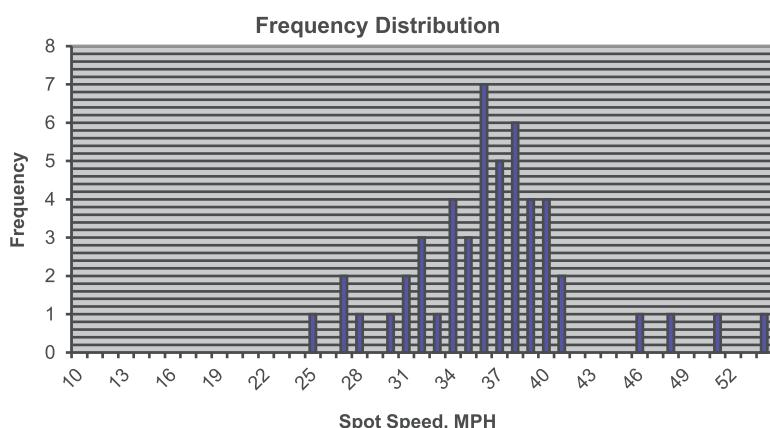
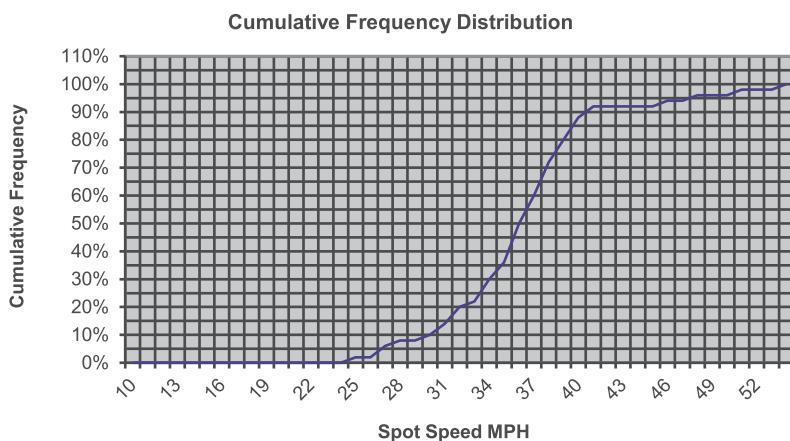
Cumulative Frequency Distribution

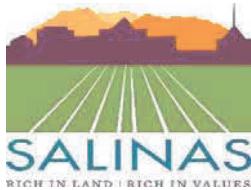
Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Freedom Parkway			Direction: <u>NBD</u>	Comments: <u>No. 32</u>
Between:	Constitution Boulevard and Williams Road				
Survey Location:	Between Rider Avenue and Bernardo Avenue				
Speed Limit:	35 MPH				
Date:	06/02/22		Day:	Thursday	
Hours:	From: 02:32		To:	03:20	
Weather:	Sunny				
Observer(s):	Emi and Eva				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
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	2	4.00%	6.00%		
28	1	2.00%	8.00%		
29	0	0.00%	8.00%		
30	1	2.00%	10.00%		
31	2	4.00%	14.00%		
32	3	6.00%	20.00%		
33	1	2.00%	22.00%		
34	4	8.00%	30.00%		
35	3	6.00%	36.00%		
36	7	14.00%	50.00%		
37	5	10.00%	60.00%		
38	6	12.00%	72.00%		
39	4	8.00%	80.00%		
40	4	8.00%	88.00%		
41	2	4.00%	92.00%		
42	0	0.00%	92.00%		
43	0	0.00%	92.00%		
44	0	0.00%	92.00%		
45	0	0.00%	92.00%		
46	1	2.00%	94.00%		
47	0	0.00%	94.00%		
48	1	2.00%	96.00%		
49	0	0.00%	96.00%		
50	0	0.00%	96.00%		
51	1	2.00%	98.00%		
52	0	0.00%	98.00%		
53	0	0.00%	98.00%		
54	1	2.00%	100.00%		
Totals:	50	100.00%			





CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Freedom Parkway			Direction: <u>SBD/NBD</u>	Comments: <u>No. 32</u>
Between:	Constitution Boulevard and Williams Road				
Survey Location:	Between Rider Avenue and Bernardo Avenue				
Speed Limit:	35 MPH				
Date:	06/02/22		Day:	Thursday	
Hours:	From: 02:32		To:	03:20	
Weather:	Sunny				
Observer(s):	Emi and Eva				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
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	1	1.00%	2.00%		
27	2	2.00%	4.00%		
28	4	4.00%	8.00%		
29	0	0.00%	8.00%		
30	4	4.00%	12.00%		
31	5	5.00%	17.00%		
32	11	11.00%	28.00%		
33	6	6.00%	34.00%		
34	8	8.00%	42.00%		
35	6	6.00%	48.00%		
36	15	15.00%	63.00%		
37	11	11.00%	74.00%		
38	8	8.00%	82.00%		
39	5	5.00%	87.00%		
40	6	6.00%	93.00%		
41	2	2.00%	95.00%		
42	0	0.00%	95.00%		
43	1	1.00%	96.00%		
44	0	0.00%	96.00%		
45	0	0.00%	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	1	1.00%	99.00%		
52	0	0.00%	99.00%		
53	0	0.00%	99.00%		
54	1	1.00%	100.00%		
Totals:	100	100.00%			

Cumulative Frequency Distribution

Frequency Distribution

SITE CODE
32

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

LOCATION Freedom Drwy bton Constitution Blvd + Williams Rd

DATE 6/21/2022 DAY Thursday

TIME 2:32 TO 3:20

OBSERVER Emi

CALCULATED BY Eva

WEATHER Sunny

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

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	X			
53				
52				
51	X			
50				
49				
48	X			
47				
46	X			
45				
44				
43				
42				
41	X	X		
40	X	X	X	
39	X	X	X	
38	X	X	X	
37	X	X	X	X
36	X	X	X	X
35	X	X	X	
34	X	X	X	
33	X	X	X	
32	X	X	X	X
31	X	X	X	
30	X	X	X	
29				
28	X			
27	X			
26				
25	X			
24				
23				
22				
21				
20				
19				
18				
17				
16				
15				
14				
13				
12				
11				
10				

Number: 1 Author: jonathanh Subject: Text Box Date: 9/26/2022 2:24:36 PM

Number: 2 Author: jonathanh Subject: Text Box Date: 9/26/2022 2:24:29 PM

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

**STREET: HARKINS ROAD
BETWEEN: HANSEN ST/SCHILLING ST & SOUTHERLY CITY LIMITS
SURVEY DATE: 03/23/2022 (EXPIRES IN 2027)**

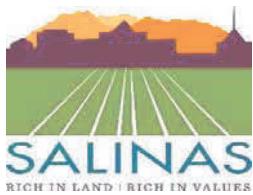
35



COMMENTS:

This segment of Harkins Road is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes industrial and mixed-use areas. Speed data collected March 23, 2022 revealed the 85th percentile speed of 38 mph. The 10 mph pace ranges from 29 mph to 38 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded up and reduced by 5 mph per MUTCD option 2, the existing posted speed limit of 35 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 5,250 Feet		
Vertical Alignment	Flat		
Street Width	Varies (64 to 84 Feet)		
No. Lanes and Median	5-Lane Minor Arterial		
Proposed Speed Zone	35 MPH		
85th Percentile Speed	38 MPH		
Traffic Volume (Date)	14,923 (2019)		
Accident Data (2 years)	1 Collision (2019-2020)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	0.09 Acc./MVM	STOP SIGNAL SPEED SIGN CITY LIMITS CROSSWALK SCHOOL CROSSWALK	



**CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
*RADAR SURVEY***

Street:	Harkins Road		Direction:	WBD	Comments: No. 35
Between:	Hansen Street/Schilling Place and Southerly City Limit				
Survey Location:	1044 Harkins Road				
Speed Limit:	35 MPH				
Date:	03/23/22	Day:	Wednesday		
Hours:	From: 01:20	To:	01:50		
Weather:	Sunny				
Observer(s):	Emilio				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
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	0	0.00%	2.00%		
19	0	0.00%	2.00%		
20	1	2.00%	4.00%		
21	0	0.00%	4.00%		
22	0	0.00%	4.00%		
23	2	4.00%	8.00%		
24	0	0.00%	8.00%		
25	0	0.00%	8.00%		
26	0	0.00%	8.00%		
27	1	2.00%	10.00%		
28	0	0.00%	10.00%		
29	3	6.00%	16.00%		
30	4	8.00%	24.00%		
31	2	4.00%	28.00%		
32	2	4.00%	32.00%		
33	3	6.00%	38.00%		
34	2	4.00%	42.00%		
35	6	12.00%	54.00%		
36	5	10.00%	64.00%		
37	1	2.00%	66.00%		
38	4	8.00%	74.00%		
39	4	8.00%	82.00%		
40	2	4.00%	86.00%		
41	2	4.00%	90.00%		
42	1	2.00%	92.00%		
43	2	4.00%	96.00%		
44	1	2.00%	98.00%		
45	0	0.00%	98.00%		
46	0	0.00%	98.00%		
47	0	0.00%	98.00%		
48	1	2.00%	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%			

Time Mean Speed: 34.5 MPH

Sample Variance: 37.15

Standard Deviation: 6.1

Variance of the Mean: 0.7430

Standard Error of the Mean: 0.9

10 MPH Pace: 30 To: 39 MPH

Percent in Pace: 66.0%

Vehicles in Pace: 33

50th Percentile Speed: 35 MPH

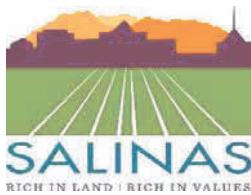
85th Percentile Speed: 40 MPH

90th Percentile Speed: 41 MPH

95th Percentile Speed: 43 MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Harkins Road			Direction: <u>EBD</u>	Comments: <u>Hansen Street/Schilling Place and Southernly City Limit</u> No. 35
Between:					
Survey Location:	1044 Harkins Road				
Speed Limit:	35 MPH				
Date:	03/23/22			Day: <u>Wednesday</u>	
Hours: From:	01:20			To: <u>01:50</u>	
Weather:	Sunny				
Observer(s):	Emileo				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%	Time Mean Speed: <u>30.7</u> MPH	
11	0	0.00%	0.00%	Sample Variance: <u>22.65</u>	
12	0	0.00%	0.00%	Standard Deviation: <u>4.8</u>	
13	0	0.00%	0.00%	Variance of the Mean: <u>0.4530</u>	
14	0	0.00%	0.00%	Standard Error of the Mean: <u>0.7</u>	
15	0	0.00%	0.00%	10 MPH Pace: <u>26</u> To: <u>35</u> MPH	
16	0	0.00%	0.00%	Percent in Pace: <u>76.0%</u>	
17	0	0.00%	0.00%	Vehicles in Pace: <u>38</u>	
18	1	2.00%	2.00%	50th Percentile Speed: <u>31</u> MPH	
19	0	0.00%	2.00%	85th Percentile Speed: <u>35</u> MPH	
20	1	2.00%	4.00%	90th Percentile Speed: <u>36</u> MPH	
21	1	2.00%	6.00%	95th Percentile Speed: <u>37</u> MPH	
22	1	2.00%	8.00%		
23	1	2.00%	10.00%		
24	0	0.00%	10.00%		
25	1	2.00%	12.00%		
26	2	4.00%	16.00%		
27	4	8.00%	24.00%		
28	0	0.00%	24.00%		
29	4	8.00%	32.00%		
30	6	12.00%	44.00%		
31	4	8.00%	52.00%		
32	5	10.00%	62.00%		
33	3	6.00%	68.00%		
34	6	12.00%	80.00%		
35	4	8.00%	88.00%		
36	2	4.00%	92.00%		
37	2	4.00%	96.00%		
38	1	2.00%	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%		
48	0	0.00%	100.00%		
49	0	0.00%	100.00%		
50	0	0.00%	100.00%		
51	0	0.00%	100.00%		
52	0	0.00%	100.00%		
53	0	0.00%	100.00%		
54	0	0.00%	100.00%		
Totals:	50	100.00%			

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Harkins Road			Direction: <u>WBD/EBD</u>	Comments: <u>No. 35</u>
Between:	<u>Hansen Street/Schilling Place and Southerly City Limit</u>				
Survey Location:	<u>1044 Harkins Road</u>				
Speed Limit:	<u>35 MPH</u>				
Date:	<u>03/23/22</u>		Day:	<u>Wednesday</u>	
Hours: From:	<u>01:20</u>		To:	<u>01:50</u>	
Weather:	<u>Sunny</u>				
Observer(s):	<u>Emileo</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%	Time Mean Speed: <u>32.6 MPH</u>	
11	0	0.00%	0.00%	Sample Variance: <u>33.24</u>	
12	0	0.00%	0.00%	Standard Deviation: <u>5.8</u>	
13	0	0.00%	0.00%	Variance of the Mean: <u>0.3324</u>	
14	0	0.00%	0.00%	Standard Error of the Mean: <u>0.6</u>	
15	0	0.00%	0.00%	10 MPH Pace: <u>29 MPH</u>	
16	0	0.00%	0.00%	Percent in Pace: <u>69.0%</u>	
17	1	1.00%	1.00%	Vehicles in Pace: <u>69</u>	
18	1	1.00%	2.00%	50th Percentile Speed: <u>33 MPH</u>	
19	0	0.00%	2.00%	85th Percentile Speed: <u>38 MPH</u>	
20	2	2.00%	4.00%	90th Percentile Speed: <u>39 MPH</u>	
21	1	1.00%	5.00%	95th Percentile Speed: <u>41 MPH</u>	
22	1	1.00%	6.00%		
23	3	3.00%	9.00%		
24	0	0.00%	9.00%		
25	1	1.00%	10.00%		
26	2	2.00%	12.00%		
27	5	5.00%	17.00%		
28	0	0.00%	17.00%		
29	7	7.00%	24.00%		
30	10	10.00%	34.00%		
31	6	6.00%	40.00%		
32	7	7.00%	47.00%		
33	6	6.00%	53.00%		
34	8	8.00%	61.00%		
35	10	10.00%	71.00%		
36	7	7.00%	78.00%		
37	3	3.00%	81.00%		
38	5	5.00%	86.00%		
39	4	4.00%	90.00%		
40	2	2.00%	92.00%		
41	3	3.00%	95.00%		
42	1	1.00%	96.00%		
43	2	2.00%	98.00%		
44	1	1.00%	99.00%		
45	0	0.00%	99.00%		
46	0	0.00%	99.00%		
47	0	0.00%	99.00%		
48	1	1.00%	100.00%		
49	0	0.00%	100.00%		
50	0	0.00%	100.00%		
51	0	0.00%	100.00%		
52	0	0.00%	100.00%		
53	0	0.00%	100.00%		
54	0	0.00%	100.00%		
Totals:	100	100.00%			

Cumulative Frequency Distribution

Frequency Distribution

1 SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE
35

LOCATION

Harkins Rd btwn Abbott St + Southerly City Limits

DATE

3/23/22 DAY Wednesday

TIME 1:20 TO 1:50

1044

Harkins Rd

OBSERVER

Emiro

CALCULATED BY

Emiro

WEATHER Sunny

35

Direction: Away 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	X			
47				
46				
45				
44	X			
43	X	X		
42				
41	X	X		
40	N	N		
39	X	X	X	
38	X	X	X	X
37	X	X	X	X
36	X	X	X	X
35	X	X	X	X
34	X	X	X	X
33	X	X	X	X
32	X	X	X	X
31	X	X	X	X
30	X	X	X	X
29	X	X	X	X
28				
27	X			
26				
25				
24				
23	X	X		
22				
21				
20	N			
19				
18				
17	X			
16				
15				
14				
13				
12				
11				
10				

THH THH THH THH THH THH
THH THH THH

Direction:

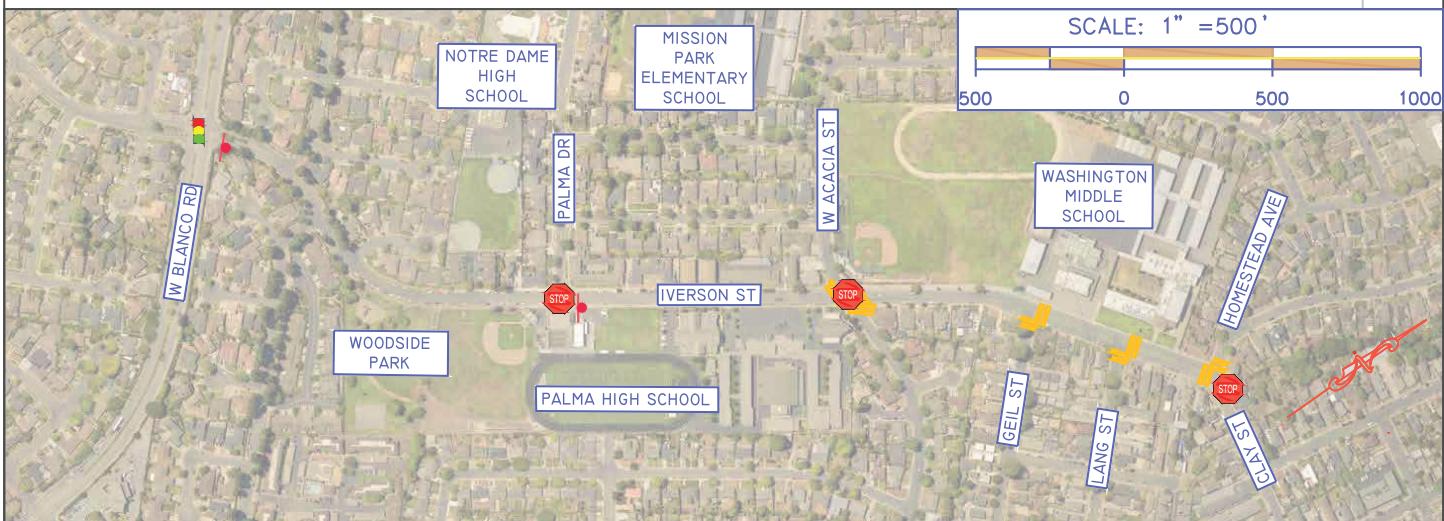
MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
66				
65				
64				
63				
62				
61				
60				
59				
58				
57				
56				
55				
54				
53				
52				
51				
50				
49				
48				
47				
46				
45				
44				
43				
42				
41	X			
40				
39				
38	X			
37	X	X		
36	X	X		
35	X	X	X	X
34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

THH THH THH THH THH THH
THH THH THH

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

**STREET: IVERSON STREET
BETWEEN: CLAY ST & W BLANCO RD
SURVEY DATE: 03/23/2022 (EXPIRES IN 2027)**

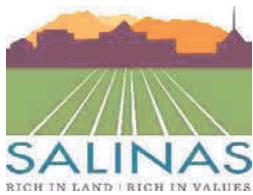
38



COMMENTS:

This segment of Iverson Street is classified as a collector in the City of Salinas General Plan. The surrounding land use includes fronting residential homes, a park, and school areas. Speed data collected March 23, 2022 revealed the 85th percentile speed of 26 mph. The 10 mph pace ranges from 17 mph to 26 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, 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 3,700 Feet		
Vertical Alignment	Flat		
Street Width	46 Feet		
No. Lanes and Median	2-Lane Collector		
Proposed Speed Zone	25 MPH		
85th Percentile Speed	26 MPH		
Traffic Volume (Date)	3,823 (2019)		
Accident Data (2 years)	0 Collisions (2019-2020)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	0.00 Acc./MVM		

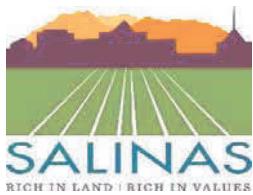


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Iverson Street			Direction: <u>SBD</u>	Comments: <u>No. 38</u>
Between:	<u>Clay Street And West Blanco Road</u>				
Survey Location:	<u>Between Iverson Drive and Palma Drive</u>				
Speed Limit:	<u>25 MPH</u>				
Date:	<u>03/23/22</u>		Day:	<u>Wednesday</u>	
Hours:	From: <u>03:30</u>		To:	<u>04:20</u>	
Weather:	<u>Sunny</u>				
Observer(s):	<u>Emileo</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
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	4	8.00%	14.00%		
19	3	6.00%	20.00%		
20	7	14.00%	34.00%		
21	4	8.00%	42.00%		
22	3	6.00%	48.00%		
23	4	8.00%	56.00%		
24	4	8.00%	64.00%		
25	7	14.00%	78.00%		
26	2	4.00%	82.00%		
27	2	4.00%	86.00%		
28	3	6.00%	92.00%		
29	2	4.00%	96.00%		
30	0	0.00%	96.00%		
31	2	4.00%	100.00%		
32	0	0.00%	100.00%		
33	0	0.00%	100.00%		
34	0	0.00%	100.00%		
35	0	0.00%	100.00%		
36	0	0.00%	100.00%		
37	0	0.00%	100.00%		
38	0	0.00%	100.00%		
39	0	0.00%	100.00%		
40	0	0.00%	100.00%		
41	0	0.00%	100.00%		
42	0	0.00%	100.00%		
43	0	0.00%	100.00%		
44	0	0.00%	100.00%		
45	0	0.00%	100.00%		
46	0	0.00%	100.00%		
47	0	0.00%	100.00%		
48	0	0.00%	100.00%		
49	0	0.00%	100.00%		
50	0	0.00%	100.00%		
51	0	0.00%	100.00%		
52	0	0.00%	100.00%		
53	0	0.00%	100.00%		
54	0	0.00%	100.00%		
Totals:	50	100.00%			

Cumulative Frequency Distribution

Frequency Distribution

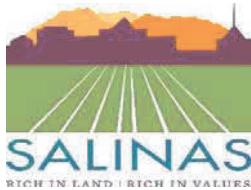


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Iverson Street			Direction: <u>NBD</u>	Comments: <u>No. 38</u>
Between:	<u>Clay Street And West Blanco Road</u>				
Survey Location:	<u>Between Iverson Drive and Palma Drive</u>				
Speed Limit:	<u>25 MPH</u>				
Date:	<u>03/23/22</u>		Day:	<u>Wednesday</u>	
Hours:	From: <u>03:30</u>	To: <u>04:20</u>			
Weather:	<u>Sunny</u>				
Observer(s):	<u>Emileo</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	<u>0</u>	0.00%	0.00%		
11	<u>0</u>	0.00%	0.00%		
12	<u>0</u>	0.00%	0.00%		
13	<u>1</u>	2.00%	2.00%		
14	<u>1</u>	2.00%	4.00%		
15	<u>3</u>	6.00%	10.00%		
16	<u>0</u>	0.00%	10.00%		
17	<u>3</u>	6.00%	16.00%		
18	<u>3</u>	6.00%	22.00%		
19	<u>2</u>	4.00%	26.00%		
20	<u>5</u>	10.00%	36.00%		
21	<u>4</u>	8.00%	44.00%		
22	<u>5</u>	10.00%	54.00%		
23	<u>6</u>	12.00%	66.00%		
24	<u>6</u>	12.00%	78.00%		
25	<u>4</u>	8.00%	86.00%		
26	<u>2</u>	4.00%	90.00%		
27	<u>4</u>	8.00%	98.00%		
28	<u>1</u>	2.00%	100.00%		
29	<u>0</u>	0.00%	100.00%		
30	<u>0</u>	0.00%	100.00%		
31	<u>0</u>	0.00%	100.00%		
32	<u>0</u>	0.00%	100.00%		
33	<u>0</u>	0.00%	100.00%		
34	<u>0</u>	0.00%	100.00%		
35	<u>0</u>	0.00%	100.00%		
36	<u>0</u>	0.00%	100.00%		
37	<u>0</u>	0.00%	100.00%		
38	<u>0</u>	0.00%	100.00%		
39	<u>0</u>	0.00%	100.00%		
40	<u>0</u>	0.00%	100.00%		
41	<u>0</u>	0.00%	100.00%		
42	<u>0</u>	0.00%	100.00%		
43	<u>0</u>	0.00%	100.00%		
44	<u>0</u>	0.00%	100.00%		
45	<u>0</u>	0.00%	100.00%		
46	<u>0</u>	0.00%	100.00%		
47	<u>0</u>	0.00%	100.00%		
48	<u>0</u>	0.00%	100.00%		
49	<u>0</u>	0.00%	100.00%		
50	<u>0</u>	0.00%	100.00%		
51	<u>0</u>	0.00%	100.00%		
52	<u>0</u>	0.00%	100.00%		
53	<u>0</u>	0.00%	100.00%		
54	<u>0</u>	0.00%	100.00%		
Totals:	50	100.00%			

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Iverson Street			Direction: <u>SBD/NBD</u>	Comments: <u>No. 38</u>
Between:	<u>Clay Street And West Blanco Road</u>				
Survey Location:	<u>Between Iverson Drive and Palma Drive</u>				
Speed Limit:	<u>25 MPH</u>				
Date:	<u>03/23/22</u>		Day:	<u>Wednesday</u>	
Hours:	From: <u>03:30</u>	To: <u>04:20</u>			
Weather:	<u>Sunny</u>				
Observer(s):	<u>Emileo</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%	Time Mean Speed: <u>22.2</u> MPH	
11	0	0.00%	0.00%	Sample Variance: <u>14.31</u>	
12	0	0.00%	0.00%	Standard Deviation: <u>3.8</u>	
13	1	1.00%	1.00%	Variance of the Mean: <u>0.1431</u>	
14	1	1.00%	2.00%	Standard Error of the Mean: <u>0.4</u>	
15	3	3.00%	5.00%	10 MPH Pace: <u>17</u> To: <u>26</u> MPH	
16	0	0.00%	5.00%	Percent in Pace: <u>81.0%</u>	
17	6	6.00%	11.00%	Vehicles in Pace: <u>81</u>	
18	7	7.00%	18.00%	50th Percentile Speed: <u>22</u> MPH	
19	5	5.00%	23.00%	85th Percentile Speed: <u>26</u> MPH	
20	12	12.00%	35.00%	90th Percentile Speed: <u>27</u> MPH	
21	8	8.00%	43.00%	95th Percentile Speed: <u>28</u> MPH	
22	8	8.00%	51.00%		
23	10	10.00%	61.00%		
24	10	10.00%	71.00%		
25	11	11.00%	82.00%		
26	4	4.00%	86.00%		
27	6	6.00%	92.00%		
28	4	4.00%	96.00%		
29	2	2.00%	98.00%		
30	0	0.00%	98.00%		
31	2	2.00%	100.00%		
32	0	0.00%	100.00%		
33	0	0.00%	100.00%		
34	0	0.00%	100.00%		
35	0	0.00%	100.00%		
36	0	0.00%	100.00%		
37	0	0.00%	100.00%		
38	0	0.00%	100.00%		
39	0	0.00%	100.00%		
40	0	0.00%	100.00%		
41	0	0.00%	100.00%		
42	0	0.00%	100.00%		
43	0	0.00%	100.00%		
44	0	0.00%	100.00%		
45	0	0.00%	100.00%		
46	0	0.00%	100.00%		
47	0	0.00%	100.00%		
48	0	0.00%	100.00%		
49	0	0.00%	100.00%		
50	0	0.00%	100.00%		
51	0	0.00%	100.00%		
52	0	0.00%	100.00%		
53	0	0.00%	100.00%		
54	0	0.00%	100.00%		
Totals:	100	100.00%			

Cumulative Frequency Distribution

Frequency Distribution

1 SPEED SURVEY FIELD SHEET

CITY OF SALINAS

LOCATION Iverson St btwn Clay St + West Blanco Rd

DATE 3/23/22 DAY Wednesday TIME 3:30 TO 4:20

OBSERVER Emily CALCULATED BY Emily WEATHER rainy

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

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

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 Number: 1 Author: jonathanh Subject: Text Box Date: 9/26/2022 2:25:24 PM

 Number: 2 Author: jonathanh Subject: Text Box Date: 9/26/2022 2:25:30 PM

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

STREET: **EAST MARKET STREET**
BETWEEN: **N SANBORN RD & WILLIAMS RD**
SURVEY DATE: **06/01/2022 (EXPIRES IN 2027)**

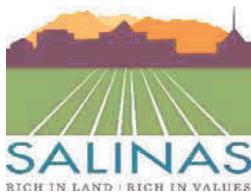
39



COMMENTS:

This segment of East Market Street is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes fronting residential homes and school areas. Speed data collected June 1, 2022 revealed the 85th percentile speed of 30 mph. The 10 mph pace ranges from 21 mph to 30 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded to the nearest 5 mph, the existing posted speed limit of 30 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL
Distance	Approximately 3,700 Feet	
Vertical Alignment	Flat	
Street Width	Varies from 44 Feet to 62 Feet	
No. Lanes and Median	3-Lane Minor Arterial	
Proposed Speed Zone	30 MPH	
85th Percentile Speed:	30 MPH	
Traffic Volume (Date)	8,017 (2022)	
Accident Data (2 years)	9 Collisions (2019-2020)	
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	2.19 Acc./MVM	

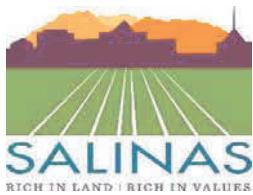


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	East Market Street			Direction: <u>EBD</u>	Comments: <u>No. 39</u>
Between:	North Sanborn Road and Williams Road				
Survey Location:	Between Midway Avenue and 1st Avenue				
Speed Limit:	30 MPH				
Date:	06/01/22			Day: <u>Wednesday</u>	
Hours:	From: <u>02:05</u>		To: <u>02:55</u>		
Weather:	Sunny				
Observer(s):	Emi and Eva				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%	Time Mean Speed: <u>25.3</u> MPH	
11	0	0.00%	0.00%	Sample Variance: <u>48.39</u>	
12	0	0.00%	0.00%	Standard Deviation: <u>7.0</u>	
13	1	2.00%	2.00%	Variance of the Mean: <u>0.9678</u>	
14	0	0.00%	2.00%	Standard Error of the Mean: <u>1.0</u>	
15	4	8.00%	10.00%	10 MPH Pace: <u>21</u> To: <u>30</u> MPH	
16	0	0.00%	10.00%	Percent in Pace: <u>68.0%</u>	
17	4	8.00%	18.00%	Vehicles in Pace: <u>34</u>	
18	0	0.00%	18.00%	50th Percentile Speed: <u>26</u> MPH	
19	0	0.00%	18.00%	85th Percentile Speed: <u>30</u> MPH	
20	0	0.00%	18.00%	90th Percentile Speed: <u>32</u> MPH	
21	5	10.00%	28.00%	95th Percentile Speed: <u>34</u> MPH	
22	1	2.00%	30.00%		
23	5	10.00%	40.00%		
24	3	6.00%	46.00%		
25	1	2.00%	48.00%		
26	4	8.00%	56.00%		
27	2	4.00%	60.00%		
28	6	12.00%	72.00%		
29	3	6.00%	78.00%		
30	4	8.00%	86.00%		
31	0	0.00%	86.00%		
32	3	6.00%	92.00%		
33	0	0.00%	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	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	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	0	0.00%	98.00%		
54	1	2.00%	100.00%		
Totals:	50	100.00%			

Cumulative Frequency Distribution

Frequency Distribution

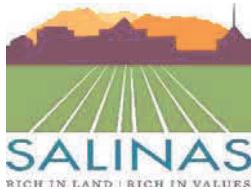


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	East Market Street			Direction: <u>WBD</u>	Comments: <u>No. 39</u>
Between:	North Sanborn Road and Williams Road				
Survey Location:	Between Midway Avenue and 1st Avenue				
Speed Limit:	30 MPH				
Date:	06/01/22			Day: <u>Wednesday</u>	
Hours:	From: <u>02:05</u>		To: <u>02:55</u>		
Weather:	Sunny				
Observer(s):	Emi and Eva				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
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	2.04%	2.04%		
18	1	2.04%	4.08%		
19	0	0.00%	4.08%		
20	3	6.12%	10.20%		
21	2	4.08%	14.29%		
22	3	6.12%	20.41%		
23	1	2.04%	22.45%		
24	3	6.12%	28.57%		
25	5	10.20%	38.78%		
26	10	20.41%	59.18%		
27	4	8.16%	67.35%		
28	5	10.20%	77.55%		
29	0	0.00%	77.55%		
30	5	10.20%	87.76%		
31	1	2.04%	89.80%		
32	3	6.12%	95.92%		
33	1	2.04%	97.96%		
34	0	0.00%	97.96%		
35	0	0.00%	97.96%		
36	0	0.00%	97.96%		
37	0	0.00%	97.96%		
38	1	2.04%	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:	49	100.00%			

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	East Market Street			Direction: <u>EBD/WBD</u>	Comments: No. 39
Between:	North Sanborn Road and Williams Road				
Survey Location:	Between Midway Avenue and 1st Avenue				
Speed Limit:	30 MPH				
Date:	06/01/22			Day: <u>Wednesday</u>	
Hours:	From: <u>02:05</u>	To: <u>02:55</u>			
Weather:	Sunny				
Observer(s):	Emi and Eva				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%		
11	0	0.00%	0.00%		
12	0	0.00%	0.00%		
13	1	1.01%	1.01%		
14	0	0.00%	1.01%		
15	4	4.04%	5.05%		
16	0	0.00%	5.05%		
17	5	5.05%	10.10%		
18	1	1.01%	11.11%		
19	0	0.00%	11.11%		
20	3	3.03%	14.14%		
21	7	7.07%	21.21%		
22	4	4.04%	25.25%		
23	6	6.06%	31.31%		
24	6	6.06%	37.37%		
25	6	6.06%	43.43%		
26	14	14.14%	57.58%		
27	6	6.06%	63.64%		
28	11	11.11%	74.75%		
29	3	3.03%	77.78%		
30	9	9.09%	86.87%		
31	1	1.01%	87.88%		
32	6	6.06%	93.94%		
33	1	1.01%	94.95%		
34	2	2.02%	96.97%		
35	1	1.01%	97.98%		
36	0	0.00%	97.98%		
37	0	0.00%	97.98%		
38	1	1.01%	98.99%		
39	0	0.00%	98.99%		
40	0	0.00%	98.99%		
41	0	0.00%	98.99%		
42	0	0.00%	98.99%		
43	0	0.00%	98.99%		
44	0	0.00%	98.99%		
45	0	0.00%	98.99%		
46	0	0.00%	98.99%		
47	0	0.00%	98.99%		
48	0	0.00%	98.99%		
49	0	0.00%	98.99%		
50	0	0.00%	98.99%		
51	0	0.00%	98.99%		
52	0	0.00%	98.99%		
53	0	0.00%	98.99%		
54	1	1.01%	100.00%		
Totals:	99	100.00%			

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE
39

LOCATION East Market St btwn North Sunborn Rd + Williams Rd

DATE 6/1/2003 DAY wednesday

TIME 2:05 TO 2:55

OBSERVER Emi

CALCULATED BY Emi

WEATHER Sunny

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	1			
34	X	X		
33				
32	X	X	X	
31				
30	X	X	X	
29	X	X	X	X
28	X	X	X	X
27	X	X	X	X
26	X	X	X	X
25				
24	X	X	X	
23	X	X	X	
22	X	X	X	
21	X	X	X	
20				
19				
18				
17	X	X	X	
16				
15	X	X	X	
14				
13	X			
12				
11				
10				

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

 Number: 1 Author: jonathanh Subject: Text Box Date: 9/26/2022 2:26:08 PM

 Number: 2 Author: jonathanh Subject: Text Box Date: 9/26/2022 2:26:02 PM

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

STREET: **MCKINNON STREET**
BETWEEN: **E BORONDA RD & E ALVIN DR**
SURVEY DATE **07/11/2022 (EXPIRES IN 2027)**

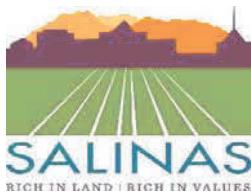
41



COMMENTS:

This segment of McKinnon Street is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes backing residential homes, school areas and a park. Speed data collected July 11, 2022 revealed the 85th percentile speed of 35 mph. The 10 mph pace ranges from 26 mph to 35 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded to the nearest 5 mph, the existing posted speed limit of 35 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 3,650 Feet		
Vertical Alignment	Flat		
Street Width	44 Feet		
No. Lanes and Median	2-Lane Minor Arterial		
Proposed Speed Zone	35 MPH		
85th Percentile Speed	35 MPH		
Traffic Volume (Date)	7,873 (2019)		
Accident Data (2 years)	9 Collisions (2019-2020)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	2.27 Acc./MVM		

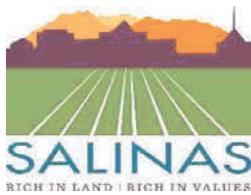


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	McKinnon Street			Direction: <u>NBD</u>	Comments: <u>No. 41</u>
Between:	<u>East Boronda Road and East Alvin Drive</u>				
Survey Location:	<u>Between Harden Parkway and Westminster Drive</u>				
Speed Limit:	<u>35 MPH</u>				
Date:	<u>07/11/22</u>		Day:	<u>Monday</u>	
Hours:	From:	<u>11:12</u>	To:	<u>12:06</u>	
Weather:	<u>Sunny</u>				
Observer(s):	<u>Chris B. & Chris J.</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%	Time Mean Speed: <u>31.5 MPH</u>	
11	0	0.00%	0.00%	Sample Variance: <u>21.77</u>	
12	0	0.00%	0.00%	Standard Deviation: <u>4.7</u>	
13	0	0.00%	0.00%	Variance of the Mean: <u>0.4354</u>	
14	0	0.00%	0.00%	Standard Error of the Mean: <u>0.7</u>	
15	0	0.00%	0.00%	10 MPH Pace: <u>26 MPH</u>	
16	0	0.00%	0.00%	Percent in Pace: <u>80.0%</u>	
17	0	0.00%	0.00%	Vehicles in Pace: <u>40</u>	
18	0	0.00%	0.00%	50th Percentile Speed: <u>32 MPH</u>	
19	0	0.00%	0.00%	85th Percentile Speed: <u>35 MPH</u>	
20	2	4.00%	4.00%	90th Percentile Speed: <u>36 MPH</u>	
21	0	0.00%	4.00%	95th Percentile Speed: <u>38 MPH</u>	
22	0	0.00%	4.00%		
23	0	0.00%	4.00%		
24	1	2.00%	6.00%		
25	2	4.00%	10.00%		
26	3	6.00%	16.00%		
27	1	2.00%	18.00%		
28	2	4.00%	22.00%		
29	4	8.00%	30.00%		
30	2	4.00%	34.00%		
31	4	8.00%	42.00%		
32	7	14.00%	56.00%		
33	6	12.00%	68.00%		
34	4	8.00%	76.00%		
35	7	14.00%	90.00%		
36	0	0.00%	90.00%		
37	2	4.00%	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	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%			

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	McKinnon Street			Direction: <u>SBD</u>	Comments: <u>No. 41</u>
Between:	<u>East Boronda Road and East Alvin Drive</u>				
Survey Location:	<u>Between Harden Parkway and Westminster Drive</u>				
Speed Limit:	<u>35 MPH</u>				
Date:	<u>07/11/22</u>		Day:	<u>Monday</u>	
Hours:	From:	<u>11:12</u>	To:	<u>12:06</u>	
Weather:	<u>Sunny</u>				
Observer(s):	<u>Chris B. & Chris J.</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%	Time Mean Speed: <u>29.6 MPH</u>	
11	0	0.00%	0.00%	Sample Variance: <u>18.33</u>	
12	0	0.00%	0.00%	Standard Deviation: <u>4.3</u>	
13	0	0.00%	0.00%	Variance of the Mean: <u>0.3666</u>	
14	0	0.00%	0.00%	Standard Error of the Mean: <u>0.6</u>	
15	0	0.00%	0.00%	10 MPH Pace: <u>25 MPH</u>	
16	0	0.00%	0.00%	Percent in Pace: <u>78.0%</u>	
17	0	0.00%	0.00%	Vehicles in Pace: <u>39</u>	
18	0	0.00%	0.00%	50th Percentile Speed: <u>30 MPH</u>	
19	1	2.00%	2.00%	85th Percentile Speed: <u>33 MPH</u>	
20	1	2.00%	4.00%	90th Percentile Speed: <u>34 MPH</u>	
21	0	0.00%	4.00%	95th Percentile Speed: <u>35 MPH</u>	
22	2	4.00%	8.00%		
23	3	6.00%	14.00%		
24	0	0.00%	14.00%		
25	3	6.00%	20.00%		
26	1	2.00%	22.00%		
27	1	2.00%	24.00%		
28	3	6.00%	30.00%		
29	2	4.00%	34.00%		
30	13	26.00%	60.00%		
31	1	2.00%	62.00%		
32	9	18.00%	80.00%		
33	3	6.00%	86.00%		
34	3	6.00%	92.00%		
35	2	4.00%	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%			

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	McKinnon Street			Direction: <u>NBD/SBD</u>	Comments: No. 41
Between:	<u>East Boronda Road and East Alvin Drive</u>				
Survey Location:	<u>Between Harden Parkway and Westminster Drive</u>				
Speed Limit:	<u>35 MPH</u>				
Date:	<u>07/11/22</u>		Day:	<u>Monday</u>	
Hours:	From:	<u>11:12</u>	To:	<u>12:06</u>	
Weather:	<u>Sunny</u>				
Observer(s):	<u>Chris B. & Chris J.</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%	Time Mean Speed: <u>30.5 MPH</u>	
11	0	0.00%	0.00%	Sample Variance: <u>20.80</u>	
12	0	0.00%	0.00%	Standard Deviation: <u>4.6</u>	
13	0	0.00%	0.00%	Variance of the Mean: <u>0.2080</u>	
14	0	0.00%	0.00%	Standard Error of the Mean: <u>0.5</u>	
15	0	0.00%	0.00%	10 MPH Pace: <u>26 MPH</u>	
16	0	0.00%	0.00%	Percent in Pace: <u>78.0%</u>	
17	0	0.00%	0.00%	Vehicles in Pace: <u>78</u>	
18	0	0.00%	0.00%	50th Percentile Speed: <u>31 MPH</u>	
19	1	1.00%	1.00%	85th Percentile Speed: <u>35 MPH</u>	
20	3	3.00%	4.00%	90th Percentile Speed: <u>35 MPH</u>	
21	0	0.00%	4.00%	95th Percentile Speed: <u>37 MPH</u>	
22	2	2.00%	6.00%		
23	3	3.00%	9.00%		
24	1	1.00%	10.00%		
25	5	5.00%	15.00%		
26	4	4.00%	19.00%		
27	2	2.00%	21.00%		
28	5	5.00%	26.00%		
29	6	6.00%	32.00%		
30	15	15.00%	47.00%		
31	5	5.00%	52.00%		
32	16	16.00%	68.00%		
33	9	9.00%	77.00%		
34	7	7.00%	84.00%		
35	9	9.00%	93.00%		
36	1	1.00%	94.00%		
37	2	2.00%	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	0	0.00%	99.00%		
46	1	1.00%	100.00%		
47	0	0.00%	100.00%		
48	0	0.00%	100.00%		
49	0	0.00%	100.00%		
50	0	0.00%	100.00%		
51	0	0.00%	100.00%		
52	0	0.00%	100.00%		
53	0	0.00%	100.00%		
54	0	0.00%	100.00%		
Totals:	100	100.00%			

Cumulative Frequency Distribution

Frequency Distribution

1 SPEED SURVEY FIELD SHEET
CITY OF SALINAS

SITE CODE
41

LOCATION McKinnon St btwn. Boronda Rd + Alvin Dr
DATE 07-11-22 DAY Monday TIME 11:12 TO 12:06
OBSERVER Chris J. CALCULATED BY Chris B. WEATHER Sunny

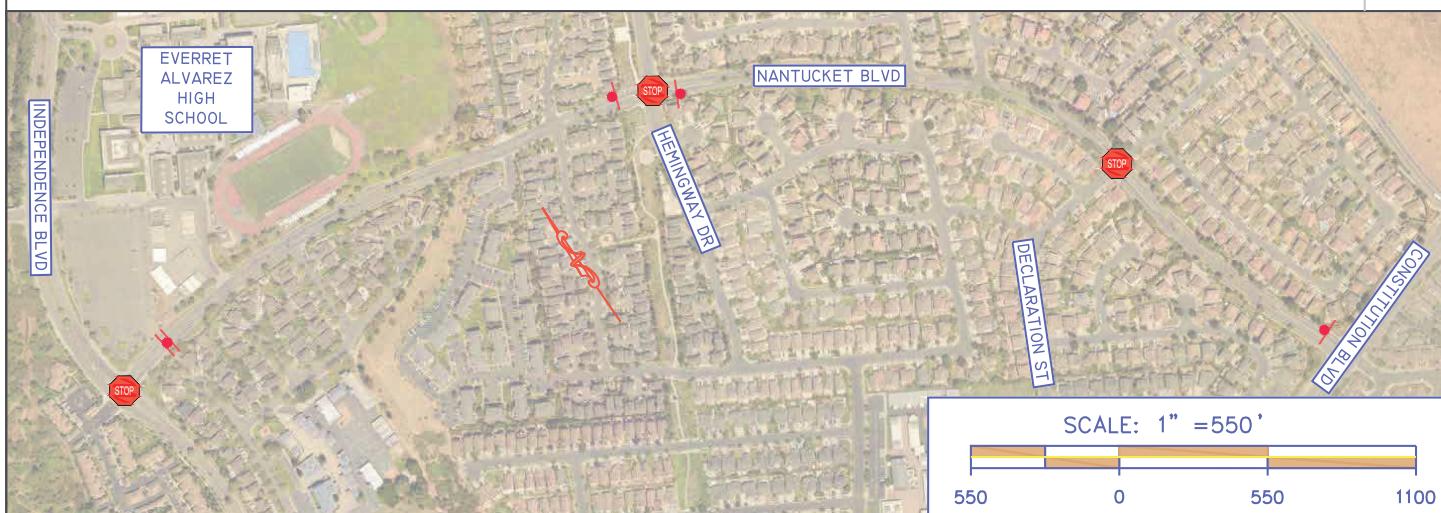
MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
66				
65				
64				
63				
62				
61				
60				
59				
58				
57				
56				
55				
54				
53				
52				
51				
50				
49				
48				
47				
46	XX			
45				
44				
43				
42				
41				
40				
39	XX			
38	XX			
37	XX			
36				
35	XX	XX	XX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

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

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

STREET: **NANTUCKET BOULEVARD**
BETWEEN: **INDEPENDENCE BLVD & CONSTITUTION BLVD**
SURVEY DATE: **07/18/2022 (EXPIRES IN 2027)**

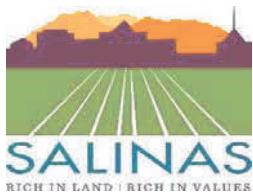
43



COMMENTS:

This segment of Nantucket Boulevard is classified as a collector in the City of Salinas General Plan. The surrounding land use includes backing residential homes and a school. Speed data collected July 18, 2022 revealed the 85th percentile speed of 40 mph. The 10 mph pace ranges from 32 mph to 41 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 35 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 5,250 Feet		
Vertical Alignment	Flat		
Street Width	52 Feet		
No. Lanes and Median	2-Lane Collector		
Proposed Speed Zone	35 MPH		
85th Percentile Speed	40 MPH		
Traffic Volume (Date)	2,784 (2022)		
Accident Data (2 years)	2 Collisions (2019-2020)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	0.99 Acc./MVM		
		 ALL-WAY STOP  SIGNAL  SPEED SIGN  CITY LIMITS  CROSSWALK  SCHOOL CROSSWALK	

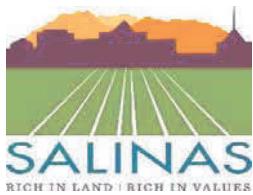


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Nantucket Boulevard			Direction: <u>WBD</u>	Comments: <u>No. 43</u>
Between:	<u>Independence Boulevard and Constitution Boulevard</u>				
Survey Location:	<u>Between Independence Boulevard & New Haven Way</u>				
Speed Limit:	<u>35 MPH</u>				
Date:	<u>07/18/22</u>			Day: <u>Monday</u>	
Hours:	From: <u>10:00</u>		To: <u>11:04</u>		
Weather:	<u>Sunny</u>				
Observer(s):	<u>Chris B & Chris J</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
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	2	4.00%	6.00%		
28	0	0.00%	6.00%		
29	1	2.00%	8.00%		
30	1	2.00%	10.00%		
31	1	2.00%	12.00%		
32	2	4.00%	16.00%		
33	4	8.00%	24.00%		
34	4	8.00%	32.00%		
35	7	14.00%	46.00%		
36	4	8.00%	54.00%		
37	4	8.00%	62.00%		
38	6	12.00%	74.00%		
39	2	4.00%	78.00%		
40	4	8.00%	86.00%		
41	3	6.00%	92.00%		
42	0	0.00%	92.00%		
43	1	2.00%	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	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%			

Cumulative Frequency Distribution

Frequency Distribution

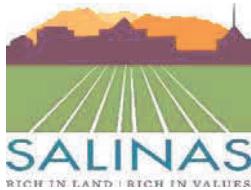


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Nantucket Boulevard			Direction: <u>EBD</u>	Comments: <u>No. 43</u>
Between:	<u>Independence Boulevard and Constitution Boulevard</u>				
Survey Location:	<u>Between Independence Boulevard & New Haven Way</u>				
Speed Limit:	<u>35 MPH</u>				
Date:	<u>07/18/22</u>			Day: <u>Monday</u>	
Hours:	From: <u>10:00</u>		To: <u>11:04</u>		
Weather:	<u>Sunny</u>				
Observer(s):	<u>Chris B & Chris J</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
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	4	8.00%	8.00%		
23	0	0.00%	8.00%		
24	1	2.00%	10.00%		
25	3	6.00%	16.00%		
26	1	2.00%	18.00%		
27	1	2.00%	20.00%		
28	4	8.00%	28.00%		
29	2	4.00%	32.00%		
30	4	8.00%	40.00%		
31	1	2.00%	42.00%		
32	0	0.00%	42.00%		
33	13	26.00%	68.00%		
34	8	16.00%	84.00%		
35	2	4.00%	88.00%		
36	1	2.00%	90.00%		
37	0	0.00%	90.00%		
38	0	0.00%	90.00%		
39	0	0.00%	90.00%		
40	3	6.00%	96.00%		
41	1	2.00%	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%			

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Nantucket Boulevard			Direction:	WBD/EBD		Comments: No. 43
Between:	Independence Boulevard and Constitution Boulevard			Day:	Monday		
Survey Location:	Between Independence Boulevard & New Haven Way			Hours:	From: 10:00	To: 11:04	
Speed Limit:	35 MPH			Weather:	Sunny		
Date:	07/18/22			Observer(s):	Chris B & Chris J		
MPH	Frequency	Percent	Cumulative %	Data Analysis:			
10	0	0.00%	0.00%	Time Mean Speed: 33.8 MPH			
11	0	0.00%	0.00%	Sample Variance: 29.41			
12	0	0.00%	0.00%	Standard Deviation: 5.4			
13	0	0.00%	0.00%	Variance of the Mean: 0.2941			
14	0	0.00%	0.00%	Standard Error of the Mean: 0.5			
15	0	0.00%	0.00%	10 MPH Pace: 32 MPH			
16	0	0.00%	0.00%	Percent in Pace: 68.0%			
17	0	0.00%	0.00%	Vehicles in Pace: 68			
18	0	0.00%	0.00%	50th Percentile Speed: 34 MPH			
19	0	0.00%	0.00%	85th Percentile Speed: 40 MPH			
20	0	0.00%	0.00%	90th Percentile Speed: 40 MPH			
21	0	0.00%	0.00%	95th Percentile Speed: 41 MPH			
22	4	4.00%	4.00%				
23	0	0.00%	4.00%				
24	1	1.00%	5.00%				
25	4	4.00%	9.00%				
26	1	1.00%	10.00%				
27	3	3.00%	13.00%				
28	4	4.00%	17.00%				
29	3	3.00%	20.00%				
30	5	5.00%	25.00%				
31	2	2.00%	27.00%				
32	2	2.00%	29.00%				
33	17	17.00%	46.00%				
34	12	12.00%	58.00%				
35	9	9.00%	67.00%				
36	5	5.00%	72.00%				
37	4	4.00%	76.00%				
38	6	6.00%	82.00%				
39	2	2.00%	84.00%				
40	7	7.00%	91.00%				
41	4	4.00%	95.00%				
42	0	0.00%	95.00%				
43	1	1.00%	96.00%				
44	1	1.00%	97.00%				
45	1	1.00%	98.00%				
46	1	1.00%	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%					

Cumulative Frequency Distribution

Frequency Distribution

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE

LOCATION Nantucket Blvd btwn Independence Blvd + Constitution Blvd

DATE 7-18-22 DAY Monday

TIME 10:00 TO 11:00

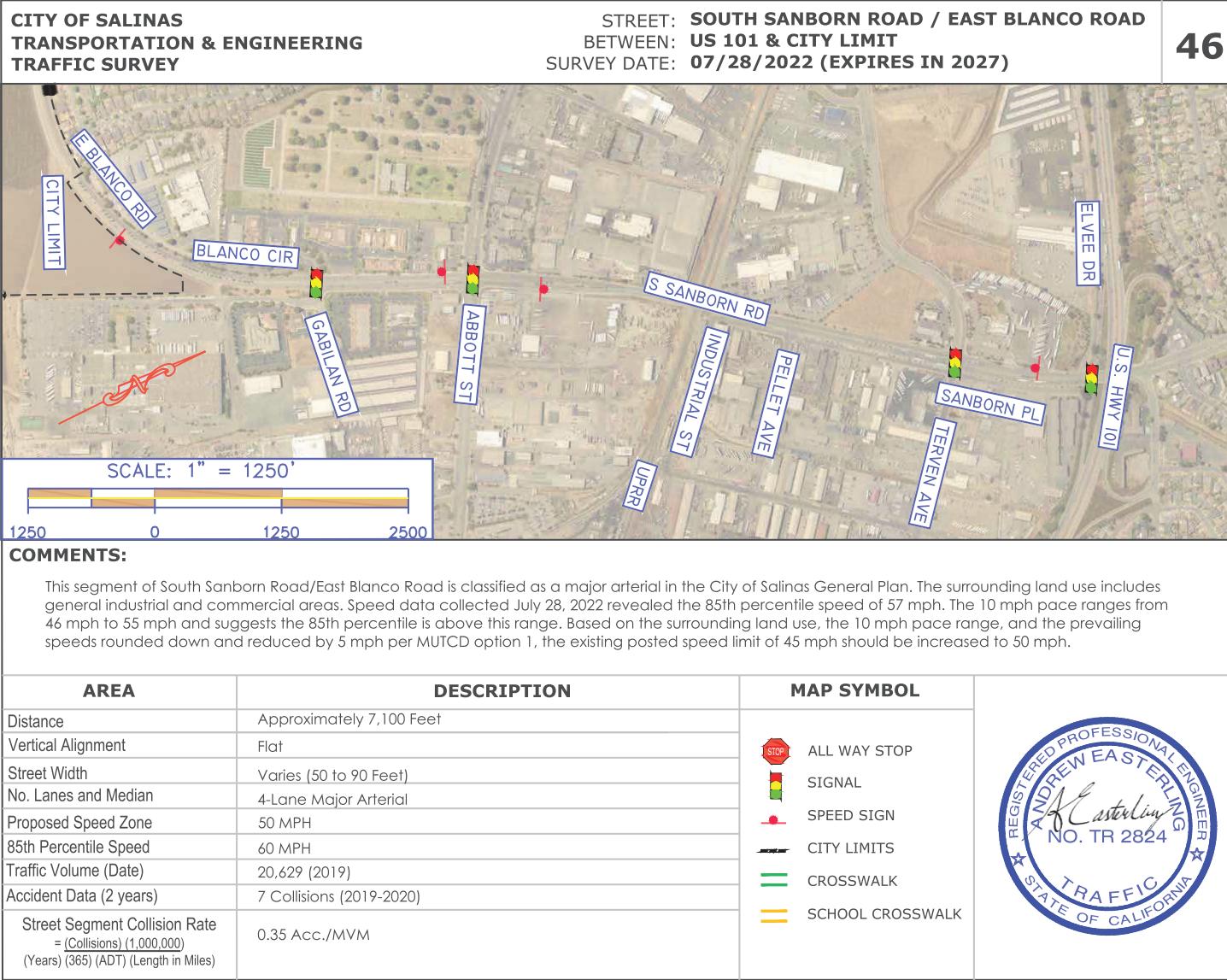
OBSERVER Chris B CALCULATED BY Chris J. WEATHER Sunny

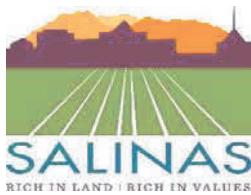
Direction:	West				
MPH	Number of Vehicles				
	5	10	15	20	
70					
69					
68					
67					
66					
65					
64					
63					
62					
61					
60					
59					
58					
57					
56					
55					
54					
53					
52					
51					
50	✗				
49					
48					
47					
46	✗				
45					
44	✗				
43	✗				
42					
41	✗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

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	X				
44					
43					
42					
41	X				
40	X	X			
39					
38					
37					
36					
35					
34					
33					
32					
31					
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13					
12					
11					
10					

 Number: 1 Author: jonathanh Subject: Text Box Date: 9/26/2022 2:26:54 PM

 Number: 2 Author: jonathanh Subject: Text Box Date: 9/26/2022 2:26:48 PM



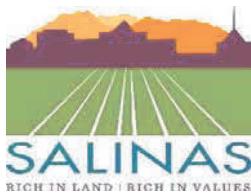


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Sanborn Road/Blanco Road		Direction: <u>SBD</u>	Comments: No. 46
Between:	US 101 and City Limits			
Survey Location:	Between La Mesa Way and Blanco Circle			
Speed Limit:	45 MPH			
Date:	07/28/22		Day: <u>Thursday</u>	
Hours:	From: <u>10:48</u>		To: <u>11:17</u>	
Weather:	Sunny			
Observer(s):	Chris B. and Chris J.			
Data Analysis:				
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	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	0	0.00%	0.00%	
36	0	0.00%	0.00%	
37	0	0.00%	0.00%	
38	0	0.00%	0.00%	
39	0	0.00%	0.00%	
40	0	0.00%	0.00%	
41	1	2.00%	2.00%	
42	0	0.00%	2.00%	
43	0	0.00%	2.00%	
44	0	0.00%	2.00%	
45	1	2.00%	4.00%	
46	0	0.00%	4.00%	
47	0	0.00%	4.00%	
48	1	2.00%	6.00%	
49	2	4.00%	10.00%	
50	4	8.00%	18.00%	
51	3	6.00%	24.00%	
52	1	2.00%	26.00%	
53	3	6.00%	32.00%	
54	1	2.00%	34.00%	
55	11	22.00%	56.00%	
56	1	2.00%	58.00%	
57	4	8.00%	66.00%	
58	8	16.00%	82.00%	
59	0	0.00%	82.00%	
60	4	8.00%	90.00%	
61	3	6.00%	96.00%	
62	0	0.00%	96.00%	
63	0	0.00%	96.00%	
64	0	0.00%	96.00%	
65	1	2.00%	98.00%	
66	1	2.00%	100.00%	
67	0	0.00%	100.00%	
68	0	0.00%	100.00%	
69	0	0.00%	100.00%	
Totals:	50	100.00%		

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Sanborn Road/Blanco Road		Direction: <u>NBD</u>	Comments: No. 46
Between:	<u>US 101 and City Limits</u>			
Survey Location:	<u>Between La Mesa Way and Blanco Circle</u>			
Speed Limit:	<u>45 MPH</u>			
Date:	<u>07/28/22</u>	Day:	<u>Thursday</u>	
Hours:	From: <u>10:48</u>	To:	<u>11:17</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Chris B. and Chris J.</u>			
MPH	Frequency	Percent	Cumulative %	Data Analysis:
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	0	0.00%	0.00%	
36	0	0.00%	0.00%	
37	0	0.00%	0.00%	
38	0	0.00%	0.00%	
39	0	0.00%	0.00%	
40	0	0.00%	0.00%	
41	0	0.00%	0.00%	
42	1	2.00%	2.00%	
43	0	0.00%	2.00%	
44	1	2.00%	4.00%	
45	2	4.00%	8.00%	
46	0	0.00%	8.00%	
47	2	4.00%	12.00%	
48	2	4.00%	16.00%	
49	1	2.00%	18.00%	
50	6	12.00%	30.00%	
51	1	2.00%	32.00%	
52	1	2.00%	34.00%	
53	1	2.00%	36.00%	
54	0	0.00%	36.00%	
55	11	22.00%	58.00%	
56	2	4.00%	62.00%	
57	2	4.00%	66.00%	
58	4	8.00%	74.00%	
59	0	0.00%	74.00%	
60	8	16.00%	90.00%	
61	0	0.00%	90.00%	
62	0	0.00%	90.00%	
63	1	2.00%	92.00%	
64	0	0.00%	92.00%	
65	3	6.00%	98.00%	
66	1	2.00%	100.00%	
67	0	0.00%	100.00%	
68	0	0.00%	100.00%	
69	0	0.00%	100.00%	
Totals:	50	100.00%		

Time Mean Speed: 54.8 MPH

Sample Variance: 33.86

Standard Deviation: 5.8

Variance of the Mean: 0.6772

Standard Error of the Mean: 0.8

10 MPH Pace: 51 To: 60 MPH

Percent in Pace: 60.0%

Vehicles in Pace: 30

50th Percentile Speed: 55 MPH

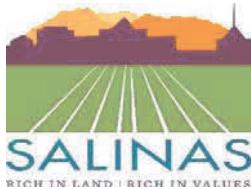
85th Percentile Speed: 60 MPH

90th Percentile Speed: 60 MPH

95th Percentile Speed: 65 MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Sanborn Road/Blanco Road		Direction:	SBD/NBD	Comments: No. 46
Between:	US 101 and City Limits		Survey Location:	Between La Mesa Way and Blanco Circle	
Speed Limit:	45 MPH				
Date:	07/28/22		Day:	Thursday	
Hours:	From: 10:48		To:	11:17	
Weather:	Sunny				
Observer(s):	Chris B. and Chris J.				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
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	0	0.00%	0.00%		
36	0	0.00%	0.00%		
37	0	0.00%	0.00%		
38	0	0.00%	0.00%		
39	0	0.00%	0.00%		
40	0	0.00%	0.00%		
41	1	1.00%	1.00%		
42	1	1.00%	2.00%		
43	0	0.00%	2.00%		
44	1	1.00%	3.00%		
45	3	3.00%	6.00%		
46	0	0.00%	6.00%		
47	2	2.00%	8.00%		
48	3	3.00%	11.00%		
49	3	3.00%	14.00%		
50	10	10.00%	24.00%		
51	4	4.00%	28.00%		
52	2	2.00%	30.00%		
53	4	4.00%	34.00%		
54	1	1.00%	35.00%		
55	22	22.00%	57.00%		
56	3	3.00%	60.00%		
57	6	6.00%	66.00%		
58	12	12.00%	78.00%		
59	0	0.00%	78.00%		
60	12	12.00%	90.00%		
61	3	3.00%	93.00%		
62	0	0.00%	93.00%		
63	1	1.00%	94.00%		
64	0	0.00%	94.00%		
65	4	4.00%	98.00%		
66	2	2.00%	100.00%		
67	0	0.00%	100.00%		
68	0	0.00%	100.00%		
69	0	0.00%	100.00%		
Totals:	100	100.00%			

Cumulative Frequency Distribution

Frequency Distribution

1 SPEED SURVEY FIELD SHEET

SITE CODE
46

LOCATION

CITY OF SALINAS

DATE

7-28-22 DAY Thursday

TIME 10:48 TO 11:17

OBSERVER

Chris J.

CALCULATED BY

Chris B

WEATHER

Sunny

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

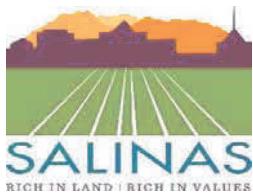
MPH	Number of Vehicles				
	5	10	15	20	
70					
69					
68					
67					
66					
65	XXX				
64					
63	X				
62					
61					
60	XXXXXX	XXXXXX	XXXXXX		
59					
58	XXX	XX			
57	XX				
56	XX				
55	XXXXXX	XXXXXX	XXXXXX		
54					
53	X				
52	X				
51	X				
50	XXXXXX	XXXXXX			
49	X				
48	X				
47	XX				
46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



COMMENTS:

This segment of Iris Drive is classified as a collector in the City of Salinas General Plan. The surrounding land use includes fronting residential homes and retail areas. Speed data collected February 23, 2022 revealed the 85th percentile speed of 31 mph. The 10 mph pace ranges from 22 mph to 31 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded down and reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 25 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 1,850 Feet		
Vertical Alignment	1 Gentle Vertical Curve		
Street Width	40 Feet		
No. Lanes and Median	2-Lane Collector		
Proposed Speed Zone	25 MPH		
85th Percentile Speed	31 MPH		
Traffic Volume (Date)	4,464 (2022)		
Accident Data (2 years)	4 Collisions (2019-2020)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	3.51 Acc./MVM		

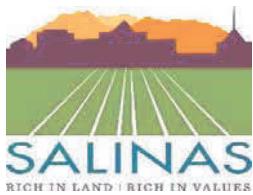


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Iris Drive			Direction: <u>WBD</u>	Comments: <u>No. 50</u>
Between:	<u>North Main Street and Tyler Street</u>				
Survey Location:	<u>Between Heather Drive and Lupin Drive</u>				
Speed Limit:	<u>25 MPH</u>				
Date:	<u>02/23/22</u>		Day:	<u>Wednesday</u>	
Hours:	From:	<u>11:40</u>	To:	<u>12:19</u>	
Weather:	<u>Sunny</u>				
Observer(s):	<u>Emileo</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%	Time Mean Speed: <u>27.6 MPH</u>	
11	0	0.00%	0.00%	Sample Variance: <u>19.50</u>	
12	0	0.00%	0.00%	Standard Deviation: <u>4.4</u>	
13	0	0.00%	0.00%	Variance of the Mean: <u>0.3900</u>	
14	0	0.00%	0.00%	Standard Error of the Mean: <u>0.6</u>	
15	0	0.00%	0.00%	10 MPH Pace: <u>22 MPH</u>	
16	0	0.00%	0.00%	Percent in Pace: <u>74.0%</u>	
17	0	0.00%	0.00%	Vehicles in Pace: <u>37</u>	
18	1	2.00%	2.00%	50th Percentile Speed: <u>27 MPH</u>	
19	0	0.00%	2.00%	85th Percentile Speed: <u>33 MPH</u>	
20	1	2.00%	4.00%	90th Percentile Speed: <u>33 MPH</u>	
21	0	0.00%	4.00%	95th Percentile Speed: <u>35 MPH</u>	
22	4	8.00%	12.00%		
23	3	6.00%	18.00%		
24	4	8.00%	26.00%		
25	3	6.00%	32.00%		
26	7	14.00%	46.00%		
27	3	6.00%	52.00%		
28	3	6.00%	58.00%		
29	7	14.00%	72.00%		
30	0	0.00%	72.00%		
31	3	6.00%	78.00%		
32	2	4.00%	82.00%		
33	5	10.00%	92.00%		
34	1	2.00%	94.00%		
35	1	2.00%	96.00%		
36	0	0.00%	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%			

Cumulative Frequency Distribution

Frequency Distribution

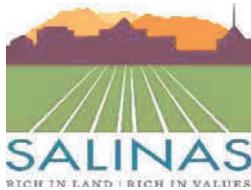


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Iris Drive			Direction: <u>EBD</u>	Comments: <u>No. 50</u>
Between:	<u>North Main Street and Tyler Street</u>				
Survey Location:	<u>Between Heather Drive and Lupin Drive</u>				
Speed Limit:	<u>25 MPH</u>				
Date:	<u>02/23/22</u>		Day:	<u>Wednesday</u>	
Hours:	From:	<u>11:40</u>	To:	<u>12:19</u>	
Weather:	<u>Sunny</u>				
Observer(s):	<u>Emileo</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%	Time Mean Speed: <u>25.9</u> MPH	
11	0	0.00%	0.00%	Sample Variance: <u>15.81</u>	
12	0	0.00%	0.00%	Standard Deviation: <u>4.0</u>	
13	0	0.00%	0.00%	Variance of the Mean: <u>0.3162</u>	
14	1	2.00%	2.00%	Standard Error of the Mean: <u>0.6</u>	
15	0	0.00%	2.00%	10 MPH Pace: <u>22</u> To: <u>31</u> MPH	
16	0	0.00%	2.00%	Percent in Pace: <u>82.0%</u>	
17	0	0.00%	2.00%	Vehicles in Pace: <u>41</u>	
18	0	0.00%	2.00%	50th Percentile Speed: <u>26</u> MPH	
19	2	4.00%	6.00%	85th Percentile Speed: <u>30</u> MPH	
20	0	0.00%	6.00%	90th Percentile Speed: <u>31</u> MPH	
21	2	4.00%	10.00%	95th Percentile Speed: <u>33</u> MPH	
22	4	8.00%	18.00%		
23	2	4.00%	22.00%		
24	6	12.00%	34.00%		
25	4	8.00%	42.00%		
26	10	20.00%	62.00%		
27	6	12.00%	74.00%		
28	2	4.00%	78.00%		
29	2	4.00%	82.00%		
30	2	4.00%	86.00%		
31	3	6.00%	92.00%		
32	1	2.00%	94.00%		
33	2	4.00%	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%			

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Iris Drive			Direction: <u>WBD/EBD</u>	Comments: <u>No. 50</u>
Between:	<u>North Main Street and Tyler Street</u>				
Survey Location:	<u>Between Heather Drive and Lupin Drive</u>				
Speed Limit:	<u>25 MPH</u>				
Date:	<u>02/23/22</u>		Day:	<u>Wednesday</u>	
Hours:	From: <u>11:40</u>	To: <u>12:19</u>			
Weather:	<u>Sunny</u>				
Observer(s):	<u>Emileo</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	<u>0</u>	0.00%	0.00%		
11	<u>0</u>	0.00%	0.00%		
12	<u>0</u>	0.00%	0.00%		
13	<u>0</u>	0.00%	0.00%		
14	<u>1</u>	1.00%	1.00%		
15	<u>0</u>	0.00%	1.00%		
16	<u>0</u>	0.00%	1.00%		
17	<u>0</u>	0.00%	1.00%		
18	<u>1</u>	1.00%	2.00%		
19	<u>2</u>	2.00%	4.00%		
20	<u>1</u>	1.00%	5.00%		
21	<u>2</u>	2.00%	7.00%		
22	<u>8</u>	8.00%	15.00%		
23	<u>5</u>	5.00%	20.00%		
24	<u>10</u>	10.00%	30.00%		
25	<u>7</u>	7.00%	37.00%		
26	<u>17</u>	17.00%	54.00%		
27	<u>9</u>	9.00%	63.00%		
28	<u>5</u>	5.00%	68.00%		
29	<u>9</u>	9.00%	77.00%		
30	<u>2</u>	2.00%	79.00%		
31	<u>6</u>	6.00%	85.00%		
32	<u>3</u>	3.00%	88.00%		
33	<u>7</u>	7.00%	95.00%		
34	<u>1</u>	1.00%	96.00%		
35	<u>1</u>	1.00%	97.00%		
36	<u>1</u>	1.00%	98.00%		
37	<u>1</u>	1.00%	99.00%		
38	<u>1</u>	1.00%	100.00%		
39	<u>0</u>	0.00%	100.00%		
40	<u>0</u>	0.00%	100.00%		
41	<u>0</u>	0.00%	100.00%		
42	<u>0</u>	0.00%	100.00%		
43	<u>0</u>	0.00%	100.00%		
44	<u>0</u>	0.00%	100.00%		
45	<u>0</u>	0.00%	100.00%		
46	<u>0</u>	0.00%	100.00%		
47	<u>0</u>	0.00%	100.00%		
48	<u>0</u>	0.00%	100.00%		
49	<u>0</u>	0.00%	100.00%		
50	<u>0</u>	0.00%	100.00%		
51	<u>0</u>	0.00%	100.00%		
52	<u>0</u>	0.00%	100.00%		
53	<u>0</u>	0.00%	100.00%		
54	<u>0</u>	0.00%	100.00%		
Totals:	100	100.00%			

Cumulative Frequency Distribution

Frequency Distribution

1 SPEED SURVEY FIELD SHEET
CITY OF SALINAS

SITE CODE
50

LOCATION Iris Dr btwn North Main St & Tyler St.

DATE 8/23/22 DAY Wed

TIME 11:40 AM TO 12:19

OBSERVER Emilio

CALCULATED BY Emilio

WEATHER sunny

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

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

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

STREET: **EAST LAUREL DRIVE**
BETWEEN: **NATIVIDAD RD & N SANBORN RD**
SURVEY DATE: **07/21/2022 (EXPIRES IN 2027)**

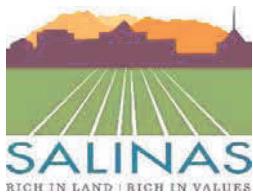
52



COMMENTS:

This segment of East Laurel Drive is classified as a major arterial in the City of Salinas General Plan. The surrounding land use includes open space, backing residential homes, a hospital, and retail areas. Speed data collected July 21, 2022 revealed the 85th percentile speed of 51 mph. The 10 mph pace ranges from 38 mph to 47 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded down and reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 45 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 7,300 Feet		
Vertical Alignment	Flat		
Street Width	86 Feet		
No. Lanes and Median	4-Lane Major Arterial		
Proposed Speed Zone	45 MPH		
85 th Percentile Speed	51 MPH		
Traffic Volume (Date)	31,739 (2021)		
Accident Data (2 years)	10 Collisions (2019-2020)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	0.31 Acc./MVM		

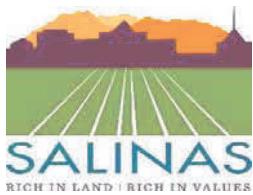


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	East Laurel Drive			Direction: <u>WBD</u>	Comments: No. 52
Between:	Natividad Road and Sanborn Road				
Survey Location:	Between Constitution Boulevard and St Edwards Avenue				
Speed Limit:	45 MPH				
Date:	07/21/22		Day:	Thursday	
Hours:	From:	10:07	To:	10:34	
Weather:	Sunny				
Observer(s):	Chris B. & Chris J.				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
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	1	2.00%	2.00%		
32	0	0.00%	2.00%		
33	0	0.00%	2.00%		
34	0	0.00%	2.00%		
35	3	6.00%	8.00%		
36	0	0.00%	8.00%		
37	0	0.00%	8.00%		
38	4	8.00%	16.00%		
39	3	6.00%	22.00%		
40	9	18.00%	40.00%		
41	4	8.00%	48.00%		
42	1	2.00%	50.00%		
43	5	10.00%	60.00%		
44	4	8.00%	68.00%		
45	5	10.00%	78.00%		
46	0	0.00%	78.00%		
47	0	0.00%	78.00%		
48	3	6.00%	84.00%		
49	0	0.00%	84.00%		
50	4	8.00%	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	0	0.00%	98.00%		
56	0	0.00%	98.00%		
57	0	0.00%	98.00%		
58	0	0.00%	98.00%		
59	0	0.00%	98.00%		
60	1	2.00%	100.00%		
61	0	0.00%	100.00%		
62	0	0.00%	100.00%		
63	0	0.00%	100.00%		
64	0	0.00%	100.00%		
Totals:	50	100.00%			

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	East Laurel Drive			Direction: <u>EBD</u>	Comments: No. 52
Between:	Natividad Road and Sanborn Road				
Survey Location:	Between Constitution Boulevard and St Edwards Avenue				
Speed Limit:	45 MPH				
Date:	07/21/22			Day:	Thursday
Hours:	From:	10:07	To:	10:34	
Weather:	Sunny				
Observer(s):	Chris B. & Chris J.				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
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	0	0.00%	0.00%		
36	0	0.00%	0.00%		
37	0	0.00%	0.00%		
38	3	6.00%	6.00%		
39	3	6.00%	12.00%		
40	1	2.00%	14.00%		
41	2	4.00%	18.00%		
42	2	4.00%	22.00%		
43	7	14.00%	36.00%		
44	2	4.00%	40.00%		
45	6	12.00%	52.00%		
46	1	2.00%	54.00%		
47	1	2.00%	56.00%		
48	1	2.00%	58.00%		
49	2	4.00%	62.00%		
50	7	14.00%	76.00%		
51	2	4.00%	80.00%		
52	1	2.00%	82.00%		
53	4	8.00%	90.00%		
54	1	2.00%	92.00%		
55	1	2.00%	94.00%		
56	1	2.00%	96.00%		
57	1	2.00%	98.00%		
58	0	0.00%	98.00%		
59	0	0.00%	98.00%		
60	1	2.00%	100.00%		
61	0	0.00%	100.00%		
62	0	0.00%	100.00%		
63	0	0.00%	100.00%		
64	0	0.00%	100.00%		
Totals:	50	100.00%			

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	East Laurel Drive			Direction: <u>WBD/EBD</u>	Comments: No. 52
Between:	Natividad Road and Sanborn Road				
Survey Location:	Between Constitution Boulevard and St Edwards Avenue				
Speed Limit:	45 MPH				
Date:	07/21/22		Day:	Thursday	
Hours:	From:	10:07	To:	10:34	
Weather:	Sunny				
Observer(s):	Chris B. & Chris J.				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
20	0	0.00%	0.00%	Time Mean Speed: 44.8 MPH	
21	0	0.00%	0.00%	Sample Variance: 32.94	
22	0	0.00%	0.00%	Standard Deviation: 5.7	
23	0	0.00%	0.00%	Variance of the Mean: 0.3294	
24	0	0.00%	0.00%	Standard Error of the Mean: 0.6	
25	0	0.00%	0.00%	10 MPH Pace: 38 MPH	
26	0	0.00%	0.00%	Percent in Pace: 63.0%	
27	0	0.00%	0.00%	Vehicles in Pace: 63	
28	0	0.00%	0.00%	50th Percentile Speed: 44 MPH	
29	0	0.00%	0.00%	85th Percentile Speed: 51 MPH	
30	0	0.00%	0.00%	90th Percentile Speed: 53 MPH	
31	1	1.00%	1.00%	95th Percentile Speed: 54 MPH	
32	0	0.00%	1.00%		
33	0	0.00%	1.00%		
34	0	0.00%	1.00%		
35	3	3.00%	4.00%		
36	0	0.00%	4.00%		
37	0	0.00%	4.00%		
38	7	7.00%	11.00%		
39	6	6.00%	17.00%		
40	10	10.00%	27.00%		
41	6	6.00%	33.00%		
42	3	3.00%	36.00%		
43	12	12.00%	48.00%		
44	6	6.00%	54.00%		
45	11	11.00%	65.00%		
46	1	1.00%	66.00%		
47	1	1.00%	67.00%		
48	4	4.00%	71.00%		
49	2	2.00%	73.00%		
50	11	11.00%	84.00%		
51	2	2.00%	86.00%		
52	3	3.00%	89.00%		
53	5	5.00%	94.00%		
54	1	1.00%	95.00%		
55	1	1.00%	96.00%		
56	1	1.00%	97.00%		
57	1	1.00%	98.00%		
58	0	0.00%	98.00%		
59	0	0.00%	98.00%		
60	2	2.00%	100.00%		
61	0	0.00%	100.00%		
62	0	0.00%	100.00%		
63	0	0.00%	100.00%		
64	0	0.00%	100.00%		
Totals:	100	100.00%			

Cumulative Frequency Distribution

Frequency Distribution

1

SITE CODE
52

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

LOCATION East Laurel Dr btwn Natividad Rd + Sanborn RdDATE 7-21-22 DAY Thursday TIME 10:07 TO 10:34OBSERVER Chris J. CALCULATED BY Chris B WEATHER Sunny

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

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

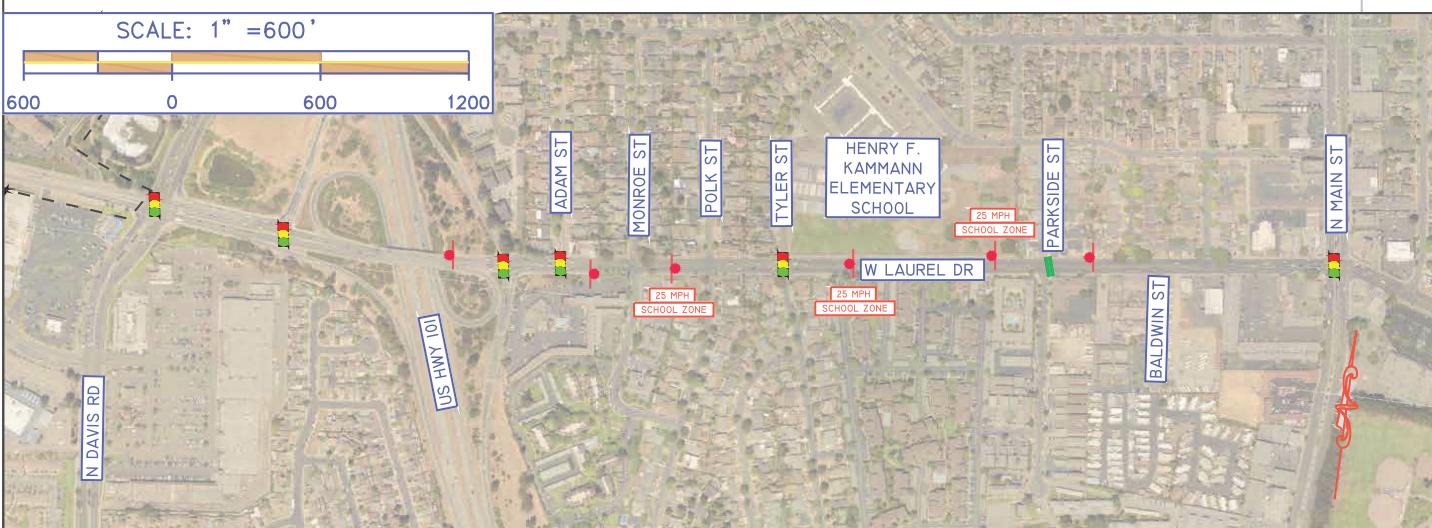
 Number: 1 Author: jonathanh Subject: Text Box Date: 9/26/2022 2:28:05 PM

 Number: 2 Author: jonathanh Subject: Text Box Date: 9/26/2022 2:27:59 PM

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

STREET: **WEST LAUREL DRIVE**
BETWEEN: **N DAVIS RD & N MAIN ST**
SURVEY DATE: **06/13/2022 (EXPIRES IN 2027)**

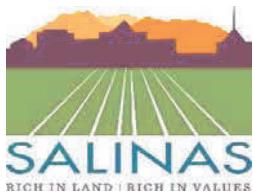
54



COMMENTS:

This segment of West Laurel Drive is classified as a major arterial in the City of Salinas General Plan. The surrounding land use includes a school, a park, fronting residential homes, retail, office, and business park areas. Speed data collected June 13, 2022 revealed the 85th percentile speed of 31 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, the 10 mph pace range, and the prevailing speeds rounded to the nearest 5 mph, the existing posted speed limit of 35 mph should be reduced to 30 mph.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 4,800 Feet		
Vertical Alignment	Flat		
Street Width	62 Feet		
No. Lanes and Median	4/5-Lane Major Arterial		
Proposed Speed Zone	30 MPH		
85 th Percentile Speed	31 MPH		
Traffic Volume (Date)	28,264 (2022)		
Accident Data (2 years)	18 Collisions (2019-2020)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	0.96 Acc./MVM		

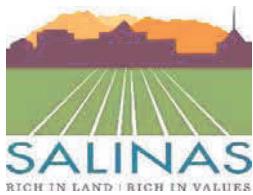


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	West Laurel Drive			Direction: <u>EBD</u>	Comments: <u>No. 54</u>
Between:	North Davis Road and North Main Street				
Survey Location:	Between Baldwin Street and Huntington Street				
Speed Limit:	35 MPH				
Date:	06/13/22			Day: <u>Monday</u>	
Hours:	From: <u>12:30</u>		To: <u>01:25</u>		
Weather:	Sunny				
Observer(s):	Emileo				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%	Time Mean Speed: <u>25.8</u> MPH	
11	0	0.00%	0.00%	Sample Variance: <u>24.83</u>	
12	0	0.00%	0.00%	Standard Deviation: <u>5.0</u>	
13	0	0.00%	0.00%	Variance of the Mean: <u>0.4966</u>	
14	0	0.00%	0.00%	Standard Error of the Mean: <u>0.7</u>	
15	0	0.00%	0.00%	10 MPH Pace: <u>20</u> To: <u>29</u> MPH	
16	1	2.00%	2.00%	Percent in Pace: <u>74.0%</u>	
17	0	0.00%	2.00%	Vehicles in Pace: <u>37</u>	
18	1	2.00%	4.00%	50th Percentile Speed: <u>25</u> MPH	
19	1	2.00%	6.00%	85th Percentile Speed: <u>31</u> MPH	
20	4	8.00%	14.00%	90th Percentile Speed: <u>32</u> MPH	
21	2	4.00%	18.00%	95th Percentile Speed: <u>35</u> MPH	
22	3	6.00%	24.00%		
23	6	12.00%	36.00%		
24	2	4.00%	40.00%		
25	5	10.00%	50.00%		
26	7	14.00%	64.00%		
27	3	6.00%	70.00%		
28	2	4.00%	74.00%		
29	3	6.00%	80.00%		
30	2	4.00%	84.00%		
31	2	4.00%	88.00%		
32	1	2.00%	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	1	2.00%	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%		
48	0	0.00%	100.00%		
49	0	0.00%	100.00%		
50	0	0.00%	100.00%		
51	0	0.00%	100.00%		
52	0	0.00%	100.00%		
53	0	0.00%	100.00%		
54	0	0.00%	100.00%		
Totals:	50	100.00%			

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	West Laurel Drive			Direction: <u>WBD</u>	Comments: <u>No. 54</u>
Between:	North Davis Road and North Main Street				
Survey Location:	Between Baldwin Street and Huntington Street				
Speed Limit:	35 MPH				
Date:	06/13/22			Day:	Monday
Hours:	From:	12:30		To:	01:25
Weather:	Sunny				
Observer(s):	Emileo				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%		
11	0	0.00%	0.00%		
12	0	0.00%	0.00%		
13	0	0.00%	0.00%		
14	0	0.00%	0.00%		
15	0	0.00%	0.00%		
16	1	2.00%	2.00%		
17	2	4.00%	6.00%		
18	1	2.00%	8.00%		
19	0	0.00%	8.00%		
20	1	2.00%	10.00%		
21	5	10.00%	20.00%		
22	2	4.00%	24.00%		
23	3	6.00%	30.00%		
24	3	6.00%	36.00%		
25	6	12.00%	48.00%		
26	1	2.00%	50.00%		
27	1	2.00%	52.00%		
28	4	8.00%	60.00%		
29	6	12.00%	72.00%		
30	2	4.00%	76.00%		
31	4	8.00%	84.00%		
32	1	2.00%	86.00%		
33	2	4.00%	90.00%		
34	2	4.00%	94.00%		
35	1	2.00%	96.00%		
36	0	0.00%	96.00%		
37	0	0.00%	96.00%		
38	0	0.00%	96.00%		
39	0	0.00%	96.00%		
40	2	4.00%	100.00%		
41	0	0.00%	100.00%		
42	0	0.00%	100.00%		
43	0	0.00%	100.00%		
44	0	0.00%	100.00%		
45	0	0.00%	100.00%		
46	0	0.00%	100.00%		
47	0	0.00%	100.00%		
48	0	0.00%	100.00%		
49	0	0.00%	100.00%		
50	0	0.00%	100.00%		
51	0	0.00%	100.00%		
52	0	0.00%	100.00%		
53	0	0.00%	100.00%		
54	0	0.00%	100.00%		
Totals:	50	100.00%			

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	West Laurel Drive			Direction: <u>EBD/WBD</u>	Comments: <u>No. 54</u>
Between:	North Davis Road and North Main Street				
Survey Location:	Between Baldwin Street and Huntington Street				
Speed Limit:	35 MPH				
Date:	06/13/22		Day:	Monday	
Hours:	From: 12:30		To:	01:25	
Weather:	Sunny				
Observer(s):	Emileo				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%		
11	0	0.00%	0.00%		
12	0	0.00%	0.00%		
13	0	0.00%	0.00%		
14	0	0.00%	0.00%		
15	0	0.00%	0.00%		
16	2	2.00%	2.00%		
17	2	2.00%	4.00%		
18	2	2.00%	6.00%		
19	1	1.00%	7.00%		
20	5	5.00%	12.00%		
21	7	7.00%	19.00%		
22	5	5.00%	24.00%		
23	9	9.00%	33.00%		
24	5	5.00%	38.00%		
25	11	11.00%	49.00%		
26	8	8.00%	57.00%		
27	4	4.00%	61.00%		
28	6	6.00%	67.00%		
29	9	9.00%	76.00%		
30	4	4.00%	80.00%		
31	6	6.00%	86.00%		
32	2	2.00%	88.00%		
33	3	3.00%	91.00%		
34	3	3.00%	94.00%		
35	2	2.00%	96.00%		
36	0	0.00%	96.00%		
37	1	1.00%	97.00%		
38	0	0.00%	97.00%		
39	0	0.00%	97.00%		
40	2	2.00%	99.00%		
41	1	1.00%	100.00%		
42	0	0.00%	100.00%		
43	0	0.00%	100.00%		
44	0	0.00%	100.00%		
45	0	0.00%	100.00%		
46	0	0.00%	100.00%		
47	0	0.00%	100.00%		
48	0	0.00%	100.00%		
49	0	0.00%	100.00%		
50	0	0.00%	100.00%		
51	0	0.00%	100.00%		
52	0	0.00%	100.00%		
53	0	0.00%	100.00%		
54	0	0.00%	100.00%		
Totals:	100	100.00%			

Cumulative Frequency Distribution

Frequency Distribution

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE

54

2

LOCATION West Laurel Dr btwn Davis Rd + North Main StDATE 6/13/22 DAY Monday TIME 12:30 TO 1:25OBSERVER Enzy CALCULATED BY Enzy WEATHER Sunny

Direction: <u>East</u>		Number of Vehicles			
MPH		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	X				
36					
35	X				
34	X				
33	X				
32	X				
31	X	X			
30	X	X			
29	X	X	X		
28	X	X			
27	X	X	X		
26	X	X	X	X	X
25	X	X	X	X	X
24	X	X			
23	X	X	X	X	X
22	X	X	X		
21	X	X			
20	X	X	X	X	X
19	X				
18	X				
17					
16	X				
15					
14					
13					
12					
11					
10					

Direction: <u>West</u>		Number of Vehicles			
MPH		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	X	X			
39					
38					
37					
36					
35	X				
34	X	X			
33	X	X			
32	X				
31	X	X	X		
30	X	X			
29	X	X	X	X	X
28	X	X	X	X	X
27	X				
26	X				
25	X	X	X	X	X
24	X	X	X		
23	X	X			
22	X				
21	X	X	X	X	X
20	X				
19					
18	X				
17	X				
16	X				
15					
14					
13					
12					
11					
10					

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11 11 11 11 11 11

 Number: 1 Author: jonathanh Subject: Text Box Date: 9/26/2022 2:28:39 PM

 Number: 2 Author: jonathanh Subject: Text Box Date: 9/26/2022 2:28:32 PM

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

STREET: **LINWOOD DRIVE**
BETWEEN: **E LAUREL DR & E ALVIN DR**
SURVEY DATE: **07/22/2022 (EXPIRES IN 2027)**

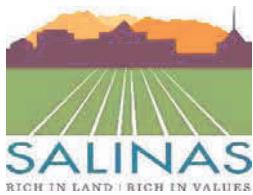
55



COMMENTS:

This segment of Linwood Drive is classified as minor arterial in the City of Salinas General Plan. The surrounding land use includes a school and fronting residential homes. Speed data collected July 22, 2022 revealed the 85th percentile speed of 34 mph. The 10 mph pace ranges from 25 mph to 34 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded up and reduced by 5 mph per MUTCD option 2, the existing posted speed limit of 25 mph should be increased to 30 mph.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 3,250 Feet		
Vertical Alignment	Flat		
Street Width	Varies (43 to 63 Feet)		
No. Lanes and Median	2-Lane Minor Arterial		
Proposed Speed Zone	30 MPH		
85 th Percentile Speed	34 MPH		
Traffic Volume (Date)	5,285 (2022)		
Accident Data (2 years)	5 Collisions (2019-2020)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	2.11 Acc./MVM		

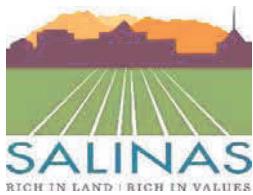


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Linwood Drive			Direction: <u>SBD</u>	Comments: No. 55
Between:	East Laurel Drive and East Alvin Drive				
Survey Location:	Between Elwood Street and Sequoia Street				
Speed Limit:	25 MPH				
Date:	07/22/22			Day: <u>Friday</u>	
Hours:	From: <u>04:03</u>		To: <u>04:28</u>		
Weather:	Sunny				
Observer(s):	Eva and Orion				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
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	0	0.00%	6.00%		
22	2	4.00%	10.00%		
23	0	0.00%	10.00%		
24	0	0.00%	10.00%		
25	4	8.00%	18.00%		
26	0	0.00%	18.00%		
27	3	6.00%	24.00%		
28	0	0.00%	24.00%		
29	0	0.00%	24.00%		
30	14	28.00%	52.00%		
31	3	6.00%	58.00%		
32	6	12.00%	70.00%		
33	5	10.00%	80.00%		
34	3	6.00%	86.00%		
35	3	6.00%	92.00%		
36	1	2.00%	94.00%		
37	1	2.00%	96.00%		
38	1	2.00%	98.00%		
39	0	0.00%	98.00%		
40	0	0.00%	98.00%		
41	0	0.00%	98.00%		
42	1	2.00%	100.00%		
43	0	0.00%	100.00%		
44	0	0.00%	100.00%		
45	0	0.00%	100.00%		
46	0	0.00%	100.00%		
47	0	0.00%	100.00%		
48	0	0.00%	100.00%		
49	0	0.00%	100.00%		
50	0	0.00%	100.00%		
51	0	0.00%	100.00%		
52	0	0.00%	100.00%		
53	0	0.00%	100.00%		
54	0	0.00%	100.00%		
Totals:	50	100.00%			

Cumulative Frequency Distribution

Frequency Distribution

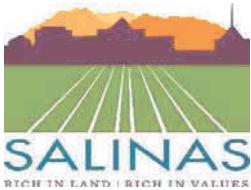


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Linwood Drive			Direction: <u>NBD</u>	Comments: <u>No. 55</u>
Between:	East Laurel Drive and East Alvin Drive				
Survey Location:	Between Elwood Street and Sequoia Street				
Speed Limit:	25 MPH				
Date:	07/22/22			Day: <u>Friday</u>	
Hours:	From: <u>04:03</u>	To: <u>04:28</u>			
Weather:	Sunny				
Observer(s):	Eva and Orion				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
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	2	4.00%	4.00%		
24	1	2.00%	6.00%		
25	5	10.00%	16.00%		
26	6	12.00%	28.00%		
27	3	6.00%	34.00%		
28	4	8.00%	42.00%		
29	6	12.00%	54.00%		
30	6	12.00%	66.00%		
31	2	4.00%	70.00%		
32	0	0.00%	70.00%		
33	4	8.00%	78.00%		
34	4	8.00%	86.00%		
35	1	2.00%	88.00%		
36	2	4.00%	92.00%		
37	0	0.00%	92.00%		
38	3	6.00%	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%		
50	0	0.00%	100.00%		
51	0	0.00%	100.00%		
52	0	0.00%	100.00%		
53	0	0.00%	100.00%		
54	0	0.00%	100.00%		
Totals:	50	100.00%			

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Linwood Drive			Direction: <u>SBD/NBD</u>	Comments: <u>No. 55</u>
Between:	East Laurel Drive and East Alvin Drive				
Survey Location:	Between Elwood Street and Sequoia Street				
Speed Limit:	25 MPH				
Date:	07/22/22			Day: <u>Friday</u>	
Hours:	From: <u>04:03</u>	To: <u>04:28</u>			
Weather:	Sunny				
Observer(s):	Eva and Orion				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%	Time Mean Speed: <u>30.1</u> MPH	
11	0	0.00%	0.00%	Sample Variance: <u>20.27</u>	
12	0	0.00%	0.00%	Standard Deviation: <u>4.5</u>	
13	0	0.00%	0.00%	Variance of the Mean: <u>0.2027</u>	
14	0	0.00%	0.00%	Standard Error of the Mean: <u>0.5</u>	
15	0	0.00%	0.00%	10 MPH Pace: <u>25</u> MPH	
16	0	0.00%	0.00%	Percent in Pace: <u>78.0%</u>	
17	0	0.00%	0.00%	Vehicles in Pace: <u>78</u>	
18	0	0.00%	0.00%	50th Percentile Speed: <u>30</u> MPH	
19	0	0.00%	0.00%	85th Percentile Speed: <u>34</u> MPH	
20	3	3.00%	3.00%	90th Percentile Speed: <u>35</u> MPH	
21	0	0.00%	3.00%	95th Percentile Speed: <u>38</u> MPH	
22	2	2.00%	5.00%		
23	2	2.00%	7.00%		
24	1	1.00%	8.00%		
25	9	9.00%	17.00%		
26	6	6.00%	23.00%		
27	6	6.00%	29.00%		
28	4	4.00%	33.00%		
29	6	6.00%	39.00%		
30	20	20.00%	59.00%		
31	5	5.00%	64.00%		
32	6	6.00%	70.00%		
33	9	9.00%	79.00%		
34	7	7.00%	86.00%		
35	4	4.00%	90.00%		
36	3	3.00%	93.00%		
37	1	1.00%	94.00%		
38	4	4.00%	98.00%		
39	0	0.00%	98.00%		
40	0	0.00%	98.00%		
41	0	0.00%	98.00%		
42	1	1.00%	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%		
50	0	0.00%	100.00%		
51	0	0.00%	100.00%		
52	0	0.00%	100.00%		
53	0	0.00%	100.00%		
54	0	0.00%	100.00%		
Totals:	100	100.00%			

Cumulative Frequency Distribution

Frequency Distribution

2

1 SPEED SURVEY FIELD SHEET

SITE CODE
55

LOCATION

Linwood Dr Brown East Laurel Drive + East Alvin Dr

DATE

7/22/12 DAY Friday

TIME 4:03

TO

OBSERVER

Orion & Eva

CALCULATED BY

WEATHER Sunny

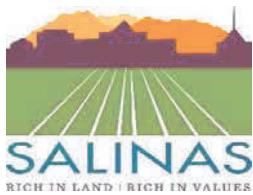
Direction: Oncoming South				
MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
66				
65				
64				
63				
62				
61				
60				
59				
58				
57				
56				
55				
54				
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21				
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19				
18				
17				
16				
15				
14				
13				
12				
11				
10				

Direction: Away North				
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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14				
13				
12				
11				
10				

 Number: 1 Author: jonathanh Subject: Text Box Date: 9/26/2022 2:29:08 PM

 Number: 2 Author: jonathanh Subject: Text Box Date: 9/26/2022 2:29:01 PM



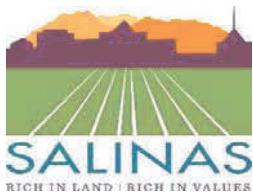


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	North Main Street			Direction: <u>SBD</u>	Comments: <u>No. 56</u>
Between:	East Laurel Drive and East Bernal Drive				
Survey Location:	Between East Laurel Drive and Iris Drive				
Speed Limit:	35 MPH				
Date:	07/21/22		Day:	Thursday	
Hours:	From: 02:11		To:	02:30	
Weather:	Sunny				
Observer(s):	Eva and Orion				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
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	0	0.00%	2.00%		
24	0	0.00%	2.00%		
25	0	0.00%	2.00%		
26	0	0.00%	2.00%		
27	3	6.00%	8.00%		
28	2	4.00%	12.00%		
29	0	0.00%	12.00%		
30	10	20.00%	32.00%		
31	0	0.00%	32.00%		
32	3	6.00%	38.00%		
33	0	0.00%	38.00%		
34	0	0.00%	38.00%		
35	14	28.00%	66.00%		
36	7	14.00%	80.00%		
37	1	2.00%	82.00%		
38	1	2.00%	84.00%		
39	3	6.00%	90.00%		
40	3	6.00%	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%			

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	North Main Street			Direction: <u>NBD</u>	Comments: <u>No. 56</u>
Between:	East Laurel Drive and East Bernal Drive				
Survey Location:	Between East Laurel Drive and Iris Drive				
Speed Limit:	35 MPH				
Date:	07/21/22			Day: <u>Thursday</u>	
Hours:	From: <u>02:11</u>		To: <u>02:30</u>		
Weather:	Sunny				
Observer(s):	Eva and Orion				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
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	0	0.00%	2.00%		
24	0	0.00%	2.00%		
25	3	6.00%	8.00%		
26	0	0.00%	8.00%		
27	2	4.00%	12.00%		
28	1	2.00%	14.00%		
29	2	4.00%	18.00%		
30	1	2.00%	20.00%		
31	0	0.00%	20.00%		
32	2	4.00%	24.00%		
33	3	6.00%	30.00%		
34	2	4.00%	34.00%		
35	6	12.00%	46.00%		
36	4	8.00%	54.00%		
37	3	6.00%	60.00%		
38	4	8.00%	68.00%		
39	2	4.00%	72.00%		
40	4	8.00%	80.00%		
41	3	6.00%	86.00%		
42	1	2.00%	88.00%		
43	2	4.00%	92.00%		
44	2	4.00%	96.00%		
45	1	2.00%	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%			

Time Mean Speed: 35.6 MPH

Sample Variance: 33.95

Standard Deviation: 5.8

Variance of the Mean: 0.6790

Standard Error of the Mean: 0.8

10 MPH Pace: 32 To: 41 MPH

Percent in Pace: 66.0%

Vehicles in Pace: 33

50th Percentile Speed: 36 MPH

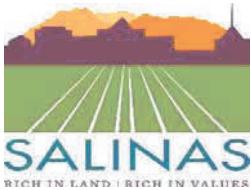
85th Percentile Speed: 41 MPH

90th Percentile Speed: 43 MPH

95th Percentile Speed: 44 MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	North Main Street			Direction: <u>SBD/NBD</u>	Comments: <u>No. 56</u>
Between:	East Laurel Drive and East Bernal Drive				
Survey Location:	Between East Laurel Drive and Iris Drive				
Speed Limit:	35 MPH				
Date:	<u>07/21/22</u>		Day:	<u>Thursday</u>	
Hours:	From: <u>02:11</u>		To:	<u>02:30</u>	
Weather:	<u>Sunny</u>				
Observer(s):	<u>Eva and Orion</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%	Time Mean Speed: <u>34.8</u> MPH	
11	0	0.00%	0.00%	Sample Variance: <u>27.86</u>	
12	0	0.00%	0.00%	Standard Deviation: <u>5.3</u>	
13	0	0.00%	0.00%	Variance of the Mean: <u>0.2786</u>	
14	0	0.00%	0.00%	Standard Error of the Mean: <u>0.5</u>	
15	0	0.00%	0.00%	10 MPH Pace: <u>30</u> To: <u>39</u> MPH	
16	0	0.00%	0.00%	Percent in Pace: <u>66.0%</u>	
17	0	0.00%	0.00%	Vehicles in Pace: <u>66</u>	
18	0	0.00%	0.00%	50th Percentile Speed: <u>35</u> MPH	
19	0	0.00%	0.00%	85th Percentile Speed: <u>40</u> MPH	
20	1	1.00%	1.00%	90th Percentile Speed: <u>41</u> MPH	
21	0	0.00%	1.00%	95th Percentile Speed: <u>44</u> MPH	
22	1	1.00%	2.00%		
23	0	0.00%	2.00%		
24	0	0.00%	2.00%		
25	3	3.00%	5.00%		
26	0	0.00%	5.00%		
27	5	5.00%	10.00%		
28	3	3.00%	13.00%		
29	2	2.00%	15.00%		
30	11	11.00%	26.00%		
31	0	0.00%	26.00%		
32	5	5.00%	31.00%		
33	3	3.00%	34.00%		
34	2	2.00%	36.00%		
35	20	20.00%	56.00%		
36	11	11.00%	67.00%		
37	4	4.00%	71.00%		
38	5	5.00%	76.00%		
39	5	5.00%	81.00%		
40	7	7.00%	88.00%		
41	3	3.00%	91.00%		
42	1	1.00%	92.00%		
43	2	2.00%	94.00%		
44	2	2.00%	96.00%		
45	3	3.00%	99.00%		
46	1	1.00%	100.00%		
47	0	0.00%	100.00%		
48	0	0.00%	100.00%		
49	0	0.00%	100.00%		
50	0	0.00%	100.00%		
51	0	0.00%	100.00%		
52	0	0.00%	100.00%		
53	0	0.00%	100.00%		
54	0	0.00%	100.00%		
Totals:	100	100.00%			

Cumulative Frequency Distribution

Frequency Distribution

① SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE

56

2

LOCATION North Main St b/w Laurel Dr + Bernal DrDATE 7/21/22 DAY thursday TIME 2:11 TO 2:30OBSERVER Orion & Eva CALCULATED BY _____ WEATHER sunny

Direction: Oncoming 864L				
MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
66				
65				
64				
63				
62				
61				
60				
59				
58				
57				
56				
55				
54				
53				
52				
51				
50				
49				
48				
47				
46				
45	✓			
44				
43				
42				
41				
40	✓✓✓✓			
39	✓✓✓✓			
38	✓✓✓✓			
37	✓✓✓✓			
36	✓✓✓✓			
35	✓✓✓✓			
34	✓✓✓✓			
33	✓✓✓✓			
32	✓✓✓✓			
31	✓✓✓✓			
30	✓✓✓✓			
29	✓✓✓✓			
28	✓✓✓✓			
27	✓✓✓✓			
26				
25				
24				
23				
22				
21				
20				
19				
18				
17				
16				
15				
14				
13				
12				
11				
10				

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

 Number: 1 Author: jonathanh Subject: Text Box Date: 9/26/2022 2:29:32 PM

 Number: 2 Author: jonathanh Subject: Text Box Date: 9/26/2022 2:29:38 PM

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

STREET: **NORTH MAIN STREET**
BETWEEN: **LAUREL DR & ALVIN DR**
SURVEY DATE: **07/11/2022 (EXPIRES IN 2027)**

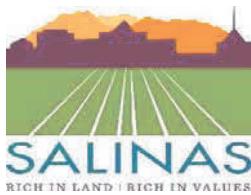
57



COMMENTS:

This segment of North Main Street is classified as a major arterial. The surrounding land use includes a shopping center, commercial offices and businesses, and retail areas. Speed data collected July 11, 2022 revealed the 85th percentile speed of 38 mph. The 10 mph pace ranges from 29 mph to 38 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded up and reduced by 5 mph per MUTCD option 2, the existing posted speed limit of 35 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 3,150 Feet		
Vertical Alignment	Flat		
Street Width	92 Feet		
No. Lanes and Median	5/6-Lane Major Arterial		
Proposed Speed Zone	35 MPH		
85 th Percentile Speed	38 MPH		
Traffic Volume (Date)	21,972 (2022)		
Accident Data (2 years)	28 Collisions (2019-2020)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	2.93 Acc./MVM		

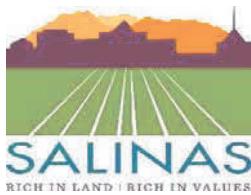


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	North Main Street			Direction: <u>NBD</u>	Comments: <u>No. 57</u>
Between:	<u>Laurel Drive and Alvin Drive</u>				
Survey Location:	<u>Between Chaparral Street and Curtis Street</u>				
Speed Limit:	<u>35 MPH</u>				
Date:	<u>07/11/22</u>		Day:	<u>Monday</u>	
Hours:	From:	<u>12:31</u>	To:	<u>12:56</u>	
Weather:	<u>Sunny</u>				
Observer(s):	<u>Chris B & Chris J.</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
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	0	0.00%	2.00%		
24	0	0.00%	2.00%		
25	3	6.00%	8.00%		
26	0	0.00%	8.00%		
27	2	4.00%	12.00%		
28	1	2.00%	14.00%		
29	2	4.00%	18.00%		
30	3	6.00%	24.00%		
31	3	6.00%	30.00%		
32	1	2.00%	32.00%		
33	5	10.00%	42.00%		
34	1	2.00%	44.00%		
35	5	10.00%	54.00%		
36	5	10.00%	64.00%		
37	4	8.00%	72.00%		
38	5	10.00%	82.00%		
39	0	0.00%	82.00%		
40	3	6.00%	88.00%		
41	1	2.00%	90.00%		
42	1	2.00%	92.00%		
43	2	4.00%	96.00%		
44	1	2.00%	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%			

Cumulative Frequency Distribution

Frequency Distribution

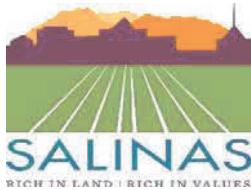


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	North Main Street			Direction: <u>SBD</u>	Comments: <u>No. 57</u>
Between:	<u>Laurel Drive and Alvin Drive</u>				
Survey Location:	<u>Between Chaparral Street and Curtis Street</u>				
Speed Limit:	<u>35 MPH</u>				
Date:	<u>07/11/22</u>		Day:	<u>Monday</u>	
Hours:	From: <u>12:31</u>	To: <u>12:56</u>			
Weather:	<u>Sunny</u>				
Observer(s):	<u>Chris B & Chris J.</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%		
11	0	0.00%	0.00%		
12	0	0.00%	0.00%		
13	0	0.00%	0.00%		
14	0	0.00%	0.00%		
15	0	0.00%	0.00%		
16	0	0.00%	0.00%		
17	0	0.00%	0.00%		
18	0	0.00%	0.00%		
19	0	0.00%	0.00%		
20	0	0.00%	0.00%		
21	0	0.00%	0.00%		
22	0	0.00%	0.00%		
23	1	2.00%	2.00%		
24	1	2.00%	4.00%		
25	2	4.00%	8.00%		
26	0	0.00%	8.00%		
27	0	0.00%	8.00%		
28	0	0.00%	8.00%		
29	1	2.00%	10.00%		
30	5	10.00%	20.00%		
31	2	4.00%	24.00%		
32	6	12.00%	36.00%		
33	4	8.00%	44.00%		
34	2	4.00%	48.00%		
35	11	22.00%	70.00%		
36	3	6.00%	76.00%		
37	1	2.00%	78.00%		
38	5	10.00%	88.00%		
39	0	0.00%	88.00%		
40	2	4.00%	92.00%		
41	1	2.00%	94.00%		
42	0	0.00%	94.00%		
43	1	2.00%	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%			

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	North Main Street			Direction: <u>NBD/SBD</u>	Comments: <u>No. 57</u>
Between:	<u>Laurel Drive and Alvin Drive</u>				
Survey Location:	<u>Between Chaparral Street and Curtis Street</u>				
Speed Limit:	<u>35 MPH</u>				
Date:	<u>07/11/22</u>		Day:	<u>Monday</u>	
Hours:	From:	<u>12:31</u>	To:	<u>12:56</u>	
Weather:	<u>Sunny</u>				
Observer(s):	<u>Chris B & Chris J.</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
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	0	0.00%	1.00%		
22	0	0.00%	1.00%		
23	1	1.00%	2.00%		
24	1	1.00%	3.00%		
25	5	5.00%	8.00%		
26	0	0.00%	8.00%		
27	2	2.00%	10.00%		
28	1	1.00%	11.00%		
29	3	3.00%	14.00%		
30	8	8.00%	22.00%		
31	5	5.00%	27.00%		
32	7	7.00%	34.00%		
33	9	9.00%	43.00%		
34	3	3.00%	46.00%		
35	16	16.00%	62.00%		
36	8	8.00%	70.00%		
37	5	5.00%	75.00%		
38	10	10.00%	85.00%		
39	0	0.00%	85.00%		
40	5	5.00%	90.00%		
41	2	2.00%	92.00%		
42	1	1.00%	93.00%		
43	3	3.00%	96.00%		
44	1	1.00%	97.00%		
45	2	2.00%	99.00%		
46	1	1.00%	100.00%		
47	0	0.00%	100.00%		
48	0	0.00%	100.00%		
49	0	0.00%	100.00%		
50	0	0.00%	100.00%		
51	0	0.00%	100.00%		
52	0	0.00%	100.00%		
53	0	0.00%	100.00%		
54	0	0.00%	100.00%		
Totals:	100	100.00%			

Cumulative Frequency Distribution

Frequency Distribution

① SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE

57

LOCATION

North Main St btwn Laurel Dr + Alvin Dr

DATE

07-11-02

DAY

Friday

TIME

12:31

TO

12:56

OBSERVER

Chris J

CALCULATED BY

Chris B

WEATHER

Sunny

Direction: North		Number of Vehicles			
MPH		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	X				
44	X				
43	X				
42	X				
41	X				
40	X				
39					
38	X	X	X	X	X
37					
36	X	X	X	X	X
35	X	X	X	X	X
34	X	X	X	X	X
33	X	X	X	X	X
32	X	X	X	X	X
31	X	X	X	X	X
30	X	X	X	X	X
29	X	X	X	X	X
28	X	X	X	X	X
27	X	X	X	X	X
26					
25	X	X	X	X	X
24					
23					
22					
21					
20	X				
19					
18					
17					
16					
15					
14					
13					
12					
11					
10					

Direction: South		Number of Vehicles			
MPH		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	X	X	X	X	X
44	X	X	X	X	X
43	X	X	X	X	X
42	X	X	X	X	X
41	X	X	X	X	X
40	X	X	X	X	X
39					
38	X	X	X	X	X
37					
36	X	X	X	X	X
35	X	X	X	X	X
34	X	X	X	X	X
33	X	X	X	X	X
32	X	X	X	X	X
31	X	X	X	X	X
30	X	X	X	X	X
29	X	X	X	X	X
28					
27					
26					
25	X	X	X	X	X
24					
23					
22					
21					
20					
19					
18					
17					
16					
15					
14					
13					
12					
11					
10					

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

STREET: **W ROSSI STREET**
BETWEEN: **N DAVIS RD & N MAIN ST**
SURVEY DATE: **05/03/2022 (EXPIRES IN 2027)**

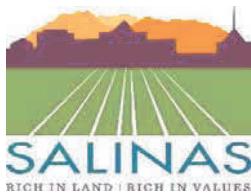
62



COMMENTS:

This segment of West Rossi Street is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes fronting/backing residential homes, business park, and general industrial areas. Speed data collected May 3, 2022 revealed the 85th percentile speed of 41 mph. The 10 mph pace ranges from 30 mph to 39 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded to the nearest 5 mph, the existing posted speed limit of 40 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL	STAMP
Distance	Approximately 5,900 Feet		
Vertical Alignment	Flat		
Street Width	Varies (44 to 62 Feet)		
No. Lanes and Median	3-Lane Minor Arterial		
Proposed Speed Zone	40 MPH		
85th Percentile Speed	41 MPH		
Traffic Volume (Date)	17,009 (2019-2020)		
Accident Data (2 years)	3 Collisions (2019-2020)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	0.22 Acc./MVM		



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

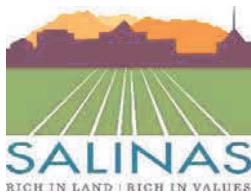
Street:	West Rossi Street			Direction: <u>EBD</u>	Comments: <u>No. 62</u>
Between:	<u>North Davis Road and North Main Street</u>				
Survey Location:	<u>Between Sansome Street and Martella Street</u>				
Speed Limit:	<u>40 MPH</u>				
Date:	<u>05/03/22</u>			Day: <u>Tuesday</u>	
Hours:	From: <u>11:24</u>	To: <u>12:00</u>			
Weather:	<u>Sunny</u>				
Observer(s):	<u>Emileo and Eva</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%	Time Mean Speed: <u>35.9 MPH</u>	
11	0	0.00%	0.00%	Sample Variance: <u>19.97</u>	
12	0	0.00%	0.00%	Standard Deviation: <u>4.5</u>	
13	0	0.00%	0.00%	Variance of the Mean: <u>0.3994</u>	
14	0	0.00%	0.00%	Standard Error of the Mean: <u>0.6</u>	
15	0	0.00%	0.00%	10 MPH Pace: <u>31 MPH</u>	
16	0	0.00%	0.00%	Percent in Pace: <u>76.0%</u>	
17	0	0.00%	0.00%	Vehicles in Pace: <u>38</u>	
18	0	0.00%	0.00%	50th Percentile Speed: <u>36 MPH</u>	
19	0	0.00%	0.00%	85th Percentile Speed: <u>40 MPH</u>	
20	0	0.00%	0.00%	90th Percentile Speed: <u>42 MPH</u>	
21	0	0.00%	0.00%	95th Percentile Speed: <u>44 MPH</u>	
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	3	6.00%	6.00%		
29	1	2.00%	8.00%		
30	1	2.00%	10.00%		
31	3	6.00%	16.00%		
32	5	10.00%	26.00%		
33	1	2.00%	28.00%		
34	5	10.00%	38.00%		
35	4	8.00%	46.00%		
36	6	12.00%	58.00%		
37	4	8.00%	66.00%		
38	5	10.00%	76.00%		
39	3	6.00%	82.00%		
40	2	4.00%	86.00%		
41	1	2.00%	88.00%		
42	2	4.00%	92.00%		
43	1	2.00%	94.00%		
44	1	2.00%	96.00%		
45	0	0.00%	96.00%		
46	1	2.00%	98.00%		
47	1	2.00%	100.00%		
48	0	0.00%	100.00%		
49	0	0.00%	100.00%		
50	0	0.00%	100.00%		
51	0	0.00%	100.00%		
52	0	0.00%	100.00%		
53	0	0.00%	100.00%		
54	0	0.00%	100.00%		
Totals:	50	100.00%			

Cumulative Frequency Distribution

Spot Speed MPH	Cumulative Frequency (%)
28	0
29	8
30	10
31	16
32	26
33	28
34	38
35	46
36	58
37	66
38	76
39	82
40	86
41	88
42	92
43	94
44	96
45	96
46	98
47	100
48	100
49	100
50	100
51	100
52	100

Frequency Distribution

Spot Speed MPH	Frequency
28	3
29	1
30	1
31	5
32	6
33	5
34	5
35	4
36	3
37	2
38	2
39	1
40	1
41	1
42	1
43	2
44	1
45	1
46	1
47	1
48	1
49	1
50	1
51	1
52	1



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	West Rossi Street			Direction: <u>WBD</u>	Comments: <u>No. 62</u>
Between:	<u>North Davis Road and North Main Street</u>				
Survey Location:	<u>Between Sansome Street and Martella Street</u>				
Speed Limit:	<u>40 MPH</u>				
Date:	<u>05/03/22</u>			Day: <u>Tuesday</u>	
Hours:	From: <u>11:24</u>		To: <u>12:00</u>		
Weather:	<u>Sunny</u>				
Observer(s):	<u>Emileo and Eva</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	<u>0</u>	0.00%	0.00%		
11	<u>0</u>	0.00%	0.00%		
12	<u>0</u>	0.00%	0.00%		
13	<u>0</u>	0.00%	0.00%		
14	<u>0</u>	0.00%	0.00%		
15	<u>0</u>	0.00%	0.00%		
16	<u>0</u>	0.00%	0.00%		
17	<u>0</u>	0.00%	0.00%		
18	<u>0</u>	0.00%	0.00%		
19	<u>1</u>	2.00%	2.00%		
20	<u>0</u>	0.00%	2.00%		
21	<u>0</u>	0.00%	2.00%		
22	<u>1</u>	2.00%	4.00%		
23	<u>0</u>	0.00%	4.00%		
24	<u>0</u>	0.00%	4.00%		
25	<u>1</u>	2.00%	6.00%		
26	<u>0</u>	0.00%	6.00%		
27	<u>0</u>	0.00%	6.00%		
28	<u>1</u>	2.00%	8.00%		
29	<u>1</u>	2.00%	10.00%		
30	<u>4</u>	8.00%	18.00%		
31	<u>3</u>	6.00%	24.00%		
32	<u>3</u>	6.00%	30.00%		
33	<u>2</u>	4.00%	34.00%		
34	<u>3</u>	6.00%	40.00%		
35	<u>4</u>	8.00%	48.00%		
36	<u>5</u>	10.00%	58.00%		
37	<u>2</u>	4.00%	62.00%		
38	<u>5</u>	10.00%	72.00%		
39	<u>2</u>	4.00%	76.00%		
40	<u>3</u>	6.00%	82.00%		
41	<u>1</u>	2.00%	84.00%		
42	<u>3</u>	6.00%	90.00%		
43	<u>1</u>	2.00%	92.00%		
44	<u>2</u>	4.00%	96.00%		
45	<u>2</u>	4.00%	100.00%		
46	<u>0</u>	0.00%	100.00%		
47	<u>0</u>	0.00%	100.00%		
48	<u>0</u>	0.00%	100.00%		
49	<u>0</u>	0.00%	100.00%		
50	<u>0</u>	0.00%	100.00%		
51	<u>0</u>	0.00%	100.00%		
52	<u>0</u>	0.00%	100.00%		
53	<u>0</u>	0.00%	100.00%		
54	<u>0</u>	0.00%	100.00%		
Totals:	50	100.00%			

Time Mean Speed: 35.4 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: 30 To: 39 MPH

Percent in Pace: 66.0%

Vehicles in Pace: 33

50th Percentile Speed: 36 MPH

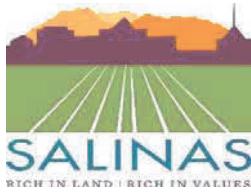
85th Percentile Speed: 42 MPH

90th Percentile Speed: 42 MPH

95th Percentile Speed: 44 MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	West Rossi Street			Direction: <u>EBD/WBD</u>	Comments: <u>No. 62</u>
Between:	<u>North Davis Road and North Main Street</u>				
Survey Location:	<u>Between Sansome Street and Martella Street</u>				
Speed Limit:	<u>40 MPH</u>				
Date:	<u>05/03/22</u>		Day:	<u>Tuesday</u>	
Hours:	From:	<u>11:24</u>	To:	<u>12:00</u>	
Weather:	<u>Sunny</u>				
Observer(s):	<u>Emileo and Eva</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
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	1	1.00%	2.00%		
23	0	0.00%	2.00%		
24	0	0.00%	2.00%		
25	1	1.00%	3.00%		
26	0	0.00%	3.00%		
27	0	0.00%	3.00%		
28	4	4.00%	7.00%		
29	2	2.00%	9.00%		
30	5	5.00%	14.00%		
31	6	6.00%	20.00%		
32	8	8.00%	28.00%		
33	3	3.00%	31.00%		
34	8	8.00%	39.00%		
35	8	8.00%	47.00%		
36	11	11.00%	58.00%		
37	6	6.00%	64.00%		
38	10	10.00%	74.00%		
39	5	5.00%	79.00%		
40	5	5.00%	84.00%		
41	2	2.00%	86.00%		
42	5	5.00%	91.00%		
43	2	2.00%	93.00%		
44	3	3.00%	96.00%		
45	2	2.00%	98.00%		
46	1	1.00%	99.00%		
47	1	1.00%	100.00%		
48	0	0.00%	100.00%		
49	0	0.00%	100.00%		
50	0	0.00%	100.00%		
51	0	0.00%	100.00%		
52	0	0.00%	100.00%		
53	0	0.00%	100.00%		
54	0	0.00%	100.00%		
Totals:	100	100.00%			

Cumulative Frequency Distribution

Frequency Distribution

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE

62

LOCATION

Rossi St btwn North Davis Rd + North Main St

DATE 05/03/2022 DAY TuesdayTIME 11:24 TO 12:00OBSERVER EmilioCALCULATED BY Eva H.WEATHER Sunny

Direction: Away 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	X			
46		X		
45			X	
44	X			
43		X		
42	X	X		
41		X		
40	X			
39	X	X	X	
38	X	X	X	X
37	X	X	X	
36	X	X	X	X
35		X	X	
34	X	X	X	
33		X		
32	X	X	X	
31	X		X	
30	X			
29	X			
28	X	X	X	
27				
26				
25				
24				
23				
22				
21				
20				
19				
18				
17				
16				
15				
14				
13				
12				
11				
10				

Direction: Oncoming 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	X	X		
44		X		
43	X			
42	X	X	X	
41	X			
40	X	X		
39	X			
38	X	X	X	
37	X	X	X	
36	X	X	X	
35	X	X	X	
34	X	X	X	
33	X	X		
32	X	X	X	
31	X		X	
30	X		X	
29	X			
28	X			
27				
26				
25				
24				
23				
22				
21				
20				
19				
18				
17				
16				
15				
14				
13				
12				
11				
10				

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

STREET: **WEST ACACIA STREET**
BETWEEN: **IVERSON ST & W ALISAL ST**
SURVEY DATE: **03/02/2022 (EXPIRES IN 2027)**

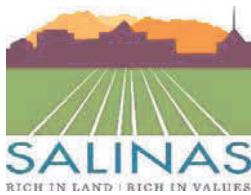
77



COMMENTS:

This segment of West Acacia Street is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes fronting residential homes and schools. Speed data collected March 2, 2022 revealed the 85th percentile speed of 29 mph. The 10 mph pace ranges from 21 mph to 30 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded up and reduced by 5 mph per MUTCD option 2, the existing posted speed limit of 25 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 2,500 Feet		
Vertical Alignment	Flat		
Street Width	40 Feet		
No. Lanes and Median	2-Lane Minor Arterial		
Proposed Speed Zone	25 MPH		
85 th Percentile Speed	29 MPH		
Traffic Volume (Date)	4,287 (2022)		
Accident Data (2 years)	0 Collisions (2019-2020)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	0.00 Acc./MVM		

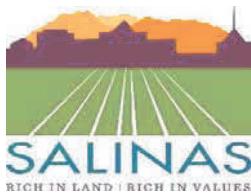


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	West Acacia Street			Direction: <u>WBD</u>	Comments: <u>No. 77</u>
Between:	<u>Iverson Street and West Alisal Street</u>				
Survey Location:	<u>Between San Vincente Avenue and Sierra Madre Dr</u>				
Speed Limit:	<u>25 MPH</u>				
Date:	<u>03/02/22</u>		Day:	<u>Wednesday</u>	
Hours:	From: <u>03:30</u>		To:	<u>04:00</u>	
Weather:	<u>Sunny</u>				
Observer(s):	<u>Emileo</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%	Time Mean Speed: <u>26.8 MPH</u>	
11	0	0.00%	0.00%	Sample Variance: <u>9.53</u>	
12	0	0.00%	0.00%	Standard Deviation: <u>3.1</u>	
13	0	0.00%	0.00%	Variance of the Mean: <u>0.1906</u>	
14	0	0.00%	0.00%	Standard Error of the Mean: <u>0.4</u>	
15	0	0.00%	0.00%	10 MPH Pace: <u>21 MPH</u>	
16	0	0.00%	0.00%	Percent in Pace: <u>88.0%</u>	
17	0	0.00%	0.00%	Vehicles in Pace: <u>44</u>	
18	0	0.00%	0.00%	50th Percentile Speed: <u>26 MPH</u>	
19	1	2.00%	2.00%	85th Percentile Speed: <u>30 MPH</u>	
20	0	0.00%	2.00%	90th Percentile Speed: <u>30 MPH</u>	
21	1	2.00%	4.00%	95th Percentile Speed: <u>33 MPH</u>	
22	3	6.00%	10.00%		
23	1	2.00%	12.00%		
24	4	8.00%	20.00%		
25	6	12.00%	32.00%		
26	9	18.00%	50.00%		
27	6	12.00%	62.00%		
28	5	10.00%	72.00%		
29	5	10.00%	82.00%		
30	4	8.00%	90.00%		
31	1	2.00%	92.00%		
32	1	2.00%	94.00%		
33	3	6.00%	100.00%		
34	0	0.00%	100.00%		
35	0	0.00%	100.00%		
36	0	0.00%	100.00%		
37	0	0.00%	100.00%		
38	0	0.00%	100.00%		
39	0	0.00%	100.00%		
40	0	0.00%	100.00%		
41	0	0.00%	100.00%		
42	0	0.00%	100.00%		
43	0	0.00%	100.00%		
44	0	0.00%	100.00%		
45	0	0.00%	100.00%		
46	0	0.00%	100.00%		
47	0	0.00%	100.00%		
48	0	0.00%	100.00%		
49	0	0.00%	100.00%		
50	0	0.00%	100.00%		
51	0	0.00%	100.00%		
52	0	0.00%	100.00%		
53	0	0.00%	100.00%		
54	0	0.00%	100.00%		
Totals:	50	100.00%			

Cumulative Frequency Distribution

Frequency Distribution

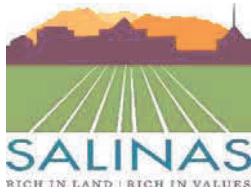


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	West Acacia Street			Direction: <u>EBD</u>	Comments: <u>No. 77</u>
Between:	<u>Iverson Street and West Alisal Street</u>				
Survey Location:	<u>Between San Vincente Avenue and Sierra Madre Dr</u>				
Speed Limit:	<u>25 MPH</u>				
Date:	<u>03/02/22</u>		Day:	<u>Wednesday</u>	
Hours:	From: <u>03:30</u>	To: <u>04:00</u>			
Weather:	<u>Sunny</u>				
Observer(s):	<u>Emileo</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
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	0	0.00%	2.00%		
19	1	2.00%	4.00%		
20	3	6.00%	10.00%		
21	5	10.00%	20.00%		
22	4	8.00%	28.00%		
23	4	8.00%	36.00%		
24	4	8.00%	44.00%		
25	7	14.00%	58.00%		
26	5	10.00%	68.00%		
27	9	18.00%	86.00%		
28	4	8.00%	94.00%		
29	2	4.00%	98.00%		
30	0	0.00%	98.00%		
31	0	0.00%	98.00%		
32	0	0.00%	98.00%		
33	1	2.00%	100.00%		
34	0	0.00%	100.00%		
35	0	0.00%	100.00%		
36	0	0.00%	100.00%		
37	0	0.00%	100.00%		
38	0	0.00%	100.00%		
39	0	0.00%	100.00%		
40	0	0.00%	100.00%		
41	0	0.00%	100.00%		
42	0	0.00%	100.00%		
43	0	0.00%	100.00%		
44	0	0.00%	100.00%		
45	0	0.00%	100.00%		
46	0	0.00%	100.00%		
47	0	0.00%	100.00%		
48	0	0.00%	100.00%		
49	0	0.00%	100.00%		
50	0	0.00%	100.00%		
51	0	0.00%	100.00%		
52	0	0.00%	100.00%		
53	0	0.00%	100.00%		
54	0	0.00%	100.00%		
Totals:	50	100.00%			

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	West Acacia Street			Direction: <u>WBD/EBD</u>	Comments: <u>No. 77</u>
Between:	<u>Iverson Street and West Alisal Street</u>				
Survey Location:	<u>Between San Vincente Avenue and Sierra Madre Dr</u>				
Speed Limit:	<u>25 MPH</u>				
Date:	<u>03/02/22</u>		Day:	<u>Wednesday</u>	
Hours:	From: <u>03:30</u>		To:	<u>04:00</u>	
Weather:	<u>Sunny</u>				
Observer(s):	<u>Emileo</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	<u>0</u>	0.00%	0.00%		
11	<u>0</u>	0.00%	0.00%		
12	<u>0</u>	0.00%	0.00%		
13	<u>0</u>	0.00%	0.00%		
14	<u>0</u>	0.00%	0.00%		
15	<u>0</u>	0.00%	0.00%		
16	<u>0</u>	0.00%	0.00%		
17	<u>1</u>	1.00%	1.00%		
18	<u>0</u>	0.00%	1.00%		
19	<u>2</u>	2.00%	3.00%		
20	<u>3</u>	3.00%	6.00%		
21	<u>6</u>	6.00%	12.00%		
22	<u>7</u>	7.00%	19.00%		
23	<u>5</u>	5.00%	24.00%		
24	<u>8</u>	8.00%	32.00%		
25	<u>13</u>	13.00%	45.00%		
26	<u>14</u>	14.00%	59.00%		
27	<u>15</u>	15.00%	74.00%		
28	<u>9</u>	9.00%	83.00%		
29	<u>7</u>	7.00%	90.00%		
30	<u>4</u>	4.00%	94.00%		
31	<u>1</u>	1.00%	95.00%		
32	<u>1</u>	1.00%	96.00%		
33	<u>4</u>	4.00%	100.00%		
34	<u>0</u>	0.00%	100.00%		
35	<u>0</u>	0.00%	100.00%		
36	<u>0</u>	0.00%	100.00%		
37	<u>0</u>	0.00%	100.00%		
38	<u>0</u>	0.00%	100.00%		
39	<u>0</u>	0.00%	100.00%		
40	<u>0</u>	0.00%	100.00%		
41	<u>0</u>	0.00%	100.00%		
42	<u>0</u>	0.00%	100.00%		
43	<u>0</u>	0.00%	100.00%		
44	<u>0</u>	0.00%	100.00%		
45	<u>0</u>	0.00%	100.00%		
46	<u>0</u>	0.00%	100.00%		
47	<u>0</u>	0.00%	100.00%		
48	<u>0</u>	0.00%	100.00%		
49	<u>0</u>	0.00%	100.00%		
50	<u>0</u>	0.00%	100.00%		
51	<u>0</u>	0.00%	100.00%		
52	<u>0</u>	0.00%	100.00%		
53	<u>0</u>	0.00%	100.00%		
54	<u>0</u>	0.00%	100.00%		
Totals:	100	100.00%			

Cumulative Frequency Distribution

Frequency Distribution

Between
San Vincente &
Sierra Madre

① SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE
77

LOCATION

West Aracia St btwn Iverson St + West Alisal St

DATE 3/02/22 DAY Wednesday

TIME 3:30 TO 4:00

OBSERVER Emi

CALCULATED BY Zach

WEATHER Sunny

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

||||| ||||| ||||| |||||

Direction: Away 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				
33	X			
32				
31				
30				
29	X X			
28	X X X X			
27	X X X X X X X X X			
26	X X X X X X X X			
25	X X X X 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			
18				
17	X			
16				
15				
14				
13				
12				
11				
10				

||||| ||||| ||||| |||||

Number: 1 Author: jonathanh Subject: Text Box Date: 9/26/2022 2:30:50 PM

Number: 2 Author: jonathanh Subject: Text Box Date: 9/26/2022 2:30:56 PM

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

STREET: **EAST ALISAL STREET**
BETWEEN: **JOHN ST/WILLIAMS RD & BARDIN RD**
SURVEY DATE: **03/04/2022 (EXPIRES IN 2027)**

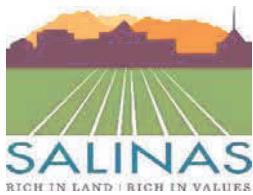
78



COMMENTS:

This segment of East Alisal Street is classified as a major arterial in the City of Salinas General Plan. The surrounding land use includes fronting residential homes, parks, a community college, and a university. Speed data collected March 4, 2022 revealed the 85th percentile speed of 41 mph. The 10 mph pace ranges from 28 mph to 37 mph and suggests the 85th percentile is above this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded 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 5,350 Feet		
Vertical Alignment	Flat		
Street Width	70 Feet		
No. Lanes and Median	2-Lane Major Arterial		
Proposed Speed Zone	35 MPH		
85th Percentile Speed	41 MPH		
Traffic Volume (Date)	7,176 (2019)		
Accident Data (2 years)	11 Collisions (2019-2020)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	2.08 Acc./MVM		

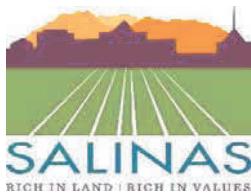


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	East Alisal Street			Direction: <u>EBD</u>	Comments: No. 78
Between:	Williams Road and Bardin Road				
Survey Location:	Between East Market Street and Tampa Street				
Speed Limit:	35 MPH				
Date:	03/04/22		Day:	Friday	
Hours:	From: 10:45		To:	11:28	
Weather:	Overcast				
Observer(s):	Emelio and Zach				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
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	1	2.00%	4.00%		
24	1	2.00%	6.00%		
25	0	0.00%	6.00%		
26	2	4.00%	10.00%		
27	1	2.00%	12.00%		
28	6	12.00%	24.00%		
29	0	0.00%	24.00%		
30	4	8.00%	32.00%		
31	2	4.00%	36.00%		
32	1	2.00%	38.00%		
33	3	6.00%	44.00%		
34	1	2.00%	46.00%		
35	5	10.00%	56.00%		
36	3	6.00%	62.00%		
37	3	6.00%	68.00%		
38	1	2.00%	70.00%		
39	1	2.00%	72.00%		
40	5	10.00%	82.00%		
41	3	6.00%	88.00%		
42	3	6.00%	94.00%		
43	1	2.00%	96.00%		
44	0	0.00%	96.00%		
45	0	0.00%	96.00%		
46	2	4.00%	100.00%		
47	0	0.00%	100.00%		
48	0	0.00%	100.00%		
49	0	0.00%	100.00%		
50	0	0.00%	100.00%		
51	0	0.00%	100.00%		
52	0	0.00%	100.00%		
53	0	0.00%	100.00%		
54	0	0.00%	100.00%		
Totals:	50	100.00%			

Cumulative Frequency Distribution

Frequency Distribution

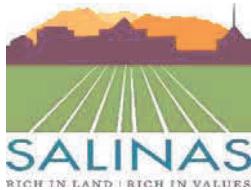


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	East Alisal Street			Direction: <u>WBD</u>	Comments: No. 78
Between:	Williams Road and Bardin Road				
Survey Location:	Between East Market Street and Tampa Street				
Speed Limit:	35 MPH				
Date:	03/04/22		Day:	Friday	
Hours:	From: 10:45		To:	11:28	
Weather:	Overcast				
Observer(s):	Emilio and Zach				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
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	0	0.00%	2.00%		
19	0	0.00%	2.00%		
20	1	2.00%	4.00%		
21	1	2.00%	6.00%		
22	0	0.00%	6.00%		
23	0	0.00%	6.00%		
24	1	2.00%	8.00%		
25	1	2.00%	10.00%		
26	0	0.00%	10.00%		
27	3	6.00%	16.00%		
28	2	4.00%	20.00%		
29	3	6.00%	26.00%		
30	3	6.00%	32.00%		
31	1	2.00%	34.00%		
32	2	4.00%	38.00%		
33	2	4.00%	42.00%		
34	1	2.00%	44.00%		
35	5	10.00%	54.00%		
36	2	4.00%	58.00%		
37	3	6.00%	64.00%		
38	4	8.00%	72.00%		
39	3	6.00%	78.00%		
40	3	6.00%	84.00%		
41	1	2.00%	86.00%		
42	0	0.00%	86.00%		
43	0	0.00%	86.00%		
44	1	2.00%	88.00%		
45	1	2.00%	90.00%		
46	2	4.00%	94.00%		
47	0	0.00%	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%			

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	East Alisal Street			Direction: <u>EBD/WBD</u>	Comments: No. 78
Between:	Williams Road and Bardin Road				
Survey Location:	Between East Market Street and Tampa Street				
Speed Limit:	35 MPH				
Date:	03/04/22		Day:	Friday	
Hours:	From: 10:45		To:	11:28	
Weather:	Overcast				
Observer(s):	Emilio and Zach				
Data Analysis:					
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	0	0.00%	1.00%		
19	0	0.00%	1.00%		
20	1	1.00%	2.00%		
21	1	1.00%	3.00%		
22	1	1.00%	4.00%		
23	1	1.00%	5.00%		
24	2	2.00%	7.00%		
25	1	1.00%	8.00%		
26	2	2.00%	10.00%		
27	4	4.00%	14.00%		
28	8	8.00%	22.00%		
29	3	3.00%	25.00%		
30	7	7.00%	32.00%		
31	3	3.00%	35.00%		
32	3	3.00%	38.00%		
33	5	5.00%	43.00%		
34	2	2.00%	45.00%		
35	10	10.00%	55.00%		
36	5	5.00%	60.00%		
37	6	6.00%	66.00%		
38	5	5.00%	71.00%		
39	4	4.00%	75.00%		
40	8	8.00%	83.00%		
41	4	4.00%	87.00%		
42	3	3.00%	90.00%		
43	1	1.00%	91.00%		
44	1	1.00%	92.00%		
45	1	1.00%	93.00%		
46	4	4.00%	97.00%		
47	0	0.00%	97.00%		
48	2	2.00%	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%			

Cumulative Frequency Distribution

Frequency Distribution

Between
E. Market & Tampa

2

SPEED SURVEY FIELD SHEET
CITY OF SALINAS

SITE CODE
78

LOCATION East Alisal St btwn Williams Rd + Bardin Rd
DATE 3/4/22 DAY Friday TIME 10:45 TO 11:28
OBSERVER Emi CALCULATED BY Zach WEATHER overcast

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	X			
53				
52				
51				
50				
49				
48				
47				
46	X X			
45				
44				
43	X			
42	X X X			
41	X X X			
40	X X X X X			
39	X			
38	X			
37	X X X			
36	X X X			
35	X X X X X			
34	X			
33	X X X			
32	X			
31	X X			
30	X X X X			
29				
28	X X X X X X			
27	X			
26	X X			
25				
24	X			
23	X			
22	X			
21				
20				
19				
18				
17				
16				
15				
14				
13				
12				
11				
10				

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	X X			
49				
48	X X			
47				
46	X X			
45	X			
44	X			
43	X			
42				
41	X			
40	X X X			
39	X X X			
38	X X X X			
37	X X X X			
36	X X			
35	X X X X X			
34	X			
33	X X			
32	X X			
31	X			
30	X X X X			
29	X X X			
28	X X			
27	X X X			
26				
25	X			
24	X			
23				
22				
21	X			
20	X			
19				
18				
17	X			
16				
15				
14				
13				
12				
11				
10				

7 11 11 11 11 11
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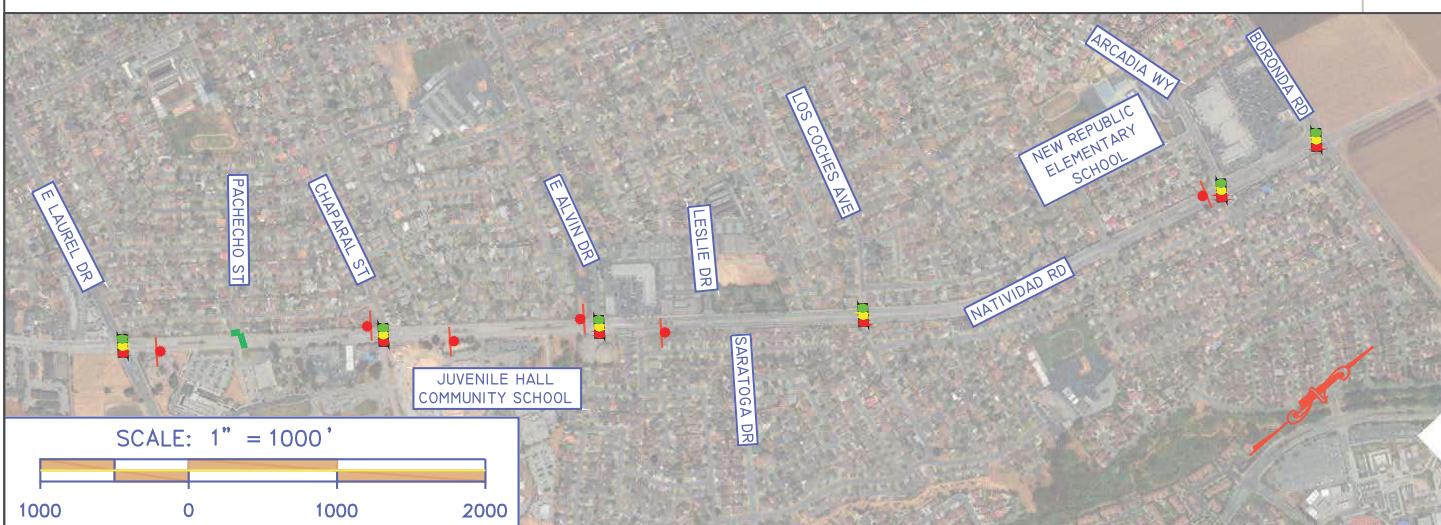
Number: 1 Author: jonathanh Subject: Text Box Date: 9/26/2022 2:31:45 PM

Number: 2 Author: jonathanh Subject: Text Box Date: 9/26/2022 2:31:39 PM

CITY OF SALINAS TRANSPORTATION & ENGINEERING TRAFFIC SURVEY

**STREET: NATIVIDAD ROAD
BETWEEN: E LAUREL DR & BORONDA RD
SURVEY DATE: 07/18/2022 (EXPIRES IN 2027)**

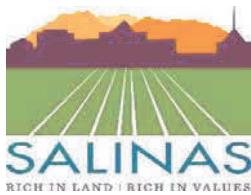
85



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 residential homes and retail areas. Speed data collected July 18, 2022 revealed the 85th percentile speed of 43 mph. The 10 mph pace ranges from 28 mph to 37 mph and suggests 85th percentile is above this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded up and reduced by 5 mph per MUTCD option 2, the existing posted speed limit of 40 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL
Distance	Approximately 8,400 Feet	 ALL WAY STOP
Vertical Alignment	Flat	 SIGNAL
Street Width	90 Feet	 SPEED SIGN
No. Lanes and Median	6-Lane Major Arterial	 CITY LIMITS
Proposed Speed Zone	40 MPH	 CROSSWALK
85 th Percentile Speed	43 MPH	 SCHOOL CROSSWALK
Traffic Volume (Date)	21,820 (2019)	
Accident Data (2 years)	17 Collisions (2019-2020)	
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	0.67 Acc./MVM	



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Natividad Road		Direction: <u>SBD</u>	Comments: No. 85
Between:	<u>East Laurel Drive and Boronda Road</u>			
Survey Location:	<u>Between Leslie Drive and Milbrae Street</u>			
Speed Limit:	<u>40 MPH</u>			
Date:	<u>07/18/22</u>		Day: <u>Monday</u>	
Hours: From:	<u>11:54</u>		To: <u>12:29</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Chris B. & Chris J.</u>			
MPH	Frequency	Percent	Cumulative %	Data Analysis:
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	0	0.00%	0.00%	
19	0	0.00%	0.00%	
20	0	0.00%	0.00%	
21	0	0.00%	0.00%	
22	0	0.00%	0.00%	
23	0	0.00%	0.00%	
24	0	0.00%	0.00%	
25	0	0.00%	0.00%	
26	0	0.00%	0.00%	
27	0	0.00%	0.00%	
28	0	0.00%	0.00%	
29	0	0.00%	0.00%	
30	0	0.00%	0.00%	
31	0	0.00%	0.00%	
32	2	4.00%	4.00%	
33	4	8.00%	12.00%	
34	3	6.00%	18.00%	
35	1	2.00%	20.00%	
36	1	2.00%	22.00%	
37	5	10.00%	32.00%	
38	4	8.00%	40.00%	
39	10	20.00%	60.00%	
40	0	0.00%	60.00%	
41	3	6.00%	66.00%	
42	5	10.00%	76.00%	
43	5	10.00%	86.00%	
44	6	12.00%	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	1	2.00%	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%		

Time Mean Speed: 40.1 MPH

Sample Variance: 14.96

Standard Deviation: 3.9

Variance of the Mean: 0.2992

Standard Error of the Mean: 0.5

10 MPH Pace: 36 MPH To: 45 MPH

Percent in Pace: 80.0%

Vehicles in Pace: 40

50th Percentile Speed: 40 MPH

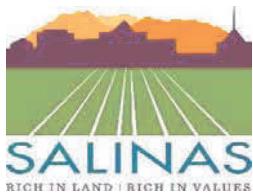
85th Percentile Speed: 44 MPH

90th Percentile Speed: 45 MPH

95th Percentile Speed: 45 MPH

Cumulative Frequency Distribution

Frequency Distribution

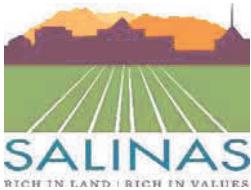


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Natividad Road			Direction: <u>NBD</u>	Comments: No. 85
Between:	East Laurel Drive and Boronda Road				
Survey Location:	Between Leslie Drive and Milbrae Street				
Speed Limit:	40 MPH				
Date:	07/18/22			Day: <u>Monday</u>	
Hours:	From: <u>11:54</u>		To: <u>12:29</u>		
Weather:	Sunny				
Observer(s):	Chris B. & Chris J.				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
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	0	0.00%	2.00%		
24	1	2.00%	4.00%		
25	4	8.00%	12.00%		
26	1	2.00%	14.00%		
27	0	0.00%	14.00%		
28	12	24.00%	38.00%		
29	1	2.00%	40.00%		
30	8	16.00%	56.00%		
31	3	6.00%	62.00%		
32	6	12.00%	74.00%		
33	6	12.00%	86.00%		
34	2	4.00%	90.00%		
35	0	0.00%	90.00%		
36	2	4.00%	94.00%		
37	0	0.00%	94.00%		
38	1	2.00%	96.00%		
39	0	0.00%	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	1	2.00%	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%			

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Natividad Road			Direction:	SBD/NBD		Comments: No. 85	
Between:	East Laurel Drive and Boronda Road			Day:	Monday			
Survey Location:	Between Leslie Drive and Milbrae Street			Hours:	From:	11:54	To:	12:29
Speed Limit:	40 MPH			Weather:	Sunny			
Date:	07/18/22			Observer(s):	Chris B. & Chris J.			
Data Analysis:								
MPH	Frequency	Percent	Cumulative %	Time Mean Speed: 35.4 MPH Sample Variance: 41.29 Standard Deviation: 6.4 Variance of the Mean: 0.4129 Standard Error of the Mean: 0.6 10 MPH Pace: 28 To: 37 MPH Percent in Pace: 51.0% Vehicles in Pace: 51 50th Percentile Speed: 34 MPH 85th Percentile Speed: 43 MPH 90th Percentile Speed: 44 MPH 95th Percentile Speed: 45 MPH				
Cumulative Frequency Distribution								
Frequency Distribution								
Totals:	100	100.00%						

1

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE
85

2

LOCATION

Natividad Rd btwn East Laurel Dr + Beronda Rd

DATE

7-18-22 DAY

Monday

TIME 11:54 TO 12:29

OBSERVER

Chris B

CALCULATED BY

Chris J.

WEATHER

Sunny

Direction: <u>W</u> <u>W</u> <u>W</u> <u>W</u> 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				
53				
52				
51				
50				
49	X			
48				
47				
46				
45	X	X	X	X
44				
43				
42	X			
41				
40	X	X	X	X
39				
38	X			
37				
36	X			
35	X	X	X	X
34	X			
33	X	X	X	X
32				
31				
30				
29				
28				
27				
26				
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24				
23				
22				
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19				
18				
17				
16				
15				
14				
13				
12				
11				
10				

Direction: <u>W</u> <u>W</u> <u>W</u> <u>W</u> 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				
54				
53				
52				
51				
50	X			
49				
48				
47				
46				
45	X			
44				
43				
42				
41				
40				
39				
38	X			
37				
36	X			
35				
34				
33	X			
32				
31				
30	X	X	X	X
29				
28	X	X	X	X
27				
26	X			
25	X	X	X	X
24	X			
23				
22	X			
21				
20				
19				
18				
17				
16				
15				
14				
13				
12				
11				
10				

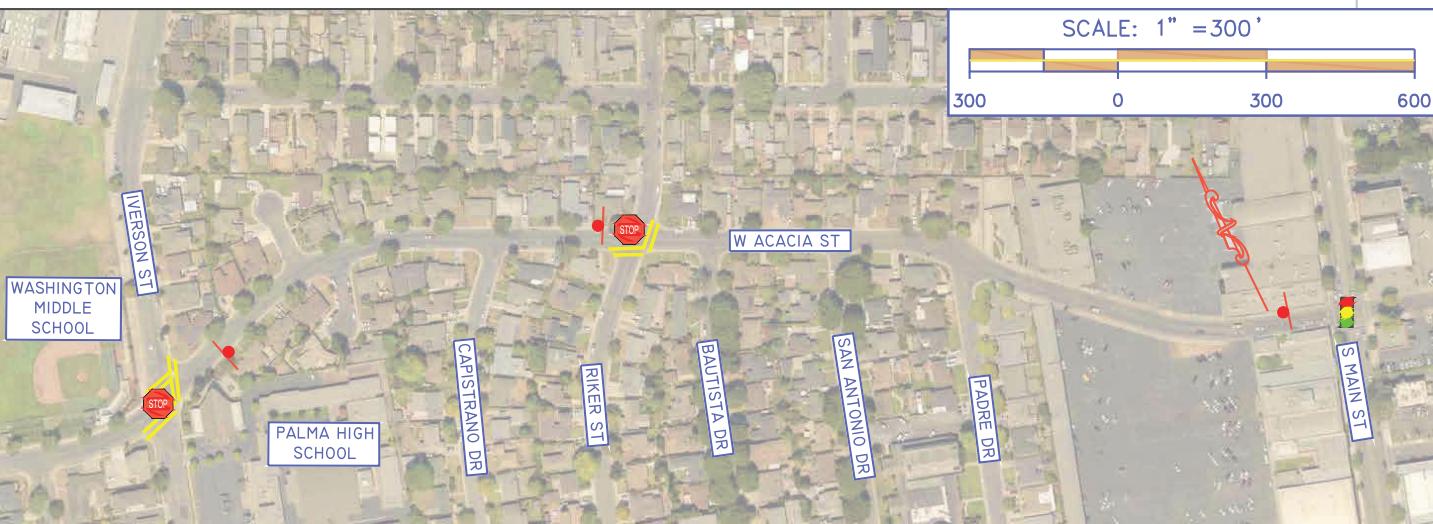
Number: 1 Author: jonathanh Subject: Text Box Date: 9/26/2022 2:32:10 PM

Number: 2 Author: jonathanh Subject: Text Box Date: 9/26/2022 2:32:15 PM

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

STREET: **WEST ACACIA STREET**
BETWEEN: **IVERSON ST & S MAIN ST**
SURVEY DATE: **02/24/2022 (EXPIRES IN 2027)**

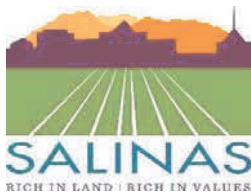
89



COMMENTS:

This segment of West Acacia Street is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes fronting residential homes, commercial, and school areas. Speed data collected February 23, 2022 revealed the 85th percentile speed of 31 mph. The 10 mph pace ranges from 23 mph to 32 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded down and reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 25 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 2,600 Feet		
Vertical Alignment	Flat		
Street Width	40 Feet		
No. Lanes and Median	2-Lane Minor Arterial		
Proposed Speed Zone	25 MPH		
85th Percentile Speed	31 MPH		
Traffic Volume (Date)	6,395 (2018)		
Accident Data (2 years)	0 Collisions (2019-2020)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	0.00 Acc./MVM	ALL WAY STOP SIGNAL SPEED SIGN CITY LIMITS CROSSWALK SCHOOL CROSSWALK	



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	West Acacia Street			Direction: <u>WBD</u>	Comments: <u>No. 89</u>
Between:	<u>Iverson Street and South Main Street</u>				
Survey Location:	<u>Between Bautista Drive and San Antonio Drive</u>				
Speed Limit:	<u>25 MPH</u>				
Date:	<u>02/23/22</u>		Day:	<u>Wednesday</u>	
Hours:	From:	<u>03:20</u>	To:	<u>03:45</u>	
Weather:	<u>Sunny</u>				
Observer(s):	<u>Emilieo and Zach</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%		
11	0	0.00%	0.00%		
12	0	0.00%	0.00%		
13	0	0.00%	0.00%		
14	0	0.00%	0.00%		
15	0	0.00%	0.00%		
16	0	0.00%	0.00%		
17	0	0.00%	0.00%		
18	1	2.00%	2.00%		
19	0	0.00%	2.00%		
20	0	0.00%	2.00%		
21	0	0.00%	2.00%		
22	3	6.00%	8.00%		
23	2	4.00%	12.00%		
24	4	8.00%	20.00%		
25	7	14.00%	34.00%		
26	5	10.00%	44.00%		
27	5	10.00%	54.00%		
28	1	2.00%	56.00%		
29	6	12.00%	68.00%		
30	8	16.00%	84.00%		
31	3	6.00%	90.00%		
32	2	4.00%	94.00%		
33	0	0.00%	94.00%		
34	0	0.00%	94.00%		
35	2	4.00%	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%		
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%			

Time Mean Speed: 27.4 MPH

Sample Variance: 13.68

Standard Deviation: 3.7

Variance of the Mean: 0.2736

Standard Error of the Mean: 0.5

10 MPH Pace: 22 To: 31 MPH

Percent in Pace: 88.0%

Vehicles in Pace: 44

50th Percentile Speed: 27 MPH

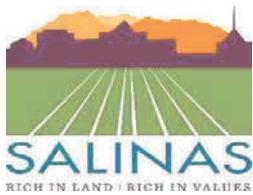
85th Percentile Speed: 31 MPH

90th Percentile Speed: 31 MPH

95th Percentile Speed: 35 MPH

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	West Acacia Street			Direction: <u>EBD</u>	Comments: <u>No. 89</u>
Between:	<u>Iverson Street and South Main Street</u>				
Survey Location:	<u>Between Bautista Drive and San Antonio Drive</u>				
Speed Limit:	<u>25 MPH</u>				
Date:	<u>02/23/22</u>		Day:	<u>Wednesday</u>	
Hours:	From: <u>03:20</u>	To: <u>03:45</u>			
Weather:	<u>Sunny</u>				
Observer(s):	<u>Emilieo and Zach</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	<u>0</u>	0.00%	0.00%		
11	<u>0</u>	0.00%	0.00%		
12	<u>0</u>	0.00%	0.00%		
13	<u>0</u>	0.00%	0.00%		
14	<u>0</u>	0.00%	0.00%		
15	<u>0</u>	0.00%	0.00%		
16	<u>0</u>	0.00%	0.00%		
17	<u>0</u>	0.00%	0.00%		
18	<u>0</u>	0.00%	0.00%		
19	<u>0</u>	0.00%	0.00%		
20	<u>0</u>	0.00%	0.00%		
21	<u>1</u>	2.00%	2.00%		
22	<u>1</u>	2.00%	4.00%		
23	<u>2</u>	4.00%	8.00%		
24	<u>4</u>	8.00%	16.00%		
25	<u>0</u>	0.00%	16.00%		
26	<u>6</u>	12.00%	28.00%		
27	<u>5</u>	10.00%	38.00%		
28	<u>8</u>	16.00%	54.00%		
29	<u>6</u>	12.00%	66.00%		
30	<u>7</u>	14.00%	80.00%		
31	<u>3</u>	6.00%	86.00%		
32	<u>3</u>	6.00%	92.00%		
33	<u>2</u>	4.00%	96.00%		
34	<u>1</u>	2.00%	98.00%		
35	<u>1</u>	2.00%	100.00%		
36	<u>0</u>	0.00%	100.00%		
37	<u>0</u>	0.00%	100.00%		
38	<u>0</u>	0.00%	100.00%		
39	<u>0</u>	0.00%	100.00%		
40	<u>0</u>	0.00%	100.00%		
41	<u>0</u>	0.00%	100.00%		
42	<u>0</u>	0.00%	100.00%		
43	<u>0</u>	0.00%	100.00%		
44	<u>0</u>	0.00%	100.00%		
45	<u>0</u>	0.00%	100.00%		
46	<u>0</u>	0.00%	100.00%		
47	<u>0</u>	0.00%	100.00%		
48	<u>0</u>	0.00%	100.00%		
49	<u>0</u>	0.00%	100.00%		
50	<u>0</u>	0.00%	100.00%		
51	<u>0</u>	0.00%	100.00%		
52	<u>0</u>	0.00%	100.00%		
53	<u>0</u>	0.00%	100.00%		
54	<u>0</u>	0.00%	100.00%		
Totals:	50	100.00%			

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	West Acacia Street			Direction: <u>WBD/EBD</u>	Comments: <u>No. 89</u>
Between:	<u>Iverson Street and South Main Street</u>				
Survey Location:	<u>Between Bautista Drive and San Antonio Drive</u>				
Speed Limit:	<u>25 MPH</u>				
Date:	<u>02/23/22</u>		Day:	<u>Wednesday</u>	
Hours:	From: <u>03:20</u>		To:	<u>03:45</u>	
Weather:	<u>Sunny</u>				
Observer(s):	<u>Emilieo and Zach</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	<u>0</u>	0.00%	0.00%		
11	<u>0</u>	0.00%	0.00%		
12	<u>0</u>	0.00%	0.00%		
13	<u>0</u>	0.00%	0.00%		
14	<u>0</u>	0.00%	0.00%		
15	<u>0</u>	0.00%	0.00%		
16	<u>0</u>	0.00%	0.00%		
17	<u>0</u>	0.00%	0.00%		
18	<u>1</u>	1.00%	1.00%		
19	<u>0</u>	0.00%	1.00%		
20	<u>0</u>	0.00%	1.00%		
21	<u>1</u>	1.00%	2.00%		
22	<u>4</u>	4.00%	6.00%		
23	<u>4</u>	4.00%	10.00%		
24	<u>8</u>	8.00%	18.00%		
25	<u>7</u>	7.00%	25.00%		
26	<u>11</u>	11.00%	36.00%		
27	<u>10</u>	10.00%	46.00%		
28	<u>9</u>	9.00%	55.00%		
29	<u>12</u>	12.00%	67.00%		
30	<u>15</u>	15.00%	82.00%		
31	<u>6</u>	6.00%	88.00%		
32	<u>5</u>	5.00%	93.00%		
33	<u>2</u>	2.00%	95.00%		
34	<u>1</u>	1.00%	96.00%		
35	<u>3</u>	3.00%	99.00%		
36	<u>0</u>	0.00%	99.00%		
37	<u>1</u>	1.00%	100.00%		
38	<u>0</u>	0.00%	100.00%		
39	<u>0</u>	0.00%	100.00%		
40	<u>0</u>	0.00%	100.00%		
41	<u>0</u>	0.00%	100.00%		
42	<u>0</u>	0.00%	100.00%		
43	<u>0</u>	0.00%	100.00%		
44	<u>0</u>	0.00%	100.00%		
45	<u>0</u>	0.00%	100.00%		
46	<u>0</u>	0.00%	100.00%		
47	<u>0</u>	0.00%	100.00%		
48	<u>0</u>	0.00%	100.00%		
49	<u>0</u>	0.00%	100.00%		
50	<u>0</u>	0.00%	100.00%		
51	<u>0</u>	0.00%	100.00%		
52	<u>0</u>	0.00%	100.00%		
53	<u>0</u>	0.00%	100.00%		
54	<u>0</u>	0.00%	100.00%		
Totals:	100	100.00%			

Cumulative Frequency Distribution

Frequency Distribution

1 SPEED SURVEY FIELD SHEET
CITY OF SALINAS

SITE CODE
89

LOCATION West Acacia St. b/wn Iversen St + South Main St

DATE 02/23/2020 DAY wednesday

TIME 3:20 TO 3:45

OBSERVER Emi

CALCULATED BY zach stricker

WEATHER Sunny

Direction: <u>oncoming west</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				
42				
41				
40				
39				
38				
37	X			
36				
35	XX			
34				
33				
32	XX			
31	XX	XX		
30	XX	XX	XX	XX
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	
22	X	X		
21	X			
20				
19				
18	X			
17				
16				
15				
14				
13				
12				
11				
10				

Direction: <u>Away East</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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47				
46				
45				
44				
43				
42				
41				
40				
39				
38				
37				
36				
35	X			
34	XX			
33	XX	XX		
32	XX	XX	XX	
31	XX	XX	XX	
30	XX	XX	XX	XX
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		
22	X			
21	X			
20				
19				
18				
17				
16				
15				
14				
13				
12				
11				
10				

11 11 11 11 11 11 11

11 11 11 11 11 11 11

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

STREET: **ARCADIA WAY**
BETWEEN: **NATIVIDAD RD & EL DORADO DR**
SURVEY DATE: **05/03/2022 (EXPIRES IN 2027)**

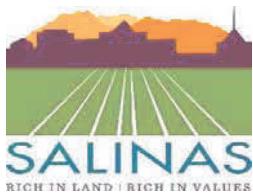
90



COMMENTS:

This segment of Arcadia Way is classified as a residential street in the City of Salinas General Plan. The surrounding land use includes fronting residential homes, commercial areas, and a school. Speed data collected May 3, 2022 revealed the 85th percentile speed of 30 mph. The 10 mph pace ranges from 22 mph to 31 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 25 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 2,900 Feet		
Vertical Alignment	Flat		
Street Width	40 Feet		
No. Lanes and Median	2-Lane Residential		
Proposed Speed Zone	25 MPH		
85th Percentile Speed	30 MPH		
Traffic Volume (Date)	4,292 (2022)		
Accident Data (2 years)	5 Collisions (2019-2020)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	2.90 Acc./MVM	<ul style="list-style-type: none"> STOP SIGNAL SPEED SIGN CITY LIMITS CROSSWALK SCHOOL CROSSWALK 	

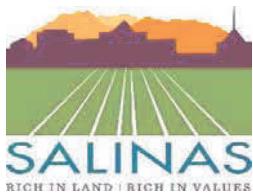


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Arcadia Way			Direction: <u>WBD</u>	Comments: <u>No. 90</u>
Between:	<u>Natividad Road and El Dorado Drive</u>				
Survey Location:	<u>Between Klamath Drive and Kent Street</u>				
Speed Limit:	<u>25 MPH</u>				
Date:	<u>05/03/22</u>		Day:	<u>Tuesday</u>	
Hours:	From:	<u>12:35</u>	To:	<u>01:30</u>	
Weather:	<u>Sunny</u>				
Observer(s):	<u>Emileo and Eva</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%	Time Mean Speed: <u>25.9</u> MPH	
11	0	0.00%	0.00%	Sample Variance: <u>20.39</u>	
12	0	0.00%	0.00%	Standard Deviation: <u>4.5</u>	
13	0	0.00%	0.00%	Variance of the Mean: <u>0.4078</u>	
14	0	0.00%	0.00%	Standard Error of the Mean: <u>0.6</u>	
15	0	0.00%	0.00%	10 MPH Pace: <u>21</u> To: <u>30</u> MPH	
16	1	2.00%	2.00%	Percent in Pace: <u>74.0%</u>	
17	1	2.00%	4.00%	Vehicles in Pace: <u>37</u>	
18	1	2.00%	6.00%	50th Percentile Speed: <u>25</u> MPH	
19	1	2.00%	8.00%	85th Percentile Speed: <u>30</u> MPH	
20	2	4.00%	12.00%	90th Percentile Speed: <u>31</u> MPH	
21	3	6.00%	18.00%	95th Percentile Speed: <u>34</u> MPH	
22	3	6.00%	24.00%		
23	3	6.00%	30.00%		
24	3	6.00%	36.00%		
25	7	14.00%	50.00%		
26	2	4.00%	54.00%		
27	2	4.00%	58.00%		
28	6	12.00%	70.00%		
29	4	8.00%	78.00%		
30	4	8.00%	86.00%		
31	3	6.00%	92.00%		
32	1	2.00%	94.00%		
33	0	0.00%	94.00%		
34	2	4.00%	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%			

Cumulative Frequency Distribution

Frequency Distribution

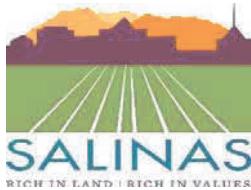


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Arcadia Way			Direction: <u>EBD</u>	Comments: <u>No. 90</u>
Between:	<u>Natividad Road and El Dorado Drive</u>				
Survey Location:	<u>Between Klamath Drive and Kent Street</u>				
Speed Limit:	<u>25 MPH</u>				
Date:	<u>05/03/22</u>		Day:	<u>Tuesday</u>	
Hours:	From:	<u>12:35</u>	To:	<u>01:30</u>	
Weather:	<u>Sunny</u>				
Observer(s):	<u>Emileo and Eva</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%	Time Mean Speed: <u>25.6</u> MPH	
11	0	0.00%	0.00%	Sample Variance: <u>18.57</u>	
12	0	0.00%	0.00%	Standard Deviation: <u>4.3</u>	
13	0	0.00%	0.00%	Variance of the Mean: <u>0.3714</u>	
14	0	0.00%	0.00%	Standard Error of the Mean: <u>0.6</u>	
15	1	2.00%	2.00%	10 MPH Pace: <u>22</u> MPH	
16	0	0.00%	2.00%	Percent in Pace: <u>74.0%</u>	
17	1	2.00%	4.00%	Vehicles in Pace: <u>37</u>	
18	2	4.00%	8.00%	50th Percentile Speed: <u>26</u> MPH	
19	2	4.00%	12.00%	85th Percentile Speed: <u>30</u> MPH	
20	2	4.00%	16.00%	90th Percentile Speed: <u>31</u> MPH	
21	2	4.00%	20.00%	95th Percentile Speed: <u>32</u> MPH	
22	3	6.00%	26.00%		
23	1	2.00%	28.00%		
24	2	4.00%	32.00%		
25	1	2.00%	34.00%		
26	10	20.00%	54.00%		
27	4	8.00%	62.00%		
28	6	12.00%	74.00%		
29	5	10.00%	84.00%		
30	2	4.00%	88.00%		
31	3	6.00%	94.00%		
32	2	4.00%	98.00%		
33	1	2.00%	100.00%		
34	0	0.00%	100.00%		
35	0	0.00%	100.00%		
36	0	0.00%	100.00%		
37	0	0.00%	100.00%		
38	0	0.00%	100.00%		
39	0	0.00%	100.00%		
40	0	0.00%	100.00%		
41	0	0.00%	100.00%		
42	0	0.00%	100.00%		
43	0	0.00%	100.00%		
44	0	0.00%	100.00%		
45	0	0.00%	100.00%		
46	0	0.00%	100.00%		
47	0	0.00%	100.00%		
48	0	0.00%	100.00%		
49	0	0.00%	100.00%		
50	0	0.00%	100.00%		
51	0	0.00%	100.00%		
52	0	0.00%	100.00%		
53	0	0.00%	100.00%		
54	0	0.00%	100.00%		
Totals:	50	100.00%			

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Arcadia Way			Direction: <u>WBD/EBD</u>	Comments: <u>No. 90</u>
Between:	<u>Natividad Road and El Dorado Drive</u>				
Survey Location:	<u>Between Klamath Drive and Kent Street</u>				
Speed Limit:	<u>25 MPH</u>				
Date:	<u>05/03/22</u>		Day:	<u>Tuesday</u>	
Hours:	From:	<u>12:35</u>	To:	<u>01:30</u>	
Weather:	<u>Sunny</u>				
Observer(s):	<u>Emileo and Eva</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	<u>0</u>	0.00%	0.00%		
11	<u>0</u>	0.00%	0.00%		
12	<u>0</u>	0.00%	0.00%		
13	<u>0</u>	0.00%	0.00%		
14	<u>0</u>	0.00%	0.00%		
15	<u>1</u>	1.00%	1.00%		
16	<u>1</u>	1.00%	2.00%		
17	<u>2</u>	2.00%	4.00%		
18	<u>3</u>	3.00%	7.00%		
19	<u>3</u>	3.00%	10.00%		
20	<u>4</u>	4.00%	14.00%		
21	<u>5</u>	5.00%	19.00%		
22	<u>6</u>	6.00%	25.00%		
23	<u>4</u>	4.00%	29.00%		
24	<u>5</u>	5.00%	34.00%		
25	<u>8</u>	8.00%	42.00%		
26	<u>12</u>	12.00%	54.00%		
27	<u>6</u>	6.00%	60.00%		
28	<u>12</u>	12.00%	72.00%		
29	<u>9</u>	9.00%	81.00%		
30	<u>6</u>	6.00%	87.00%		
31	<u>6</u>	6.00%	93.00%		
32	<u>3</u>	3.00%	96.00%		
33	<u>1</u>	1.00%	97.00%		
34	<u>2</u>	2.00%	99.00%		
35	<u>0</u>	0.00%	99.00%		
36	<u>1</u>	1.00%	100.00%		
37	<u>0</u>	0.00%	100.00%		
38	<u>0</u>	0.00%	100.00%		
39	<u>0</u>	0.00%	100.00%		
40	<u>0</u>	0.00%	100.00%		
41	<u>0</u>	0.00%	100.00%		
42	<u>0</u>	0.00%	100.00%		
43	<u>0</u>	0.00%	100.00%		
44	<u>0</u>	0.00%	100.00%		
45	<u>0</u>	0.00%	100.00%		
46	<u>0</u>	0.00%	100.00%		
47	<u>0</u>	0.00%	100.00%		
48	<u>0</u>	0.00%	100.00%		
49	<u>0</u>	0.00%	100.00%		
50	<u>0</u>	0.00%	100.00%		
51	<u>0</u>	0.00%	100.00%		
52	<u>0</u>	0.00%	100.00%		
53	<u>0</u>	0.00%	100.00%		
54	<u>0</u>	0.00%	100.00%		
Totals:	100	100.00%			

Cumulative Frequency Distribution

Frequency Distribution

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE

90

LOCATION Arcadia Way btwn Notaridad Rd + El Dorado DrDATE 05/03/2022 DAY TuesdayTIME 12:35 TO 1:30OBSERVER EmiliaCALCULATED BY EvaWEATHER Sunny

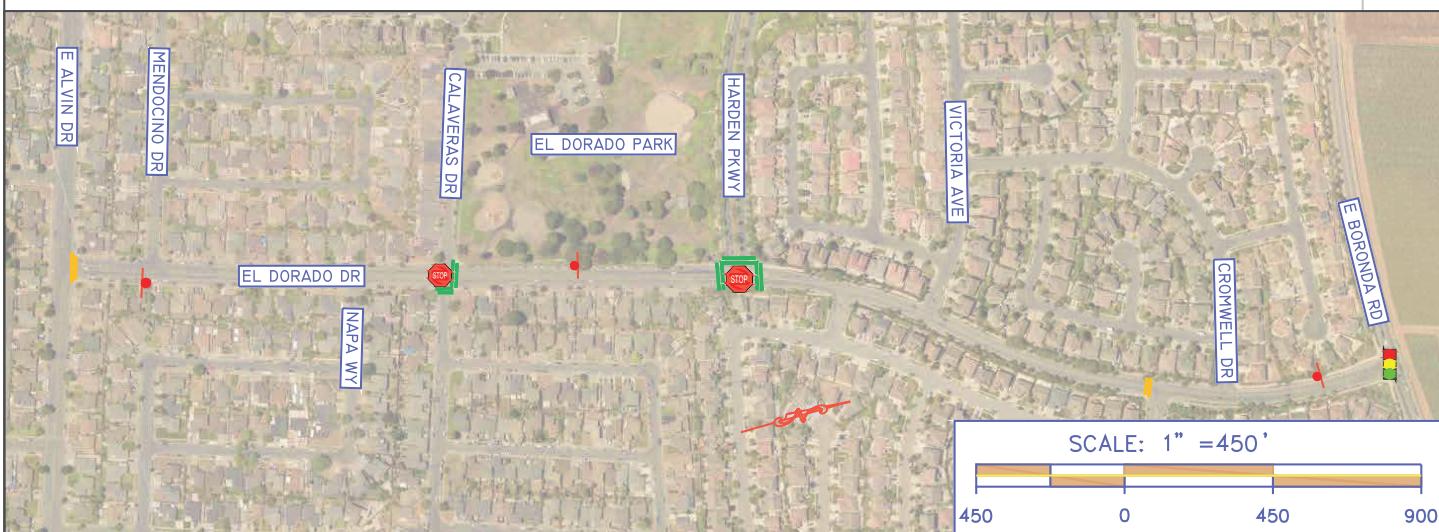
Direction: <u>away West</u>	Number of Vehicles			
MPH	5	10	15	20
70				
69				
68				
67				
66				
65				
64				
63				
62				
61				
60				
59				
58				
57				
56				
55				
54				
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49				
48				
47				
46				
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44				
43				
42				
41				
40				
39				
38				
37				
36	1			
35				
34	1	1		
33				
32	1			
31	1	1		
30	1	1	1	
29	1	1	1	1
28	1	1	1	1
27	1	1	1	1
26	1	1	1	1
25	1	1	1	1
24	1	1	1	1
23	1	1	1	1
22	1	1	1	1
21	1	1	1	1
20	1	1	1	1
19	1	1	1	1
18	1	1	1	1
17	1	1	1	1
16	1	1	1	1
15				
14				
13				
12				
11				
10				

Direction: <u>Oncoming East</u>	Number of Vehicles			
MPH	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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39				
38				
37				
36				
35				
34				
33	1			
32	1	1		
31	1	1	1	
30	1	1	1	1
29	1	1	1	1
28	1	1	1	1
27	1	1	1	1
26	1	1	1	1
25	1	1	1	1
24	1	1	1	1
23	1	1	1	1
22	1	1	1	1
21	1	1	1	1
20	1	1	1	1
19	1	1	1	1
18	1	1	1	1
17	1	1	1	1
16	1	1	1	1
15	1			
14				
13				
12				
11				
10				

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

STREET: **EI DORADO DRIVE**
BETWEEN: **E ALVIN DR & E BORONDA RD**
SURVEY DATE: **03/29/2022 (EXPIRES IN 2027)**

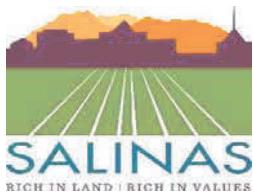
91



COMMENTS:

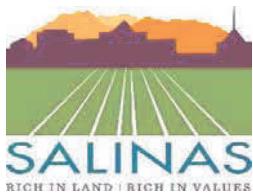
This segment of El Dorado Drive is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes fronting residential homes and a park. Speed data collected March 29, 2022 revealed the 85th percentile speed of 28 mph. The 10 mph pace ranges from 19 mph to 28 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded up and reduced by 5 mph per MUTCD option 2, the existing posted speed limit of 25 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL
Distance	Approximately 4,100 Feet	
Vertical Alignment	Flat	
Street Width	60 Feet	
No. Lanes and Median	2-Lane Minor Arterial	
Proposed Speed Zone	25 MPH	
85 th Percentile Speed	28 MPH	
Traffic Volume (Date)	4,074 (2019)	
Accident Data (2 years)	2 Collisions (2019-2020)	
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	0.86 Acc./MVM	
		<p>ANDREW EASTERLING REGISTERED PROFESSIONAL ENGINEER NO. TR 2824 STATE OF CALIFORNIA</p>



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

<p>Street: <u>El Dorado Drive</u> Direction: <u>SBD</u> Between: <u>East Alvin Drive and East Boronda Road</u> Survey Location: <u>Between Calaveras Drive and Harden Parkway</u> Speed Limit: <u>25 MPH</u> Date: <u>03/29/22</u> Day: <u>Tuesday</u> Hours: From: <u>12:15</u> To: <u>12:50</u> Weather: <u>Overcast</u> Observer(s): <u>Emilio</u></p>	<p>Comments: <u>No. 91</u></p>
Data Analysis:	
<p>Time Mean Speed: <u>23.3 MPH</u> Sample Variance: <u>14.92</u> Standard Deviation: <u>3.9</u> Variance of the Mean: <u>0.2984</u> Standard Error of the Mean: <u>0.5</u> 10 MPH Pace: <u>18</u> To: <u>27 MPH</u> Percent in Pace: <u>84.0%</u> Vehicles in Pace: <u>42</u> 50th Percentile Speed: <u>23 MPH</u> 85th Percentile Speed: <u>27 MPH</u> 90th Percentile Speed: <u>27 MPH</u> 95th Percentile Speed: <u>29 MPH</u></p>	
Cumulative Frequency Distribution	
Frequency Distribution	
<p>Totals: <u>50</u> 100.00% <u></u></p>	

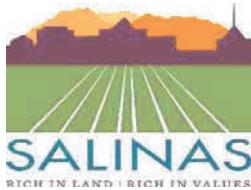


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	El Dorado Drive			Direction: <u>NBD</u>	Comments: No. 91
Between:	East Alvin Drive and East Boronda Road				
Survey Location:	Between Calaveras Drive and Harden Parkway				
Speed Limit:	25 MPH				
Date:	03/29/22			Day: <u>Tuesday</u>	
Hours:	From: <u>12:15</u>		To: <u>12:50</u>		
Weather:	Overcast				
Observer(s):	Emilio				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%	Time Mean Speed: <u>25.7</u> MPH	
11	0	0.00%	0.00%	Sample Variance: <u>13.18</u>	
12	0	0.00%	0.00%	Standard Deviation: <u>3.6</u>	
13	0	0.00%	0.00%	Variance of the Mean: <u>0.2636</u>	
14	0	0.00%	0.00%	Standard Error of the Mean: <u>0.5</u>	
15	0	0.00%	0.00%	10 MPH Pace: <u>22</u> To: <u>31</u> MPH	
16	0	0.00%	0.00%	Percent in Pace: <u>86.0%</u>	
17	0	0.00%	0.00%	Vehicles in Pace: <u>43</u>	
18	0	0.00%	0.00%	50th Percentile Speed: <u>26</u> MPH	
19	3	6.00%	6.00%	85th Percentile Speed: <u>30</u> MPH	
20	1	2.00%	8.00%	90th Percentile Speed: <u>30</u> MPH	
21	0	0.00%	8.00%	95th Percentile Speed: <u>32</u> MPH	
22	4	8.00%	16.00%		
23	9	18.00%	34.00%		
24	3	6.00%	40.00%		
25	4	8.00%	48.00%		
26	5	10.00%	58.00%		
27	6	12.00%	70.00%		
28	4	8.00%	78.00%		
29	1	2.00%	80.00%		
30	6	12.00%	92.00%		
31	1	2.00%	94.00%		
32	2	4.00%	98.00%		
33	0	0.00%	98.00%		
34	0	0.00%	98.00%		
35	1	2.00%	100.00%		
36	0	0.00%	100.00%		
37	0	0.00%	100.00%		
38	0	0.00%	100.00%		
39	0	0.00%	100.00%		
40	0	0.00%	100.00%		
41	0	0.00%	100.00%		
42	0	0.00%	100.00%		
43	0	0.00%	100.00%		
44	0	0.00%	100.00%		
45	0	0.00%	100.00%		
46	0	0.00%	100.00%		
47	0	0.00%	100.00%		
48	0	0.00%	100.00%		
49	0	0.00%	100.00%		
50	0	0.00%	100.00%		
51	0	0.00%	100.00%		
52	0	0.00%	100.00%		
53	0	0.00%	100.00%		
54	0	0.00%	100.00%		
Totals:	50	100.00%			

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	El Dorado Drive			Direction: <u>SBD/NBD</u>	Comments: <u>No. 91</u>
Between:	East Alvin Drive and East Boronda Road				
Survey Location:	Between Calaveras Drive and Harden Parkway				
Speed Limit:	25 MPH				
Date:	03/29/22			Day: <u>Tuesday</u>	
Hours:	From: <u>12:15</u>	To: <u>12:50</u>			
Weather:	Overcast				
Observer(s):	Emilio				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%	Time Mean Speed: <u>24.5</u> MPH	
11	0	0.00%	0.00%	Sample Variance: <u>15.38</u>	
12	0	0.00%	0.00%	Standard Deviation: <u>3.9</u>	
13	0	0.00%	0.00%	Variance of the Mean: <u>0.1538</u>	
14	0	0.00%	0.00%	Standard Error of the Mean: <u>0.4</u>	
15	0	0.00%	0.00%	10 MPH Pace: <u>19</u> To: <u>28</u> MPH	
16	1	1.00%	1.00%	Percent in Pace: <u>79.0%</u>	
17	2	2.00%	3.00%	Vehicles in Pace: <u>79</u>	
18	3	3.00%	6.00%	50th Percentile Speed: <u>25</u> MPH	
19	7	7.00%	13.00%	85th Percentile Speed: <u>28</u> MPH	
20	5	5.00%	18.00%	90th Percentile Speed: <u>30</u> MPH	
21	4	4.00%	22.00%	95th Percentile Speed: <u>30</u> MPH	
22	8	8.00%	30.00%		
23	12	12.00%	42.00%		
24	6	6.00%	48.00%		
25	9	9.00%	57.00%		
26	9	9.00%	66.00%		
27	14	14.00%	80.00%		
28	5	5.00%	85.00%		
29	4	4.00%	89.00%		
30	6	6.00%	95.00%		
31	1	1.00%	96.00%		
32	2	2.00%	98.00%		
33	1	1.00%	99.00%		
34	0	0.00%	99.00%		
35	1	1.00%	100.00%		
36	0	0.00%	100.00%		
37	0	0.00%	100.00%		
38	0	0.00%	100.00%		
39	0	0.00%	100.00%		
40	0	0.00%	100.00%		
41	0	0.00%	100.00%		
42	0	0.00%	100.00%		
43	0	0.00%	100.00%		
44	0	0.00%	100.00%		
45	0	0.00%	100.00%		
46	0	0.00%	100.00%		
47	0	0.00%	100.00%		
48	0	0.00%	100.00%		
49	0	0.00%	100.00%		
50	0	0.00%	100.00%		
51	0	0.00%	100.00%		
52	0	0.00%	100.00%		
53	0	0.00%	100.00%		
54	0	0.00%	100.00%		
Totals:	100	100.00%			

Cumulative Frequency Distribution

Frequency Distribution

1 SPEED SURVEY FIELD SHEET

CITY OF SALINAS

2 3 SITE CODE
a1

LOCATION

El Dorado Dr btwn East Alvin Dr + Brenda Rd

DATE

3/29/22 DAY

TIME 12:15 TO 12:50

OBSERVER

Emilio

CALCULATED BY

Emilio

WEATHER overcast

Direction: Away 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				
36				
35				
34				
33	X			
32				
31				
30				
29	X X X			
28	X			
27	X X X X 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			
16	X			
15				
14				
13				
12				
11				
10				

||||| ||||| ||||| |||||
||||| ||||| ||||| |||||

Direction: Coming North				
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	X			
34				
33				
32	X X			
31	X			
30	X X X X X X X X			
29	X			
28	X X X X			
27	X X X X / X			
26	X X X X			
25	X X X X			
24	X X X X			
23	X X X X X X X X			
22	X X X X			
21				
20	X			
19	X X X			
18				
17				
16				
15				
14				
13				
12				
11				
10				

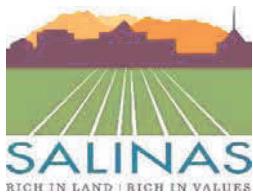
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||||| ||||| ||||| |||||

≡ Number: 1 Author: jonathanh Subject: Text Box Date: 9/26/2022 2:33:45 PM

≡ Number: 2 Author: jonathanh Subject: Text Box Date: 9/26/2022 2:33:51 PM

≡ Number: 3 Author: jonathanh Subject: Text Box Date: 9/26/2022 2:33:57 PM





CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Rider Avenue		Direction: <u>WBD</u>	Comments: <u>No. 102</u>
Between:	<u>Del Monte Avenue and Freedom Parkway</u>			
Survey Location:	<u>Between Mimbrena Way and Mazatlan Way</u>			
Speed Limit:	<u>25 MPH</u>			
Date:	<u>06/03/22</u>	Day:	<u>Friday</u>	
Hours: From:	<u>11:57</u>	To:	<u>01:00</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Emi and Eva</u>			
MPH	Frequency	Percent	Cumulative %	Data Analysis:
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	2	4.00%	4.00%	
18	3	6.00%	10.00%	
19	1	2.00%	12.00%	
20	1	2.00%	14.00%	
21	1	2.00%	16.00%	
22	5	10.00%	26.00%	
23	5	10.00%	36.00%	
24	3	6.00%	42.00%	
25	1	2.00%	44.00%	
26	3	6.00%	50.00%	
27	1	2.00%	52.00%	
28	6	12.00%	64.00%	
29	0	0.00%	64.00%	
30	6	12.00%	76.00%	
31	6	12.00%	88.00%	
32	3	6.00%	94.00%	
33	0	0.00%	94.00%	
34	0	0.00%	94.00%	
35	0	0.00%	94.00%	
36	1	2.00%	96.00%	
37	0	0.00%	96.00%	
38	0	0.00%	96.00%	
39	1	2.00%	98.00%	
40	1	2.00%	100.00%	
41	0	0.00%	100.00%	
42	0	0.00%	100.00%	
43	0	0.00%	100.00%	
44	0	0.00%	100.00%	
45	0	0.00%	100.00%	
46	0	0.00%	100.00%	
47	0	0.00%	100.00%	
48	0	0.00%	100.00%	
49	0	0.00%	100.00%	
50	0	0.00%	100.00%	
51	0	0.00%	100.00%	
52	0	0.00%	100.00%	
53	0	0.00%	100.00%	
54	0	0.00%	100.00%	
Totals:	50	100.00%		

Time Mean Speed: 26.4 MPH

Sample Variance: 29.35

Standard Deviation: 5.4

Variance of the Mean: 0.5870

Standard Error of the Mean: 0.8

10 MPH Pace: 22 To: 31 MPH

Percent in Pace: 72.0%

Vehicles in Pace: 36

50th Percentile Speed: 26 MPH

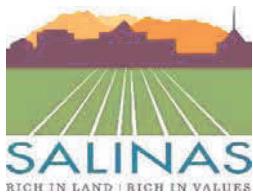
85th Percentile Speed: 31 MPH

90th Percentile Speed: 32 MPH

95th Percentile Speed: 36 MPH

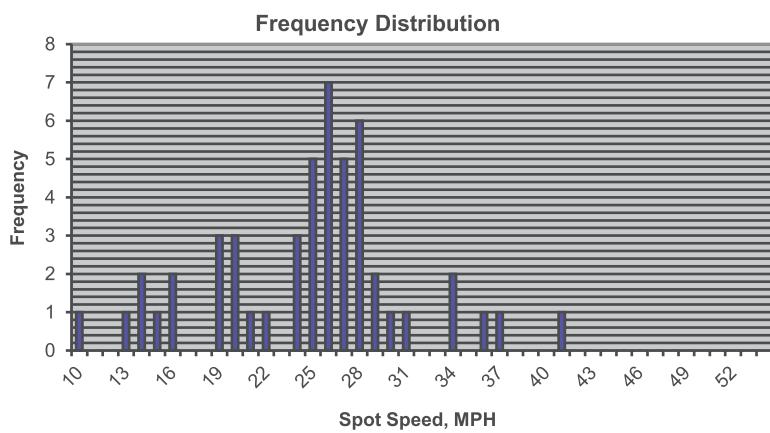
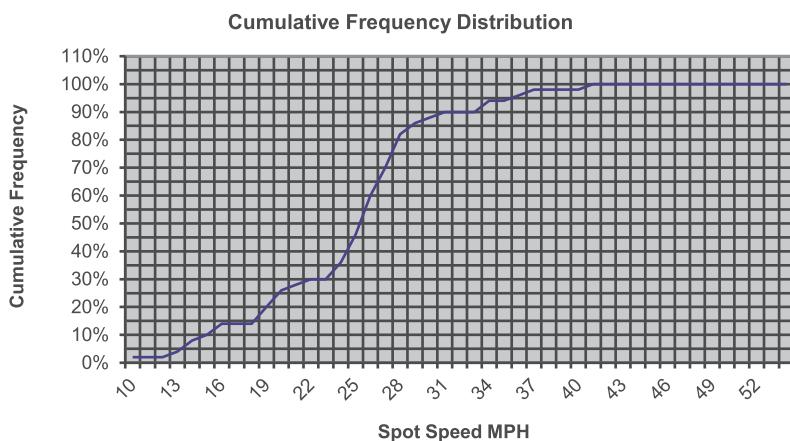
Cumulative Frequency Distribution

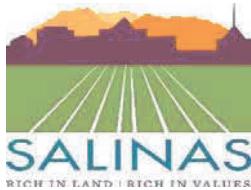
Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Rider Avenue		Direction:	EBD		Comments: No. 102	
Between:	Del Monte Avenue and Freedom Parkway		Day:				
Survey Location:	Between Mimbrena Way and Mazatlan Way						
Speed Limit:	25 MPH						
Date:	06/03/22		Day:	Friday			
Hours:	From:	11:57	To:	01:00			
Weather:	Sunny						
Observer(s):	Emi and Eva						
MPH	Frequency	Percent	Cumulative %	Data Analysis:			
10	1	2.00%	2.00%	Time Mean Speed: 24.8 MPH Sample Variance: 39.58 Standard Deviation: 6.3 Variance of the Mean: 0.7916 Standard Error of the Mean: 0.9 10 MPH Pace: 19 MPH Percent in Pace: 68.0% Vehicles in Pace: 34 50th Percentile Speed: 26 MPH 85th Percentile Speed: 29 MPH 90th Percentile Speed: 31 MPH 95th Percentile Speed: 36 MPH			
11	0	0.00%	2.00%				
12	0	0.00%	2.00%				
13	1	2.00%	4.00%				
14	2	4.00%	8.00%				
15	1	2.00%	10.00%				
16	2	4.00%	14.00%				
17	0	0.00%	14.00%				
18	0	0.00%	14.00%				
19	3	6.00%	20.00%				
20	3	6.00%	26.00%				
21	1	2.00%	28.00%				
22	1	2.00%	30.00%				
23	0	0.00%	30.00%				
24	3	6.00%	36.00%				
25	5	10.00%	46.00%				
26	7	14.00%	60.00%				
27	5	10.00%	70.00%				
28	6	12.00%	82.00%				
29	2	4.00%	86.00%				
30	1	2.00%	88.00%				
31	1	2.00%	90.00%				
32	0	0.00%	90.00%				
33	0	0.00%	90.00%				
34	2	4.00%	94.00%				
35	0	0.00%	94.00%				
36	1	2.00%	96.00%				
37	1	2.00%	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%				
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:	Rider Avenue			Direction: <u>WBD/EBD</u>	Comments: <u>No. 102</u>
Between:	<u>Del Monte Avenue and Freedom Parkway</u>				
Survey Location:	<u>Between Mimbrena Way and Mazatlan Way</u>				
Speed Limit:	<u>25 MPH</u>				
Date:	<u>06/03/22</u>		Day:	<u>Friday</u>	
Hours:	From: <u>11:57</u>	To: <u>01:00</u>			
Weather:	<u>Sunny</u>				
Observer(s):	<u>Emi and Eva</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	<u>1</u>	1.00%	1.00%		
11	<u>0</u>	0.00%	1.00%		
12	<u>0</u>	0.00%	1.00%		
13	<u>1</u>	1.00%	2.00%		
14	<u>2</u>	2.00%	4.00%		
15	<u>1</u>	1.00%	5.00%		
16	<u>2</u>	2.00%	7.00%		
17	<u>2</u>	2.00%	9.00%		
18	<u>3</u>	3.00%	12.00%		
19	<u>4</u>	4.00%	16.00%		
20	<u>4</u>	4.00%	20.00%		
21	<u>2</u>	2.00%	22.00%		
22	<u>6</u>	6.00%	28.00%		
23	<u>5</u>	5.00%	33.00%		
24	<u>6</u>	6.00%	39.00%		
25	<u>6</u>	6.00%	45.00%		
26	<u>10</u>	10.00%	55.00%		
27	<u>6</u>	6.00%	61.00%		
28	<u>12</u>	12.00%	73.00%		
29	<u>2</u>	2.00%	75.00%		
30	<u>7</u>	7.00%	82.00%		
31	<u>7</u>	7.00%	89.00%		
32	<u>3</u>	3.00%	92.00%		
33	<u>0</u>	0.00%	92.00%		
34	<u>2</u>	2.00%	94.00%		
35	<u>0</u>	0.00%	94.00%		
36	<u>2</u>	2.00%	96.00%		
37	<u>1</u>	1.00%	97.00%		
38	<u>0</u>	0.00%	97.00%		
39	<u>1</u>	1.00%	98.00%		
40	<u>1</u>	1.00%	99.00%		
41	<u>1</u>	1.00%	100.00%		
42	<u>0</u>	0.00%	100.00%		
43	<u>0</u>	0.00%	100.00%		
44	<u>0</u>	0.00%	100.00%		
45	<u>0</u>	0.00%	100.00%		
46	<u>0</u>	0.00%	100.00%		
47	<u>0</u>	0.00%	100.00%		
48	<u>0</u>	0.00%	100.00%		
49	<u>0</u>	0.00%	100.00%		
50	<u>0</u>	0.00%	100.00%		
51	<u>0</u>	0.00%	100.00%		
52	<u>0</u>	0.00%	100.00%		
53	<u>0</u>	0.00%	100.00%		
54	<u>0</u>	0.00%	100.00%		
Totals:	100	100.00%			

Cumulative Frequency Distribution

Frequency Distribution

SITE CODE
102

SPEED SURVEY FIELD SHEET

CITY OF SALINAS DEC MONTH

Freedom

LOCATION

Rider Ave btwn ~~East Alvin Dr + Brenda Rd~~

DATE

6/3/2022 DAY Friday

TIME 11:57 TO 1:00

OBSERVER

Eri

CALCULATED BY Eva

WEATHER

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

Direction: Oncoming 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	X			
40				
39				
38				
37				
36	X			
35	X			
34	X			
33	X X			
32				
31	X			
30	X			
29	X			
28	X X X X X			
27	X X X X X			
26	X X X X X			
25	X X X X X			
24	X X X X X			
23				
22				
21				
20				
19	X X X			
18				
17				
16				
15				
14				
13				
12				
11				
10				

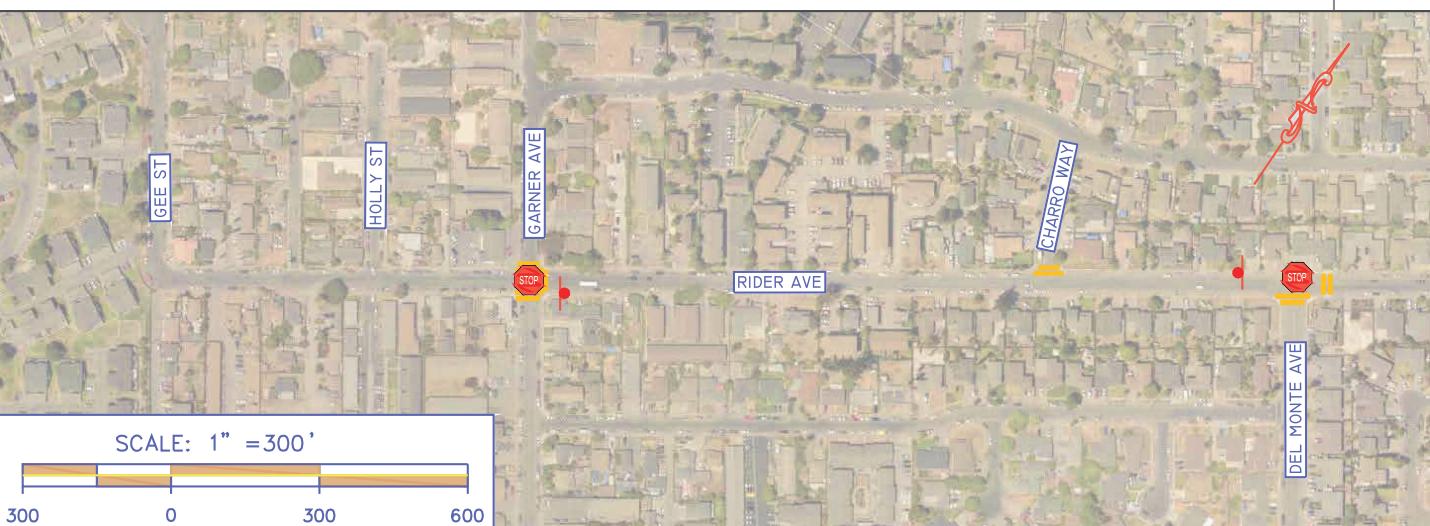
Number: 1 Author: jonathanh Subject: Text Box Date: 9/26/2022 2:34:31 PM

Number: 2 Author: jonathanh Subject: Text Box Date: 9/26/2022 2:34:25 PM

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

**STREET: RIDER AVENUE
BETWEEN: DEL MONTE AVE & GEE ST
SURVEY DATE: 05/03/2022 (EXPIRES IN 2027)**

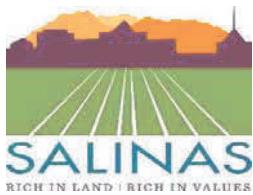
103



COMMENTS:

This segment of Rider Avenue is classified as a collector in the City of Salinas General Plan. The surrounding land use is fronting residential homes. Speed data collected May 3, 2022 revealed the 85th percentile speed of 28 mph. The 10 mph pace ranges from 20 mph to 29 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded up and reduced by 5 mph per MUTCD option 2, the existing posted speed limit of 25 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 2,300 Feet		
Vertical Alignment	Flat		
Street Width	40 Feet		
No. Lanes and Median	2-Lane Collector		
Proposed Speed Zone	25 MPH		
85th Percentile Speed	28 MPH		
Traffic Volume (Date)	3,498 (2022)		
Accident Data (2 years)	4 Collisions (2019-2020)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	3.60 Acc./MVM		

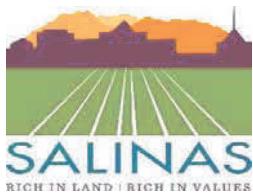


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Rider Avenue		Direction: <u>WBD</u>	Comments: <u>No. 103</u>
Between:	<u>Del Monte Avenue and Gee Street</u>			
Survey Location:	<u>Between Garner Avenue and Charro Way</u>			
Speed Limit:	<u>25 MPH</u>			
Date:	<u>05/03/22</u>	Day:	<u>Tuesday</u>	
Hours: From:	<u>01:50</u>	To:	<u>02:53</u>	
Weather:	<u>Sunny</u>			
Observer(s):	<u>Emileo and Eva</u>			
MPH	Frequency	Percent	Cumulative %	Data Analysis:
10	0	0.00%	0.00%	Time Mean Speed: <u>24.4 MPH</u>
11	0	0.00%	0.00%	Sample Variance: <u>15.42</u>
12	0	0.00%	0.00%	Standard Deviation: <u>3.9</u>
13	0	0.00%	0.00%	Variance of the Mean: <u>0.3084</u>
14	0	0.00%	0.00%	Standard Error of the Mean: <u>0.6</u>
15	0	0.00%	0.00%	10 MPH Pace: <u>20 To: 29 MPH</u>
16	2	4.00%	4.00%	Percent in Pace: <u>82.0%</u>
17	1	2.00%	6.00%	Vehicles in Pace: <u>41</u>
18	2	4.00%	10.00%	50th Percentile Speed: <u>25 MPH</u>
19	0	0.00%	10.00%	85th Percentile Speed: <u>28 MPH</u>
20	4	8.00%	18.00%	90th Percentile Speed: <u>28 MPH</u>
21	1	2.00%	20.00%	95th Percentile Speed: <u>30 MPH</u>
22	6	12.00%	32.00%	
23	4	8.00%	40.00%	
24	4	8.00%	48.00%	
25	5	10.00%	58.00%	
26	5	10.00%	68.00%	
27	5	10.00%	78.00%	
28	6	12.00%	90.00%	
29	1	2.00%	92.00%	
30	2	4.00%	96.00%	
31	1	2.00%	98.00%	
32	0	0.00%	98.00%	
33	0	0.00%	98.00%	
34	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%		

Cumulative Frequency Distribution

Frequency Distribution

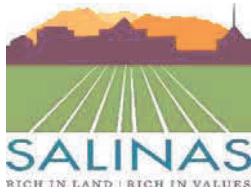


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Rider Avenue		Direction:	EBD		Comments: No. 103
Between:	Del Monte Avenue and Gee Street		Day:	Tuesday		
Survey Location:	Between Garner Avenue and Charro Way		Hours:	From: 01:50	To: 02:53	
Speed Limit:	25 MPH		Weather:	Sunny		
Date:	05/03/22		Observer(s):	Emileo and Eva		
MPH	Frequency	Percent	Cumulative %	Data Analysis:		
10	0	0.00%	0.00%	Time Mean Speed: 24.1 MPH		
11	0	0.00%	0.00%	Sample Variance: 13.09		
12	0	0.00%	0.00%	Standard Deviation: 3.6		
13	0	0.00%	0.00%	Variance of the Mean: 0.2618		
14	0	0.00%	0.00%	Standard Error of the Mean: 0.5		
15	0	0.00%	0.00%	10 MPH Pace: 19 MPH		
16	0	0.00%	0.00%	Percent in Pace: 82.0%		
17	0	0.00%	0.00%	Vehicles in Pace: 41		
18	1	2.00%	2.00%	50th Percentile Speed: 23 MPH		
19	2	4.00%	6.00%	85th Percentile Speed: 29 MPH		
20	6	12.00%	18.00%	90th Percentile Speed: 30 MPH		
21	3	6.00%	24.00%	95th Percentile Speed: 30 MPH		
22	10	20.00%	44.00%			
23	3	6.00%	50.00%			
24	5	10.00%	60.00%			
25	2	4.00%	64.00%			
26	6	12.00%	76.00%			
27	1	2.00%	78.00%			
28	3	6.00%	84.00%			
29	2	4.00%	88.00%			
30	4	8.00%	96.00%			
31	1	2.00%	98.00%			
32	1	2.00%	100.00%			
33	0	0.00%	100.00%			
34	0	0.00%	100.00%			
35	0	0.00%	100.00%			
36	0	0.00%	100.00%			
37	0	0.00%	100.00%			
38	0	0.00%	100.00%			
39	0	0.00%	100.00%			
40	0	0.00%	100.00%			
41	0	0.00%	100.00%			
42	0	0.00%	100.00%			
43	0	0.00%	100.00%			
44	0	0.00%	100.00%			
45	0	0.00%	100.00%			
46	0	0.00%	100.00%			
47	0	0.00%	100.00%			
48	0	0.00%	100.00%			
49	0	0.00%	100.00%			
50	0	0.00%	100.00%			
51	0	0.00%	100.00%			
52	0	0.00%	100.00%			
53	0	0.00%	100.00%			
54	0	0.00%	100.00%			
Totals:	50	100.00%				

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	Rider Avenue			Direction: <u>WBD/EBD</u>	Comments: <u>No. 103</u>
Between:	<u>Del Monte Avenue and Gee Street</u>				
Survey Location:	<u>Between Garner Avenue and Charro Way</u>				
Speed Limit:	<u>25 MPH</u>				
Date:	<u>05/03/22</u>		Day:	<u>Tuesday</u>	
Hours:	From: <u>01:50</u>	To: <u>02:53</u>			
Weather:	<u>Sunny</u>				
Observer(s):	<u>Emileo and Eva</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	<u>0</u>	0.00%	0.00%		
11	<u>0</u>	0.00%	0.00%		
12	<u>0</u>	0.00%	0.00%		
13	<u>0</u>	0.00%	0.00%		
14	<u>0</u>	0.00%	0.00%		
15	<u>0</u>	0.00%	0.00%		
16	<u>2</u>	2.00%	2.00%		
17	<u>1</u>	1.00%	3.00%		
18	<u>3</u>	3.00%	6.00%		
19	<u>2</u>	2.00%	8.00%		
20	<u>10</u>	10.00%	18.00%		
21	<u>4</u>	4.00%	22.00%		
22	<u>16</u>	16.00%	38.00%		
23	<u>7</u>	7.00%	45.00%		
24	<u>9</u>	9.00%	54.00%		
25	<u>7</u>	7.00%	61.00%		
26	<u>11</u>	11.00%	72.00%		
27	<u>6</u>	6.00%	78.00%		
28	<u>9</u>	9.00%	87.00%		
29	<u>3</u>	3.00%	90.00%		
30	<u>6</u>	6.00%	96.00%		
31	<u>2</u>	2.00%	98.00%		
32	<u>1</u>	1.00%	99.00%		
33	<u>0</u>	0.00%	99.00%		
34	<u>1</u>	1.00%	100.00%		
35	<u>0</u>	0.00%	100.00%		
36	<u>0</u>	0.00%	100.00%		
37	<u>0</u>	0.00%	100.00%		
38	<u>0</u>	0.00%	100.00%		
39	<u>0</u>	0.00%	100.00%		
40	<u>0</u>	0.00%	100.00%		
41	<u>0</u>	0.00%	100.00%		
42	<u>0</u>	0.00%	100.00%		
43	<u>0</u>	0.00%	100.00%		
44	<u>0</u>	0.00%	100.00%		
45	<u>0</u>	0.00%	100.00%		
46	<u>0</u>	0.00%	100.00%		
47	<u>0</u>	0.00%	100.00%		
48	<u>0</u>	0.00%	100.00%		
49	<u>0</u>	0.00%	100.00%		
50	<u>0</u>	0.00%	100.00%		
51	<u>0</u>	0.00%	100.00%		
52	<u>0</u>	0.00%	100.00%		
53	<u>0</u>	0.00%	100.00%		
54	<u>0</u>	0.00%	100.00%		
Totals:	100	100.00%			

Cumulative Frequency Distribution

Frequency Distribution

SPEED SURVEY FIELD SHEET
CITY OF SALINAS

SITE CODE
103

LOCATION

Rider Ave b/wn Del Monte Ave + Free St

DATE

05/03/2011 DAY Tuesday

TIME 1:50 TO 2:53

OBSERVER

Emilia

CALCULATED BY Eva

WEATHER Sunny

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				
32				
31	X			
30	X			
29	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			
20	X	X	X	X
19				
18	X			
17	X			
16	X			
15				
14				
13				
12				
11				
10				

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

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

STREET: **SAN MIGUEL AVENUE**
BETWEEN: **PAJARO ST & SAN MATEO DR**
SURVEY DATE: **02/23/2022 (EXPIRES IN 2027)**

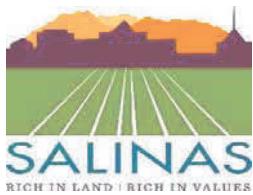
105



COMMENTS:

This segment of San Miguel Avenue is classified as a collector in the City of Salinas General Plan. The surrounding land use is fronting residential homes, a park, and a school. Speed data collected February 23, 2022 revealed the 85th percentile speed of 30 mph. The 10 mph pace ranges from 21 mph to 30 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 25 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 3,800 Feet		
Vertical Alignment	Flat		
Street Width	40 Feet		
No. Lanes and Median	2 Lane Collector		
Proposed Speed Zone	25 MPH		
85th Percentile Speed	30 MPH		
Traffic Volume (Date)	1,696 (2022)		
Accident Data (2 years)	3 Collisions (2019-2020)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	3.37 Acc./MVM		

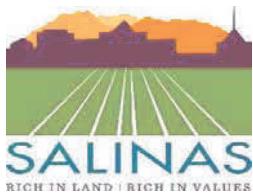


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	San Miguel Avenue			Direction: <u>WBD</u>	Comments: <u>No. 105</u>
Between:	<u>Pajaro Street and San Mateo Drive</u>				
Survey Location:	<u>Between San Pedro Street and San Juan Drive</u>				
Speed Limit:	<u>25 MPH</u>				
Date:	<u>02/23/22</u>		Day:	<u>Wednesday</u>	
Hours:	From:	<u>02:10</u>	To:	<u>03:10</u>	
Weather:	<u>Sunny</u>				
Observer(s):	<u>Emileo and Zach</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%		
11	0	0.00%	0.00%		
12	0	0.00%	0.00%		
13	1	2.00%	2.00%		
14	0	0.00%	2.00%		
15	1	2.00%	4.00%		
16	1	2.00%	6.00%		
17	2	4.00%	10.00%		
18	0	0.00%	10.00%		
19	2	4.00%	14.00%		
20	2	4.00%	18.00%		
21	2	4.00%	22.00%		
22	3	6.00%	28.00%		
23	5	10.00%	38.00%		
24	1	2.00%	40.00%		
25	3	6.00%	46.00%		
26	7	14.00%	60.00%		
27	4	8.00%	68.00%		
28	4	8.00%	76.00%		
29	2	4.00%	80.00%		
30	7	14.00%	94.00%		
31	2	4.00%	98.00%		
32	1	2.00%	100.00%		
33	0	0.00%	100.00%		
34	0	0.00%	100.00%		
35	0	0.00%	100.00%		
36	0	0.00%	100.00%		
37	0	0.00%	100.00%		
38	0	0.00%	100.00%		
39	0	0.00%	100.00%		
40	0	0.00%	100.00%		
41	0	0.00%	100.00%		
42	0	0.00%	100.00%		
43	0	0.00%	100.00%		
44	0	0.00%	100.00%		
45	0	0.00%	100.00%		
46	0	0.00%	100.00%		
47	0	0.00%	100.00%		
48	0	0.00%	100.00%		
49	0	0.00%	100.00%		
50	0	0.00%	100.00%		
51	0	0.00%	100.00%		
52	0	0.00%	100.00%		
53	0	0.00%	100.00%		
54	0	0.00%	100.00%		
Totals:	50	100.00%			

Cumulative Frequency Distribution

Frequency Distribution

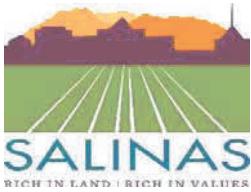


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	San Miguel Avenue			Direction: <u>EBD</u>	Comments: No. 105
Between:	<u>Pajaro Street and San Mateo Drive</u>				
Survey Location:	<u>Between San Pedro Street and San Juan Drive</u>				
Speed Limit:	<u>25 MPH</u>				
Date:	<u>02/23/22</u>			Day: <u>Wednesday</u>	
Hours:	From: <u>02:10</u>		To: <u>03:10</u>		
Weather:	<u>Sunny</u>				
Observer(s):	<u>Emileo and Zach</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%		
11	0	0.00%	0.00%		
12	0	0.00%	0.00%		
13	0	0.00%	0.00%		
14	0	0.00%	0.00%		
15	0	0.00%	0.00%		
16	1	2.00%	2.00%		
17	0	0.00%	2.00%		
18	0	0.00%	2.00%		
19	0	0.00%	2.00%		
20	2	4.00%	6.00%		
21	3	6.00%	12.00%		
22	4	8.00%	20.00%		
23	6	12.00%	32.00%		
24	7	14.00%	46.00%		
25	6	12.00%	58.00%		
26	4	8.00%	66.00%		
27	5	10.00%	76.00%		
28	4	8.00%	84.00%		
29	2	4.00%	88.00%		
30	1	2.00%	90.00%		
31	0	0.00%	90.00%		
32	0	0.00%	90.00%		
33	3	6.00%	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%		
50	0	0.00%	100.00%		
51	0	0.00%	100.00%		
52	0	0.00%	100.00%		
53	0	0.00%	100.00%		
54	0	0.00%	100.00%		
Totals:	50	100.00%			

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	San Miguel Avenue			Direction: <u>WBD/EBD</u>	Comments: No. 105
Between:	<u>Pajaro Street and San Mateo Drive</u>				
Survey Location:	<u>Between San Pedro Street and San Juan Drive</u>				
Speed Limit:	<u>25 MPH</u>				
Date:	<u>02/23/22</u>		Day:	<u>Wednesday</u>	
Hours:	From: <u>02:10</u>		To:	<u>03:10</u>	
Weather:	<u>Sunny</u>				
Observer(s):	<u>Emileo and Zach</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%	Time Mean Speed: <u>25.1</u> MPH	
11	0	0.00%	0.00%	Sample Variance: <u>17.76</u>	
12	0	0.00%	0.00%	Standard Deviation: <u>4.2</u>	
13	1	1.00%	1.00%	Variance of the Mean: <u>0.1776</u>	
14	0	0.00%	1.00%	Standard Error of the Mean: <u>0.4</u>	
15	1	1.00%	2.00%	10 MPH Pace: <u>21</u> To: <u>30</u> MPH	
16	2	2.00%	4.00%	Percent in Pace: <u>80.0%</u>	
17	2	2.00%	6.00%	Vehicles in Pace: <u>80</u>	
18	0	0.00%	6.00%	50th Percentile Speed: <u>25</u> MPH	
19	2	2.00%	8.00%	85th Percentile Speed: <u>30</u> MPH	
20	4	4.00%	12.00%	90th Percentile Speed: <u>30</u> MPH	
21	5	5.00%	17.00%	95th Percentile Speed: <u>32</u> MPH	
22	7	7.00%	24.00%		
23	11	11.00%	35.00%		
24	8	8.00%	43.00%		
25	9	9.00%	52.00%		
26	11	11.00%	63.00%		
27	9	9.00%	72.00%		
28	8	8.00%	80.00%		
29	4	4.00%	84.00%		
30	8	8.00%	92.00%		
31	2	2.00%	94.00%		
32	1	1.00%	95.00%		
33	3	3.00%	98.00%		
34	2	2.00%	100.00%		
35	0	0.00%	100.00%		
36	0	0.00%	100.00%		
37	0	0.00%	100.00%		
38	0	0.00%	100.00%		
39	0	0.00%	100.00%		
40	0	0.00%	100.00%		
41	0	0.00%	100.00%		
42	0	0.00%	100.00%		
43	0	0.00%	100.00%		
44	0	0.00%	100.00%		
45	0	0.00%	100.00%		
46	0	0.00%	100.00%		
47	0	0.00%	100.00%		
48	0	0.00%	100.00%		
49	0	0.00%	100.00%		
50	0	0.00%	100.00%		
51	0	0.00%	100.00%		
52	0	0.00%	100.00%		
53	0	0.00%	100.00%		
54	0	0.00%	100.00%		
Totals:	100	100.00%			

Cumulative Frequency Distribution

Frequency Distribution

Between
San Pedro 2
San Juan

SITE CODE

105

1 SPEED SURVEY FIELD SHEET

CITY OF SALINAS

LOCATION

San Miguel Ave btwn Pajaro St + San Mateo Dr

DATE 2/23/22 DAY Wednesday

TIME 2:10 PM TO 3:10

OBSERVER Emilia

CALCULATED BY Zach

WEATHER *Sunny*

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

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				
31				
30	X			
29	X X			
28	X X X X			
27	X X			
26	X X X X X			
25	X X X X X			
24	X X X X X			
23	X X X X X			
22	X X X X X			
21	X X X X X			
20	X X X X X			
19				
18				
17				
16	X			
15				
14				
13				
12				
11				
10				

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

**STREET: NORTH MAIN STREET
BETWEEN: ALVIN DR & BORONDA RD
SURVEY DATE: 07/21/2022 (EXPIRES IN 2027)**

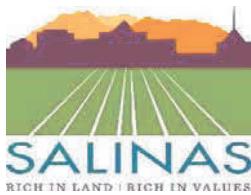
128



COMMENTS:

This segment of North Main Street is classified as a major arterial in the City of Salinas General Plan. The surrounding land use includes fronting residential and retail areas. Speed data collected July 21, 2022 revealed the 85th percentile speed of 35 mph. The 10 mph pace ranges from 28 mph to 37 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds, the existing posted speed limit of 35 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL
Distance	Approximately 5,050 Feet	
Vertical Alignment	Flat	
Street Width	Varies (100 to 112 Feet)	
No. Lanes and Median	6-Lane Major Arterial	
Proposed Speed Zone	35 MPH	
85 th Percentile Speed	35 MPH	
Traffic Volume (Date)	17,588 (2022)	
Accident Data (2 years)	25 Collisions (2019-2020)	
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	1.95 Acc./MVM	

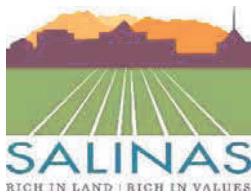


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	North Main Street			Direction: <u>SBD</u>	Comments: <u>No. 128</u>
Between:	<u>Alvin Drive and Boronda Road</u>				
Survey Location:	<u>Between Madrid St/Harden Pkwy & San Juan Grade Rd</u>				
Speed Limit:	<u>35 MPH</u>				
Date:	<u>07/21/22</u>		Day:	<u>Thursday</u>	
Hours:	From:	<u>10:45</u>	To:	<u>11:09</u>	
Weather:	<u>Sunny</u>				
Observer(s):	<u>Chris B. & Chris J.</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
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	1	2.00%	4.00%		
24	1	2.00%	6.00%		
25	7	14.00%	20.00%		
26	0	0.00%	20.00%		
27	0	0.00%	20.00%		
28	4	8.00%	28.00%		
29	2	4.00%	32.00%		
30	11	22.00%	54.00%		
31	3	6.00%	60.00%		
32	2	4.00%	64.00%		
33	2	4.00%	68.00%		
34	2	4.00%	72.00%		
35	9	18.00%	90.00%		
36	1	2.00%	92.00%		
37	0	0.00%	92.00%		
38	1	2.00%	94.00%		
39	1	2.00%	96.00%		
40	2	4.00%	100.00%		
41	0	0.00%	100.00%		
42	0	0.00%	100.00%		
43	0	0.00%	100.00%		
44	0	0.00%	100.00%		
45	0	0.00%	100.00%		
46	0	0.00%	100.00%		
47	0	0.00%	100.00%		
48	0	0.00%	100.00%		
49	0	0.00%	100.00%		
50	0	0.00%	100.00%		
51	0	0.00%	100.00%		
52	0	0.00%	100.00%		
53	0	0.00%	100.00%		
54	0	0.00%	100.00%		
Totals:	50	100.00%			

Cumulative Frequency Distribution

Frequency Distribution

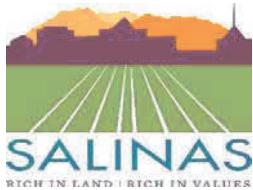


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	North Main Street			Direction: <u>NBD</u>	Comments: <u>No. 128</u>
Between:	<u>Alvin Drive and Boronda Road</u>				
Survey Location:	<u>Between Madrid St/Harden Pkwy & San Juan Grade Rd</u>				
Speed Limit:	<u>35 MPH</u>				
Date:	<u>07/21/22</u>		Day:	<u>Thursday</u>	
Hours:	From:	<u>10:45</u>	To:	<u>11:09</u>	
Weather:	<u>Sunny</u>				
Observer(s):	<u>Chris B. & Chris J.</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%		
11	0	0.00%	0.00%		
12	0	0.00%	0.00%		
13	0	0.00%	0.00%		
14	0	0.00%	0.00%		
15	0	0.00%	0.00%		
16	0	0.00%	0.00%		
17	0	0.00%	0.00%		
18	0	0.00%	0.00%		
19	0	0.00%	0.00%		
20	0	0.00%	0.00%		
21	0	0.00%	0.00%		
22	0	0.00%	0.00%		
23	1	2.00%	2.00%		
24	0	0.00%	2.00%		
25	2	4.00%	6.00%		
26	4	8.00%	14.00%		
27	0	0.00%	14.00%		
28	3	6.00%	20.00%		
29	3	6.00%	26.00%		
30	8	16.00%	42.00%		
31	1	2.00%	44.00%		
32	2	4.00%	48.00%		
33	8	16.00%	64.00%		
34	2	4.00%	68.00%		
35	7	14.00%	82.00%		
36	2	4.00%	86.00%		
37	4	8.00%	94.00%		
38	1	2.00%	96.00%		
39	0	0.00%	96.00%		
40	1	2.00%	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%			

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	North Main Street			Direction: <u>SBD/NBD</u>	Comments: <u>No. 128</u>
Between:	<u>Alvin Drive and Boronda Road</u>				
Survey Location:	<u>Between Madrid St/Harden Pkwy & San Juan Grade Rd</u>				
Speed Limit:	<u>35 MPH</u>				
Date:	<u>07/21/22</u>		Day:	<u>Thursday</u>	
Hours:	From:	<u>10:45</u>	To:	<u>11:09</u>	
Weather:	<u>Sunny</u>				
Observer(s):	<u>Chris B. & Chris J.</u>				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
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	1.00%	1.00%		
23	2	2.00%	3.00%		
24	1	1.00%	4.00%		
25	9	9.00%	13.00%		
26	4	4.00%	17.00%		
27	0	0.00%	17.00%		
28	7	7.00%	24.00%		
29	5	5.00%	29.00%		
30	19	19.00%	48.00%		
31	4	4.00%	52.00%		
32	4	4.00%	56.00%		
33	10	10.00%	66.00%		
34	4	4.00%	70.00%		
35	16	16.00%	86.00%		
36	3	3.00%	89.00%		
37	4	4.00%	93.00%		
38	2	2.00%	95.00%		
39	1	1.00%	96.00%		
40	3	3.00%	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%			

Cumulative Frequency Distribution

Frequency Distribution

1

SPEED SURVEY FIELD SHEET

SITE CODE
128

LOCATION Noah Main St btwn Alvin Dr + Beranda Rd
DATE 7-21-22 DAY Thursday TIME 10:45 TO 11:09
OBSERVER Chris B CALCULATED BY Chris J. WEATHER Sunny

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

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

Number: 1 Author: jonathanh Subject: Text Box Date: 9/26/2022 2:35:42 PM

Number: 2 Author: jonathanh Subject: Text Box Date: 9/26/2022 2:35:36 PM

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

STREET: **EAST ROSSI STREET**
BETWEEN: **N MAIN ST & SHERWOOD DR**
SURVEY DATE: **07/25/2022 (EXPIRES IN 2027)**

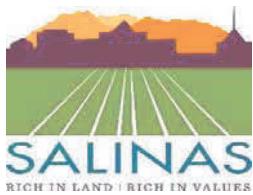
129



COMMENTS:

This segment of Rossi Street is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes fronting residential area, retail, and some industrial area. Speed data collected July 25, 2022 revealed the 85th percentile speed of 36 mph. The 10 mph pace ranges from 27 mph to 36 mph and suggests the 85th percentile falls within this range. Based on the surrounding land use, the 10 mph pace range, and the prevailing speeds rounded down and reduced by 5 mph per MUTCD option 1, the existing posted speed limit of 25 mph should be increased to 30 mph.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 1,150 Feet		
Vertical Alignment	Flat		
Street Width	Varies (60 to 65 Feet)		
No. Lanes and Median	3-Lane Minor Arterial		
Proposed Speed Zone	30 MPH		
85 th Percentile Speed	36 MPH		
Traffic Volume (Date)	10,495 (2022)		
Accident Data (2 years)	0 Collisions (2019-2020)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	0.00 Acc./MVM		
		ALL WAY STOP SIGNAL SPEED LIMIT SIGN CITY LIMITS CROSSWALK SCHOOL CROSSWALK	

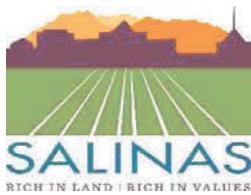


CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	East Rossi Street			Direction: <u>WBD</u>	Comments: No. 129
Between:	North Main Street and Sherwood Drive				
Survey Location:	Between California Street and Bridge Street				
Speed Limit:	25 MPH				
Date:	07/25/22			Day: <u>Monday</u>	
Hours:	From: <u>11:21</u>	To: <u>11:49</u>			
Weather:	Overcast				
Observer(s):	Chris B. & Chris J.				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%	Time Mean Speed: <u>31.8</u> MPH	
11	0	0.00%	0.00%	Sample Variance: <u>24.84</u>	
12	0	0.00%	0.00%	Standard Deviation: <u>5.0</u>	
13	0	0.00%	0.00%	Variance of the Mean: <u>0.4968</u>	
14	0	0.00%	0.00%	Standard Error of the Mean: <u>0.7</u>	
15	0	0.00%	0.00%	10 MPH Pace: <u>27</u> To: <u>36</u> MPH	
16	0	0.00%	0.00%	Percent in Pace: <u>72.0%</u>	
17	0	0.00%	0.00%	Vehicles in Pace: <u>36</u>	
18	0	0.00%	0.00%	50th Percentile Speed: <u>31</u> MPH	
19	0	0.00%	0.00%	85th Percentile Speed: <u>37</u> MPH	
20	0	0.00%	0.00%	90th Percentile Speed: <u>38</u> MPH	
21	1	2.00%	2.00%	95th Percentile Speed: <u>39</u> MPH	
22	0	0.00%	2.00%		
23	1	2.00%	4.00%		
24	0	0.00%	4.00%		
25	1	2.00%	6.00%		
26	3	6.00%	12.00%		
27	4	8.00%	20.00%		
28	6	12.00%	32.00%		
29	0	0.00%	32.00%		
30	8	16.00%	48.00%		
31	3	6.00%	54.00%		
32	1	2.00%	56.00%		
33	5	10.00%	66.00%		
34	2	4.00%	70.00%		
35	2	4.00%	74.00%		
36	5	10.00%	84.00%		
37	1	2.00%	86.00%		
38	3	6.00%	92.00%		
39	2	4.00%	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	2	4.00%	100.00%		
45	0	0.00%	100.00%		
46	0	0.00%	100.00%		
47	0	0.00%	100.00%		
48	0	0.00%	100.00%		
49	0	0.00%	100.00%		
50	0	0.00%	100.00%		
51	0	0.00%	100.00%		
52	0	0.00%	100.00%		
53	0	0.00%	100.00%		
54	0	0.00%	100.00%		
Totals:	50	100.00%			

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	East Rossi Street			Direction: <u>EBD</u>	Comments: No. 129
Between:	North Main Street and Sherwood Drive				
Survey Location:	Between California Street and Bridge Street				
Speed Limit:	25 MPH				
Date:	07/25/22		Day:	Monday	
Hours:	From: 11:21		To:	11:49	
Weather:	Overcast				
Observer(s):	Chris B. & Chris J.				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%		
11	0	0.00%	0.00%		
12	0	0.00%	0.00%		
13	0	0.00%	0.00%		
14	0	0.00%	0.00%		
15	0	0.00%	0.00%		
16	0	0.00%	0.00%		
17	0	0.00%	0.00%		
18	0	0.00%	0.00%		
19	0	0.00%	0.00%		
20	0	0.00%	0.00%		
21	0	0.00%	0.00%		
22	0	0.00%	0.00%		
23	1	2.00%	2.00%		
24	0	0.00%	2.00%		
25	5	10.00%	12.00%		
26	1	2.00%	14.00%		
27	0	0.00%	14.00%		
28	4	8.00%	22.00%		
29	0	0.00%	22.00%		
30	15	30.00%	52.00%		
31	1	2.00%	54.00%		
32	1	2.00%	56.00%		
33	2	4.00%	60.00%		
34	2	4.00%	64.00%		
35	12	24.00%	88.00%		
36	2	4.00%	92.00%		
37	0	0.00%	92.00%		
38	2	4.00%	96.00%		
39	1	2.00%	98.00%		
40	1	2.00%	100.00%		
41	0	0.00%	100.00%		
42	0	0.00%	100.00%		
43	0	0.00%	100.00%		
44	0	0.00%	100.00%		
45	0	0.00%	100.00%		
46	0	0.00%	100.00%		
47	0	0.00%	100.00%		
48	0	0.00%	100.00%		
49	0	0.00%	100.00%		
50	0	0.00%	100.00%		
51	0	0.00%	100.00%		
52	0	0.00%	100.00%		
53	0	0.00%	100.00%		
54	0	0.00%	100.00%		
Totals:	50	100.00%			

Cumulative Frequency Distribution

Frequency Distribution



CITY OF SALINAS
DEPARTMENT OF DEVELOPMENT &
ENGINEERING SERVICES
RADAR SURVEY

Street:	East Rossi Street			Direction: <u>WBD/EBD</u>	Comments: No. 129
Between:	North Main Street and Sherwood Drive				
Survey Location:	Between California Street and Bridge Street				
Speed Limit:	25 MPH				
Date:	07/25/22		Day:	Monday	
Hours:	From: 11:21		To:	11:49	
Weather:	Overcast				
Observer(s):	Chris B. & Chris J.				
MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%	Time Mean Speed: <u>31.7</u> MPH	
11	0	0.00%	0.00%	Sample Variance: <u>20.52</u>	
12	0	0.00%	0.00%	Standard Deviation: <u>4.5</u>	
13	0	0.00%	0.00%	Variance of the Mean: <u>0.2052</u>	
14	0	0.00%	0.00%	Standard Error of the Mean: <u>0.5</u>	
15	0	0.00%	0.00%	10 MPH Pace: <u>27</u> To: <u>36</u> MPH	
16	0	0.00%	0.00%	Percent in Pace: <u>75.0%</u>	
17	0	0.00%	0.00%	Vehicles in Pace: <u>75</u>	
18	0	0.00%	0.00%	50th Percentile Speed: <u>30</u> MPH	
19	0	0.00%	0.00%	85th Percentile Speed: <u>36</u> MPH	
20	0	0.00%	0.00%	90th Percentile Speed: <u>38</u> MPH	
21	1	1.00%	1.00%	95th Percentile Speed: <u>39</u> MPH	
22	0	0.00%	1.00%		
23	2	2.00%	3.00%		
24	0	0.00%	3.00%		
25	6	6.00%	9.00%		
26	4	4.00%	13.00%		
27	4	4.00%	17.00%		
28	10	10.00%	27.00%		
29	0	0.00%	27.00%		
30	23	23.00%	50.00%		
31	4	4.00%	54.00%		
32	2	2.00%	56.00%		
33	7	7.00%	63.00%		
34	4	4.00%	67.00%		
35	14	14.00%	81.00%		
36	7	7.00%	88.00%		
37	1	1.00%	89.00%		
38	5	5.00%	94.00%		
39	3	3.00%	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	2	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:	100	100.00%			

Cumulative Frequency Distribution

Frequency Distribution

1

SPEED SURVEY FIELD SHEET

SITE CODE
129

LOCATION

DATE 7-25-22 DAY Monday

CITY OF SALINAS

129

E. Rossi St b/tun 11 Main St + Showood Dr

DATE 7-25-22 DAY Monday

TIME 11:21 TO

OBSERVER

Chart

CALCULATED BY

WEATHER ~~Forecast~~

Direction:

Direction: **(a)**

Direction:

1300-1301

二

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	XX			
43				
42				
41				
40				
39	XX			
38	XX			
37	XX			
36	XX	XX	XX	
35	XX			
34	XX			
33	XX	XX	XX	
32	XX			
31	XX	XX	XX	
30	XX	XX	XX	XX
29				
28	XX	XX	XX	
27	XX	XX	XX	
26	XX	XX	XX	
25	XX			
24				
23	XX			
22				
21	XX			
20				
19				
18				
17				
16				
15				
14				
13				
12				
11				
10				

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

 Number: 1 Author: jonathanh Subject: Text Box Date: 9/26/2022 2:35:58 PM

 Number: 2 Author: jonathanh Subject: Text Box Date: 9/26/2022 2:36:09 PM
