

City of Salinas

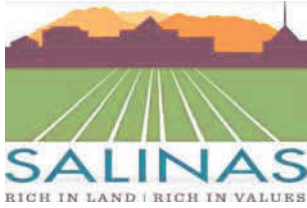
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# 2022 Engineering and Traffic Survey For Speed Limits Technical Report

**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.



  
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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 85<sup>th</sup> percentile speed of 40 mph. The 10 mph pace ranges from 29 mph to 38 mph and suggests the 85<sup>th</sup> 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 85<sup>th</sup> percentile speed of 28 mph. The 10 mph pace ranges from 19 mph to 28 mph and suggests the 85<sup>th</sup> 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 85<sup>th</sup> percentile speed of 34 mph. The 10 mph pace ranges from 23 mph to 32 mph and suggests the 85<sup>th</sup> 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 85<sup>th</sup> percentile speed of 37 mph. The 10 mph pace ranges from 29 mph to 38 mph and suggests the 85<sup>th</sup> 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 85<sup>th</sup> percentile speed of 38 mph. The 10 mph pace ranges from 28 mph to 37 mph and suggests the 85<sup>th</sup> 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 85<sup>th</sup> percentile speed of 39 mph. The 10 mph pace ranges from 29 mph to 38 mph and suggests the 85<sup>th</sup> 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 Western 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 85<sup>th</sup> percentile speed of 50 mph. The 10 mph pace ranges from 37 mph to 46 mph and suggests the 85<sup>th</sup> 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 85<sup>th</sup> percentile speed of 47 mph. The 10 mph pace ranges from 38

mph to 47 mph and suggests the 85<sup>th</sup> 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 85<sup>th</sup> percentile speed of 44 mph. The 10 mph pace ranges from 34 mph to 43 mph and suggests the 85<sup>th</sup> 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 85<sup>th</sup> percentile speed of 38 mph. The 10 mph pace ranges from 30 mph to 39 mph and suggests the 85<sup>th</sup> 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 85<sup>th</sup> percentile speed of 32 mph. The 10 mph pace ranges from 24 mph to 33 mph and suggests the 85<sup>th</sup> 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 85<sup>th</sup> percentile speed of 50 mph. The 10 mph pace ranges from 41 mph to 50 mph and suggests the 85<sup>th</sup> 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 85<sup>th</sup> percentile speed of 46 mph. The 10 mph pace ranges from 38 mph to 47 mph and suggests the 85<sup>th</sup> 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 85<sup>th</sup> percentile speed of 30 mph. The 10 mph pace ranges from 21 mph to 30 mph and suggests the 85<sup>th</sup> 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 85<sup>th</sup> percentile speed of 39 mph. The 10 mph pace ranges from 31 mph to 40 mph and suggests the 85<sup>th</sup> 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 Southernly 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 85<sup>th</sup> percentile speed of 38 mph. The 10 mph pace ranges from 29 mph to 38 mph and suggests the 85<sup>th</sup> 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 85<sup>th</sup> percentile speed of 26 mph. The 10 mph pace ranges from 17 mph to 26 mph and suggests the 85<sup>th</sup> 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 85<sup>th</sup> percentile speed of 30 mph. The 10 mph pace ranges from 21 mph to 30 mph and suggests the 85<sup>th</sup> 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 85<sup>th</sup> percentile speed of 35 mph. The 10 mph pace ranges from 26 mph to 35 mph and suggests the 85<sup>th</sup> 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 85<sup>th</sup> percentile speed of 40 mph. The 10 mph pace ranges from 32 mph to 41 mph and suggests the 85<sup>th</sup> 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 85<sup>th</sup> percentile speed of 31 mph. The 10 mph pace ranges from 22 mph to 31 mph and suggests the 85<sup>th</sup> 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 85<sup>th</sup> percentile speed of 51 mph. The 10 mph pace ranges from 38 mph to 47 mph and suggests the 85<sup>th</sup> 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 85<sup>th</sup> percentile speed of 40 mph. The 10 mph pace ranges from 30 mph to 39 mph and suggests the 85<sup>th</sup> 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 85<sup>th</sup> percentile speed of 38 mph. The 10 mph pace ranges from 29 mph to 38 mph and suggests the 85<sup>th</sup> 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 85<sup>th</sup> percentile speed of 41 mph. The 10 mph pace ranges from 30 mph to 39 mph and suggests the 85<sup>th</sup> 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 85<sup>th</sup> percentile speed of 29 mph. The 10 mph pace ranges from 21 mph to 30 mph and suggests the 85<sup>th</sup> 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 85<sup>th</sup> percentile speed of 41 mph. The 10 mph pace ranges from 28 mph to 37 mph and suggests the 85<sup>th</sup> 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 85<sup>th</sup> percentile speed of 43 mph. The 10 mph pace ranges from 28 mph to 37 mph and suggests 85<sup>th</sup> 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 85<sup>th</sup> percentile speed of 31 mph. The 10 mph pace ranges from 23 mph to 32 mph and suggests the 85<sup>th</sup> 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 85<sup>th</sup> percentile speed of 30 mph. The 10 mph pace ranges from 22 mph to 31 mph and suggests the 85<sup>th</sup> 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 85<sup>th</sup> percentile speed of 28 mph. The 10 mph pace ranges from 19 mph to 28 mph and suggests the 85<sup>th</sup> 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 85<sup>th</sup> percentile speed of 31 mph. The 10 mph pace ranges from 22 mph to 31 mph and suggests the 85<sup>th</sup> 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 85<sup>th</sup> percentile speed of 28 mph. The 10 mph pace ranges from 20 mph to 29 mph and suggests the 85<sup>th</sup> 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 85<sup>th</sup> percentile speed of 30 mph. The 10 mph pace ranges from 21 mph to 30 mph and suggests the 85<sup>th</sup> 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 85<sup>th</sup> percentile speed of 35 mph. The 10 mph pace ranges from 28 mph to 37 mph and suggests the 85<sup>th</sup> 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 85<sup>th</sup> percentile speed of 50 mph. The 10 mph pace ranges from 39 mph to 48 mph and suggests the 85<sup>th</sup> 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 85<sup>th</sup> percentile speed of 28 mph. The 10 mph pace ranges from 19 mph to 28 mph and suggests the 85<sup>th</sup> 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 85<sup>th</sup> percentile speed of 31 mph. The 10 mph pace ranges from 22 mph to 31 mph and suggests the 85<sup>th</sup> 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 85<sup>th</sup> percentile speed of 29 mph. The 10 mph pace ranges from 20 mph to 29 mph and suggests the 85<sup>th</sup> 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 85<sup>th</sup> percentile speed of 29 mph. The 10 mph pace ranges from 18 mph to 27 mph and suggests the 85<sup>th</sup> 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 85<sup>th</sup> percentile speed of 31 mph. The 10 mph pace ranges from 20 mph to 29 mph and suggests the 85<sup>th</sup> 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 85<sup>th</sup> percentile speed of 57 mph. The 10 mph pace ranges from 46 mph to 55 mph and suggests the 85<sup>th</sup> 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 85<sup>th</sup> percentile speed of 34 mph. The 10 mph pace ranges from 25 mph to 34 mph and suggests the 85<sup>th</sup> 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 85<sup>th</sup> percentile speed of 36 mph. The 10 mph pace ranges from 27 mph to 36 mph and suggests the 85<sup>th</sup> 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 <sup>th</sup> -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 Southernly 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 Eastern 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 Western 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 Southern 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)**

**1**



**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		
		ALL-WAY STOP SIGNAL SPEED SIGN CITY LIMITS CROSSWALK SCHOOL CROSSWALK	



# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	Abbott Street	Direction:	SBD	<b>Comments:</b>  <b>No. 1</b>
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:	Friday	
Hours:	From: 11:40	To:	12:00	
Weather:	Overcast			
Observer(s):	Emelio and Zach			

MPH	Frequency	Percent	Cumulative %		<i>Data Analysis:</i>
10	0	0.00%	0.00%		
11	0	0.00%	0.00%		
12	0	0.00%	0.00%		
13	0	0.00%	0.00%		
14	0	0.00%	0.00%		
15	0	0.00%	0.00%		
16	0	0.00%	0.00%		
17	0	0.00%	0.00%		
18	0	0.00%	0.00%		
19	0	0.00%	0.00%		
20	0	0.00%	0.00%		
21	0	0.00%	0.00%		
22	0	0.00%	0.00%		
23	0	0.00%	0.00%		
24	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%			

**Time Mean Speed:** 36.1 **MPH**

**Sample Variance:** 23.92

**Standard Deviation:** 4.9

**Variance of the Mean:** 0.4784

**Standard Error of the Mean:** 0.7

**10 MPH Pace:** 31 **To:** 40 **MPH**

**Percent in Pace:** 74.0%

**Vehicles in Pace:** 37

**50th Percentile Speed:** 36 **MPH**

**85th Percentile Speed:** 42 **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:	Abbott Street	Direction:	NBD	Comments:
Between:	Front Street and Sanborn Road / Blanco Road			No. 1
Survey Location:	Between East Romie Lane and Malarin Street			
Speed Limit:	35 MPH			
Date:	03/04/22	Day:	Friday	
Hours: From:	1140	To:	1200	
Weather:	Overcast			
Observer(s):	Emelio and Zach			

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	0	0.00%	0.00%	
19	0	0.00%	0.00%	
20	0	0.00%	0.00%	
21	0	0.00%	0.00%	
22	0	0.00%	0.00%	
23	0	0.00%	0.00%	
24	1	2.00%	2.00%	
25	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%		

#### Data Analysis:

Time Mean Speed:	32.5	MPH
Sample Variance:	21.40	
Standard Deviation:	4.6	
Variance of the Mean:	0.4280	
Standard Error of the Mean:	0.7	
10 MPH Pace:	26	To: 35 MPH
Percent in Pace:	72.0%	
Vehicles in Pace:	36	
50th Percentile Speed:	32	MPH
85th Percentile Speed:	38	MPH
90th Percentile Speed:	39	MPH
95th Percentile Speed:	40	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution



# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	Abbott Street	Direction:	SBD/NBD	No. 1	Comments:
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:	Friday		
Hours:	From: 1140	To:	1200		
Weather:	Overcast				
Observer(s):	Emelio and Zach				

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	0	0.00%	0.00%	
19	0	0.00%	0.00%	
20	0	0.00%	0.00%	
21	0	0.00%	0.00%	
22	0	0.00%	0.00%	
23	0	0.00%	0.00%	
24	2	2.00%	2.00%	
25	3	3.00%	5.00%	
26	2	2.00%	7.00%	
27	3	3.00%	10.00%	
28	3	3.00%	13.00%	
29	5	5.00%	18.00%	
30	8	8.00%	26.00%	
31	3	3.00%	29.00%	
32	5	5.00%	34.00%	
33	9	9.00%	43.00%	
34	8	8.00%	51.00%	
35	9	9.00%	60.00%	
36	8	8.00%	68.00%	
37	7	7.00%	75.00%	
38	5	5.00%	80.00%	
39	4	4.00%	84.00%	
40	5	5.00%	89.00%	
41	0	0.00%	89.00%	
42	5	5.00%	94.00%	
43	1	1.00%	95.00%	
44	3	3.00%	98.00%	
45	1	1.00%	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%		

#### Data Analysis:

Time Mean Speed:	34.3	MPH
Sample Variance:	25.81	
Standard Deviation:	5.1	
Variance of the Mean:	0.2581	
Standard Error of the Mean:	0.5	
10 MPH Pace:	29	To: 38 MPH
Percent in Pace:	67.0%	
Vehicles in Pace:	67	
50th Percentile Speed:	34	MPH
85th Percentile Speed:	40	MPH
90th Percentile Speed:	42	MPH
95th Percentile Speed:	43	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution

1

2

3

SITE CODE

1

4

## SPEED SURVEY FIELD SHEET

CITY OF SALINAS

LOCATION

Abbott St thru Front St + Sanborn Rd / Blanco Rd

DATE

3/4/2022

DAY

Friday

TIME

11:40

TO

12:00

OBSERVER

Emi

CALCULATED BY

Zach

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

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

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

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Page: 21


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 Number: 1	Author: jonathanh	Subject: Text Box	Date: 9/26/2022 2:15:33 PM
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 Number: 2	Author: jonathanh	Subject: Text Box	Date: 9/26/2022 2:15:03 PM
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 Number: 3	Author: jonathanh	Subject: Text Box	Date: 9/26/2022 2:15:10 PM
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 Number: 4	Author: jonathanh	Subject: Text Box	Date: 9/26/2022 2:15:40 PM
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**CITY OF SALINAS  
TRANSPORTATION & ENGINEERING  
TRAFFIC SURVEY**

STREET: **ABBOTT STREET**  
BETWEEN: **HARKINS RD & EASTERNLY CITY LIMITS**  
SURVEY DATE: **03/04/2022 (EXPIRES IN 2027)**

**2**



**COMMENTS:**

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 rounded to the nearest 5 mph, the existing posted speed limit of 45 mph should be retained.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 6,750 Feet		
Vertical Alignment	Flat		
Street Width	Varies (60 to 90 Feet)		
No. Lanes and Median	4/5-Lane Major Arterial		
Proposed Speed Zone	45 MPH		
85th Percentile Speed	50 MPH		
Traffic Volume (Date)	9,983 (2022)		
Accident Data (2 years)	1 Collision(2019-2020)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	0.11 Acc./MVM		
		ALL-WAY STOP SIGNAL SPEED SIGN CITY LIMITS CROSSWALK SCHOOL CROSSWALK	

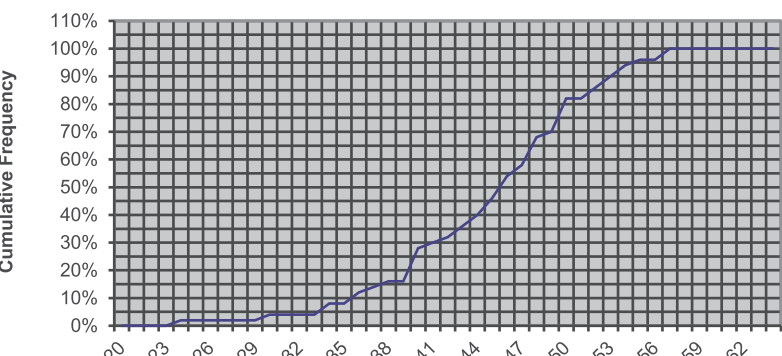


# CITY OF SALINAS

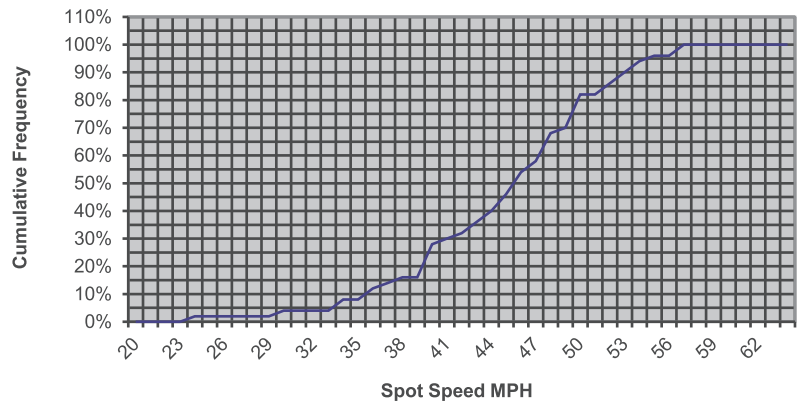
## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

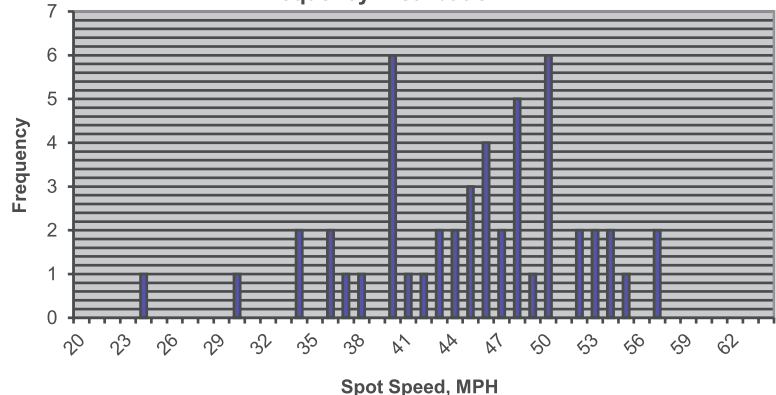
Street:	Abbott Street	Direction:	SBD	No. 2	Comments:
Between:	Harkins Road and City Limits				
Survey Location:	Between Harkins Road and City Limits				
Speed Limit:	45 MPH				
Date:	03/04/22	Day:	Friday		
Hours:	From: 12:04	To:	12:26		
Weather:	Overcast				
Observer(s):	Emelio and Zach				

MPH	Frequency	Percent	Cumulative %	Data Analysis:			
20	0	0.00%	0.00%	<div><div>Time Mean Speed:45.1MPH</div><div>Sample Variance:48.30</div><div>Standard Deviation:6.9</div><div>Variance of the Mean:0.9660</div><div>Standard Error of the Mean:1.0</div><div>10 MPH Pace:40To:49MPH</div><div>Percent in Pace:54.0%</div><div>Vehicles in Pace:27</div><div>50th Percentile Speed:46MPH</div><div>85th Percentile Speed:52MPH</div><div>90th Percentile Speed:53MPH</div><div>95th Percentile Speed:55MPH</div></div>			
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%	<div><div>Cumulative Frequency Distribution</div><div>Cumulative Frequency</div><div>Spot Speed MPH</div></div>			
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

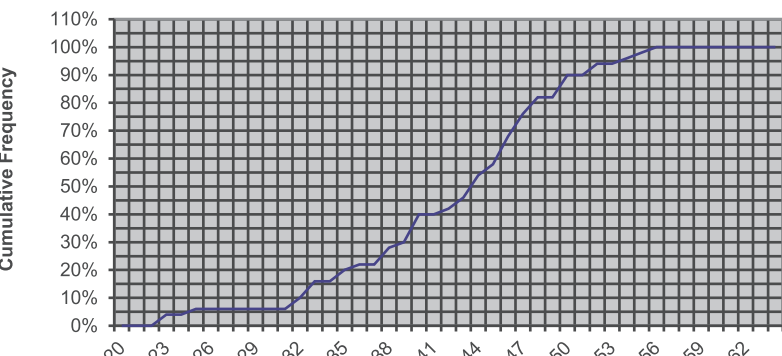
## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

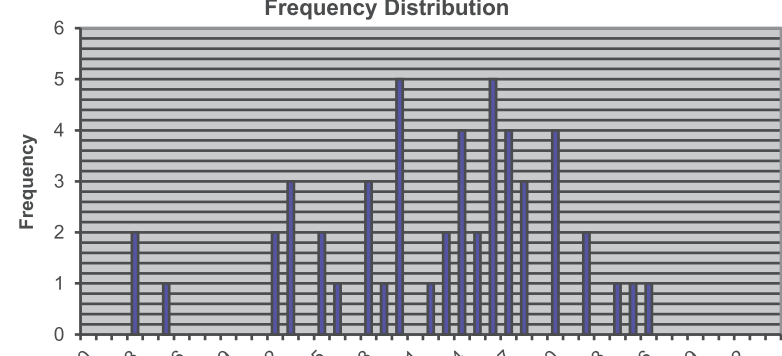
Street:	Abbott Street	Direction:	NBD	No. 2	Comments:
Between:	Harkins Road and City Limits				
Survey Location:	Between Harkins Road and City Limits				
Speed Limit:	45 MPH				
Date:	03/04/22	Day:	Friday		
Hours:	From: 12:04	To:	12:26		
Weather:	Overcast				
Observer(s):	Emelio and Zach				

MPH	Frequency	Percent	Cumulative %	Data Analysis:			
20	0	0.00%	0.00%	<div><div>Time Mean Speed:42.4MPH</div><div>Sample Variance:60.15</div><div>Standard Deviation:7.8</div><div>Variance of the Mean:1.2030</div><div>Standard Error of the Mean:1.1</div><div>10 MPH Pace:38To:47MPH</div><div>Percent in Pace:54.0%</div><div>Vehicles in Pace:27</div><div>50th Percentile Speed:44MPH</div><div>85th Percentile Speed:50MPH</div><div>90th Percentile Speed:51MPH</div><div>95th Percentile Speed:54MPH</div></div>			
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





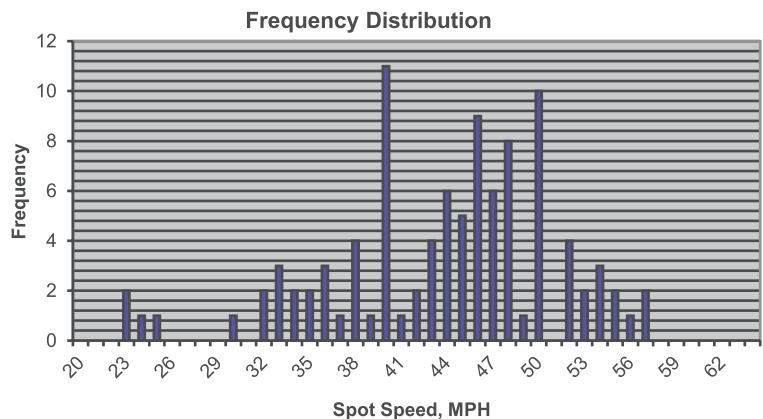
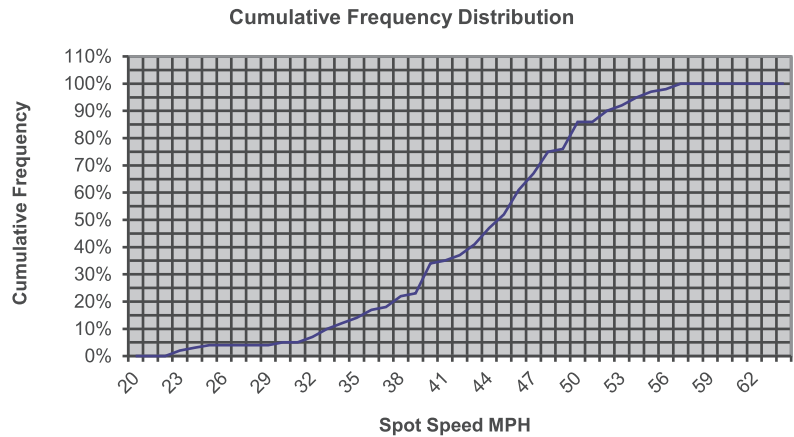
# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	Abbott Street	Direction:	SBD/NBD	No. 2	Comments:
Between:	Harkins Road and City Limits				
Survey Location:	Between Harkins Road and City Limits				
Speed Limit:	45 MPH				
Date:	03/04/22	Day:	Friday		
Hours:	From: 12:04	To:	12:26		
Weather:	Overcast				
Observer(s):	Emelio and Zach				

MPH	Frequency	Percent	Cumulative %	<i>Data Analysis:</i>	
20	0	0.00%	0.00%		
21	0	0.00%	0.00%	<div> Time Mean Speed: 43.7 MPH  Sample Variance: 55.57  Standard Deviation: 7.5  Variance of the Mean: 0.5557  Standard Error of the Mean: 0.7  10 MPH Pace: 39 To: 48 MPH  Percent in Pace: 53.0%  Vehicles in Pace: 53  50th Percentile Speed: 45 MPH  85th Percentile Speed: 50 MPH  90th Percentile Speed: 52 MPH  95th Percentile Speed: 54 MPH </div>	
22	0	0.00%	0.00%		
23	2	2.00%	2.00%		
24	1	1.00%	3.00%		
25	1	1.00%	4.00%		
26	0	0.00%	4.00%		
27	0	0.00%	4.00%		
28	0	0.00%	4.00%		
29	0	0.00%	4.00%		
30	1	1.00%	5.00%		
31	0	0.00%	5.00%		
32	2	2.00%	7.00%		
33	3	3.00%	10.00%		
34	2	2.00%	12.00%		
35	2	2.00%	14.00%		
36	3	3.00%	17.00%		
37	1	1.00%	18.00%		
38	4	4.00%	22.00%		
39	1	1.00%	23.00%		
40	11	11.00%	34.00%		
41	1	1.00%	35.00%		
42	2	2.00%	37.00%		
43	4	4.00%	41.00%		
44	6	6.00%	47.00%		
45	5	5.00%	52.00%		
46	9	9.00%	61.00%		
47	6	6.00%	67.00%		
48	8	8.00%	75.00%		
49	1	1.00%	76.00%		
50	10	10.00%	86.00%		
51	0	0.00%	86.00%		
52	4	4.00%	90.00%		
53	2	2.00%	92.00%		
54	3	3.00%	95.00%		
55	2	2.00%	97.00%		
56	1	1.00%	98.00%		
57	2	2.00%	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:	100	100.00%			





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

Direction: <u>Away South</u>				
MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
66				
65				
64				
63				
62				
61				
60				
59				
58				
57	X	X		
56	X			
55	X			
54	X	X		
53	X	X		
52	X	X		
51				
50	X	X	X	X
49	X			
48	X	X	X	X
47	X	X		
46	X	X	X	
45	X	X	X	
44	X	X		
43	X	X		
42	X			
41	X			
40	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				

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Direction: <u>Oncoming 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	X			
55	X			
54	X			
53				
52	X	X		
51				
50	X	X	X	X
49				
48	X	X	X	
47	X	X	X	
46	X	X	X	X
45	X	X	X	
44	X	X	X	
43	X	X		
42	X			
41				
40	X	X	X	X
39	X			
38	X	X	X	
37				
36	X			
35	X	X		
34				
33	X	X	X	
32	X	X		
31				
30				
29				
28				
27				
26				
25	X			
24				
23	X	X		
22				
21				
20				
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10				

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CITY OF SALINAS  
TRANSPORTATION & ENGINEERING  
TRAFFIC SURVEY








STREET: **ADAMS STREET**  
BETWEEN: **W LAUREL DR & NAVAJO DR**  
SURVEY DATE: **04/19/2022 (EXPIRES IN 2027)**

4



COMMENTS:

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.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 2,900 Feet	<div> ALL WAY STOP</div> <div> SIGNAL</div> <div> SPEED SIGN</div> <div> CITY LIMITS</div> <div> CROSSWALK</div> <div> SCHOOL CROSSWALK</div>	
Vertical Alignment	Flat		
Street Width	Varies (34 to 40 Feet)		
No. Lanes and Median	2-Lane Collector		
Proposed Speed Zone	25 MPH		
85th Percentile Speed	28 MPH		
Traffic Volume (Date)	7,914 (2022)		
Accident Data (2 years)	8 Collisions (2019-2020)		
Street Segment Collision Rate = $\frac{\text{Collisions}}{\text{Years} (365) \text{ (ADT)} \text{ (Length in Miles)}}$	2.52 Acc./MVM		



# CITY OF SALINAS

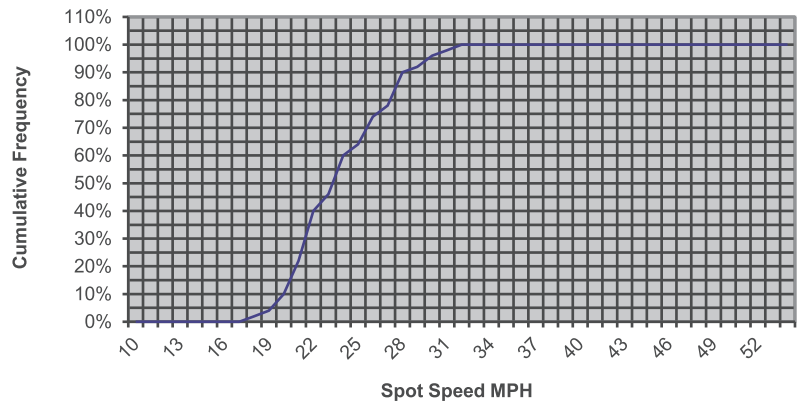
## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

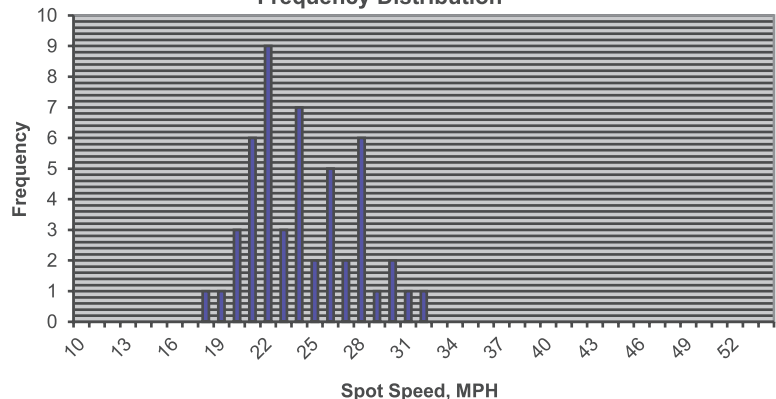
Street:	Adams Street	Direction:	NBD		Comments:
Between:	Laurel Drive and Navajo Drive	No. 4			
Survey Location:	Between Pueblo Street and Navajo Drive				
Speed Limit:	25 MPH				
Date:	04/19/22				
Hours:	From: 12:00	To:	12:36		
Weather:	Sunny				
Observer(s):	Eva and Emi				

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	<b>Data Analysis:</b>
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%	Time Mean Speed: 24.2 MPH
21	6	12.00%	22.00%	Sample Variance: 11.12
22	9	18.00%	40.00%	Standard Deviation: 3.3
23	3	6.00%	46.00%	Variance of the Mean: 0.2224
24	7	14.00%	60.00%	Standard Error of the Mean: 0.5
25	2	4.00%	64.00%	10 MPH Pace: 19 To: 28 MPH
26	5	10.00%	74.00%	Percent in Pace: 88.0%
27	2	4.00%	78.00%	Vehicles in Pace: 44
28	6	12.00%	90.00%	50th Percentile Speed: 24 MPH
29	1	2.00%	92.00%	85th Percentile Speed: 28 MPH
30	2	4.00%	96.00%	90th Percentile Speed: 28 MPH
31	1	2.00%	98.00%	95th Percentile Speed: 30 MPH
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

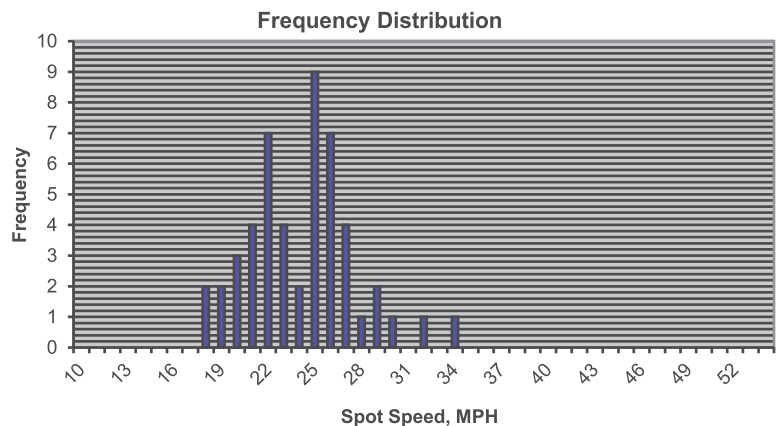
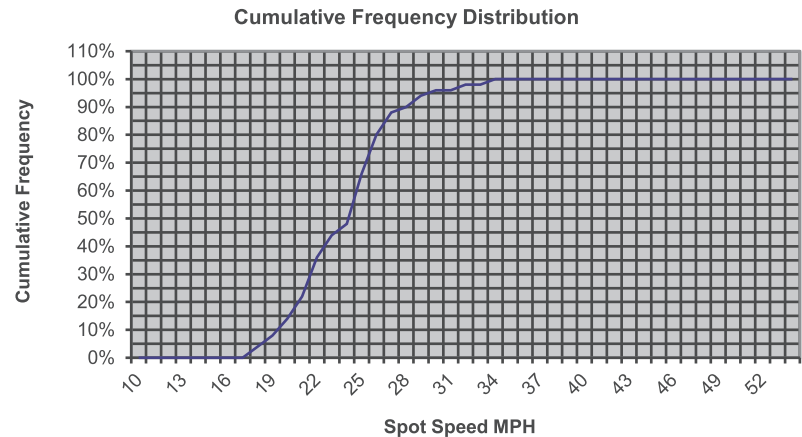
## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	Adams Street	Direction:	SBD	No. 4	Comments:
Between:	Laurel Drive and Navajo Drive				
Survey Location:	Between Pueblo Street and Navajo Drive				
Speed Limit:	25 MPH				
Date:	04/19/22	Day:	Tuesday		
Hours:	From: 12:00	To:	12:36		
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%			
12	0	0.00%	0.00%	Sample Variance: 11.74		
13	0	0.00%	0.00%			
14	0	0.00%	0.00%	Standard Deviation: 3.4		
15	0	0.00%	0.00%			
16	0	0.00%	0.00%	Variance of the Mean: 0.2348		
17	0	0.00%	0.00%			
18	2	4.00%	4.00%	Standard Error of the Mean: 0.5		
19	2	4.00%	8.00%			
20	3	6.00%	14.00%	10 MPH Pace: 18 To: 27 MPH		
21	4	8.00%	22.00%			
22	7	14.00%	36.00%	Percent in Pace: 88.0%		
23	4	8.00%	44.00%			
24	2	4.00%	48.00%	Vehicles in Pace: 44		
25	9	18.00%	66.00%			
26	7	14.00%	80.00%	50th Percentile Speed: 25 MPH		
27	4	8.00%	88.00%			
28	1	2.00%	90.00%	85th Percentile Speed: 27 MPH		
29	2	4.00%	94.00%			
30	1	2.00%	96.00%	90th Percentile Speed: 28 MPH		
31	0	0.00%	96.00%			
32	1	2.00%	98.00%	95th Percentile Speed: 30 MPH		
33	0	0.00%	98.00%			
34	1	2.00%	100.00%			
35	0	0.00%	100.00%			
36	0	0.00%	100.00%			
37	0	0.00%	100.00%			
38	0	0.00%	100.00%			
39	0	0.00%	100.00%			
40	0	0.00%	100.00%			
41	0	0.00%	100.00%			
42	0	0.00%	100.00%			
43	0	0.00%	100.00%			
44	0	0.00%	100.00%			
45	0	0.00%	100.00%			
46	0	0.00%	100.00%			
47	0	0.00%	100.00%			
48	0	0.00%	100.00%			
49	0	0.00%	100.00%			
50	0	0.00%	100.00%			
51	0	0.00%	100.00%			
52	0	0.00%	100.00%			
53	0	0.00%	100.00%			
54	0	0.00%	100.00%			
Totals:	50	100.00%				

#### Data Analysis:





# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	Adams Street	Direction:	NBD/SBD	No. 4	Comments:
Between:	Laurel Drive and Navajo Drive				
Survey Location:	Between Pueblo Street and Navajo Drive				
Speed Limit:	25 MPH				
Date:	04/19/22	Day:	Tuesday		
Hours:	From: 12:00	To:	12:36		
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 To: 28 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%	<div style="text-align: center;">Cumulative Frequency Distribution</div>	
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%		<div style="text-align: center;">Frequency Distribution</div>	

SITE CODE

4

## SPEED SURVEY FIELD SHEET

CITY OF SALINAS

LOCATION

Adams St btwn Laurel Dr + Inca Way

DATE

4/19/22 DAY Tuesday

TIME

12:06 TO 12:36

OBSERVER

EvH

CALCULATED BY

E

WEATHER Sunny

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

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

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**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		
		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:	EBD	Comments:  <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 6</div>
Between:	Sanborn Road and Williams Road			
Survey Location:	Between Eucalyptus Drive and Towt Street			
Speed Limit:	30 MPH			
Date:	02/24/22	Day:	Friday	
Hours: From:	01:37	To:	02:00	
Weather:	Sunny			
Observer(s):	Emelio and Zach			

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	0	0.00%	0.00%	
19	0	0.00%	0.00%	
20	0	0.00%	0.00%	
21	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%		

#### Data Analysis:

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:	WBD	No. 6	Comments:
Between:	Sanborn Road and Williams Road				
Survey Location:	Between Eucalyptus Drive and Towt Street				
Speed Limit:	30 MPH				
Date:	02/24/22	Day:	Friday		
Hours:	From: 01:37	To:	02:00		
Weather:	Sunny				
Observer(s):	Emelio and Zach				

MPH	Frequency	Percent	Cumulative %	<i>Data Analysis:</i>	
10	0	0.00%	0.00%		
11	0	0.00%	0.00%	Time Mean Speed:	30.2 MPH
12	0	0.00%	0.00%	Sample Variance:	16.05
13	0	0.00%	0.00%	Standard Deviation:	4.0
14	0	0.00%	0.00%	Variance of the Mean:	0.3210
15	0	0.00%	0.00%	Standard Error of the Mean:	0.6
16	0	0.00%	0.00%	10 MPH Pace:	26 To: 35 MPH
17	0	0.00%	0.00%	Percent in Pace:	82.0%
18	0	0.00%	0.00%	Vehicles in Pace:	41
19	0	0.00%	0.00%	50th Percentile Speed:	30 MPH
20	1	2.00%	2.00%	85th Percentile Speed:	35 MPH
21	0	0.00%	2.00%	90th Percentile Speed:	35 MPH
22	0	0.00%	2.00%	95th Percentile Speed:	37 MPH
23	0	0.00%	2.00%	Cumulative Frequency Distribution	
24	1	2.00%	4.00%		
25	2	4.00%	8.00%	Frequency Distribution	
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%			



# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	East Alisal Street	Direction:	EBD/WBD	No. 6	Comments:
Between:	Sanborn Road and Williams Road				
Survey Location:	Between Eucalyptus Drive and Towt Street				
Speed Limit:	30 MPH				
Date:	02/24/22	Day:	Friday		
Hours:	From: 01:37	To:	02:00		
Weather:	Sunny				
Observer(s):	Emelio and Zach				

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	0	0.00%	0.00%	
19	0	0.00%	0.00%	
20	1	1.00%	1.00%	
21	3	3.00%	4.00%	
22	3	3.00%	7.00%	
23	3	3.00%	10.00%	
24	4	4.00%	14.00%	
25	6	6.00%	20.00%	
26	12	12.00%	32.00%	
27	10	10.00%	42.00%	
28	5	5.00%	47.00%	
29	9	9.00%	56.00%	
30	11	11.00%	67.00%	
31	3	3.00%	70.00%	
32	12	12.00%	82.00%	
33	2	2.00%	84.00%	
34	4	4.00%	88.00%	
35	5	5.00%	93.00%	
36	3	3.00%	96.00%	
37	2	2.00%	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%		

#### Data Analysis:

Time Mean Speed:	28.9	MPH
Sample Variance:	17.93	
Standard Deviation:	4.2	
Variance of the Mean:	0.1793	
Standard Error of the Mean:	0.4	
10 MPH Pace:	23	To: 32 MPH
Percent in Pace:	75.0%	
Vehicles in Pace:	75	
50th Percentile Speed:	29	MPH
85th Percentile Speed:	34	MPH
90th Percentile Speed:	35	MPH
95th Percentile Speed:	36	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution



## SPEED SURVEY FIELD SHEET

CITY OF SALINAS

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:

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

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

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 Number: 1	Author: jonathanh	Subject: Text Box	Date: 9/26/2022 2:16:42 PM
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 Number: 2	Author: jonathanh	Subject: Text Box	Date: 9/26/2022 2:16:48 PM
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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	<div> ALL WAY STOP</div> <div> SIGNAL</div> <div> SPEED SIGN</div> <div> CITY LIMITS</div> <div> CROSSWALK</div> <div> SCHOOL CROSSWALK</div>	
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		



# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	East Alisal Street	Direction:	EBD	Comments:  <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 7</div>
Between:	Front Street and Sanborn Road			
Survey Location:	Between Wood Street and Pearl Street			
Speed Limit:	30 MPH			
Date:	03/04/22	Day:	Friday	
Hours:	From: 12:42	To:	01:00	
Weather:	Overcast			
Observer(s):	Emelio and Zach			

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	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%		

#### Data Analysis:

Time Mean Speed:	24.2	MPH
Sample Variance:	15.13	
Standard Deviation:	3.9	
Variance of the Mean:	0.3026	
Standard Error of the Mean:	0.6	
10 MPH Pace:	18	To: 27 MPH
Percent in Pace:	82.0%	
Vehicles in Pace:	41	
50th Percentile Speed:	24	MPH
85th Percentile Speed:	28	MPH
90th Percentile Speed:	29	MPH
95th Percentile Speed:	32	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution

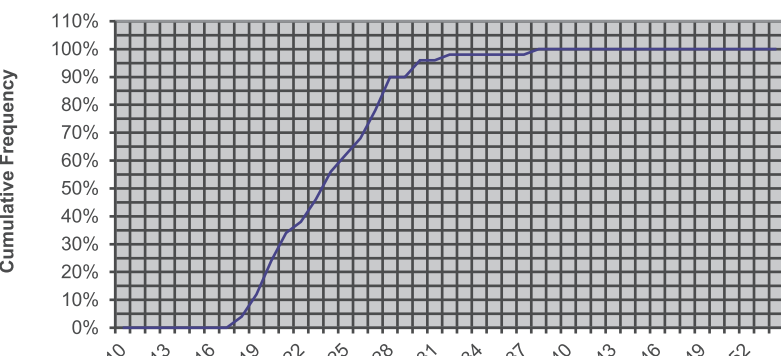
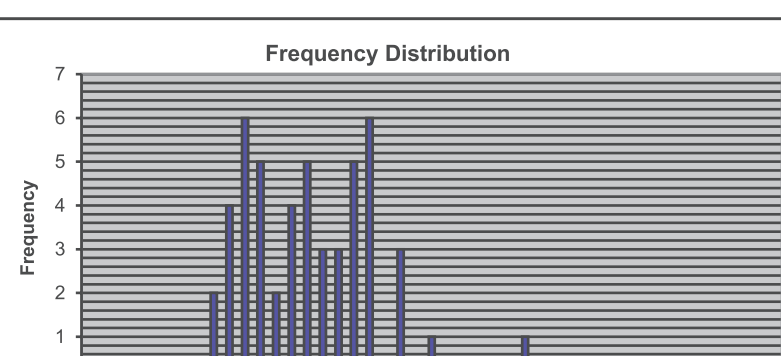


# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	East Alisal Street	Direction:	WBD		
Between:	Front Street and Sanborn Road	No. 7 Comments:			
Survey Location:	Between Wood Street and Pearl Street				
Speed Limit:	30 MPH				
Date:	03/04/22				
Hours:	From: 12:42	To:	01:00		
Weather:	Overcast				
Observer(s):	Emelio and Zach				

MPH	Frequency	Percent	Cumulative %	Data Analysis:				
10	0	0.00%	0.00%	<div><div>Time Mean Speed:</div><div>Sample Variance:</div><div>Standard Deviation:</div><div>Variance of the Mean:</div><div>Standard Error of the Mean:</div><div>10 MPH Pace:</div><div>Percent in Pace:</div><div>Vehicles in Pace:</div><div>50th Percentile Speed:</div><div>85th Percentile Speed:</div><div>90th Percentile Speed:</div><div>95th Percentile Speed:</div></div>	24.2	MPH		
11	0	0.00%	0.00%		17.29			
12	0	0.00%	0.00%		4.2			
13	0	0.00%	0.00%		0.3458			
14	0	0.00%	0.00%		0.6			
15	0	0.00%	0.00%		19	To:	28	MPH
16	0	0.00%	0.00%		86.0%			
17	0	0.00%	0.00%		43			
18	2	4.00%	4.00%		24	MPH		
19	4	8.00%	12.00%		28	MPH		
20	6	12.00%	24.00%	29	MPH			
21	5	10.00%	34.00%	30	MPH			
22	2	4.00%	38.00%	<div><div>Cumulative Frequency Distribution</div></div>				
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%	<div><div>Frequency Distribution</div></div>				
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%						



# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	East Alisal Street	Direction:	EBD/WBD	No. 7	Comments:
Between:	Front Street and Sanborn Road				
Survey Location:	Between Wood Street and Pearl Street				
Speed Limit:	30 MPH				
Date:	03/04/22	Day:	Friday		
Hours:	From: 12:42	To:	01:00		
Weather:	Overcast				
Observer(s):	Emelio and Zach				

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%		

#### Data Analysis:

Time Mean Speed:	24.2	MPH
Sample Variance:	16.05	
Standard Deviation:	4.0	
Variance of the Mean:	0.1605	
Standard Error of the Mean:	0.4	
10 MPH Pace:	19	To: 28 MPH
Percent in Pace:	83.0%	
Vehicles in Pace:	83	
50th Percentile Speed:	24	MPH
85th Percentile Speed:	28	MPH
90th Percentile Speed:	29	MPH
95th Percentile Speed:	31	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution



In front of  
Snapmeet

## SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE

7

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

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	X			
34				
33				
32	X	X		
31	X			
30	X			
29	X	X		
28	X			
27	X	X		
26	X	X	X	X
25	X	X	X	
24	X	X	X	X
23	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				

|||||

|||||

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

|||||

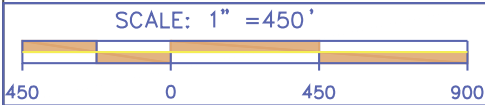
|||||



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








STREET: **WEST ALISAL STREET**  
BETWEEN: **COLLEGE DR & W BLANCO RD**  
SURVEY DATE: **03/02/2022 (EXPIRES IN 2027)**

**8**



**COMMENTS:**

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.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 3,400 Feet	 ALL WAY STOP	
Vertical Alignment	Flat	 SIGNAL	
Street Width	Varies (60 to 66 Feet)	 SPEED SIGN	
No. Lanes and Median	3-Lane Major Arterial	 CITY LIMITS	
Proposed Speed Zone	35 MPH	 CROSSWALK	
85th Percentile Speed	37 MPH	 SCHOOL CROSSWALK	
Traffic Volume (Date)	8,814 (2022)		
Accident Data (2 years)	7 Collisions (2019-2020)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	1.69 Acc./MVM		

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

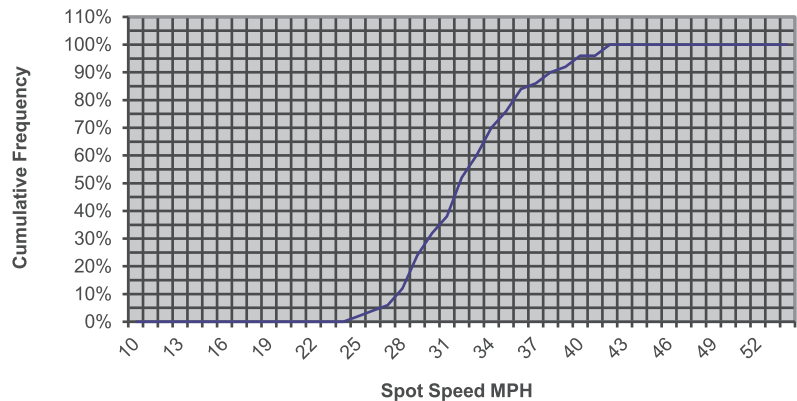
Street:	West Alisal Street		Direction:	WBD	No. 8	Comments:
Between:	College Drive and Blanco Drive					
Survey Location:	Between College Drive and West Acacia					
Speed Limit:	35	MPH				
Date:	03/02/22		Day:	Wednesday		
Hours:	From:	12:00	To:	12:40		
Weather:	Sunny					
Observer(s):	Emileo					

MPH	Frequency	Percent	Cumulative %
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%	

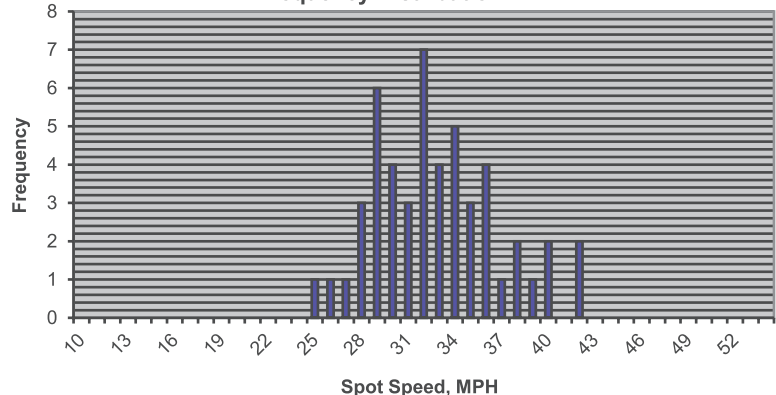
### Data Analysis:

Time Mean Speed:	32.8	MPH
Sample Variance:	16.08	
Standard Deviation:	4.0	
Variance of the Mean:	0.3216	
Standard Error of the Mean:	0.6	
10 MPH Pace:	27	To: 36 MPH
Percent in Pace:	80.0%	
Vehicles in Pace:	40	
50th Percentile Speed:	32	MPH
85th Percentile Speed:	37	MPH
90th Percentile Speed:	38	MPH
95th Percentile Speed:	40	MPH

### Cumulative Frequency Distribution



### Frequency Distribution







# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	West Alisal Street	Direction:	EBD	Comments:  <b>No. 8</b>
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 %	
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%		

#### Data Analysis:

Time Mean Speed:	33.5	MPH
Sample Variance:	10.38	
Standard Deviation:	3.2	
Variance of the Mean:	0.2076	
Standard Error of the Mean:	0.5	
10 MPH Pace:	29	To: 38 MPH
Percent in Pace:	90.0%	
Vehicles in Pace:	45	
50th Percentile Speed:	33	MPH
85th Percentile Speed:	37	MPH
90th Percentile Speed:	38	MPH
95th Percentile Speed:	40	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution





# CITY OF SALINAS

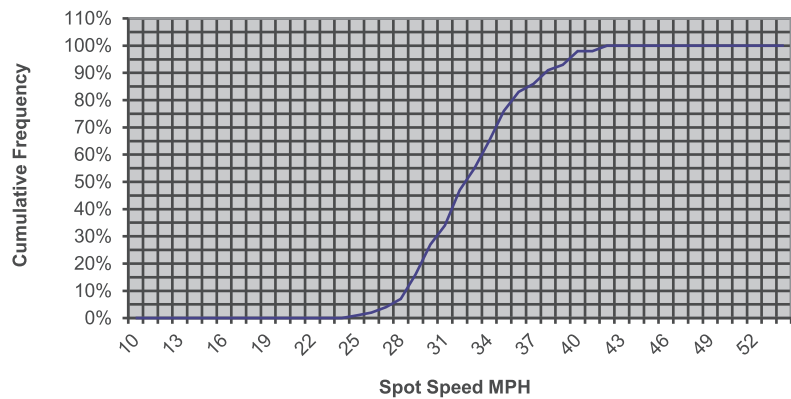
## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

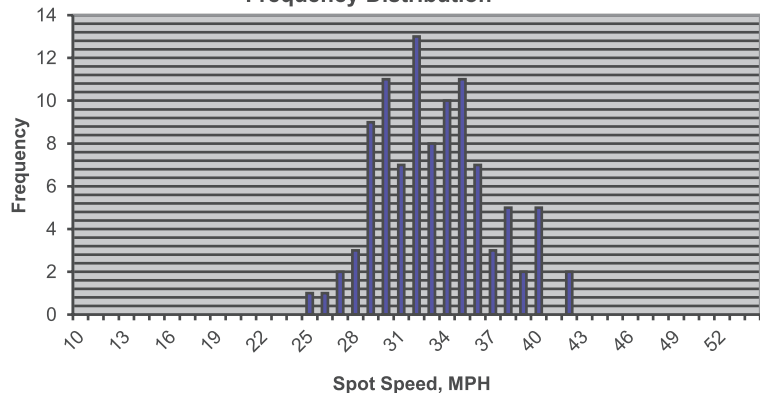
Street:	West Alisal Street	Direction:	WBD/EBD	No. 8	Comments:
Between:	College Drive and Blanco Drive				
Survey Location:	Between College Drive and West Acacia				
Speed Limit:	35 MPH				
Date:	03/02/22	Day:	Wednesday		
Hours:	From: 12:00	To:	12:40		
Weather:	Sunny				
Observer(s):	Emileo				

MPH	Frequency	Percent	Cumulative %	<i>Data Analysis:</i>	
10	0	0.00%	0.00%		
11	0	0.00%	0.00%	<div> Time Mean Speed: 33.2 MPH  Sample Variance: 13.23  Standard Deviation: 3.6  Variance of the Mean: 0.1323  Standard Error of the Mean: 0.4  10 MPH Pace: 29 To: 38 MPH  Percent in Pace: 84.0%  Vehicles in Pace: 84  50th Percentile Speed: 33 MPH  85th Percentile Speed: 37 MPH  90th Percentile Speed: 38 MPH  95th Percentile Speed: 40 MPH </div>	
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 + Blanco Rd

DATE

3/2/2022 DAY Wed

TIME

12:00 TO 12:40

OBSERVER

Emilio

CALCULATED BY

Emilio

WEATHER Sunny

Btwn College Dr &amp; W Alquist

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

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	X	X	X	
39	X	X	X	
38	X	X	X	
37	X	X	X	
36	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	X	X	X	X
27	X	X	X	X
26	X	X	X	X
25	X	X	X	X
24	X	X	X	X
23	X	X	X	X
22	X	X	X	X
21	X	X	X	X
20	X	X	X	X
19	X	X	X	X
18	X	X	X	X
17	X	X	X	X
16	X	X	X	X
15	X	X	X	X
14	X	X	X	X
13	X	X	X	X
12	X	X	X	X
11	X	X	X	X
10	X	X	X	X

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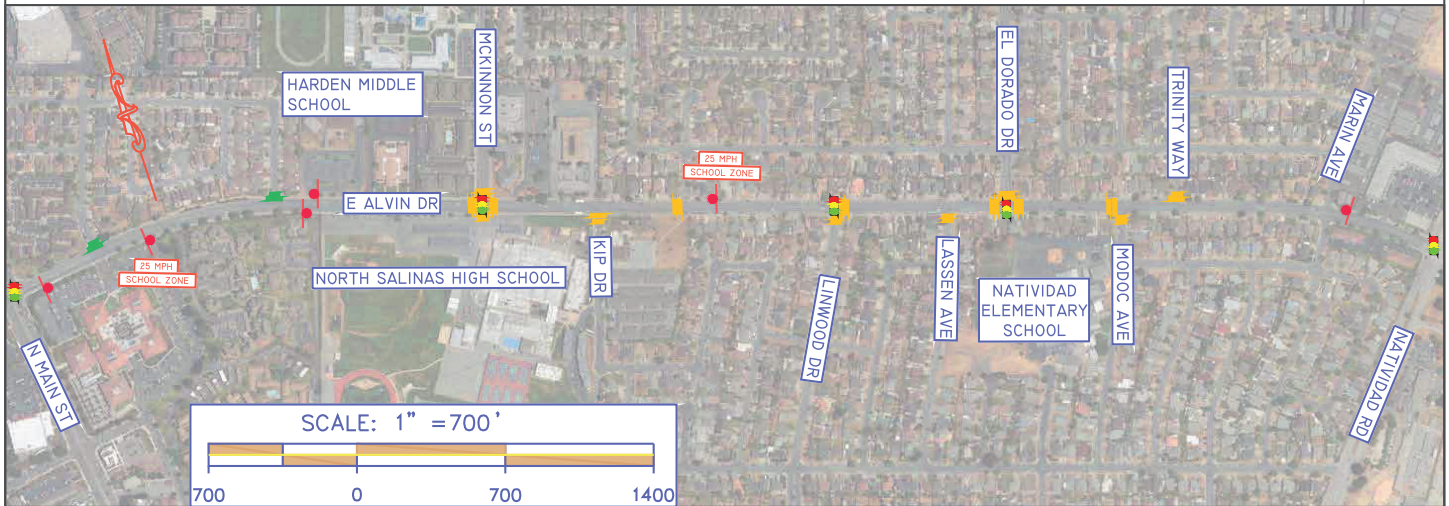
	Number: 2	Author: jonathanh	Subject: Text Box	Date: 9/26/2022 2:17:40 PM
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**CITY OF SALINAS  
TRANSPORTATION & ENGINEERING  
TRAFFIC SURVEY**

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	ALL-WAY STOP	
Street Width	64 FEET	SIGNAL	
No. Lanes and Median	3+-Lane Minor Arterial	SPEED SIGN	
Proposed Speed Zone	35 MPH	CITY LIMITS	
85th Percentile Speed	38 MPH	CROSSWALK	
Traffic Volume (Date)	13,624 (2019)	SCHOOL CROSSWALK	
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:	EBD	Comments:  <b>No. 9</b>
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 %		<i>Data Analysis:</i>
10	0	0.00%	0.00%		
11	0	0.00%	0.00%		
12	0	0.00%	0.00%		
13	0	0.00%	0.00%		
14	0	0.00%	0.00%		
15	0	0.00%	0.00%		
16	0	0.00%	0.00%		
17	0	0.00%	0.00%		
18	0	0.00%	0.00%		
19	1	2.00%	2.00%		
20	0	0.00%	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	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%			

**Time Mean Speed:** 33.6 **MPH**

**Sample Variance:** 28.11

**Standard Deviation:** 5.3

**Variance of the Mean:** 0.5622

**Standard Error of the Mean:** 0.7

**10 MPH Pace:** 27 **To:** 36 **MPH**

**Percent in Pace:** 68.0%

**Vehicles in Pace:** 34

**50th Percentile Speed:** 33 **MPH**

**85th Percentile Speed:** 39 **MPH**

**90th Percentile Speed:** 40 **MPH**

**95th Percentile Speed:** 43 **MPH**

**Cumulative Frequency Distribution**

**Frequency Distribution**





# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	East Alvin Drive	Direction:	WBD	Comments:  <b>No. 9</b>
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 %	
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	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%		

#### Data Analysis:

Time Mean Speed:	31.8	MPH
Sample Variance:	21.99	
Standard Deviation:	4.7	
Variance of the Mean:	0.4398	
Standard Error of the Mean:	0.7	
10 MPH Pace:	28	To: 37 MPH
Percent in Pace:	72.0%	
Vehicles in Pace:	36	
50th Percentile Speed:	32	MPH
85th Percentile Speed:	37	MPH
90th Percentile Speed:	38	MPH
95th Percentile Speed:	39	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution



# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	East Alvin Drive	Direction:	EBD/WBD	No. 9	Comments:
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 %	<i>Data Analysis:</i>
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	0	0.00%	0.00%	
19	1	1.00%	1.00%	
20	0	0.00%	1.00%	
21	0	0.00%	1.00%	
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**

# SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE
9

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				
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: 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				
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				
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18				
17				
16				
15				
14				
13				
12				
11				
10				


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**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		
		ALL WAY STOP SIGNAL SPEED SIGN CITY LIMITS CROSSWALK SCHOOL CROSSWALK	





# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	West Alvin Drive	Direction:	WBD	Comments:
Between:	Cherokee Drive and North Main Street	No. 10		
Survey Location:	Between Alvin Circle and Sepulveda Drive			
Speed Limit:	35 MPH			
Date:	03/22/22			
Hours:	From: 01:00	To:	Tuesday 01:40	
Weather:	Sunny			
Observer(s):	Emileo			

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	<b>Data Analysis:</b>
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	0	0.00%	0.00%	
19	0	0.00%	0.00%	
20	0	0.00%	0.00%	Time Mean Speed: 34.8 MPH
21	1	2.00%	2.00%	Sample Variance: 25.46
22	0	0.00%	2.00%	Standard Deviation: 5.0
23	0	0.00%	2.00%	Variance of the Mean: 0.5092
24	0	0.00%	2.00%	Standard Error of the Mean: 0.7
25	0	0.00%	2.00%	10 MPH Pace: 32 To: 41 MPH
26	2	4.00%	6.00%	Percent in Pace: 68.0%
27	0	0.00%	6.00%	Vehicles in Pace: 34
28	2	4.00%	10.00%	50th Percentile Speed: 34 MPH
29	2	4.00%	14.00%	85th Percentile Speed: 41 MPH
30	2	4.00%	18.00%	90th Percentile Speed: 41 MPH
31	3	6.00%	24.00%	95th Percentile Speed: 43 MPH
32	3	6.00%	30.00%	
33	6	12.00%	42.00%	
34	4	8.00%	50.00%	
35	3	6.00%	56.00%	
36	4	8.00%	64.00%	
37	2	4.00%	68.00%	
38	4	8.00%	76.00%	
39	2	4.00%	80.00%	
40	2	4.00%	84.00%	
41	4	8.00%	92.00%	
42	1	2.00%	94.00%	
43	1	2.00%	96.00%	
44	1	2.00%	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:	West Alvin Drive	Direction:	EBD	Comments:  <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 10</div>
Between:	Cherokee Drive and North Main Street			
Survey Location:	Between Alvin Circle and Sepulveda Drive			
Speed Limit:	35 MPH			
Date:	03/22/22	Day:	Tuesday	
Hours: From:	01:00	To:	01:40	
Weather:	Sunny			
Observer(s):	Emileo			

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	0	0.00%	0.00%	
19	1	2.00%	2.00%	
20	0	0.00%	2.00%	
21	1	2.00%	4.00%	
22	0	0.00%	4.00%	
23	0	0.00%	4.00%	
24	1	2.00%	6.00%	
25	1	2.00%	8.00%	
26	2	4.00%	12.00%	
27	3	6.00%	18.00%	
28	2	4.00%	22.00%	
29	3	6.00%	28.00%	
30	4	8.00%	36.00%	
31	4	8.00%	44.00%	
32	2	4.00%	48.00%	
33	5	10.00%	58.00%	
34	4	8.00%	66.00%	
35	3	6.00%	72.00%	
36	3	6.00%	78.00%	
37	3	6.00%	84.00%	
38	4	8.00%	92.00%	
39	2	4.00%	96.00%	
40	0	0.00%	96.00%	
41	1	2.00%	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%		

#### Data Analysis:

Time Mean Speed:	32.2	MPH
Sample Variance:	25.33	
Standard Deviation:	5.0	
Variance of the Mean:	0.5066	
Standard Error of the Mean:	0.7	
10 MPH Pace:	29	To: 38 MPH
Percent in Pace:	70.0%	
Vehicles in Pace:	35	
50th Percentile Speed:	33	MPH
85th Percentile Speed:	38	MPH
90th Percentile Speed:	38	MPH
95th Percentile Speed:	39	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution



# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	West Alvin Drive	Direction:	WBD/EBD	No. 10	Comments:
Between:	Cherokee Drive and North Main Street				
Survey Location:	Between Alvin Circle and Sepulveda Drive				
Speed Limit:	35 MPH				
Date:	03/22/22	Day:	Tuesday		
Hours:	From: 01:00	To:	01:40		
Weather:	Sunny				
Observer(s):	Emileo				

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	0	0.00%	0.00%	
19	1	1.00%	1.00%	
20	0	0.00%	1.00%	
21	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%		

#### Data Analysis:

Time Mean Speed:	33.5	MPH
Sample Variance:	26.82	
Standard Deviation:	5.2	
Variance of the Mean:	0.2682	
Standard Error of the Mean:	0.5	
10 MPH Pace:	29	To: 38 MPH
Percent in Pace:	68.0%	
Vehicles in Pace:	68	
50th Percentile Speed:	33	MPH
85th Percentile Speed:	39	MPH
90th Percentile Speed:	40	MPH
95th Percentile Speed:	41	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution

SITE CODE  
10

# SPEED SURVEY FIELD SHEET

CITY OF SALINAS

LOCATION West Alvin Dr btwn Cherokee Dr + North Main St

DATE 3/22/22 DAY Tuesday TIME 1:10 TO 1:40

OBSERVER Emilio CALCULATED BY Emilio WEATHER Sunny

2

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

Btwn  
Cherokee  
& Main


|||||  
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|||||

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	Number: 1	Author: jonathanh	Subject: Text Box	Date: 9/26/2022 2:19:19 PM
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	Number: 2	Author: jonathanh	Subject: Text Box	Date: 9/26/2022 2:19:34 PM
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**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	ALL WAY STOP SIGNAL SPEED SIGN CITY LIMITS CROSSWALK SCHOOL CROSSWALK ROUNDABOUT	
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		



# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	<u>Bardin Road</u>	Direction:	<u>SBD</u>	<b>Comments:</b>  <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;">No. 12</div>
Between:	<u>East Alisal Street and Williams Road</u>			
Survey Location:	<u>Between Dennis Avenue and Toro Avenue</u>			
Speed Limit:	<u>35</u> MPH			
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 %	
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%		

#### Data Analysis:

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:	NBD	Comments:
Between:	East Alisal Street and Williams Road	No. 12		
Survey Location:	Between Dennis Avenue and Toro Avenue			
Speed Limit:	35 MPH			
Date:	04/05/22			
Hours:	From: 03:16	To:	03:50	
Weather:	Sunny			
Observer(s):	Emileo and Eva			

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	
11	1	2.00%	2.00%	
12	1	2.00%	4.00%	
13	0	0.00%	4.00%	
14	0	0.00%	4.00%	
15	1	2.00%	6.00%	
16	2	4.00%	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	0	0.00%	12.00%	
22	4	8.00%	20.00%	
23	3	6.00%	26.00%	
24	3	6.00%	32.00%	
25	4	8.00%	40.00%	
26	4	8.00%	48.00%	
27	1	2.00%	50.00%	
28	7	14.00%	64.00%	
29	4	8.00%	72.00%	
30	8	16.00%	88.00%	
31	3	6.00%	94.00%	
32	3	6.00%	100.00%	
33	0	0.00%	100.00%	
34	0	0.00%	100.00%	
35	0	0.00%	100.00%	
36	0	0.00%	100.00%	
37	0	0.00%	100.00%	
38	0	0.00%	100.00%	
39	0	0.00%	100.00%	
40	0	0.00%	100.00%	
41	0	0.00%	100.00%	
42	0	0.00%	100.00%	
43	0	0.00%	100.00%	
44	0	0.00%	100.00%	
45	0	0.00%	100.00%	
46	0	0.00%	100.00%	
47	0	0.00%	100.00%	
48	0	0.00%	100.00%	
49	0	0.00%	100.00%	
50	0	0.00%	100.00%	
51	0	0.00%	100.00%	
52	0	0.00%	100.00%	
53	0	0.00%	100.00%	
54	0	0.00%	100.00%	
Totals:	50	100.00%		

#### Data Analysis:

Time Mean Speed:	25.8	MPH
Sample Variance:	26.59	
Standard Deviation:	5.2	
Variance of the Mean:	0.5318	
Standard Error of the Mean:	0.7	
10 MPH Pace:	22	To: 31 MPH
Percent in Pace:	82.0%	
Vehicles in Pace:	41	
50th Percentile Speed:	27	MPH
85th Percentile Speed:	30	MPH
90th Percentile Speed:	31	MPH
95th Percentile Speed:	32	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution



# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

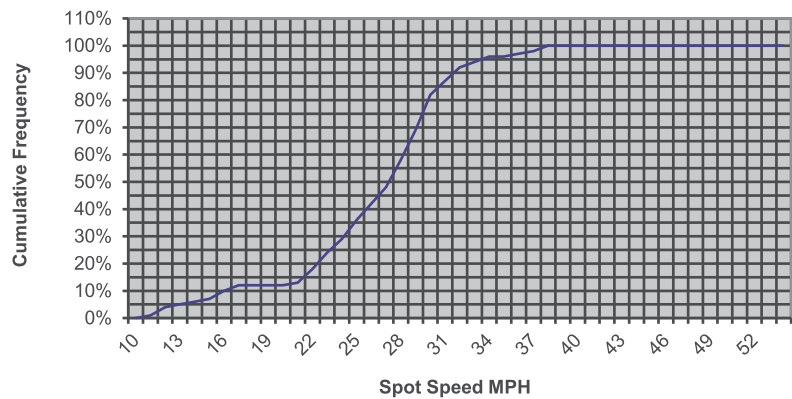
Street:	Bardin Road	Direction:	SBD/NBD	No. 12	Comments:
Between:	East Alisal Street and Williams Road				
Survey Location:	Between Dennis Avenue and Toro Avenue				
Speed Limit:	35 MPH				
Date:	04/05/22	Day:	Tuesday		
Hours:	From: 03:16	To:	03:50		
Weather:	Sunny				
Observer(s):	Emileo and Eva				

MPH	Frequency	Percent	Cumulative %	Data Analysis:			
10	0	0.00%	0.00%	<div>Time Mean Speed: Sample Variance: Standard Deviation: Variance of the Mean: Standard Error of the Mean: 10 MPH Pace: Percent in Pace: Vehicles in Pace: 50th Percentile Speed: 85th Percentile Speed: 90th Percentile Speed: 95th Percentile Speed:</div>	26.4	MPH	<div>To: 31 MPH</div>
11	1	1.00%	1.00%		33.05		
12	3	3.00%	4.00%		5.7		
13	1	1.00%	5.00%		0.3305		
14	1	1.00%	6.00%		0.6		
15	1	1.00%	7.00%				
16	3	3.00%	10.00%				
17	2	2.00%	12.00%				
18	0	0.00%	12.00%				
19	0	0.00%	12.00%				
20	0	0.00%	12.00%				
21	1	1.00%	13.00%				
22	5	5.00%	18.00%				
23	6	6.00%	24.00%				
24	5	5.00%	29.00%				
25	7	7.00%	36.00%				
26	6	6.00%	42.00%				
27	6	6.00%	48.00%				
28	10	10.00%	58.00%				
29	11	11.00%	69.00%				
30	13	13.00%	82.00%				
31	5	5.00%	87.00%				
32	5	5.00%	92.00%				
33	2	2.00%	94.00%				
34	2	2.00%	96.00%				
35	0	0.00%	96.00%				
36	1	1.00%	97.00%				
37	1	1.00%	98.00%				
38	2	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:	100	100.00%					

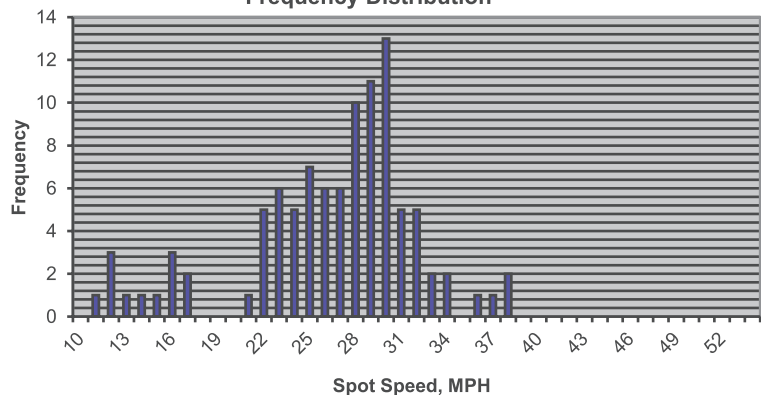
Cumulative Frequency Distribution

Frequency Distribution

Cumulative Frequency Distribution



Frequency Distribution





SITE CODE

12

## SPEED SURVEY FIELD SHEET

CITY OF SALINAS

LOCATION

Bardón Rd btwn East Alisal St + Williams Rd

DATE

4/5/2021

DAY

Tuesday

TIME

3:16

TO

3:50

OBSERVER

~~Angie Southward~~  
Rene 180

CALCULATED BY

Eva

WEATHER

Sunny

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

|||||

|||||

Direction: <u>Oncoming 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	X		
31	X	X		
30	X	X	X	
29	X	X	X	
28	X	X	X	
27	X	X	X	
26	X	X	X	
25	X	X	X	
24	X	X	X	
23	X	X	X	
22	X	X	X	
21	X	X	X	
20				
19				
18				
17	X			
16	X			
15	X			
14				
13				
12	X			
11				
10				

|||||

|||||

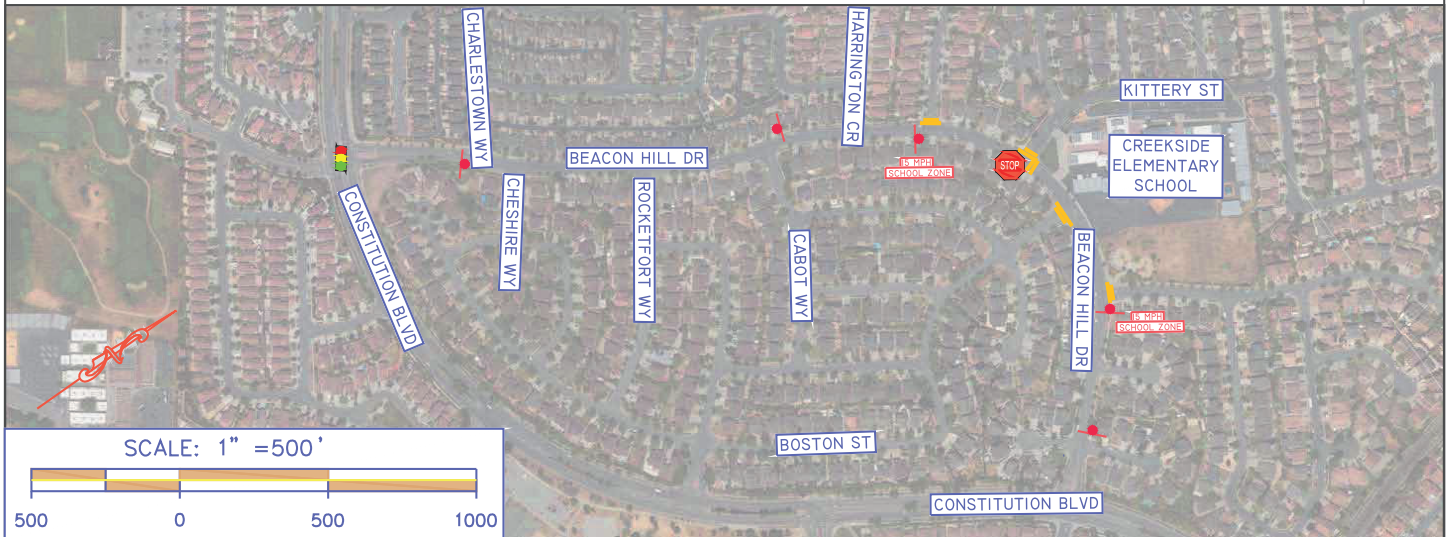




**CITY OF SALINAS  
TRANSPORTATION & ENGINEERING  
TRAFFIC SURVEY**

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: NBD	Comments:
Between:	Constitution Boulevard and Constitution Boulevard		No. 13
Survey Location:	Between Rockport Way and Cabot Way		
Speed Limit:	30 MPH		
Date:	03/21/22	Day: Tuesday	
Hours: From:	03:10	To: 03:30	
Weather:	Overcast		
Observer(s):	Emelio		

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	1	2.00%	2.00%	
15	0	0.00%	2.00%	
16	0	0.00%	2.00%	
17	0	0.00%	2.00%	
18	0	0.00%	2.00%	
19	1	2.00%	4.00%	
20	4	8.00%	12.00%	
21	2	4.00%	16.00%	
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%		

#### Data Analysis:

Time Mean Speed:	25.6	MPH
Sample Variance:	14.01	
Standard Deviation:	3.7	
Variance of the Mean:	0.2802	
Standard Error of the Mean:	0.5	
10 MPH Pace:	20	To: 29 MPH
Percent in Pace:	88.0%	
Vehicles in Pace:	44	
50th Percentile Speed:	26	MPH
85th Percentile Speed:	29	MPH
90th Percentile Speed:	29	MPH
95th Percentile Speed:	31	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution



# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	Beacon Hill Drive	Direction: SBD	Comments:
Between:	Constitution Boulevard and Constitution Boulevard		No. 13
Survey Location:	Between Rockport Way and Cabot Way		
Speed Limit:	30 MPH		
Date:	03/21/22	Day: Tuesday	
Hours: From:	03:10	To: 03:30	
Weather:	Overcast		
Observer(s):	Emelio		

MPH	Frequency	Percent	Cumulative %		<i>Data Analysis:</i>
10	0	0.00%	0.00%		
11	0	0.00%	0.00%		
12	0	0.00%	0.00%		
13	0	0.00%	0.00%		
14	0	0.00%	0.00%		
15	0	0.00%	0.00%		
16	0	0.00%	0.00%		
17	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%			

**Time Mean Speed:** 26.1 MPH

**Sample Variance:** 22.19

**Standard Deviation:** 4.7

**Variance of the Mean:** 0.4438

**Standard Error of the Mean:** 0.7

**10 MPH Pace:** 20 To: 29 MPH

**Percent in Pace:** 72.0%

**Vehicles in Pace:** 36

**50th Percentile Speed:** 27 MPH

**85th Percentile Speed:** 30 MPH

**90th Percentile Speed:** 32 MPH

**95th Percentile Speed:** 34 MPH

**Cumulative Frequency Distribution**

**Frequency Distribution**



# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	Beacon Hill Drive	Direction:	NBD/SBD		Comments:
Between:	Constitution Boulevard and Constitution Boulevard			No. 13	
Survey Location:	Between Rockport Way and Cabot Way				
Speed Limit:	30 MPH				
Date:	03/21/22	Day:	Tuesday		
Hours:	From: 03:10	To:	03:30		
Weather:	Overcast				
Observer(s):	Emelio				

MPH	Frequency	Percent	Cumulative %	Data Analysis:	
10	0	0.00%	0.00%	Time Mean Speed:	25.8 MPH
11	0	0.00%	0.00%	Sample Variance:	17.99
12	0	0.00%	0.00%	Standard Deviation:	4.2
13	0	0.00%	0.00%	Variance of the Mean:	0.1799
14	1	1.00%	1.00%	Standard Error of the Mean:	0.4
15	0	0.00%	1.00%	10 MPH Pace:	20 To: 29 MPH
16	0	0.00%	1.00%	Percent in Pace:	80.0%
17	2	2.00%	3.00%	Vehicles in Pace:	80
18	0	0.00%	3.00%	50th Percentile Speed:	26 MPH
19	2	2.00%	5.00%	85th Percentile Speed:	29 MPH
20	10	10.00%	15.00%	90th Percentile Speed:	31 MPH
21	4	4.00%	19.00%	95th Percentile Speed:	32 MPH
22	4	4.00%	23.00%	<div style="text-align: center;">Cumulative Frequency Distribution</div>	
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%	<div style="text-align: center;">Frequency Distribution</div>	
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%	<div style="text-align: center;">Frequency Distribution</div>	
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%	<div style="text-align: center;">Frequency Distribution</div>	
53	0	0.00%	100.00%		
54	0	0.00%	100.00%		
Totals:	100	100.00%			



SITE CODE

13

## SPEED SURVEY FIELD SHEET

CITY OF SALINAS

LOCATION

Beacon Hill Dr btwn Constitution Blvd + Constitution Blvd

DATE

3/29/22

DAY

Tuesday

TIME

3:16

TO

3:30

OBSERVER

Emilio

CALCULATED BY

Emilio

WEATHER

Overcast

Direction:

Away from

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

Direction:

Oncoming from

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

|||||  
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|||||



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	<div> ALL WAY STOP</div> <div> SIGNAL</div> <div> SPEED SIGN</div> <div> CITY LIMITS</div> <div> CROSSWALK</div> <div> SCHOOL CROSSWALK</div>	
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:	EBD	Comments:  <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 15</div>
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 %	
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%		

#### Data Analysis:

Time Mean Speed:	39.2	MPH
Sample Variance:	62.36	
Standard Deviation:	7.9	
Variance of the Mean:	1.2227	
Standard Error of the Mean:	1.1	
10 MPH Pace:	37	To: 46 MPH
Percent in Pace:	47.1%	
Vehicles in Pace:	24	
50th Percentile Speed:	40	MPH
85th Percentile Speed:	48	MPH
90th Percentile Speed:	50	MPH
95th Percentile Speed:	50	MPH

#### Cumulative Frequency Distribution

Spot Speed MPH

#### Frequency Distribution

Spot Speed, MPH





# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	West Blanco Road	Direction:	WBD	Comments:  <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 15</div>
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 %	
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%		

#### Data Analysis:

Time Mean Speed:	44.7	MPH
Sample Variance:	32.60	
Standard Deviation:	5.7	
Variance of the Mean:	0.6520	
Standard Error of the Mean:	0.8	
10 MPH Pace:	39	To: 48 MPH
Percent in Pace:	62.0%	
Vehicles in Pace:	31	
50th Percentile Speed:	45	MPH
85th Percentile Speed:	50	MPH
90th Percentile Speed:	53	MPH
95th Percentile Speed:	55	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution





# CITY OF SALINAS

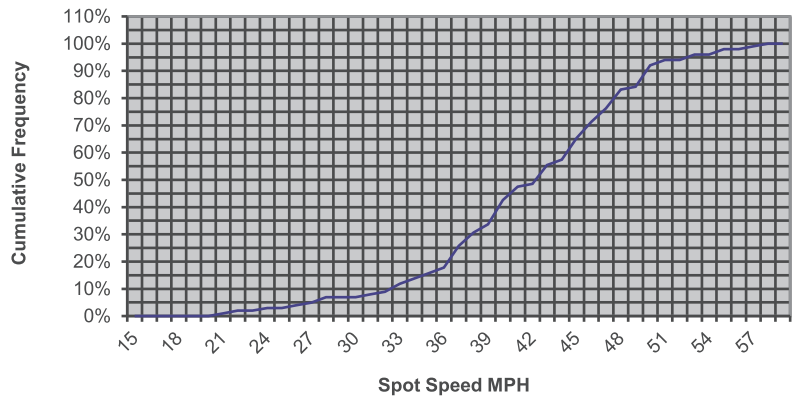
## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

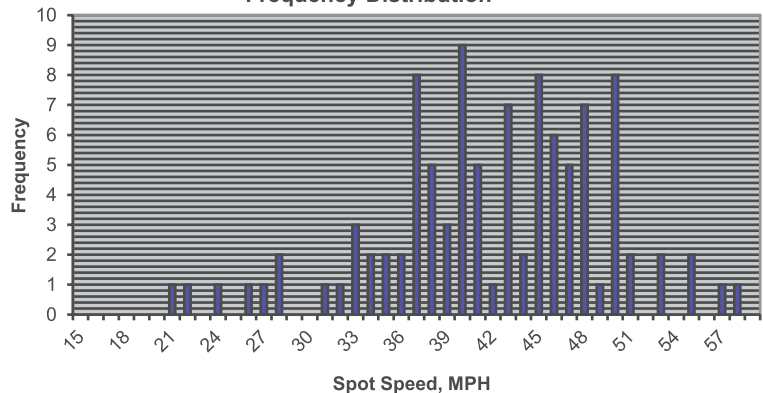
Street:	West Blanco Road	Direction:	EBD/WBD	No. 15	Comments:
Between:	South Main Street and Westerly City Limits				
Survey Location:	Between West Alisal Street and South Davis Road				
Speed Limit:	45 MPH				
Date:	04/26/22	Day:	Tuesday		
Hours:	From: 12:14	To:	01:05		
Weather:	Sunny				
Observer(s):	Emileo and Eva				

MPH	Frequency	Percent	Cumulative %	<i>Data Analysis:</i>	
15	0	0.00%	0.00%		
16	0	0.00%	0.00%	<div> <div>Time Mean Speed:</div><div>41.9</div><div>MPH</div> <div>Sample Variance:</div><div>54.92</div> <div>Standard Deviation:</div><div>7.4</div> <div>Variance of the Mean:</div><div>0.5438</div> <div>Standard Error of the Mean:</div><div>0.7</div> <div>10 MPH Pace:</div><div>37</div><div>To:</div><div>46</div><div>MPH</div> <div>Percent in Pace:</div><div>53.5%</div> <div>Vehicles in Pace:</div><div>54</div> <div>50th Percentile Speed:</div><div>43</div><div>MPH</div> <div>85th Percentile Speed:</div><div>50</div><div>MPH</div> <div>90th Percentile Speed:</div><div>50</div><div>MPH</div> <div>95th Percentile Speed:</div><div>53</div><div>MPH</div> </div>	
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%			

Cumulative Frequency Distribution



Frequency Distribution



SITE CODE

15

## SPEED SURVEY FIELD SHEET

CITY OF SALINAS

LOCATION West Blanco Rd btwn South Main St + Westerly City Limits  
 DATE 4/26/2021 DAY Tuesday TIME 12:14 TO 1:05  
 OBSERVER Emilio CALCULATED 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				
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21				
20				
19				
18				
17				
16				
15				
14				
13				
12				
11				
10				

Direction: Away ~~East~~ 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				
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12				
11				
10				



**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	ALL WAY STOP SIGNAL SPEED SIGN CITY LIMITS CROSSWALK SCHOOL CROSSWALK	





# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	East Boronda Road	Direction:	EBD	Comments:
Between:	North Main Street and Natividad Road			No. 17
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 %	
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	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%		

#### Data Analysis:

Time Mean Speed:	43.7	MPH
Sample Variance:	35.06	
Standard Deviation:	5.9	
Variance of the Mean:	0.7012	
Standard Error of the Mean:	0.8	
10 MPH Pace:	38	To: 47 MPH
Percent in Pace:	72.0%	
Vehicles in Pace:	36	
50th Percentile Speed:	43	MPH
85th Percentile Speed:	49	MPH
90th Percentile Speed:	52	MPH
95th Percentile Speed:	56	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution





# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	East Boronda Road	Direction:	WBD	Comments:  No. 17
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 %	
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	1	2.00%	2.00%	
34	1	2.00%	4.00%	
35	0	0.00%	4.00%	
36	0	0.00%	4.00%	
37	1	2.00%	6.00%	
38	6	12.00%	18.00%	
39	6	12.00%	30.00%	
40	7	14.00%	44.00%	
41	1	2.00%	46.00%	
42	3	6.00%	52.00%	
43	4	8.00%	60.00%	
44	7	14.00%	74.00%	
45	4	8.00%	82.00%	
46	1	2.00%	84.00%	
47	4	8.00%	92.00%	
48	2	4.00%	96.00%	
49	2	4.00%	100.00%	
50	0	0.00%	100.00%	
51	0	0.00%	100.00%	
52	0	0.00%	100.00%	
53	0	0.00%	100.00%	
54	0	0.00%	100.00%	
55	0	0.00%	100.00%	
56	0	0.00%	100.00%	
57	0	0.00%	100.00%	
58	0	0.00%	100.00%	
59	0	0.00%	100.00%	
60	0	0.00%	100.00%	
61	0	0.00%	100.00%	
62	0	0.00%	100.00%	
63	0	0.00%	100.00%	
64	0	0.00%	100.00%	
Totals:	50	100.00%		

#### Data Analysis:

Time Mean Speed:	42.0	MPH
Sample Variance:	14.35	
Standard Deviation:	3.8	
Variance of the Mean:	0.2870	
Standard Error of the Mean:	0.5	
10 MPH Pace:	38	To: 47 MPH
Percent in Pace:	86.0%	
Vehicles in Pace:	43	
50th Percentile Speed:	42	MPH
85th Percentile Speed:	47	MPH
90th Percentile Speed:	47	MPH
95th Percentile Speed:	48	MPH

#### Cumulative Frequency Distribution

Spot Speed MPH

#### Frequency Distribution

Spot Speed, MPH



# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	East Boronda Road	Direction:	EBD/WBD	No. 17	Comments:
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 %	
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%		

#### Data Analysis:

Time Mean Speed:	42.9	MPH
Sample Variance:	25.18	
Standard Deviation:	5.0	
Variance of the Mean:	0.2518	
Standard Error of the Mean:	0.5	
10 MPH Pace:	38	To: 47 MPH
Percent in Pace:	79.0%	
Vehicles in Pace:	79	
50th Percentile Speed:	42	MPH
85th Percentile Speed:	47	MPH
90th Percentile Speed:	49	MPH
95th Percentile Speed:	52	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution

## SPEED SURVEY FIELD SHEET

CITY OF SALINAS

LOCATION

East Buranda Rd btwn N Main St + Natividad Rd

DATE

7-13-22

DAY

Monday

TIME

12:35 TO 12:53

OBSERVER

Chris J

CALCULATED BY

Chris B


WEATHER

Sunny


Direction: <u>East</u>				
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		
48	X	X		
47	X	X		
46	X	X		
45	X	X		
44	X	X		
43	X	X		
42	X	X		
41	X	X		
40	X	X		
39	X	X		
38	X	X		
37	X			
36				
35	X	X		
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				

Direction: <u>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	X	X		
48	X	X		
47	X	X		
46	X	X		
45	X	X		
44	X	X		
43	X	X		
42	X	X		
41	X	X		
40	X	X		
39	X	X		
38	X	X		
37	X			
36				
35				
34	X			
33	X			
32				
31				
30				
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28				
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10				

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 Number: 1	Author: jonathanh	Subject: Text Box	Date: 9/26/2022 2:21:11 PM
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 Number: 2	Author: jonathanh	Subject: Text Box	Date: 9/26/2022 2:21:16 PM
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**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		
		ALL WAY STOP SIGNAL SPEED SIGN CITY LIMITS CROSSWALK SCHOOL CROSSWALK	



# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	Boronda Road	Direction:	EBD	Comments:  <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 18</div>
Between:	Natividad Road and Constitution Boulevard			
Survey Location:	Between Independence Blvd and Hemingway Drive			
Speed Limit:	45 MPH			
Date:	04/19/22	Day:	Tuesday	
Hours: From:	01:00	To:	01:30	
Weather:	Sunny			
Observer(s):	Eva and Emi			

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	0	0.00%	0.00%	
19	0	0.00%	0.00%	
20	0	0.00%	0.00%	
21	0	0.00%	0.00%	
22	0	0.00%	0.00%	
23	0	0.00%	0.00%	
24	0	0.00%	0.00%	
25	0	0.00%	0.00%	
26	0	0.00%	0.00%	
27	0	0.00%	0.00%	
28	0	0.00%	0.00%	
29	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%		

#### Data Analysis:

Time Mean Speed:	39.1	MPH
Sample Variance:	26.31	
Standard Deviation:	5.1	
Variance of the Mean:	0.5262	
Standard Error of the Mean:	0.7	
10 MPH Pace:	33	To: 42 MPH
Percent in Pace:	62.0%	
Vehicles in Pace:	31	
50th Percentile Speed:	38	MPH
85th Percentile Speed:	45	MPH
90th Percentile Speed:	46	MPH
95th Percentile Speed:	48	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution



# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	Boronda Road	Direction:	WBD	Comments:  <b>No. 18</b>
Between:	Natividad Road and Constitution Boulevard			
Survey Location:	Between Independence Blvd and Hemingway Drive			
Speed Limit:	45 MPH			
Date:	04/19/22	Day:	Tuesday	
Hours:	From: 01:00	To:	01:30	
Weather:	Sunny			
Observer(s):	Eva and Emi			

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	0	0.00%	0.00%	
19	0	0.00%	0.00%	
20	0	0.00%	0.00%	
21	0	0.00%	0.00%	
22	0	0.00%	0.00%	
23	0	0.00%	0.00%	
24	0	0.00%	0.00%	
25	0	0.00%	0.00%	
26	0	0.00%	0.00%	
27	1	2.00%	2.00%	
28	0	0.00%	2.00%	
29	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%		

#### Data Analysis:

Time Mean Speed:	36.1	MPH
Sample Variance:	22.86	
Standard Deviation:	4.8	
Variance of the Mean:	0.4572	
Standard Error of the Mean:	0.7	
10 MPH Pace:	29	To: 38 MPH
Percent in Pace:	68.0%	
Vehicles in Pace:	34	
50th Percentile Speed:	35	MPH
85th Percentile Speed:	43	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:	Boronda Road	Direction:	EBD/WBD	No. 18	Comments:
Between:	Natividad Road and Constitution Boulevard				
Survey Location:	Between Independence Blvd and Hemingway Drive				
Speed Limit:	45 MPH				
Date:	04/19/22	Day:	Tuesday		
Hours:	From: 01:00	To:	01:30		
Weather:	Sunny				
Observer(s):	Eva and Emi				

MPH	Frequency	Percent	Cumulative %	<i>Data Analysis:</i>
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	0	0.00%	0.00%	
19	0	0.00%	0.00%	
20	0	0.00%	0.00%	
21	0	0.00%	0.00%	
22	0	0.00%	0.00%	
23	0	0.00%	0.00%	
24	0	0.00%	0.00%	
25	0	0.00%	0.00%	
26	0	0.00%	0.00%	
27	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**

Time Mean Speed: 37.6 MPH

Sample Variance: 26.58

Standard Deviation: 5.2

Variance of the Mean: 0.2658

Standard Error of the Mean: 0.5

10 MPH Pace: 34 To: 43 MPH

Percent in Pace: 62.0%

Vehicles in Pace: 62

50th Percentile Speed: 36 MPH

85th Percentile Speed: 44 MPH

90th Percentile Speed: 44 MPH

95th Percentile Speed: 46 MPH



SITE CODE

18

## SPEED SURVEY FIELD SHEET

CITY OF SALINAS

LOCATION

Boronda Rd btwn Natividad Rd + Constitution Blvd

DATE

4/19/2021

DAY

Tuesday

TIME

1:00

TO

1:30

OBSERVER

Eva H.

CALCULATED BY

Emilio

WEATHER

Sunny

Direction: AWAY E

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

Direction: ONCOMING W

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			
43	X			
42	X			
41	X			
40	X			
39	X			
38	X			
37	X			
36	X			
35	X			
34	X			
33	X			
32	X			
31	X			
30	X			
29	X			
28	X			
27	X			
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12				
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10				



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

STREET: **CASENTINI STREET**  
BETWEEN: **N MAIN ST & RICO ST**  
SURVEY DATE: **03/23/2022 (EXPIRES IN 2027)**

**20**



**COMMENTS:**

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.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 2,350 Feet		
Vertical Alignment	Flat		
Street Width	44 Feet		
No. Lanes and Median	2-Lane Collector		
Proposed Speed Zone	35 MPH		
85th Percentile Speed	38 MPH		
Traffic Volume (Date)	5,244 (2019)		
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		



# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	Casentini Street	Direction:	WBD	Comments:
Between:	North Main Street and Rico Street	No. 20		
Survey Location:	Between North Main Street and Rico Street			
Speed Limit:	35 MPH			
Date:	03/23/22			
Hours:	From: 12:15	To:	Wednesday 01:00	
Weather:	Sunny			
Observer(s):	Emileo			

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	<b>Data Analysis:</b>
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	1	2.00%	6.00%	Time Mean Speed: 31.5 MPH
21	1	2.00%	8.00%	Sample Variance: 33.44
22	0	0.00%	8.00%	Standard Deviation: 5.8
23	0	0.00%	8.00%	Variance of the Mean: 0.6688
24	0	0.00%	8.00%	Standard Error of the Mean: 0.8
25	6	12.00%	20.00%	10 MPH Pace: 25 To: 34 MPH
26	1	2.00%	22.00%	Percent in Pace: 60.0%
27	3	6.00%	28.00%	Percent in Pace: 60.0%
28	0	0.00%	28.00%	Vehicles in Pace: 30
29	2	4.00%	32.00%	50th Percentile Speed: 32 MPH
30	3	6.00%	38.00%	85th Percentile Speed: 37 MPH
31	2	4.00%	42.00%	90th Percentile Speed: 39 MPH
32	4	8.00%	50.00%	95th Percentile Speed: 40 MPH
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:	EBD	Comments:	
Between:	North Main Street and Rico Street			No. 20	
Survey Location:	Between North Main Street and Rico Street				
Speed Limit:	35 MPH				
Date:	03/23/22				
Hours:	From:	12:15	To:	01:00	
Weather:	Sunny				
Observer(s):	Emileo				

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	0	0.00%	0.00%	
19	0	0.00%	0.00%	
20	0	0.00%	0.00%	
21	0	0.00%	0.00%	
22	1	2.00%	2.00%	
23	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%		

#### Data Analysis:

Time Mean Speed:	33.5	MPH
Sample Variance:	27.19	
Standard Deviation:	5.2	
Variance of the Mean:	0.5438	
Standard Error of the Mean:	0.7	
10 MPH Pace:	30	To: 39 MPH
Percent in Pace:	72.0%	
Vehicles in Pace:	36	
50th Percentile Speed:	32	MPH
85th Percentile Speed:	39	MPH
90th Percentile Speed:	39	MPH
95th Percentile Speed:	41	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution

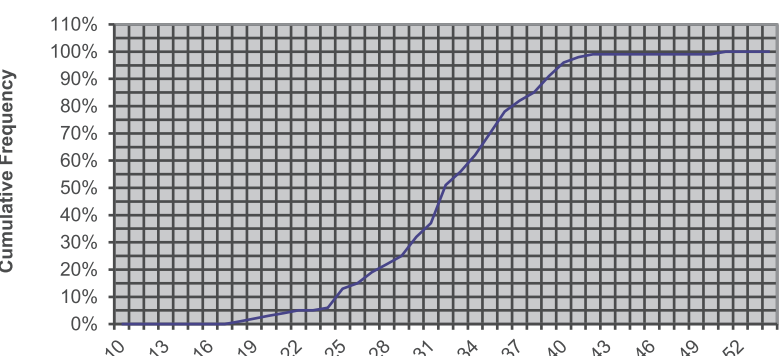
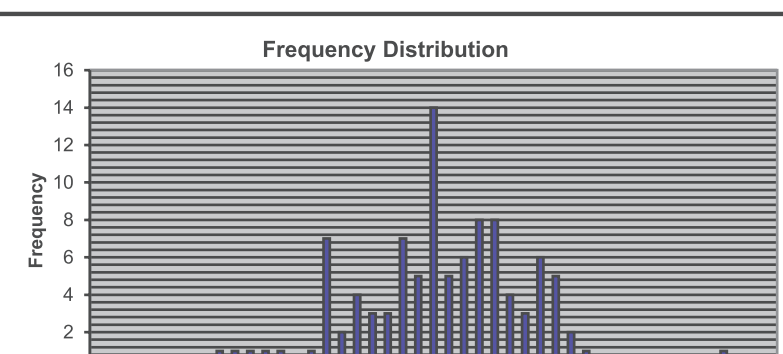


# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	Casentini Street	Direction:	WBD/EBD	No. 20	Comments:
Between:	North Main Street and Rico Street				
Survey Location:	Between North Main Street and Rico Street				
Speed Limit:	35 MPH				
Date:	03/23/22	Day:	Wednesday		
Hours:	From: 12:15	To:	01:00		
Weather:	Sunny				
Observer(s):	Emileo				

MPH	Frequency	Percent	Cumulative %	Data Analysis:			
10	0	0.00%	0.00%	<div>Time Mean Speed: 32.5 MPH</div> <div>Sample Variance: 30.96</div> <div>Standard Deviation: 5.6</div> <div>Variance of the Mean: 0.3096</div> <div>Standard Error of the Mean: 0.6</div> <div>10 MPH Pace: 30 To: 39 MPH</div> <div>Percent in Pace: 66.0%</div> <div>Vehicles in Pace: 66</div> <div>50th Percentile Speed: 32 MPH</div> <div>85th Percentile Speed: 38 MPH</div> <div>90th Percentile Speed: 39 MPH</div> <div>95th Percentile Speed: 40 MPH</div>			
11	0	0.00%	0.00%				
12	0	0.00%	0.00%				
13	0	0.00%	0.00%				
14	0	0.00%	0.00%				
15	0	0.00%	0.00%				
16	0	0.00%	0.00%				
17	0	0.00%	0.00%				
18	1	1.00%	1.00%				
19	1	1.00%	2.00%				
20	1	1.00%	3.00%				
21	1	1.00%	4.00%				
22	1	1.00%	5.00%				
23	0	0.00%	5.00%	<div>Cumulative Frequency Distribution</div> 			
24	1	1.00%	6.00%				
25	7	7.00%	13.00%				
26	2	2.00%	15.00%				
27	4	4.00%	19.00%				
28	3	3.00%	22.00%				
29	3	3.00%	25.00%				
30	7	7.00%	32.00%				
31	5	5.00%	37.00%				
32	14	14.00%	51.00%				
33	5	5.00%	56.00%	<div>Frequency Distribution</div> 			
34	6	6.00%	62.00%				
35	8	8.00%	70.00%				
36	8	8.00%	78.00%				
37	4	4.00%	82.00%				
38	3	3.00%	85.00%				
39	6	6.00%	91.00%				
40	5	5.00%	96.00%				
41	2	2.00%	98.00%				
42	1	1.00%	99.00%				
43	0	0.00%	99.00%				
44	0	0.00%	99.00%				
45	0	0.00%	99.00%				
46	0	0.00%	99.00%				
47	0	0.00%	99.00%				
48	0	0.00%	99.00%				
49	0	0.00%	99.00%				
50	0	0.00%	99.00%				
51	1	1.00%	100.00%				
52	0	0.00%	100.00%				
53	0	0.00%	100.00%				
54	0	0.00%	100.00%				
Totals:	100	100.00%					

SITE CODE  
20

# SPEED SURVEY FIELD SHEET

CITY OF SALINAS

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

|||||

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

|||||





CITY OF SALINAS  
TRANSPORTATION & ENGINEERING  
TRAFFIC SURVEY








STREET: **CENTRAL AVENUE**  
BETWEEN: **VILLA ST & S DAVIS RD**  
SURVEY DATE: **03/29/2022 (EXPIRES IN 2027)**

21



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	 ALL-WAY STOP	
Street Width	51 Feet	 SIGNAL	
No. Lanes and Median	2-Lane Minor Arterial	 SPEED SIGN	
Proposed Speed Zone	25 MPH	 CITY LIMITS	
85th Percentile Speed	29 MPH	 CROSSWALK	
Traffic Volume (Date)	3,269 (2018)	 SCHOOL CROSSWALK	
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		



# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	Central Avenue	Direction:	WBD	No. 21	Comments:
Between:	Villa Street and Davis Road				
Survey Location:	Between University Avenue and Hartnell Street				
Speed Limit:	30 MPH				
Date:	03/29/22	Day:	Tuesday		
Hours: From:	01:20	To:	02:00		
Weather:	Overcast				
Observer(s):	Emelio				

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	2	4.00%	4.00%	
16	0	0.00%	4.00%	
17	0	0.00%	4.00%	
18	2	4.00%	8.00%	
19	4	8.00%	16.00%	
20	2	4.00%	20.00%	
21	1	2.00%	22.00%	
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%		

#### Data Analysis:

Time Mean Speed:	24.8	MPH
Sample Variance:	19.44	
Standard Deviation:	4.4	
Variance of the Mean:	0.3888	
Standard Error of the Mean:	0.6	
10 MPH Pace:	21	To: 30 MPH
Percent in Pace:	72.0%	
Vehicles in Pace:	36	
50th Percentile Speed:	26	MPH
85th Percentile Speed:	29	MPH
90th Percentile Speed:	30	MPH
95th Percentile Speed:	32	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution



# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	Central Avenue	Direction:	EBD	Comments:		
Between:	Villa Street and Davis Road	No. 21				
Survey Location:	Between University Avenue and Hartnell Street					
Speed Limit:	30 MPH					
Date:	03/29/22				Day:	Tuesday
Hours:	From: 01:20				To:	02:00
Weather:	Overcast					
Observer(s):	Emelio					

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	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%		

#### Data Analysis:

Time Mean Speed:	23.6	MPH
Sample Variance:	17.52	
Standard Deviation:	4.2	
Variance of the Mean:	0.3504	
Standard Error of the Mean:	0.6	
10 MPH Pace:	18	To: 27 MPH
Percent in Pace:	80.0%	
Vehicles in Pace:	40	
50th Percentile Speed:	23	MPH
85th Percentile Speed:	27	MPH
90th Percentile Speed:	29	MPH
95th Percentile Speed:	31	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution



# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	Central Avenue	Direction:	WBD/EBD	No. 21	Comments:
Between:	Villa Street and Davis Road				
Survey Location:	Between University Avenue and Hartnell Street				
Speed Limit:	30 MPH				
Date:	03/29/22	Day:	Tuesday		
Hours:	From: 01:20	To:	02:00		
Weather:	Overcast				
Observer(s):	Emelio				

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	4	4.00%	4.00%	
16	0	0.00%	4.00%	
17	2	2.00%	6.00%	
18	4	4.00%	10.00%	
19	6	6.00%	16.00%	
20	7	7.00%	23.00%	
21	4	4.00%	27.00%	
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%		

#### Data Analysis:

Time Mean Speed:	24.2	MPH
Sample Variance:	18.71	
Standard Deviation:	4.3	
Variance of the Mean:	0.1871	
Standard Error of the Mean:	0.4	
10 MPH Pace:	18	To: 27 MPH
Percent in Pace:	74.0%	
Vehicles in Pace:	74	
50th Percentile Speed:	25	MPH
85th Percentile Speed:	29	MPH
90th Percentile Speed:	30	MPH
95th Percentile Speed:	31	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution



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

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

THU THU THU THU THU  
 THU THU THU THU THU

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				
32	X	X		
31	X			
30	X			
29	X	X		
28				
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	X	
20	X	X	X	
19	X	X	X	
18	X	X	X	
17	X	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**



**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	ALL-WAY STOP SIGNAL SPEED SIGN CITY LIMITS CROSSWALK SCHOOL CROSSWALK	
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		



# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	Central Avenue	Direction:	EBD	Comments:
Between:	Villa Street and Salinas Street	No. 22		
Survey Location:	Between Riker Street and West Street			
Speed Limit:	25 MPH			
Date:	04/20/22			
Hours:	From: 12:00	To:	12:55	
Weather:	Sunny			
Observer(s):	Emileo			

MPH	Frequency	Percent	Cumulative %	
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%		

#### Data Analysis:

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:	WBD	Comments:
Between:	Villa Street and Salinas Street	No. 22		
Survey Location:	Between Riker Street and West Street			
Speed Limit:	25 MPH			
Date:	04/20/22			
Hours:	From: 12:00	To:	12:55	
Weather:	Sunny			
Observer(s):	Emileo			

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	1	2.00%	2.00%	
17	2	4.00%	6.00%	
18	1	2.00%	8.00%	
19	0	0.00%	8.00%	
20	3	6.00%	14.00%	
21	4	8.00%	22.00%	
22	1	2.00%	24.00%	
23	1	2.00%	26.00%	
24	3	6.00%	32.00%	
25	2	4.00%	36.00%	
26	4	8.00%	44.00%	
27	4	8.00%	52.00%	
28	5	10.00%	62.00%	
29	4	8.00%	70.00%	
30	3	6.00%	76.00%	
31	4	8.00%	84.00%	
32	1	2.00%	86.00%	
33	3	6.00%	92.00%	
34	1	2.00%	94.00%	
35	1	2.00%	96.00%	
36	1	2.00%	98.00%	
37	0	0.00%	98.00%	
38	1	2.00%	100.00%	
39	0	0.00%	100.00%	
40	0	0.00%	100.00%	
41	0	0.00%	100.00%	
42	0	0.00%	100.00%	
43	0	0.00%	100.00%	
44	0	0.00%	100.00%	
45	0	0.00%	100.00%	
46	0	0.00%	100.00%	
47	0	0.00%	100.00%	
48	0	0.00%	100.00%	
49	0	0.00%	100.00%	
50	0	0.00%	100.00%	
51	0	0.00%	100.00%	
52	0	0.00%	100.00%	
53	0	0.00%	100.00%	
54	0	0.00%	100.00%	
Totals:	50	100.00%		

#### Data Analysis:

Time Mean Speed:	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	No. 22	Comments:
Between:	Villa Street and Salinas Street				
Survey Location:	Between Riker Street and West Street				
Speed Limit:	25 MPH				
Date:	04/20/22	Day:	Wednesday		
Hours:	From: 12:00	To:	12:55		
Weather:	Sunny				
Observer(s):	Emileo				

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%		

#### 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







**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	ALL-WAY STOP	
Street Width	86 Feet	SIGNAL	
No. Lanes and Median	4-Lane Minor Arterial	SPEED SIGN	
Proposed Speed Zone	45 MPH	CITY LIMITS	
85th Percentile Speed	50 MPH	CROSSWALK	
Traffic Volume (Date)	24,805 (2022)	SCHOOL CROSSWALK	
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:	EBD	Comments:  <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 28</div>
Between:	Independence Boulevard and Laurel Drive			
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 %	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	0	0.00%	0.00%	
19	0	0.00%	0.00%	
20	0	0.00%	0.00%	
21	0	0.00%	0.00%	
22	0	0.00%	0.00%	
23	0	0.00%	0.00%	
24	0	0.00%	0.00%	
25	0	0.00%	0.00%	
26	0	0.00%	0.00%	
27	1	2.00%	2.00%	
28	0	0.00%	2.00%	
29	1	2.00%	4.00%	
30	0	0.00%	4.00%	
31	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%		

#### Data Analysis:

Time Mean Speed:	43.3	MPH
Sample Variance:	45.33	
Standard Deviation:	6.7	
Variance of the Mean:	0.9066	
Standard Error of the Mean:	1.0	
10 MPH Pace:	43	To: 52 MPH
Percent in Pace:	58.0%	
Vehicles in Pace:	29	
50th Percentile Speed:	44	MPH
85th Percentile Speed:	50	MPH
90th Percentile Speed:	51	MPH
95th Percentile Speed:	52	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution



# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	Constitution Boulevard	Direction: <u>WBD</u>	Comments:  <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 28</div>
Between:	Independence Boulevard and Laurel Drive		
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%	<div><div>Time Mean Speed:40.6MPH</div><div>Sample Variance:61.01</div><div>Standard Deviation:7.8</div><div>Variance of the Mean:1.2202</div><div>Standard Error of the Mean:1.1</div><div>10 MPH Pace:41To:50MPH</div><div>Percent in Pace:52.0%</div><div>Vehicles in Pace:26</div><div>50th Percentile Speed:41MPH</div><div>85th Percentile Speed:50MPH</div><div>90th Percentile Speed:50MPH</div><div>95th Percentile Speed:50MPH</div></div>			
11	0	0.00%	0.00%				
12	0	0.00%	0.00%				
13	0	0.00%	0.00%				
14	0	0.00%	0.00%				
15	0	0.00%	0.00%				
16	0	0.00%	0.00%				
17	0	0.00%	0.00%				
18	0	0.00%	0.00%				
19	0	0.00%	0.00%				
20	0	0.00%	0.00%				
21	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%					

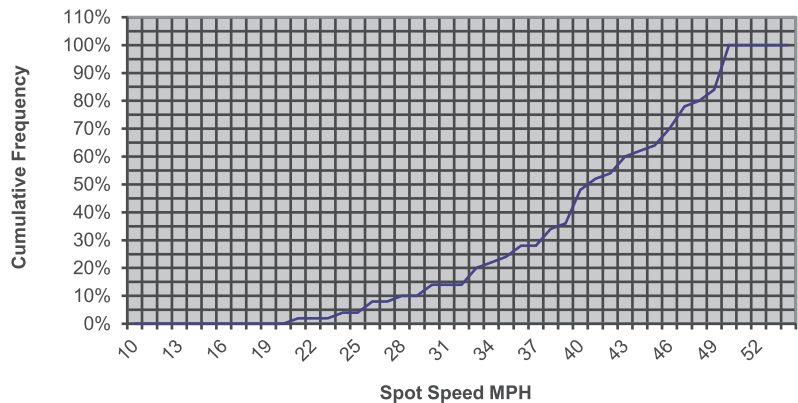
Cumulative Frequency Distribution

Spot Speed MPH	Cumulative Frequency
10	0
11	0
12	0
13	0
14	0
15	0
16	0
17	0
18	0
19	0
20	0
21	2
22	2
23	2
24	4
25	4
26	8
27	8
28	10
29	10
30	14
31	14
32	14
33	20
34	22
35	24
36	28
37	28
38	34
39	36
40	48
41	52
42	54
43	60
44	62
45	64
46	70
47	78
48	80
49	84
50	100
51	100
52	100

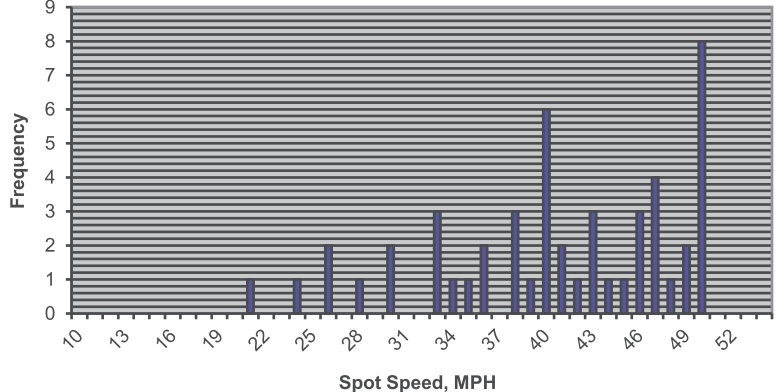
Frequency Distribution

Spot Speed, MPH	Frequency
10	0
11	0
12	0
13	0
14	0
15	0
16	0
17	0
18	0
19	0
20	0
21	1
22	0
23	0
24	0
25	1
26	2
27	0
28	1
29	0
30	2
31	0
32	3
33	1
34	1
35	1
36	0
37	2
38	0
39	3
40	1
41	6
42	2
43	1
44	3
45	1
46	3
47	1
48	4
49	1
50	8
51	2
52	0

Cumulative Frequency Distribution



Frequency Distribution





# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	Constitution Boulevard	Direction:	EBD/WBD	No. 28	Comments:
Between:	Independence Boulevard and Laurel Drive				
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 %	
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%		

#### Data Analysis:

Time Mean Speed:	42.0	MPH
Sample Variance:	54.47	
Standard Deviation:	7.4	
Variance of the Mean:	0.5447	
Standard Error of the Mean:	0.7	
10 MPH Pace:	41	To: 50 MPH
Percent in Pace:	54.0%	
Vehicles in Pace:	54	
50th Percentile Speed:	43	MPH
85th Percentile Speed:	50	MPH
90th Percentile Speed:	50	MPH
95th Percentile Speed:	51	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution



## SPEED SURVEY FIELD SHEET

CITY OF SALINAS

LOCATION Constitution Blvd btwn Independence Blvd + Laurel DrDATE WED 4/20/22 DAY WedTIME 1:15 TO 2:05OBSERVER Emi CALCULATED BY Emi WEATHER sunny

Direction: <u>Away East Side</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	X			
53	X			
52	X	X		
51	X			
50	X	X	X	
49	X	X	X	
48	X			
47	X	X	X	X
46	X	X	X	
45	X			
44	X	X	X	
43	X	X	X	
42	X	X	X	
41	X			
40	X	X	X	
39				
38	X	X		
37	X			
36	X	X		
35				
34	X	X	X	
33				
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				

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Direction: <u>Returning to East Side Hwy at 1st</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	X	X	X	X
49	X	X	X	X
48	X	X	X	X
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	X	X	X	X
31	X	X	X	X
30	X	X	X	X
29	X	X	X	X
28	X	X	X	X
27	X	X	X	X
26	X	X	X	X
25	X	X	X	X
24	X	X	X	X
23	X	X	X	X
22	X	X	X	X
21	X	X	X	X
20	X	X	X	X
19	X	X	X	X
18	X	X	X	X
17	X	X	X	X
16	X	X	X	X
15	X	X	X	X
14	X	X	X	X
13	X	X	X	X
12	X	X	X	X
11	X	X	X	X
10	X	X	X	X

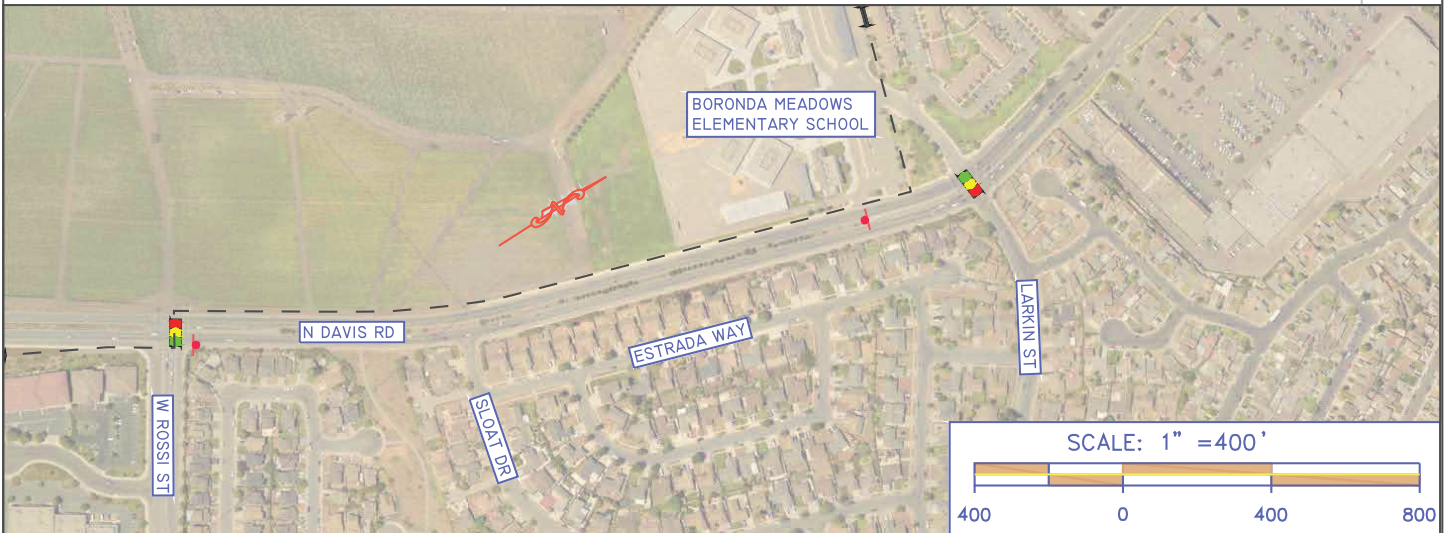
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**CITY OF SALINAS  
TRANSPORTATION & ENGINEERING  
TRAFFIC SURVEY**

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	ALL-WAY STOP	
Street Width	86 Feet	SIGNAL	
No. Lanes and Median	4-Lane Major Arterial	SPEED SIGN	
Proposed Speed Zone	45 MPH	CITY LIMITS	
85th Percentile Speed	46 MPH	CROSSWALK	
Traffic Volume (Date)	23,728 (2022)	SCHOOL CROSSWALK	
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		



# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	North Davis Road	Direction:	NBD	Comments:
Between:	West Rossi Street and Larkin Street			No. 30
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 %	
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%		

#### Data Analysis:

Time Mean Speed:	40.5	MPH
Sample Variance:	11.28	
Standard Deviation:	3.4	
Variance of the Mean:	0.2256	
Standard Error of the Mean:	0.5	
10 MPH Pace:	36	To: 45 MPH
Percent in Pace:	86.0%	
Vehicles in Pace:	43	
50th Percentile Speed:	41	MPH
85th Percentile Speed:	44	MPH
90th Percentile Speed:	45	MPH
95th Percentile Speed:	46	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution





# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	North Davis Road	Direction:	SBD	Comments:  <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 30</div>
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 %	
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%		

#### Data Analysis:

Time Mean Speed:	41.1	MPH
Sample Variance:	23.59	
Standard Deviation:	4.9	
Variance of the Mean:	0.4718	
Standard Error of the Mean:	0.7	
10 MPH Pace:	38	To: 47 MPH
Percent in Pace:	64.0%	
Vehicles in Pace:	32	
50th Percentile Speed:	41	MPH
85th Percentile Speed:	47	MPH
90th Percentile Speed:	47	MPH
95th Percentile Speed:	47	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution



# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	North Davis Road	Direction:	NBD/SBD		Comments:
Between:	West Rossi Street and Larkin Street			No. 30	
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 %	<i>Data Analysis:</i>	
10	0	0.00%	0.00%		
11	0	0.00%	0.00%	Time Mean Speed: 40.8 MPH	
12	0	0.00%	0.00%		
13	0	0.00%	0.00%	Sample Variance: 17.37	
14	0	0.00%	0.00%		
15	0	0.00%	0.00%	Standard Deviation: 4.2	
16	0	0.00%	0.00%		
17	0	0.00%	0.00%	Variance of the Mean: 0.1737	
18	0	0.00%	0.00%		
19	0	0.00%	0.00%	Standard Error of the Mean: 0.4	
20	0	0.00%	0.00%		
21	0	0.00%	0.00%	10 MPH Pace: 38 To: 47 MPH	
22	0	0.00%	0.00%		
23	0	0.00%	0.00%	Percent in Pace: 74.0%	
24	0	0.00%	0.00%		
25	0	0.00%	0.00%	Vehicles in Pace: 74	
26	0	0.00%	0.00%		
27	0	0.00%	0.00%	50th Percentile Speed: 41 MPH	
28	0	0.00%	0.00%		
29	0	0.00%	0.00%	85th Percentile Speed: 46 MPH	
30	0	0.00%	0.00%		
31	0	0.00%	0.00%	90th Percentile Speed: 46 MPH	
32	1	1.00%	1.00%		
33	0	0.00%	1.00%	95th Percentile Speed: 47 MPH	
34	5	5.00%	6.00%		
35	7	7.00%	13.00%	<div> <div>Cumulative Frequency Distribution</div> </div>	
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%	<div> <div>Frequency Distribution</div> </div>	
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%			

SPEED SURVEY FIELD SHEET

CITY OF SALINAS

LOCATION

**Davis Rd between Ross St + Larkin St**

DATE

**7-26-22 DAY Tuesday**

TIME

**11:32 TO 11:55**

OBSERVER

**Eva**

CALCULATED BY

**Chris**

WEATHER

**overcast**

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


Handwritten tally marks for the North direction survey, corresponding to the vehicle counts in the table.

Direction: <b>S</b>	
MPH	Number of Vehicles
	5 10 15 20
70	
69	
68	
67	
66	
65	
64	
63	
62	
61	
60	
59	
58	
57	
56	
55	
54	
53	
52	
51	
50	
49	
48	
47	X X X X X
46	X X X X X
45	X X X X X
44	X X X X X
43	
42	
41	X X X X X
40	X X X X X
39	
38	X X X X X
37	X X X X X
36	X X X X X
35	X X X X X
34	X X X X X
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 2:23:34 PM
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	Number: 2	Author: jonathanh	Subject: Text Box	Date: 9/26/2022 2:23:46 PM
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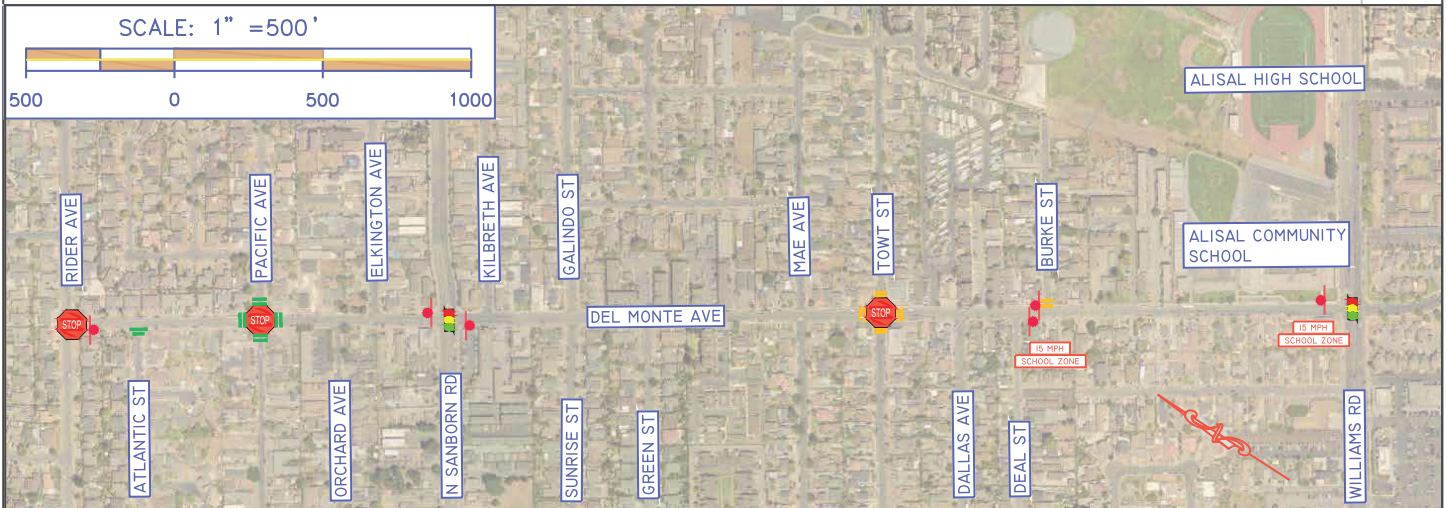
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**CITY OF SALINAS  
TRANSPORTATION & ENGINEERING  
TRAFFIC SURVEY**







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

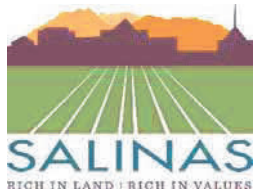
**31**



**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	 ALL-WAY STOP	
Vertical Alignment	Flat	 SIGNAL	
Street Width	44 Feet	 SPEED SIGN	
No. Lanes and Median	2-Lane Minor Arterial	 CITY LIMITS	
Proposed Speed Zone	25 MPH	 CROSSWALK	
85th Percentile Speed	30 MPH	 SCHOOL CROSSWALK	
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		



# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	Del Monte Ave	Direction:	NBD	No. 31	Comments:
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 %	
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	1	2.00%	6.00%	
17	1	2.00%	8.00%	
18	1	2.00%	10.00%	
19	1	2.00%	12.00%	
20	3	6.00%	18.00%	
21	0	0.00%	18.00%	
22	4	8.00%	26.00%	
23	3	6.00%	32.00%	
24	5	10.00%	42.00%	
25	7	14.00%	56.00%	
26	3	6.00%	62.00%	
27	4	8.00%	70.00%	
28	4	8.00%	78.00%	
29	1	2.00%	80.00%	
30	4	8.00%	88.00%	
31	0	0.00%	88.00%	
32	1	2.00%	90.00%	
33	0	0.00%	90.00%	
34	1	2.00%	92.00%	
35	2	4.00%	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%		

#### Data Analysis:

Time Mean Speed:	25.5	MPH
Sample Variance:	29.56	
Standard Deviation:	5.4	
Variance of the Mean:	0.5912	
Standard Error of the Mean:	0.8	
10 MPH Pace:	21	To: 30 MPH
Percent in Pace:	70.0%	
Vehicles in Pace:	35	
50th Percentile Speed:	25	MPH
85th Percentile Speed:	30	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:	Del Monte Ave	Direction:	SBD	No. 31	Comments:
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:	29.72	
12	0	0.00%	0.00%	Standard Deviation:	5.5	
13	0	0.00%	0.00%	Variance of the Mean:	0.5944	
14	1	2.00%	2.00%	Standard Error of the Mean:	0.8	
15	1	2.00%	4.00%	10 MPH Pace:	21	To: 30 MPH
16	1	2.00%	6.00%	Percent in Pace:	72.0%	
17	0	0.00%	6.00%	Vehicles in Pace:	36	
18	1	2.00%	8.00%	50th Percentile Speed:	25	MPH
19	0	0.00%	8.00%	85th Percentile Speed:	31	MPH
20	2	4.00%	12.00%	90th Percentile Speed:	31	MPH
21	3	6.00%	18.00%	95th Percentile Speed:	34	MPH
22	5	10.00%	28.00%	<div style="text-align: center;">Cumulative Frequency Distribution</div>		
23	4	8.00%	36.00%			
24	4	8.00%	44.00%			
25	3	6.00%	50.00%			
26	7	14.00%	64.00%			
27	5	10.00%	74.00%			
28	1	2.00%	76.00%			
29	1	2.00%	78.00%			
30	3	6.00%	84.00%			
31	3	6.00%	90.00%			
32	2	4.00%	94.00%	<div style="text-align: center;">Frequency Distribution</div>		
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	0	0.00%	98.00%			
38	0	0.00%	98.00%			
39	0	0.00%	98.00%			
40	0	0.00%	98.00%			
41	0	0.00%	98.00%			
42	0	0.00%	98.00%			
43	0	0.00%	98.00%			
44	0	0.00%	98.00%			
45	0	0.00%	98.00%			
46	1	2.00%	100.00%			
47	0	0.00%	100.00%			
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:	Del Monte Ave	Direction:	NBD/SBD	No. 31	Comments:
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 %	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	1	1.00%	1.00%	
15	3	3.00%	4.00%	
16	2	2.00%	6.00%	
17	1	1.00%	7.00%	
18	2	2.00%	9.00%	
19	1	1.00%	10.00%	
20	5	5.00%	15.00%	
21	3	3.00%	18.00%	
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%		

#### Data Analysis:

Time Mean Speed:	25.5	MPH
Sample Variance:	29.34	
Standard Deviation:	5.4	
Variance of the Mean:	0.2934	
Standard Error of the Mean:	0.5	
10 MPH Pace:	21	To: 30 MPH
Percent in Pace:	71.0%	
Vehicles in Pace:	71	
50th Percentile Speed:	25	MPH
85th Percentile Speed:	30	MPH
90th Percentile Speed:	32	MPH
95th Percentile Speed:	35	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution







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

STREET: **FREEDOM PARKWAY**  
BETWEEN: **CONSTITUTION BLVD & WILLIAMS RD**  
SURVEY DATE: **06/02/2022 (EXPIRES IN 2027)**

**32**



**COMMENTS:**

This segment of Freedom Parkway is classified as a minor arterial in the City of Salinas General Plan. The surrounding land use includes backing residential homes, 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.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 6,800 Feet		
Vertical Alignment	Flat		
Street Width	82 Feet		
No. Lanes and Median	4 -Lane Minor Arterial		
Proposed Speed Zone	35 MPH		
85th Percentile Speed	39 MPH		
Traffic Volume (Date)	8,535 (2019)		
Accident Data (2 years)	18 Collisions (2019-2020)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	2.24 Acc./MVM		
		ALL-WAY STOP SIGNAL SPEED SIGN CITY LIMITS CROSSWALK SCHOOL CROSSWALK	





# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	Freedom Parkway	Direction:	SBD	Comments:  <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 32</div>
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 %	
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%		

#### Data Analysis:

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: NBD	Comments:
Between:	Constitution Boulevard and Williams Road		No. 32
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 %	
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%		

#### Data Analysis:

Time Mean Speed:	36.6	MPH
Sample Variance:	29.83	
Standard Deviation:	5.5	
Variance of the Mean:	0.5966	
Standard Error of the Mean:	0.8	
10 MPH Pace:	31	To: 40 MPH
Percent in Pace:	78.0%	
Vehicles in Pace:	39	
50th Percentile Speed:	36	MPH
85th Percentile Speed:	40	MPH
90th Percentile Speed:	41	MPH
95th Percentile Speed:	48	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution



# CITY OF SALINAS

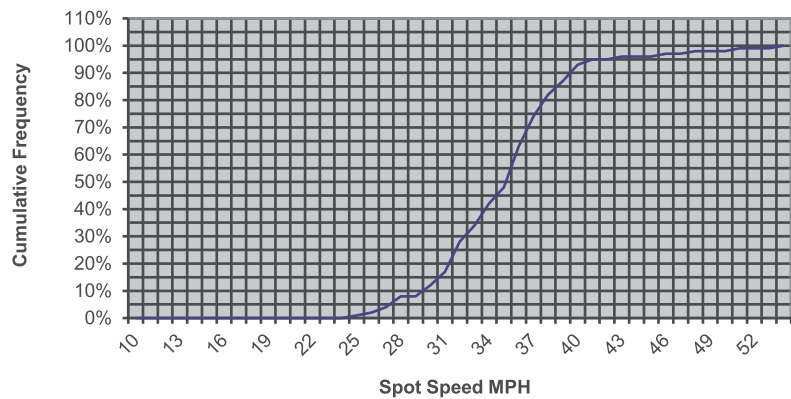
## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

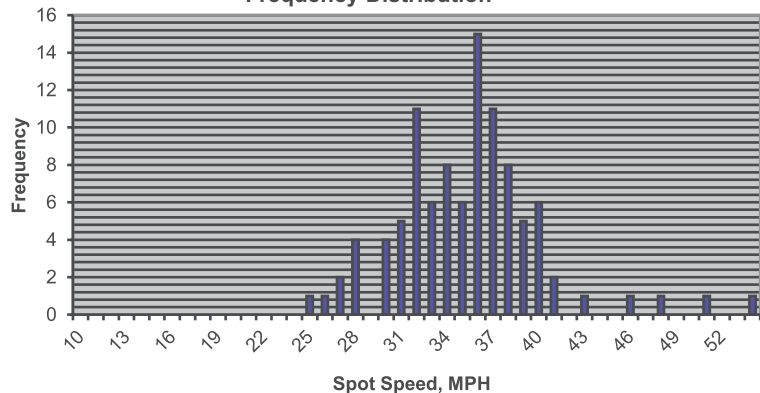
Street:	Freedom Parkway	Direction:	SBD/NBD	Comments:	
Between:	Constitution Boulevard and Williams Road			No. 32	
Survey Location:	Between Rider Avenue and Bernardo Avenue				
Speed Limit:	35 MPH				
Date:	06/02/22				
Hours:	From:	02:32	To:	03:20	
Weather:	Sunny				
Observer(s):	Emi and Eva				

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	<b>Data Analysis:</b>
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	0	0.00%	0.00%	
19	0	0.00%	0.00%	
20	0	0.00%	0.00%	Time Mean Speed: 35.3 MPH
21	0	0.00%	0.00%	Sample Variance: 22.31
22	0	0.00%	0.00%	Standard Deviation: 4.7
23	0	0.00%	0.00%	Variance of the Mean: 0.2231
24	0	0.00%	0.00%	Standard Error of the Mean: 0.5
25	1	1.00%	1.00%	10 MPH Pace: 31 To: 40 MPH
26	1	1.00%	2.00%	Percent in Pace: 81.0%
27	2	2.00%	4.00%	Vehicles in Pace: 81
28	4	4.00%	8.00%	50th Percentile Speed: 36 MPH
29	0	0.00%	8.00%	85th Percentile Speed: 39 MPH
30	4	4.00%	12.00%	90th Percentile Speed: 40 MPH
31	5	5.00%	17.00%	95th Percentile Speed: 42 MPH
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



## SPEED SURVEY FIELD SHEET

CITY OF SALINAS

LOCATION Freedom Hwy btwn Constitution Blvd + Williams RdDATE 6/2/2022 DAY Thursday TIME 2:32 TO 3:20OBSERVER Emi CALCULATED BY Eva WEATHER Sunny

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	X			
42				
41				
40	X	X		
39	X			
38	X	X		
37	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		
27				
26	X			
25				
24				
23				
22				
21				
20				
19				
18				
17				
16				
15				
14				
13				
12				
11				
10				

Direction: ~~South~~ North Away


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

IIII IIII  
 IIII IIII  
 IIII IIII  
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 IIII IIII

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	Number: 1	Author: jonathanh	Subject: Text Box	Date: 9/26/2022 2:24:36 PM
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	Number: 2	Author: jonathanh	Subject: Text Box	Date: 9/26/2022 2:24:29 PM
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**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	ALL WAY 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:
Between:	Hansen Street/Schilling Place and Southernly City Limit	No. 35			
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):	Emileo				

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	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%		

#### Data Analysis:

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

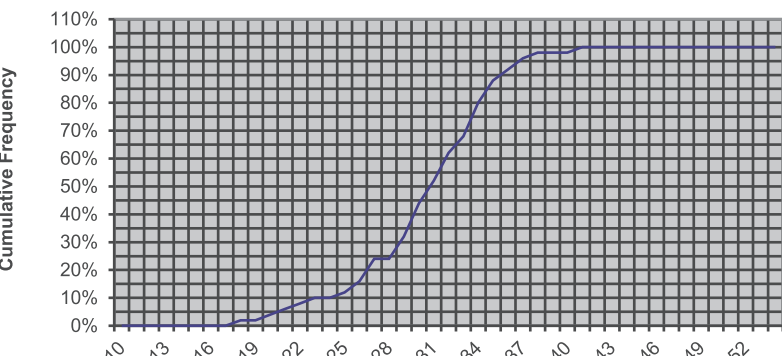
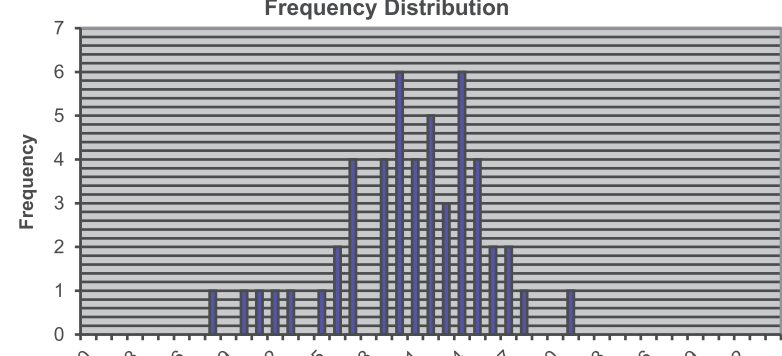


# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	Harkins Road	Direction:	EBD		Comments:
Between:	Hansen Street/Schilling Place and Southernly City Limit	No. 35			
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):	Emileo				

MPH	Frequency	Percent	Cumulative %	Data Analysis:			
10	0	0.00%	0.00%	<div><div>Time Mean Speed:</div><div>30.7</div><div>MPH</div><div>Sample Variance:</div><div>22.65</div><div>Standard Deviation:</div><div>4.8</div><div>Variance of the Mean:</div><div>0.4530</div><div>Standard Error of the Mean:</div><div>0.7</div><div>10 MPH Pace:</div><div>26</div><div>To:</div><div>35</div><div>MPH</div><div>Percent in Pace:</div><div>76.0%</div><div>Vehicles in Pace:</div><div>38</div><div>50th Percentile Speed:</div><div>31</div><div>MPH</div><div>85th Percentile Speed:</div><div>35</div><div>MPH</div><div>90th Percentile Speed:</div><div>36</div><div>MPH</div><div>95th Percentile Speed:</div><div>37</div><div>MPH</div></div>			
11	0	0.00%	0.00%				
12	0	0.00%	0.00%				
13	0	0.00%	0.00%				
14	0	0.00%	0.00%				
15	0	0.00%	0.00%				
16	0	0.00%	0.00%				
17	0	0.00%	0.00%				
18	1	2.00%	2.00%				
19	0	0.00%	2.00%				
20	1	2.00%	4.00%				
21	1	2.00%	6.00%				
22	1	2.00%	8.00%				
23	1	2.00%	10.00%	<div>Cumulative Frequency Distribution</div> 			
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%	<div>Frequency Distribution</div> 			
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%					



# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	Harkins Road	Direction:	WBD/EBD		Comments:
Between:	Hansen Street/Schilling Place and Southernly City Limit				No. 35
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):	Emileo				

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	1	1.00%	2.00%	
19	0	0.00%	2.00%	
20	2	2.00%	4.00%	
21	1	1.00%	5.00%	
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%		

#### Data Analysis:

Time Mean Speed:	32.6	MPH
Sample Variance:	33.24	
Standard Deviation:	5.8	
Variance of the Mean:	0.3324	
Standard Error of the Mean:	0.6	
10 MPH Pace:	29	To: 38 MPH
Percent in Pace:	69.0%	
Vehicles in Pace:	69	
50th Percentile Speed:	33	MPH
85th Percentile Speed:	38	MPH
90th Percentile Speed:	39	MPH
95th Percentile Speed:	41	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution



1

## SPEED SURVEY FIELD SHEET

SITE CODE

35

CITY OF SALINAS

LOCATION

Harkins Rd btwn Abbott St + Southerly City Limits

DATE

3/23/22

DAY

Wednesday

TIME

1:20

TO

1:50

OBSERVER

Emilio

CALCULATED BY

Emilio

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

|||||

|||||

Direction:

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

|||||

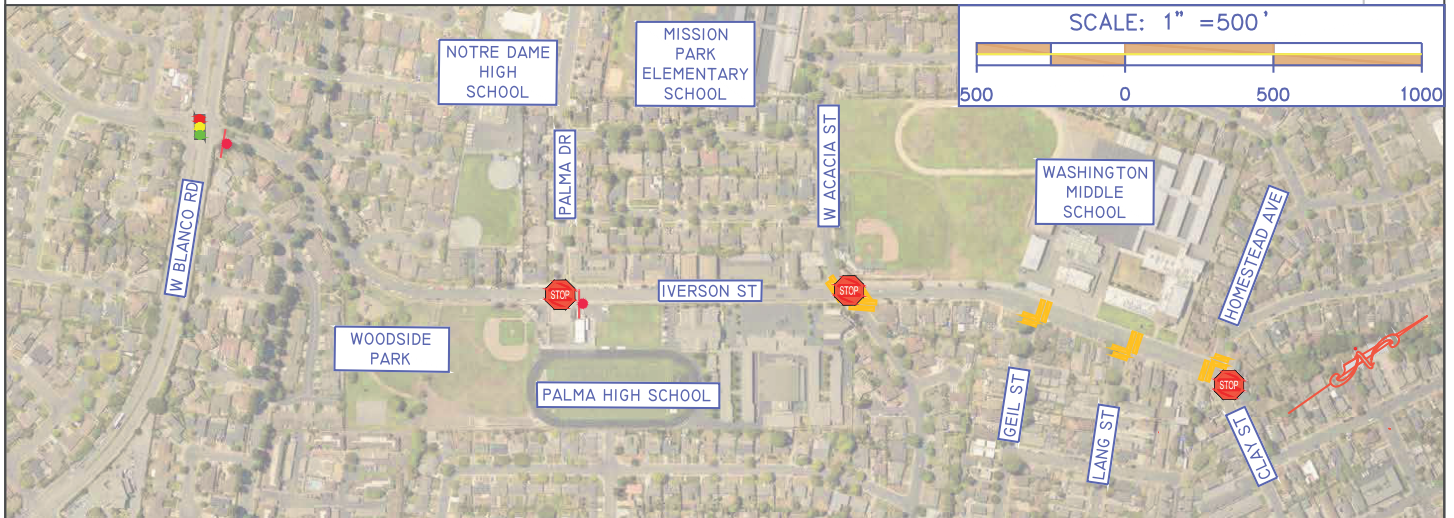
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**CITY OF SALINAS  
TRANSPORTATION & ENGINEERING  
TRAFFIC SURVEY**








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	 ALL-WAY STOP	
Vertical Alignment	Flat	 SIGNAL	
Street Width	46 Feet	 SPEED SIGN	
No. Lanes and Median	2-Lane Collector	 CITY LIMITS	
Proposed Speed Zone	25 MPH	 CROSSWALK	
85th Percentile Speed	26 MPH	 SCHOOL CROSSWALK	
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:	SBD	Comments:  <div style="border: 1px solid black; padding: 2px; margin-top: 10px;">No. 38</div>
Between:	Clay Street And West Blanco Road			
Survey Location:	Between Iverson Drive and Palma Drive			
Speed Limit:	25 MPH			
Date:	03/23/22	Day:	Wednesday	
Hours: From:	03:30	To:	04:20	
Weather:	Sunny			
Observer(s):	Emileo			

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	3	6.00%	6.00%	
18	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%		

#### Data Analysis:

Time Mean Speed:	22.9	MPH
Sample Variance:	14.16	
Standard Deviation:	3.8	
Variance of the Mean:	0.2832	
Standard Error of the Mean:	0.5	
10 MPH Pace:	17	To: 26 MPH
Percent in Pace:	82.0%	
Vehicles in Pace:	41	
50th Percentile Speed:	23	MPH
85th Percentile Speed:	27	MPH
90th Percentile Speed:	28	MPH
95th Percentile Speed:	29	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution





# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	Iverson Street	Direction:	NBD	Comments:
Between:	Clay Street And West Blanco Road	No. 38		
Survey Location:	Between Iverson Drive and Palma Drive			
Speed Limit:	25 MPH			
Date:	03/23/22			
Hours:	From: 03:30	To:	04:20	
Weather:	Sunny			
Observer(s):	Emileo			

MPH	Frequency	Percent	Cumulative %	
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	1	2.00%	4.00%	
15	3	6.00%	10.00%	
16	0	0.00%	10.00%	
17	3	6.00%	16.00%	
18	3	6.00%	22.00%	
19	2	4.00%	26.00%	
20	5	10.00%	36.00%	
21	4	8.00%	44.00%	
22	5	10.00%	54.00%	
23	6	12.00%	66.00%	
24	6	12.00%	78.00%	
25	4	8.00%	86.00%	
26	2	4.00%	90.00%	
27	4	8.00%	98.00%	
28	1	2.00%	100.00%	
29	0	0.00%	100.00%	
30	0	0.00%	100.00%	
31	0	0.00%	100.00%	
32	0	0.00%	100.00%	
33	0	0.00%	100.00%	
34	0	0.00%	100.00%	
35	0	0.00%	100.00%	
36	0	0.00%	100.00%	
37	0	0.00%	100.00%	
38	0	0.00%	100.00%	
39	0	0.00%	100.00%	
40	0	0.00%	100.00%	
41	0	0.00%	100.00%	
42	0	0.00%	100.00%	
43	0	0.00%	100.00%	
44	0	0.00%	100.00%	
45	0	0.00%	100.00%	
46	0	0.00%	100.00%	
47	0	0.00%	100.00%	
48	0	0.00%	100.00%	
49	0	0.00%	100.00%	
50	0	0.00%	100.00%	
51	0	0.00%	100.00%	
52	0	0.00%	100.00%	
53	0	0.00%	100.00%	
54	0	0.00%	100.00%	
Totals:	50	100.00%		

#### Data Analysis:

Time Mean Speed:	21.6	MPH
Sample Variance:	13.92	
Standard Deviation:	3.7	
Variance of the Mean:	0.2784	
Standard Error of the Mean:	0.5	
10 MPH Pace:	18	To: 27 MPH
Percent in Pace:	82.0%	
Vehicles in Pace:	41	
50th Percentile Speed:	22	MPH
85th Percentile Speed:	25	MPH
90th Percentile Speed:	26	MPH
95th Percentile Speed:	27	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution





# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	Iverson Street	Direction:	SBD/NBD	No. 38	Comments:
Between:	Clay Street And West Blanco Road				
Survey Location:	Between Iverson Drive and Palma Drive				
Speed Limit:	25 MPH				
Date:	03/23/22	Day:	Wednesday		
Hours:	From: 03:30	To:	04:20		
Weather:	Sunny				
Observer(s):	Emileo				

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	1	1.00%	1.00%	
14	1	1.00%	2.00%	
15	3	3.00%	5.00%	
16	0	0.00%	5.00%	
17	6	6.00%	11.00%	
18	7	7.00%	18.00%	
19	5	5.00%	23.00%	
20	12	12.00%	35.00%	
21	8	8.00%	43.00%	
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%		

#### Data Analysis:

Time Mean Speed:	22.2	MPH
Sample Variance:	14.31	
Standard Deviation:	3.8	
Variance of the Mean:	0.1431	
Standard Error of the Mean:	0.4	
10 MPH Pace:	17	To: 26 MPH
Percent in Pace:	81.0%	
Vehicles in Pace:	81	
50th Percentile Speed:	22	MPH
85th Percentile Speed:	26	MPH
90th Percentile Speed:	27	MPH
95th Percentile Speed:	28	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution

# 1 SPEED SURVEY FIELD SHEET

CITY OF SALINAS

LOCATION

Iverson St btwn Clay St + West Blanco Rd

DATE \_\_\_\_\_

3123122

DAY

Wednesday

TIME

3:30

TO

4:20

OBSERVER

Emilio

CALCULATED BY

1. winter


## WEATHER

Summary


Direction:		Number of Vehicles																			
MPH		5					10					15					20				
70																					
69																					
68																					
67																					
66																					
65																					
64																					
63																					
62																					
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60																					
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41																					
40																					
39																					
38																					
37																					
36																					
35																					
34																					
33																					
32																					
31	X	X																			
30																					
29	X	X																			
28	X	X	X																		
27	X	X	X																		

[illegible]

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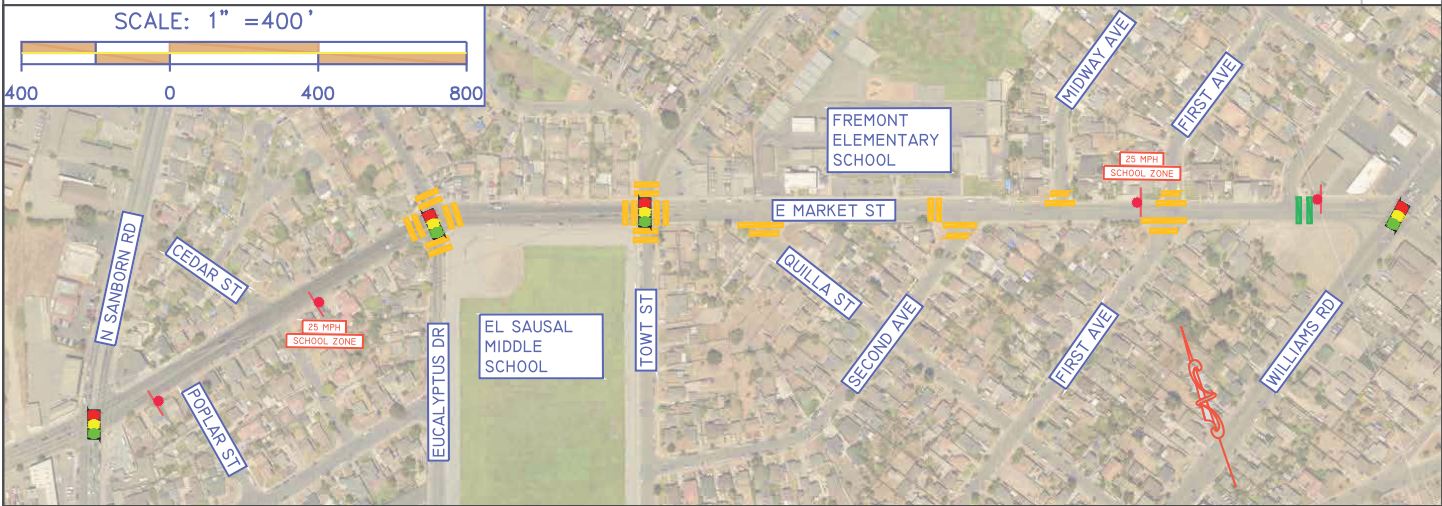
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CITY OF SALINAS  
TRANSPORTATION & ENGINEERING  
TRAFFIC SURVEY

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		ALL-WAY STOP	
Vertical Alignment	Flat		SIGNAL	
Street Width	Varies from 44 Feet to 62 Feet		SPEED SIGN	
No. Lanes and Median	3-Lane Minor Arterial		CITY LIMITS	
Proposed Speed Zone	30 MPH		CROSSWALK	
85th Percentile Speed:	30 MPH		SCHOOL CROSSWALK	
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:	EBD	Comments:  <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 39</div>
Between:	North Sanborn Road and Williams Road			
Survey Location:	Between Midway Avenue and 1st Avenue			
Speed Limit:	30 MPH			
Date:	06/01/22	Day:	Wednesday	
Hours: From:	02:05	To:	02:55	
Weather:	Sunny			
Observer(s):	Emi and Eva			

MPH	Frequency	Percent	Cumulative %	
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	4	8.00%	10.00%	
16	0	0.00%	10.00%	
17	4	8.00%	18.00%	
18	0	0.00%	18.00%	
19	0	0.00%	18.00%	
20	0	0.00%	18.00%	
21	5	10.00%	28.00%	
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%		

#### Data Analysis:

Time Mean Speed:	25.3	MPH
Sample Variance:	48.39	
Standard Deviation:	7.0	
Variance of the Mean:	0.9678	
Standard Error of the Mean:	1.0	
10 MPH Pace:	21	To: 30 MPH
Percent in Pace:	68.0%	
Vehicles in Pace:	34	
50th Percentile Speed:	26	MPH
85th Percentile Speed:	30	MPH
90th Percentile Speed:	32	MPH
95th Percentile Speed:	34	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution



# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	East Market Street	Direction:	WBD	Comments:
Between:	North Sanborn Road and Williams Road	No. 39		
Survey Location:	Between Midway Avenue and 1st Avenue			
Speed Limit:	30 MPH			
Date:	06/01/22			
Hours:	From: 02:05	Day:	Wednesday	
	To: 02:55			
Weather:	Sunny			
Observer(s):	Emi and Eva			

MPH	Frequency	Percent	Cumulative %	<i>Data Analysis:</i>
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	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%		

**Time Mean Speed:** 26.1 MPH

**Sample Variance:** 16.80

**Standard Deviation:** 4.1

**Variance of the Mean:** 0.3429

**Standard Error of the Mean:** 0.6

**10 MPH Pace:** 21 To: 30 MPH

**Percent in Pace:** 77.6%

**Vehicles in Pace:** 38

**50th Percentile Speed:** 26 MPH

**85th Percentile Speed:** 30 MPH

**90th Percentile Speed:** 32 MPH

**95th Percentile Speed:** 32 MPH

**Cumulative Frequency Distribution**

**Frequency Distribution**



# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	East Market Street	Direction:	EBD/WBD	No. 39	Comments:
Between:	North Sanborn Road and Williams Road				
Survey Location:	Between Midway Avenue and 1st Avenue				
Speed Limit:	30 MPH				
Date:	06/01/22	Day:	Wednesday		
Hours:	From: 02:05	To:	02:55		
Weather:	Sunny				
Observer(s):	Emi and Eva				

MPH	Frequency	Percent	Cumulative %	
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%		

#### Data Analysis:

Time Mean Speed:	25.7	MPH
Sample Variance:	32.58	
Standard Deviation:	5.7	
Variance of the Mean:	0.3291	
Standard Error of the Mean:	0.6	
10 MPH Pace:	21	To: 30 MPH
Percent in Pace:	72.7%	
Vehicles in Pace:	72	
50th Percentile Speed:	26	MPH
85th Percentile Speed:	30	MPH
90th Percentile Speed:	32	MPH
95th Percentile Speed:	34	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution

# SPEED<sup>1</sup> SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE

39

LOCATION

East Market St btwn North Sanborn Rd + Williams Rd

DATE

6/1/2004 DAY Wednesday

TIME

2:05 TO 2:55

OBSERVER

Eml

CALCULATED BY

Eml

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				
46				
45				
44				
43				
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16				
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14				
13				
12				
11				
10				

Direction: Oncom Rd 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				
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11				
10				



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	Number: 1	Author: jonathanh	Subject: Text Box	Date: 9/26/2022 2:26:08 PM
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	Number: 2	Author: jonathanh	Subject: Text Box	Date: 9/26/2022 2:26:02 PM
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CITY OF SALINAS  
TRANSPORTATION & ENGINEERING  
TRAFFIC SURVEY








STREET: **MCKINNON STREET**  
BETWEEN: **E BORONDA RD & E ALVIN DR**  
SURVET 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	 ALL-WAY STOP	
Street Width	44 Feet	 SIGNAL	
No. Lanes and Median	2-Lane Minor Arterial	 SPEED SIGN	
Proposed Speed Zone	35 MPH	 CITY LIMITS	
85th Percentile Speed	35 MPH	 CROSSWALK	
Traffic Volume (Date)	7,873 (2019)	 SCHOOL CROSSWALK	
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:	NBD	Comments:  <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 41</div>
Between:	East Boronda Road and East Alvin Drive			
Survey Location:	Between Harden Parkway and Westminster Drive			
Speed Limit:	35 MPH			
Date:	07/11/22	Day:	Monday	
Hours: From:	11:12	To:	12:06	
Weather:	Sunny			
Observer(s):	Chris B. & Chris J.			

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	2	4.00%	4.00%	
21	0	0.00%	4.00%	
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%		

#### Data Analysis:

Time Mean Speed:	31.5	MPH
Sample Variance:	21.77	
Standard Deviation:	4.7	
Variance of the Mean:	0.4354	
Standard Error of the Mean:	0.7	
10 MPH Pace:	26	To: 35 MPH
Percent in Pace:	80.0%	
Vehicles in Pace:	40	
50th Percentile Speed:	32	MPH
85th Percentile Speed:	35	MPH
90th Percentile Speed:	36	MPH
95th Percentile Speed:	38	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution



# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	McKinnon Street	Direction:	SBD	Comments:  <b>No. 41</b>
Between:	East Boronda Road and East Alvin Drive			
Survey Location:	Between Harden Parkway and Westminster Drive			
Speed Limit:	35 MPH			
Date:	07/11/22	Day:	Monday	
Hours:	From: 11:12	To:	12:06	
Weather:	Sunny			
Observer(s):	Chris B. & Chris J.			

MPH	Frequency	Percent	Cumulative %	<i>Data Analysis:</i>
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	0	0.00%	0.00%	
19	1	2.00%	2.00%	
20	1	2.00%	4.00%	
21	0	0.00%	4.00%	
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%		

**Time Mean Speed:** 29.6 **MPH**

**Sample Variance:** 18.33

**Standard Deviation:** 4.3

**Variance of the Mean:** 0.3666

**Standard Error of the Mean:** 0.6

**10 MPH Pace:** 25 **To:** 34 **MPH**

**Percent in Pace:** 78.0%

**Vehicles in Pace:** 39

**50th Percentile Speed:** 30 **MPH**

**85th Percentile Speed:** 33 **MPH**

**90th Percentile Speed:** 34 **MPH**

**95th Percentile Speed:** 35 **MPH**

**Cumulative Frequency Distribution**

**Frequency Distribution**





# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	McKinnon Street	Direction:	NBD/SBD	No. 41	Comments:
Between:	East Boronda Road and East Alvin Drive				
Survey Location:	Between Harden Parkway and Westminster Drive				
Speed Limit:	35 MPH				
Date:	07/11/22	Day:	Monday		
Hours:	From: 11:12	To:	12:06		
Weather:	Sunny				
Observer(s):	Chris B. & Chris J.				

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	0	0.00%	0.00%	
19	1	1.00%	1.00%	
20	3	3.00%	4.00%	
21	0	0.00%	4.00%	
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%		

#### Data Analysis:

Time Mean Speed:	30.5	MPH
Sample Variance:	20.80	
Standard Deviation:	4.6	
Variance of the Mean:	0.2080	
Standard Error of the Mean:	0.5	
10 MPH Pace:	26	To: 35 MPH
Percent in Pace:	78.0%	
Vehicles in Pace:	78	
50th Percentile Speed:	31	MPH
85th Percentile Speed:	35	MPH
90th Percentile Speed:	35	MPH
95th Percentile Speed:	37	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution

1

## SPEED SURVEY FIELD SHEET

SITE CODE

41

CITY OF SALINAS

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

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

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

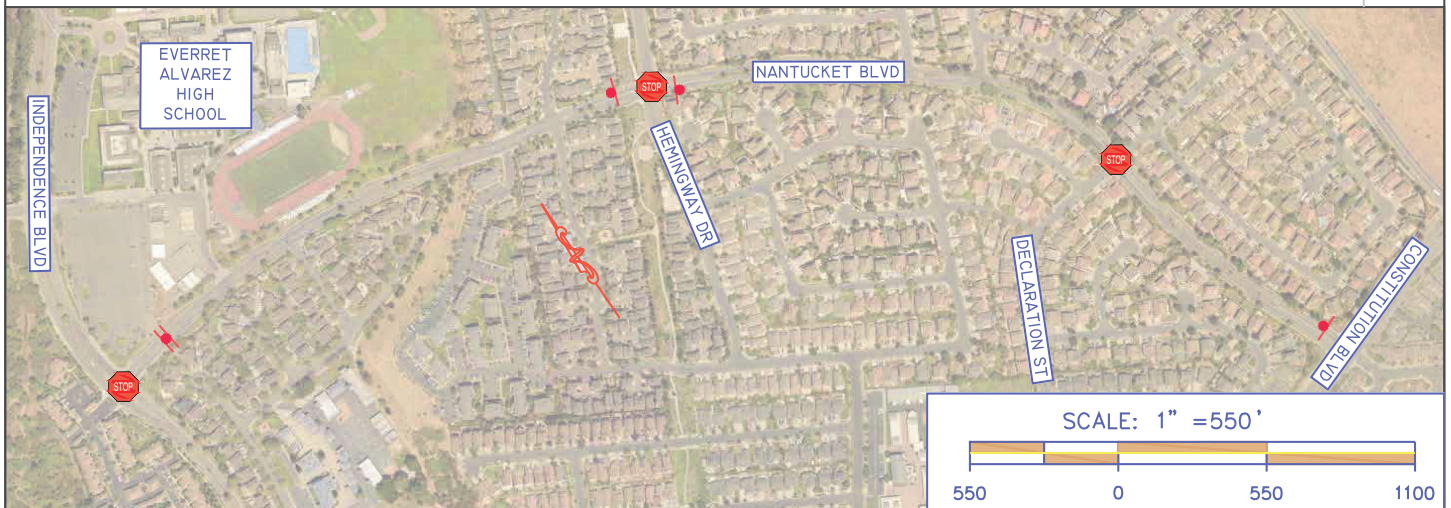
Handwritten red markings between the two tables, including the word "THREE" written vertically and a large "X" mark.



**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: WBD	Comments:
Between:	Independence Boulevard and Constitution Boulevard		No. 43
Survey Location:	Between Independence Boulevard & New Haven Way		
Speed Limit:	35 MPH		
Date:	07/18/22	Day: Monday	
Hours: From:	10:00	To: 11:04	
Weather:	Sunny		
Observer(s):	Chris B & Chris J		

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	0	0.00%	0.00%	
19	0	0.00%	0.00%	
20	0	0.00%	0.00%	
21	0	0.00%	0.00%	
22	0	0.00%	0.00%	
23	0	0.00%	0.00%	
24	0	0.00%	0.00%	
25	1	2.00%	2.00%	
26	0	0.00%	2.00%	
27	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%		

#### Data Analysis:

Time Mean Speed:	36.2	MPH
Sample Variance:	21.96	
Standard Deviation:	4.7	
Variance of the Mean:	0.4392	
Standard Error of the Mean:	0.7	
10 MPH Pace:	32	To: 41 MPH
Percent in Pace:	80.0%	
Vehicles in Pace:	40	
50th Percentile Speed:	36	MPH
85th Percentile Speed:	40	MPH
90th Percentile Speed:	41	MPH
95th Percentile Speed:	44	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution



# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	Nantucket Boulevard	Direction: EBD	Comments:
Between:	Independence Boulevard and Constitution Boulevard		No. 43
Survey Location:	Between Independence Boulevard & New Haven Way		
Speed Limit:	35 MPH		
Date:	07/18/22	Day: Monday	
Hours: From:	10:00	To: 11:04	
Weather:	Sunny		
Observer(s):	Chris B & Chris J		

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	<b>Data Analysis:</b>
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	0	0.00%	0.00%	
19	0	0.00%	0.00%	
20	0	0.00%	0.00%	Time Mean Speed: 31.5 MPH
21	0	0.00%	0.00%	Sample Variance: 26.09
22	4	8.00%	8.00%	Standard Deviation: 5.1
23	0	0.00%	8.00%	Variance of the Mean: 0.5218
24	1	2.00%	10.00%	Standard Error of the Mean: 0.7
25	3	6.00%	16.00%	10 MPH Pace: 25 To: 34 MPH
26	1	2.00%	18.00%	Percent in Pace: 74.0%
27	1	2.00%	20.00%	Vehicles in Pace: 37
28	4	8.00%	28.00%	50th Percentile Speed: 33 MPH
29	2	4.00%	32.00%	85th Percentile Speed: 35 MPH
30	4	8.00%	40.00%	90th Percentile Speed: 39 MPH
31	1	2.00%	42.00%	95th Percentile Speed: 40 MPH
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	No. 43	Comments:
Between:	Independence Boulevard and Constitution Boulevard				
Survey Location:	Between Independence Boulevard & New Haven Way				
Speed Limit:	35 MPH				
Date:	07/18/22	Day:	Monday		
Hours:	From: 10:00	To:	11:04		
Weather:	Sunny				
Observer(s):	Chris B & Chris J				

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	0	0.00%	0.00%	
19	0	0.00%	0.00%	
20	0	0.00%	0.00%	
21	0	0.00%	0.00%	
22	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%		

#### Data Analysis:

Time Mean Speed:	33.8	MPH
Sample Variance:	29.41	
Standard Deviation:	5.4	
Variance of the Mean:	0.2941	
Standard Error of the Mean:	0.5	
10 MPH Pace:	32	To: 41 MPH
Percent in Pace:	68.0%	
Vehicles in Pace:	68	
50th Percentile Speed:	34	MPH
85th Percentile Speed:	40	MPH
90th Percentile Speed:	40	MPH
95th Percentile Speed:	41	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution

1

## CITY OF SALINAS

WEATHER Sunny

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


Direction:		<i>East</i>			
MPH	Number of Vehicles				
	5	10	15	20	
70					
69					
68					
67					
66					
65					
64					
63					
62					
61					
60					
59					
58					
57					
56					
55					
54					
53					
52					
51					
50					
49					
48					
47					
46					
45	X				
44					
43					
42					
41	X				
40	X	X			
39					
38					
37					
36	X				
35	X				
34	X	X			
33	X	X	X		
32	X	X	X	X	
31	X				
30	X	X			
29	X	X			
28	X	X			
27	X	X			
26	X				
25	X	X			
24	X				
23					
22	X	X			
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 2:26:54 PM
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	Number: 2	Author: jonathanh	Subject: Text Box	Date: 9/26/2022 2:26:48 PM
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**CITY OF SALINAS  
TRANSPORTATION & ENGINEERING  
TRAFFIC SURVEY**

STREET: **SOUTH SANBORN ROAD / EAST BLANCO ROAD**  
BETWEEN: **US 101 & CITY LIMIT**  
SURVEY DATE: **07/28/2022 (EXPIRES IN 2027)**

**46**



**COMMENTS:**

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.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 7,100 Feet	ALL WAY STOP SIGNAL SPEED SIGN CITY LIMITS CROSSWALK SCHOOL CROSSWALK	
Vertical Alignment	Flat		
Street Width	Varies (50 to 90 Feet)		
No. Lanes and Median	4-Lane Major Arterial		
Proposed Speed Zone	50 MPH		
85th Percentile Speed	60 MPH		
Traffic Volume (Date)	20,629 (2019)		
Accident Data (2 years)	7 Collisions (2019-2020)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	0.35 Acc./MVM		



# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	Sanborn Road/Blanco Road	Direction: SBD	Comments:
Between:	US 101 and City Limits		No. 46
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 %	
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%		

#### Data Analysis:

Time Mean Speed:	55.1	MPH
Sample Variance:	22.53	
Standard Deviation:	4.7	
Variance of the Mean:	0.4506	
Standard Error of the Mean:	0.7	
10 MPH Pace:	49	To: 58 MPH
Percent in Pace:	76.0%	
Vehicles in Pace:	38	
50th Percentile Speed:	55	MPH
85th Percentile Speed:	60	MPH
90th Percentile Speed:	60	MPH
95th Percentile Speed:	61	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution



# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	Sanborn Road/Blanco Road	Direction:	NBD	Comments:
Between:	US 101 and City Limits	No. 46		
Survey Location:	Between La Mesa Way and Blanco Circle			
Speed Limit:	45 MPH			
Date:	07/28/22			
Hours:	From: 10:48	Day:	Thursday	
	To: 11:17			
Weather:	Sunny			
Observer(s):	Chris B. and Chris J.			

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	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%		

#### Data Analysis:

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	No. 46	Comments:
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 %	
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%		

#### Data Analysis:

Time Mean Speed:	55.0	MPH
Sample Variance:	27.95	
Standard Deviation:	5.3	
Variance of the Mean:	0.2795	
Standard Error of the Mean:	0.5	
10 MPH Pace:	49	To: 58 MPH
Percent in Pace:	67.0%	
Vehicles in Pace:	67	
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

CITY OF SALINAS

LOCATION Southern Blanco blun US 101 + City Limits

DATE 7-28-22 DAY Thursday

TIME 10:48 TO 11:17

OBSERVER Chris J.

CALCULATED BY Chris B

WEATHER Sunny

Direction: <span style="margin-left: 100px;">S</span>				
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	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	X	X	X	X
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				
30				
29				
28				
27				
26				
25				
24				
23				
22				
21				
20				
19				
18				
17				
16				
15				
14				
13				
12				
11				
10				

Direction: N		Number of Vehicles			
MPH		5	10	15	20
70					
69					
68					
67					
66	X				
65	X	X			
64	X	X			
63	X				
62					
61					
60	X	X	X	X	X
59	X	X	X	X	X
58	X	X	X		
57	X	X	X		
56	X	X	X		
55	X	X	X	X	X
54	X	X	X	X	X
53	X				
52	X				
51	X				
50	X	X	X	X	X
49	X	X	X		
48	X	X	X		
47	X	X	X		
46	X	X	X		
45	X	X	X		
44	X	X	X		
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					

[illegible]



CITY OF SALINAS  
TRANSPORTATION & ENGINEERING  
TRAFFIC SURVEY








STREET: IRIS DRIVE  
BETWEEN: TYLER ST & N MAIN ST  
SURVEY DATE: 02/23/2022 (EXPIRES IN 2027)

50



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	 ALL WAY STOP	
Street Width	40 Feet	 SIGNAL	
No. Lanes and Median	2-Lane Collector	 SPEED SIGN	
Proposed Speed Zone	25 MPH	 CITY LIMITS	
85th Percentile Speed	31 MPH	 CROSSWALK	
Traffic Volume (Date)	4,464 (2022)	 SCHOOL CROSSWALK	
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

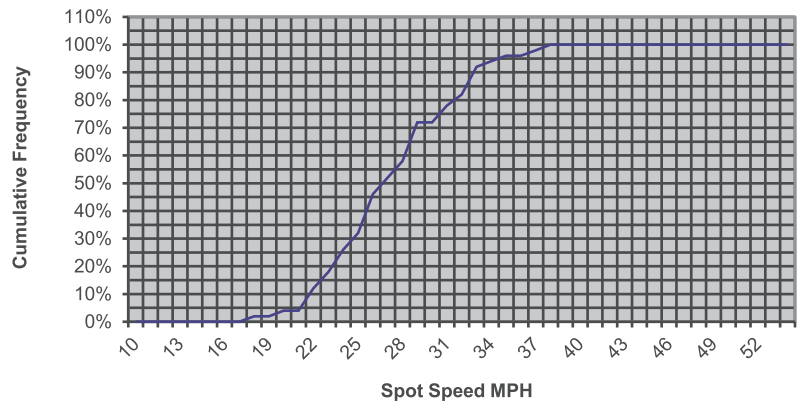
## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

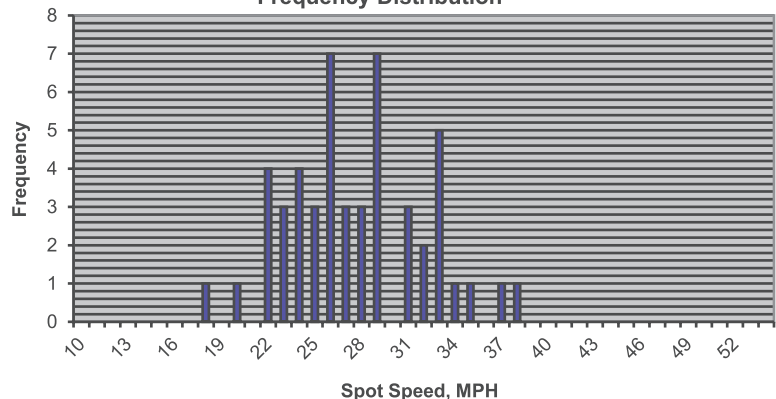
Street:	Iris Drive	Direction:	WBD		Comments:
Between:	North Main Street and Tyler Street	No. 50			
Survey Location:	Between Heather Drive and Lupin Drive				
Speed Limit:	25 MPH				
Date:	02/23/22				
Hours:	From: 11:40	Day:	Wednesday		
	To: 12:19				
Weather:	Sunny				
Observer(s):	Emileo				

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

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	1	2.00%	2.00%	
15	0	0.00%	2.00%	
16	0	0.00%	2.00%	
17	0	0.00%	2.00%	
18	0	0.00%	2.00%	
19	2	4.00%	6.00%	
20	0	0.00%	6.00%	
21	2	4.00%	10.00%	
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%		

#### Data Analysis:

Time Mean Speed:	25.9	MPH
Sample Variance:	15.81	
Standard Deviation:	4.0	
Variance of the Mean:	0.3162	
Standard Error of the Mean:	0.6	
10 MPH Pace:	22	To: 31 MPH
Percent in Pace:	82.0%	
Vehicles in Pace:	41	
50th Percentile Speed:	26	MPH
85th Percentile Speed:	30	MPH
90th Percentile Speed:	31	MPH
95th Percentile Speed:	33	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution



# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	Iris Drive	Direction:	WBD/EBD	No. 50	Comments:
Between:	North Main Street and Tyler Street				
Survey Location:	Between Heather Drive and Lupin Drive				
Speed Limit:	25 MPH				
Date:	02/23/22	Day:	Wednesday		
Hours:	From: 11:40	To:	12:19		
Weather:	Sunny				
Observer(s):	Emileo				

MPH	Frequency	Percent	Cumulative %	Data Analysis:			
10	0	0.00%	0.00%	<div><div>Time Mean Speed:26.8MPH</div><div>Sample Variance:18.24</div><div>Standard Deviation:4.3</div><div>Variance of the Mean:0.1824</div><div>Standard Error of the Mean:0.4</div><div>10 MPH Pace:22To:31MPH</div><div>Percent in Pace:78.0%</div><div>Vehicles in Pace:78</div><div>50th Percentile Speed:26MPH</div><div>85th Percentile Speed:31MPH</div><div>90th Percentile Speed:33MPH</div><div>95th Percentile Speed:33MPH</div></div>			
11	0	0.00%	0.00%				
12	0	0.00%	0.00%				
13	0	0.00%	0.00%				
14	1	1.00%	1.00%				
15	0	0.00%	1.00%				
16	0	0.00%	1.00%				
17	0	0.00%	1.00%				
18	1	1.00%	2.00%				
19	2	2.00%	4.00%				
20	1	1.00%	5.00%				
21	2	2.00%	7.00%				
22	8	8.00%	15.00%				
23	5	5.00%	20.00%				
24	10	10.00%	30.00%				
25	7	7.00%	37.00%				
26	17	17.00%	54.00%				
27	9	9.00%	63.00%				
28	5	5.00%	68.00%				
29	9	9.00%	77.00%				
30	2	2.00%	79.00%				
31	6	6.00%	85.00%				
32	3	3.00%	88.00%				
33	7	7.00%	95.00%				
34	1	1.00%	96.00%				
35	1	1.00%	97.00%				
36	1	1.00%	98.00%				
37	1	1.00%	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

Spot Speed MPH	Cumulative Frequency (%)
10	0.00
11	0.00
12	0.00
13	0.00
14	1.00
15	1.00
16	1.00
17	1.00
18	2.00
19	4.00
20	5.00
21	7.00
22	15.00
23	20.00
24	30.00
25	37.00
26	54.00
27	63.00
28	68.00
29	77.00
30	79.00
31	85.00
32	88.00
33	95.00
34	96.00
35	97.00
36	98.00
37	99.00
38	100.00
39	100.00
40	100.00
41	100.00
42	100.00
43	100.00
44	100.00
45	100.00
46	100.00
47	100.00
48	100.00
49	100.00
50	100.00
51	100.00
52	100.00

Frequency Distribution

Spot Speed, MPH	Frequency
10	0
11	0
12	0
13	0
14	1
15	0
16	0
17	1
18	2
19	1
20	2
21	8
22	5
23	5
24	10
25	7
26	7
27	17
28	9
29	5
30	9
31	2
32	6
33	3
34	7
35	1
36	1
37	1
38	1
39	1
40	1
41	0
42	0
43	0
44	0
45	0
46	0
47	0
48	0
49	0
50	0
51	0
52	0

1

## SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE

50

LOCATION

Iris Dr btwn North Main St &amp; Tyler St.

DATE

6/23/22

DAY

Wed

TIME

11:40 AM

TO

12:19

OBSERVER

Emilio

CALCULATED BY

Emilio

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





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)



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 <sup>th</sup> 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		
		ALL WAY STOP SIGNAL SPEED SIGN CITY LIMITS CROSSWALK SCHOOL CROSSWALK	



# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	East Laurel Drive	Direction:	WBD	No. 52	Comments:
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 %	
20	0	0.00%	0.00%	<b>Data Analysis:</b>
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%	Time Mean Speed: 43.0 MPH
31	1	2.00%	2.00%	Sample Variance: 29.14
32	0	0.00%	2.00%	Standard Deviation: 5.4
33	0	0.00%	2.00%	Variance of the Mean: 0.5828
34	0	0.00%	2.00%	Standard Error of the Mean: 0.8
35	3	6.00%	8.00%	10 MPH Pace: 36 To: 45 MPH
36	0	0.00%	8.00%	Percent in Pace: 70.0%
37	0	0.00%	8.00%	Vehicles in Pace: 35
38	4	8.00%	16.00%	50th Percentile Speed: 42 MPH
39	3	6.00%	22.00%	85th Percentile Speed: 50 MPH
40	9	18.00%	40.00%	90th Percentile Speed: 50 MPH
41	4	8.00%	48.00%	95th Percentile Speed: 52 MPH
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:	EBD	Comments:
Between:	Natividad Road and Sanborn Road	No. 52		
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 %	
20	0	0.00%	0.00%	<b>Data Analysis:</b>
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%	Time Mean Speed: 46.7 MPH
31	0	0.00%	0.00%	Sample Variance: 30.43
32	0	0.00%	0.00%	Standard Deviation: 5.5
33	0	0.00%	0.00%	Variance of the Mean: 0.6086
34	0	0.00%	0.00%	Standard Error of the Mean: 0.8
35	0	0.00%	0.00%	10 MPH Pace: 41 To: 50 MPH
36	0	0.00%	0.00%	Percent in Pace: 62.0%
37	0	0.00%	0.00%	Vehicles in Pace: 31
38	3	6.00%	6.00%	50th Percentile Speed: 45 MPH
39	3	6.00%	12.00%	85th Percentile Speed: 53 MPH
40	1	2.00%	14.00%	90th Percentile Speed: 53 MPH
41	2	4.00%	18.00%	95th Percentile Speed: 56 MPH
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:	WBD/EBD	No. 52	Comments:
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 %	<i>Data Analysis:</i>
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	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**

2

1

## SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE

52

LOCATION

East Laurel Dr btwn Natividad Rd + Sanborn Rd

DATE

7-21-22

DAY

Thursday

TIME

10:07

TO

10:34

OBSERVER

Chris J.

CALCULATED BY

Chris B

WEATHER

Sunny


Direction: W				
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	X			
51	X			
50	X			
49	X			
48	X			
47				
46				
45	X			
44	X			
43	X			
42	X			
41	X			
40	X			
39	X			
38	X			
37				
36				
35	X			
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				

Direction: E				
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	X			
55	X			
54	X			
53	X			
52	X			
51	X			
50	X			
49	X			
48	X			
47	X			
46	X			
45	X			
44	X			
43	X			
42	X			
41	X			
40	X			
39	X			
38	X			
37				
36				
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 Number: 1	Author: jonathanh	Subject: Text Box	Date: 9/26/2022 2:28:05 PM
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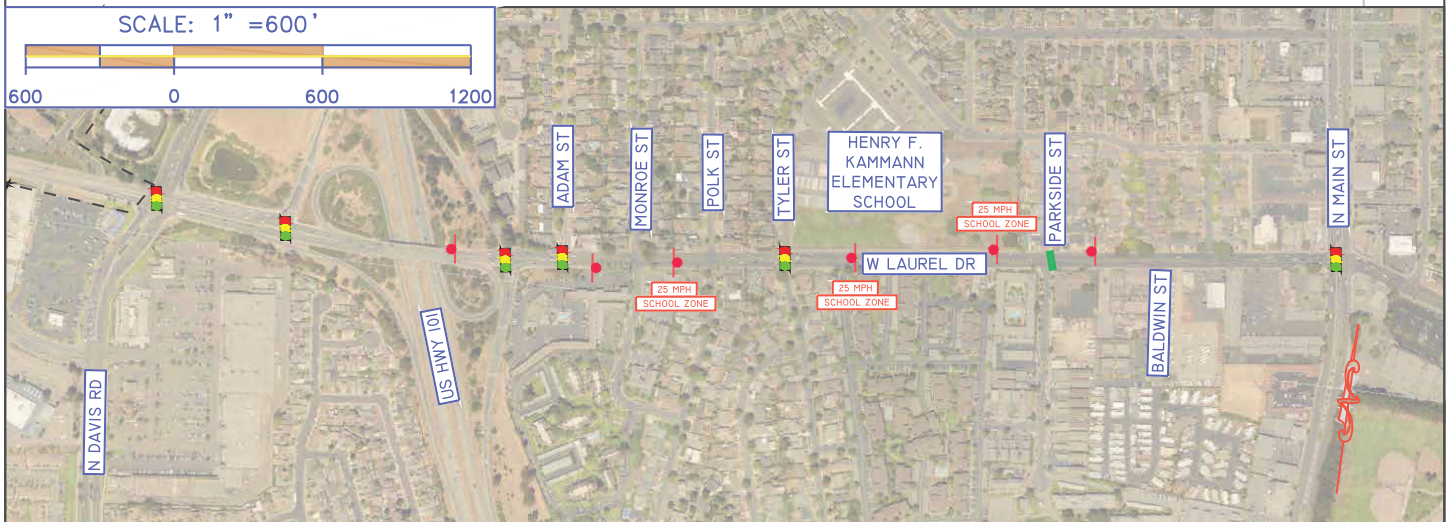
 Number: 2	Author: jonathanh	Subject: Text Box	Date: 9/26/2022 2:27:59 PM
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**CITY OF SALINAS  
TRANSPORTATION & ENGINEERING  
TRAFFIC SURVEY**

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 <sup>th</sup> 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	ALL WAY STOP SIGNAL SPEED SIGN CITY LIMITS CROSSWALK SCHOOL CROSSWALK	





# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	West Laurel Drive	Direction:	EBD	Comments:  <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 54</div>
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 %	
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	1	2.00%	4.00%	
19	1	2.00%	6.00%	
20	4	8.00%	14.00%	
21	2	4.00%	18.00%	
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%		

#### Data Analysis:

Time Mean Speed:	25.8	MPH
Sample Variance:	24.83	
Standard Deviation:	5.0	
Variance of the Mean:	0.4966	
Standard Error of the Mean:	0.7	
10 MPH Pace:	20	To: 29 MPH
Percent in Pace:	74.0%	
Vehicles in Pace:	37	
50th Percentile Speed:	25	MPH
85th Percentile Speed:	31	MPH
90th Percentile Speed:	32	MPH
95th Percentile Speed:	35	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution



# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	West Laurel Drive	Direction:	WBD	No. 54	Comments:
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 %	
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%		

#### Data Analysis:

Time Mean Speed:	26.6	MPH
Sample Variance:	30.24	
Standard Deviation:	5.5	
Variance of the Mean:	0.6048	
Standard Error of the Mean:	0.8	
10 MPH Pace:	21	To: 30 MPH
Percent in Pace:	66.0%	
Vehicles in Pace:	33	
50th Percentile Speed:	26	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:	West Laurel Drive	Direction:	EBD/WBD	No. 54	Comments:
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 %	
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%		

#### Data Analysis:

Time Mean Speed:	26.2	MPH
Sample Variance:	27.42	
Standard Deviation:	5.2	
Variance of the Mean:	0.2742	
Standard Error of the Mean:	0.5	
10 MPH Pace:	20	To: 29 MPH
Percent in Pace:	69.0%	
Vehicles in Pace:	69	
50th Percentile Speed:	26	MPH
85th Percentile Speed:	31	MPH
90th Percentile Speed:	33	MPH
95th Percentile Speed:	35	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution

# SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE  
**54**

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

Direction: <u>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	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	X	
27	X	X	X	
26	X	X	X	X
25	X	X	X	X
24	X	X	X	X
23	X	X	X	X
22	X	X	X	X
21	X	X	X	X
20	X	X	X	X
19	X	X	X	X
18	X	X	X	X
17	X	X	X	X
16	X	X	X	X
15	X	X	X	X
14				
13				
12				
11				
10				



Direction: <u>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	X	X		
39				
38				
37				
36				
35	X			
34	X	X		
33	X	X		
32	X	X		
31	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	X	X
24	X	X	X	X
23	X	X	X	X
22	X	X	X	X
21	X	X	X	X
20	X	X	X	X
19	X	X	X	X
18	X	X	X	X
17	X	X	X	X
16	X	X	X	X
15	X	X	X	X
14				
13				
12				
11				
10				




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	Number: 1	Author: jonathanh	Subject: Text Box	Date: 9/26/2022 2:28:39 PM
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	Number: 2	Author: jonathanh	Subject: Text Box	Date: 9/26/2022 2:28:32 PM
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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	<div> ALL WAY STOP</div> <div> SIGNAL</div> <div> SPEED SIGN</div> <div> CITY LIMITS</div> <div> CROSSWALK</div> <div> SCHOOL CROSSWALK</div>	
Vertical Alignment	Flat		
Street Width	Varies (43 to 63 Feet)		
No. Lanes and Median	2-Lane Minor Arterial		
Proposed Speed Zone	30 MPH		
85 <sup>th</sup> 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:	SBD	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:	Friday	
Hours: From:	04:03	To:	04:28	
Weather:	Sunny			
Observer(s):	Eva and Orion			

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	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%		

#### Data Analysis:

Time Mean Speed:	30.3	MPH
Sample Variance:	21.19	
Standard Deviation:	4.6	
Variance of the Mean:	0.4238	
Standard Error of the Mean:	0.7	
10 MPH Pace:	25	To: 34 MPH
Percent in Pace:	76.0%	
Vehicles in Pace:	38	
50th Percentile Speed:	30	MPH
85th Percentile Speed:	34	MPH
90th Percentile Speed:	35	MPH
95th Percentile Speed:	37	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution

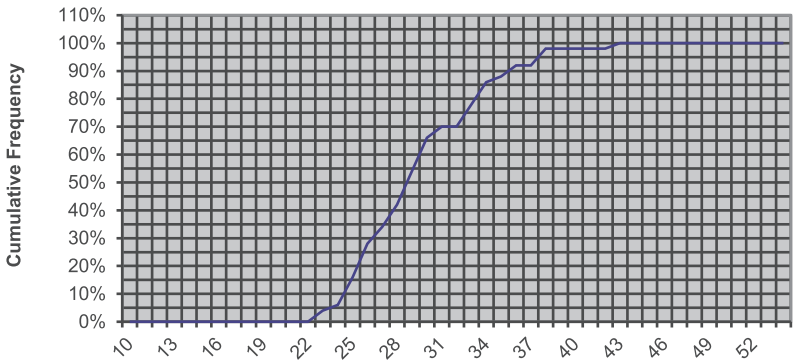
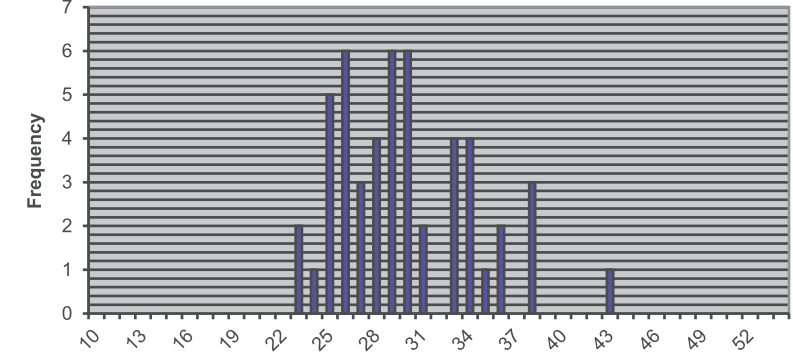


# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	Linwood Drive	Direction:	NBD	No. 55	Comments:
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:	Friday		
Hours:	From: 04:03	To:	04:28		
Weather:	Sunny				
Observer(s):	Eva and Orion				

MPH	Frequency	Percent	Cumulative %	<i>Data Analysis:</i>	
10	0	0.00%	0.00%		
11	0	0.00%	0.00%	Time Mean Speed:	29.8 MPH
12	0	0.00%	0.00%	Sample Variance:	19.65
13	0	0.00%	0.00%	Standard Deviation:	4.4
14	0	0.00%	0.00%	Variance of the Mean:	0.3930
15	0	0.00%	0.00%	Standard Error of the Mean:	0.6
16	0	0.00%	0.00%	10 MPH Pace:	25 To: 34 MPH
17	0	0.00%	0.00%	Percent in Pace:	80.0%
18	0	0.00%	0.00%	Vehicles in Pace:	40
19	0	0.00%	0.00%	50th Percentile Speed:	29 MPH
20	0	0.00%	0.00%	85th Percentile Speed:	34 MPH
21	0	0.00%	0.00%	90th Percentile Speed:	36 MPH
22	0	0.00%	0.00%	95th Percentile Speed:	38 MPH
23	2	4.00%	4.00%	<b>Cumulative Frequency Distribution</b>	
24	1	2.00%	6.00%		
25	5	10.00%	16.00%		
26	6	12.00%	28.00%		
27	3	6.00%	34.00%	<b>Frequency Distribution</b>	
28	4	8.00%	42.00%		
29	6	12.00%	54.00%		
30	6	12.00%	66.00%		
31	2	4.00%	70.00%	Totals:	
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%		





# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	Linwood Drive	Direction:	SBD/NBD		Comments:
Between:	East Laurel Drive and East Alvin Drive				
Survey Location:	Between Elwood Street and Sequoia Street	No. 55			
Speed Limit:	25 MPH				
Date:	07/22/22	Day:	Friday		
Hours:	From: 04:03	To:	04:28		
Weather:	Sunny				
Observer(s):	Eva and Orion				

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	3	3.00%	3.00%	
21	0	0.00%	3.00%	
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%		

#### Data Analysis:

Time Mean Speed:	30.1	MPH
Sample Variance:	20.27	
Standard Deviation:	4.5	
Variance of the Mean:	0.2027	
Standard Error of the Mean:	0.5	
10 MPH Pace:	25	To: 34 MPH
Percent in Pace:	78.0%	
Vehicles in Pace:	78	
50th Percentile Speed:	30	MPH
85th Percentile Speed:	34	MPH
90th Percentile Speed:	35	MPH
95th Percentile Speed:	38	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution

# SPEED SURVEY FIELD SHEET

SITE CODE

55

CITY OF SALINAS

LOCATION

Linwood Dr btwn 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				
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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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 Number: 1	Author: jonathanh	Subject: Text Box	Date: 9/26/2022 2:29:08 PM
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 Number: 2	Author: jonathanh	Subject: Text Box	Date: 9/26/2022 2:29:01 PM
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**CITY OF SALINAS  
TRANSPORTATION & ENGINEERING  
TRAFFIC SURVEY**

STREET: **NORTH MAIN STREET**  
BETWEEN: **LAUREL DR & BERNAL DR**  
SURVEY DATE: **07/21/2022 (EXPIRES IN 2027)**

**56**



**COMMENTS:**

This segment of North Main Street is classified as a major arterial. 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.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 3,400 Feet		
Vertical Alignment	Flat		
Street Width	92 Feet		
No. Lanes and Median	6-Lane Major Arterial		
Proposed Speed Zone	35 MPH		
85 <sup>th</sup> Percentile Speed	40 MPH		
Traffic Volume (Date)	23,057 (2022)		
Accident Data (2 years)	14 Collisions (2019-2020)		
Street Segment Collision Rate = (Collisions) (1,000,000) (Years) (365) (ADT) (Length in Miles)	1.29 Acc./MVM	ALL WAY STOP SIGNAL SPEED SIGN CITY LIMITS CROSSWALK SCHOOL CROSSWALK	





# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	North Main Street	Direction:	SBD	Comments:  No. 56
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 %	
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%		

#### Data Analysis:

Time Mean Speed:	34.0	MPH
Sample Variance:	20.96	
Standard Deviation:	4.6	
Variance of the Mean:	0.4192	
Standard Error of the Mean:	0.6	
10 MPH Pace:	27	To: 36 MPH
Percent in Pace:	78.0%	
Vehicles in Pace:	39	
50th Percentile Speed:	35	MPH
85th Percentile Speed:	39	MPH
90th Percentile Speed:	39	MPH
95th Percentile Speed:	40	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution



# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	North Main Street	Direction:	NBD	Comments:
Between:	East Laurel Drive and East Bernal Drive	No. 56		
Survey Location:	Between East Laurel Drive and Iris Drive			
Speed Limit:	35 MPH			
Date:	07/21/22			
Hours:	From: 02:11	Day:	Thursday	
	To: 02:30			
Weather:	Sunny			
Observer(s):	Eva and Orion			

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	<b>Data Analysis:</b>
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%	Time Mean Speed: 35.6 MPH
21	0	0.00%	2.00%	Sample Variance: 33.95
22	0	0.00%	2.00%	Standard Deviation: 5.8
23	0	0.00%	2.00%	Variance of the Mean: 0.6790
24	0	0.00%	2.00%	Standard Error of the Mean: 0.8
25	3	6.00%	8.00%	10 MPH Pace: 32 To: 41 MPH
26	0	0.00%	8.00%	Percent in Pace: 66.0%
27	2	4.00%	12.00%	Vehicles in Pace: 33
28	1	2.00%	14.00%	50th Percentile Speed: 36 MPH
29	2	4.00%	18.00%	85th Percentile Speed: 41 MPH
30	1	2.00%	20.00%	90th Percentile Speed: 43 MPH
31	0	0.00%	20.00%	95th Percentile Speed: 44 MPH
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%		

**Cumulative Frequency Distribution**

**Frequency Distribution**



# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	North Main Street	Direction:	SBD/NBD	No. 56	Comments:
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%	Time Mean Speed:	34.8 MPH
12	0	0.00%	0.00%	Sample Variance:	27.86
13	0	0.00%	0.00%	Standard Deviation:	5.3
14	0	0.00%	0.00%	Variance of the Mean:	0.2786
15	0	0.00%	0.00%	Standard Error of the Mean:	0.5
16	0	0.00%	0.00%	10 MPH Pace:	30 To: 39 MPH
17	0	0.00%	0.00%	Percent in Pace:	66.0%
18	0	0.00%	0.00%	Vehicles in Pace:	66
19	0	0.00%	0.00%	50th Percentile Speed:	35 MPH
20	1	1.00%	1.00%	85th Percentile Speed:	40 MPH
21	0	0.00%	1.00%	90th Percentile Speed:	41 MPH
22	1	1.00%	2.00%	95th Percentile Speed:	44 MPH
23	0	0.00%	2.00%	Cumulative Frequency Distribution	
24	0	0.00%	2.00%		
25	3	3.00%	5.00%	Frequency Distribution	
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%			

# 1 SPEED SURVEY FIELD SHEET

SITE CODE

56

CITY OF SALINAS

LOCATION North Main St btwn Laurel Dr + Bernal Dr

DATE 7/21/22 DAY Thursday

TIME 2:11 TO 2:30

OBSERVER Orion & Eva

CALCULATED BY \_\_\_\_\_


WEATHER Sunny

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


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	✓	✓	✓	
31				
30	✓			
29	✓			
28	✓			
27	✓			
26	✓			
25	✓			
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	Number: 1	Author: jonathanh	Subject: Text Box	Date: 9/26/2022 2:29:32 PM
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	Number: 2	Author: jonathanh	Subject: Text Box	Date: 9/26/2022 2:29:38 PM
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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	<div> ALL WAY STOP</div> <div> SIGNAL</div> <div> SPEED SIGN</div> <div> CITY LIMITS</div> <div> CROSSWALK</div> <div> SCHOOL CROSSWALK</div>	
Vertical Alignment	Flat		
Street Width	92 Feet		
No. Lanes and Median	5/6-Lane Major Arterial		
Proposed Speed Zone	35 MPH		
85 <sup>th</sup> 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

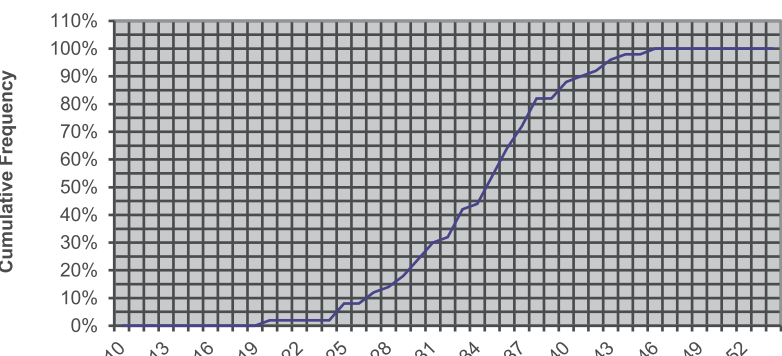
## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

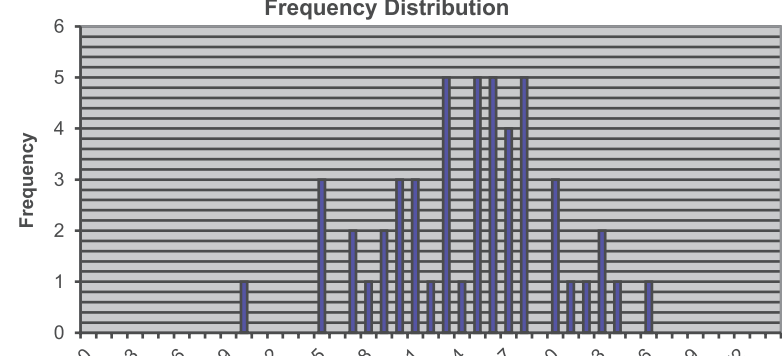
Street:	North Main Street	Direction:	NBD	Comments:
Between:	Laurel Drive and Alvin Drive	No. 57		
Survey Location:	Between Chaparral Street and Curtis Street			
Speed Limit:	35 MPH			
Date:	07/11/22			
Hours:	From: 12:31	Day:	Monday	
	To: 12:56	To:	12:56	
Weather:	Sunny			
Observer(s):	Chris B & Chris J.			

MPH	Frequency	Percent	Cumulative %	Data Analysis:			
10	0	0.00%	0.00%	<div><div>Time Mean Speed:34.4MPH</div><div>Sample Variance:29.92</div><div>Standard Deviation:5.5</div><div>Variance of the Mean:0.5984</div><div>Standard Error of the Mean:0.8</div><div>10 MPH Pace:29To:38MPH</div><div>Percent in Pace:68.0%</div><div>Vehicles in Pace:34</div><div>50th Percentile Speed:35MPH</div><div>85th Percentile Speed:40MPH</div><div>90th Percentile Speed:41MPH</div><div>95th Percentile Speed:43MPH</div></div>			
11	0	0.00%	0.00%				
12	0	0.00%	0.00%				
13	0	0.00%	0.00%				
14	0	0.00%	0.00%				
15	0	0.00%	0.00%				
16	0	0.00%	0.00%				
17	0	0.00%	0.00%				
18	0	0.00%	0.00%				
19	0	0.00%	0.00%				
20	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

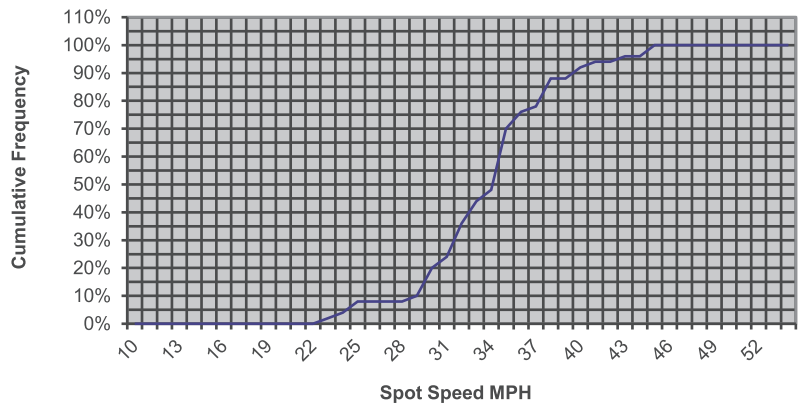
## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

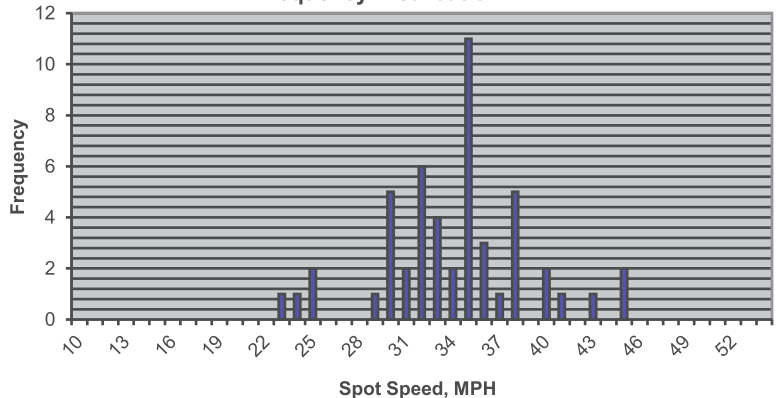
Street:	North Main Street	Direction:	SBD	Comments:
Between:	Laurel Drive and Alvin Drive	No. 57		
Survey Location:	Between Chaparral Street and Curtis Street			
Speed Limit:	35 MPH			
Date:	07/11/22			
Hours:	From: 12:31	Day:	Monday	
	To: 12:56	To:	12:56	
Weather:	Sunny			
Observer(s):	Chris B & Chris J.			

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	<b>Data Analysis:</b>
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	0	0.00%	0.00%	
19	0	0.00%	0.00%	
20	0	0.00%	0.00%	Time Mean Speed: 34.1 MPH
21	0	0.00%	0.00%	Sample Variance: 22.24
22	0	0.00%	0.00%	Standard Deviation: 4.7
23	1	2.00%	2.00%	Variance of the Mean: 0.4448
24	1	2.00%	4.00%	Standard Error of the Mean: 0.7
25	2	4.00%	8.00%	10 MPH Pace: 29 To: 38 MPH
26	0	0.00%	8.00%	Percent in Pace: 80.0%
27	0	0.00%	8.00%	Vehicles in Pace: 40
28	0	0.00%	8.00%	50th Percentile Speed: 35 MPH
29	1	2.00%	10.00%	85th Percentile Speed: 38 MPH
30	5	10.00%	20.00%	90th Percentile Speed: 40 MPH
31	2	4.00%	24.00%	95th Percentile Speed: 43 MPH
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:	NBD/SBD		Comments:
Between:	Laurel Drive and Alvin Drive	No. 57			
Survey Location:	Between Chaparral Street and Curtis Street				
Speed Limit:	35 MPH				
Date:	07/11/22				
Hours:	From: 12:31	Day:	Monday		
	To: 12:56				
Weather:	Sunny				
Observer(s):	Chris B & Chris J.				

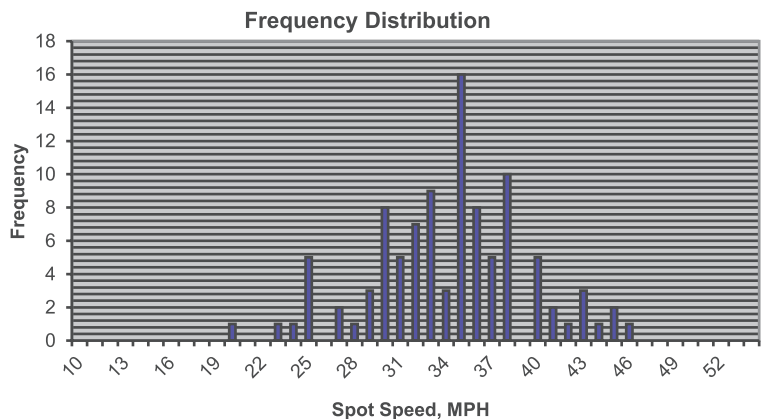
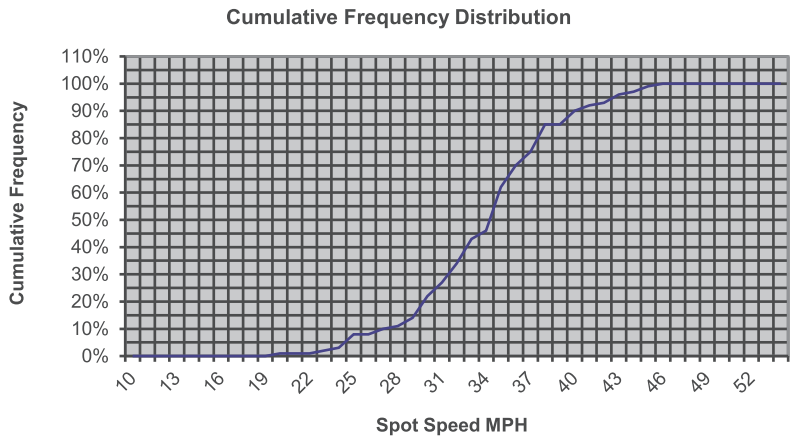
MPH	Frequency	Percent	Cumulative %	Data Analysis:			
10	0	0.00%	0.00%	<div>Time Mean Speed: 34.3 MPH</div> <div>Sample Variance: 25.85</div> <div>Standard Deviation: 5.1</div> <div>Variance of the Mean: 0.2585</div> <div>Standard Error of the Mean: 0.5</div> <div>10 MPH Pace: 29 To: 38 MPH</div> <div>Percent in Pace: 74.0%</div> <div>Vehicles in Pace: 74</div> <div>50th Percentile Speed: 35 MPH</div> <div>85th Percentile Speed: 38 MPH</div> <div>90th Percentile Speed: 40 MPH</div> <div>95th Percentile Speed: 43 MPH</div>			
11	0	0.00%	0.00%				
12	0	0.00%	0.00%				
13	0	0.00%	0.00%				
14	0	0.00%	0.00%				
15	0	0.00%	0.00%				
16	0	0.00%	0.00%				
17	0	0.00%	0.00%				
18	0	0.00%	0.00%				
19	0	0.00%	0.00%				
20	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

Spot Speed MPH	Cumulative Frequency
10	0
11	0
12	0
13	0
14	0
15	0
16	0
17	0
18	0
19	0
20	1
21	1
22	1
23	2
24	3
25	8
26	8
27	10
28	11
29	14
30	22
31	27
32	34
33	43
34	46
35	62
36	70
37	75
38	85
39	85
40	90
41	92
42	93
43	96
44	97
45	99
46	100
47	100
48	100
49	100
50	100
51	100
52	100

Frequency Distribution

Spot Speed, MPH	Frequency
10	0
11	0
12	0
13	0
14	0
15	0
16	0
17	0
18	0
19	0
20	1
21	0
22	1
23	1
24	5
25	0
26	2
27	1
28	8
29	1
30	3
31	5
32	7
33	9
34	3
35	16
36	8
37	5
38	10
39	5
40	2
41	1
42	3
43	1
44	2
45	1
46	2
47	1
48	0
49	0
50	0
51	0
52	0



1

## SPEED SURVEY FIELD SHEET

SITE CODE

57

CITY OF SALINAS

LOCATION

North Main St btwn Laurel Dr + Alvin Dr

DATE

07-11-22

DAY

Friday

TIME

12:31

TO

12:56

OBSERVER

Chris J

CALCULATED BY

Chris B

WEATHER

Sunny

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








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





**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	
Distance	Approximately 5,900 Feet	 ALL WAY STOP	
Vertical Alignment	Flat	 SIGNAL	
Street Width	Varies (44 to 62 Feet)	 SPEED SIGN	
No. Lanes and Median	3-Lane Minor Arterial	 CITY LIMITS	
Proposed Speed Zone	40 MPH	 CROSSWALK	
85th Percentile Speed	41 MPH	 SCHOOL CROSSWALK	
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:	EBD	Comments:  No. 62
Between:	North Davis Road and North Main Street			
Survey Location:	Between Sansome Street and Martella Street			
Speed Limit:	40 MPH			
Date:	05/03/22	Day:	Tuesday	
Hours: From:	11:24	To:	12:00	
Weather:	Sunny			
Observer(s):	Emileo and Eva			

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	0	0.00%	0.00%	
19	0	0.00%	0.00%	
20	0	0.00%	0.00%	
21	0	0.00%	0.00%	
22	0	0.00%	0.00%	
23	0	0.00%	0.00%	
24	0	0.00%	0.00%	
25	0	0.00%	0.00%	
26	0	0.00%	0.00%	
27	0	0.00%	0.00%	
28	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%		

#### Data Analysis:

Time Mean Speed:	35.9	MPH
Sample Variance:	19.97	
Standard Deviation:	4.5	
Variance of the Mean:	0.3994	
Standard Error of the Mean:	0.6	
10 MPH Pace:	31	To: 40 MPH
Percent in Pace:	76.0%	
Vehicles in Pace:	38	
50th Percentile Speed:	36	MPH
85th Percentile Speed:	40	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:	WBD		Comments:
Between:	North Davis Road and North Main Street	No. 62			
Survey Location:	Between Sansome Street and Martella Street				
Speed Limit:	40 MPH				
Date:	05/03/22				
Hours:	From: 11:24	Day:	Tuesday		
	To: 12:00				
Weather:	Sunny				
Observer(s):	Emileo and Eva				

MPH	Frequency	Percent	Cumulative %	Data Analysis:			
10	0	0.00%	0.00%	<div><div>Time Mean Speed:35.4MPH</div><div>Sample Variance:31.88</div><div>Standard Deviation:5.6</div><div>Variance of the Mean:0.6376</div><div>Standard Error of the Mean:0.8</div><div>10 MPH Pace:30To:39MPH</div><div>Percent in Pace:66.0%</div><div>Vehicles in Pace:33</div><div>50th Percentile Speed:36MPH</div><div>85th Percentile Speed:42MPH</div><div>90th Percentile Speed:42MPH</div><div>95th Percentile Speed:44MPH</div></div>			
11	0	0.00%	0.00%				
12	0	0.00%	0.00%				
13	0	0.00%	0.00%				
14	0	0.00%	0.00%				
15	0	0.00%	0.00%				
16	0	0.00%	0.00%				
17	0	0.00%	0.00%				
18	0	0.00%	0.00%				
19	1	2.00%	2.00%				
20	0	0.00%	2.00%				
21	0	0.00%	2.00%				
22	1	2.00%	4.00%				
23	0	0.00%	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	1	2.00%	8.00%				
29	1	2.00%	10.00%				
30	4	8.00%	18.00%				
31	3	6.00%	24.00%				
32	3	6.00%	30.00%				
33	2	4.00%	34.00%				
34	3	6.00%	40.00%				
35	4	8.00%	48.00%				
36	5	10.00%	58.00%				
37	2	4.00%	62.00%				
38	5	10.00%	72.00%				
39	2	4.00%	76.00%				
40	3	6.00%	82.00%				
41	1	2.00%	84.00%				
42	3	6.00%	90.00%				
43	1	2.00%	92.00%				
44	2	4.00%	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:	West Rossi Street	Direction:	EBD/WBD	No. 62	Comments:
Between:	North Davis Road and North Main Street				
Survey Location:	Between Sansome Street and Martella Street				
Speed Limit:	40 MPH				
Date:	05/03/22	Day:	Tuesday		
Hours:	From: 11:24	To:	12:00		
Weather:	Sunny				
Observer(s):	Emileo and Eva				

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	0	0.00%	0.00%	
19	1	1.00%	1.00%	
20	0	0.00%	1.00%	
21	0	0.00%	1.00%	
22	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%		

#### Data Analysis:

Time Mean Speed:	35.7	MPH
Sample Variance:	25.72	
Standard Deviation:	5.1	
Variance of the Mean:	0.2572	
Standard Error of the Mean:	0.5	
10 MPH Pace:	30	To: 39 MPH
Percent in Pace:	70.0%	
Vehicles in Pace:	70	
50th Percentile Speed:	36	MPH
85th Percentile Speed:	41	MPH
90th Percentile Speed:	42	MPH
95th Percentile Speed:	44	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution

# S<sup>1</sup>PEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE

02

LOCATION

Ross St btwn North Daws Rd + North Main St

DATE

05/03/2022 DAY Tuesday

TIME

11:24 TO 12:00

OBSERVER

Emilio

CALCULATED 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				
44	X			
43	X			
42	X			
41	X			
40	X			
39	X			
38	X	X		
37	X	X		
36	X	X		
35	X	X		
34	X	X		
33	X	X		
32	X	X		
31	X	X		
30	X			
29	X			
28	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			
44	X			
43	X			
42	X	X		
41	X			
40	X	X		
39	X	X		
38	X	X	X	
37	X	X	X	
36	X	X	X	
35	X	X	X	
34	X	X	X	
33	X	X	X	
32	X	X	X	
31	X	X	X	
30	X	X	X	
29	X			
28	X			
27				
26				
25	X			
24				
23				
22	X			
21				
20				
19	X			
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		ALL WAY STOP	
Vertical Alignment	Flat		SIGNAL	
Street Width	40 Feet		SPEED SIGN	
No. Lanes and Median	2-Lane Minor Arterial		CITY LIMITS	
Proposed Speed Zone	25 MPH		CROSSWALK	
85 <sup>th</sup> Percentile Speed	29 MPH		SCHOOL CROSSWALK	
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:	WBD	No. 77	Comments:
Between:	Iverson Street and West Alisal Street				
Survey Location:	Between San Vicente Avenue and Sierra Madre Dr				
Speed Limit:	25 MPH				
Date:	03/02/22	Day:	Wednesday		
Hours:	From: 03:30	To:	04:00		
Weather:	Sunny				
Observer(s):	Emileo				

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	0	0.00%	0.00%	
19	1	2.00%	2.00%	
20	0	0.00%	2.00%	
21	1	2.00%	4.00%	
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%		

#### Data Analysis:

Time Mean Speed:	26.8	MPH
Sample Variance:	9.53	
Standard Deviation:	3.1	
Variance of the Mean:	0.1906	
Standard Error of the Mean:	0.4	
10 MPH Pace:	21	To: 30 MPH
Percent in Pace:	88.0%	
Vehicles in Pace:	44	
50th Percentile Speed:	26	MPH
85th Percentile Speed:	30	MPH
90th Percentile Speed:	30	MPH
95th Percentile Speed:	33	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution



# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	West Acacia Street	Direction:	EBD	Comments:  <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 77</div>
Between:	Iverson Street and West Alisal Street			
Survey Location:	Between San Vicente Avenue and Sierra Madre Dr			
Speed Limit:	25 MPH			
Date:	03/02/22	Day:	Wednesday	
Hours:	From: 03:30	To:	04:00	
Weather:	Sunny			
Observer(s):	Emileo			

MPH	Frequency	Percent	Cumulative %	Data Analysis:			
10	0	0.00%	0.00%	<div>Time Mean Speed: 24.6 MPH</div> <div>Sample Variance: 9.68</div> <div>Standard Deviation: 3.1</div> <div>Variance of the Mean: 0.1936</div> <div>Standard Error of the Mean: 0.4</div> <div>10 MPH Pace: 20 To: 29 MPH</div> <div>Percent in Pace: 94.0%</div> <div>Vehicles in Pace: 47</div> <div>50th Percentile Speed: 25 MPH</div> <div>85th Percentile Speed: 27 MPH</div> <div>90th Percentile Speed: 28 MPH</div> <div>95th Percentile Speed: 29 MPH</div>			
11	0	0.00%	0.00%				
12	0	0.00%	0.00%				
13	0	0.00%	0.00%				
14	0	0.00%	0.00%				
15	0	0.00%	0.00%				
16	0	0.00%	0.00%				
17	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

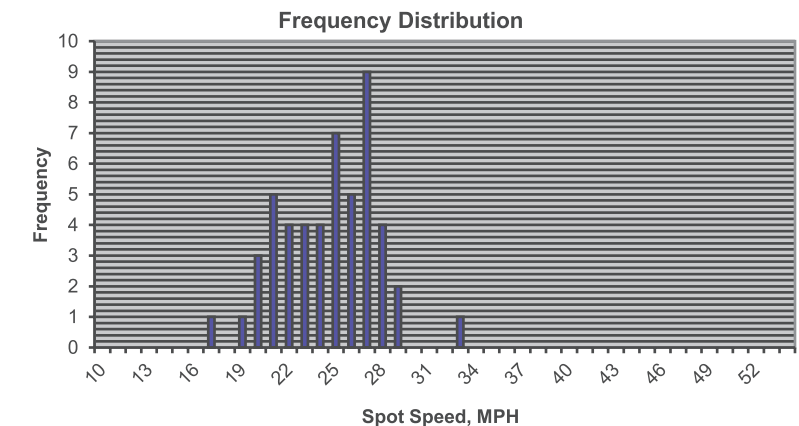
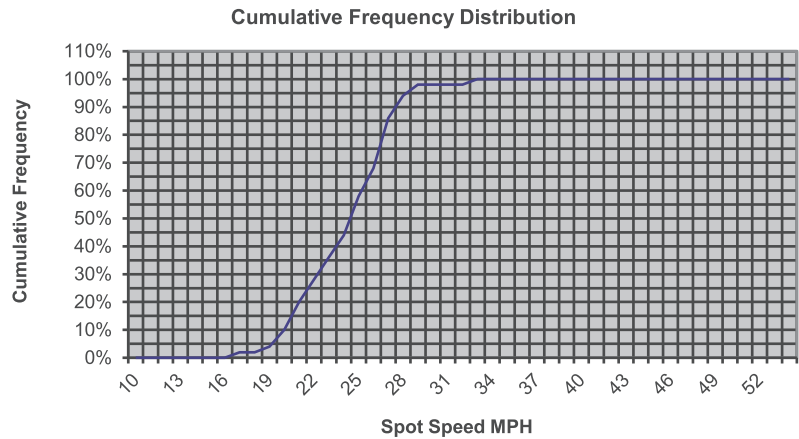
Cumulative Frequency

Spot Speed MPH

Frequency Distribution

Frequency

Spot Speed, MPH







# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	West Acacia Street	Direction:	WBD/EBD	No. 77	Comments:
Between:	Iverson Street and West Alisal Street				
Survey Location:	Between San Vicente Avenue and Sierra Madre Dr				
Speed Limit:	25 MPH				
Date:	03/02/22	Day:	Wednesday		
Hours:	From: 03:30	To:	04:00		
Weather:	Sunny				
Observer(s):	Emileo				

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	2	2.00%	3.00%	
20	3	3.00%	6.00%	
21	6	6.00%	12.00%	
22	7	7.00%	19.00%	
23	5	5.00%	24.00%	
24	8	8.00%	32.00%	
25	13	13.00%	45.00%	
26	14	14.00%	59.00%	
27	15	15.00%	74.00%	
28	9	9.00%	83.00%	
29	7	7.00%	90.00%	
30	4	4.00%	94.00%	
31	1	1.00%	95.00%	
32	1	1.00%	96.00%	
33	4	4.00%	100.00%	
34	0	0.00%	100.00%	
35	0	0.00%	100.00%	
36	0	0.00%	100.00%	
37	0	0.00%	100.00%	
38	0	0.00%	100.00%	
39	0	0.00%	100.00%	
40	0	0.00%	100.00%	
41	0	0.00%	100.00%	
42	0	0.00%	100.00%	
43	0	0.00%	100.00%	
44	0	0.00%	100.00%	
45	0	0.00%	100.00%	
46	0	0.00%	100.00%	
47	0	0.00%	100.00%	
48	0	0.00%	100.00%	
49	0	0.00%	100.00%	
50	0	0.00%	100.00%	
51	0	0.00%	100.00%	
52	0	0.00%	100.00%	
53	0	0.00%	100.00%	
54	0	0.00%	100.00%	
Totals:	100	100.00%		

#### Data Analysis:

Time Mean Speed:	25.7	MPH
Sample Variance:	10.73	
Standard Deviation:	3.3	
Variance of the Mean:	0.1073	
Standard Error of the Mean:	0.3	
10 MPH Pace:	21	To: 30 MPH
Percent in Pace:	88.0%	
Vehicles in Pace:	88	
50th Percentile Speed:	26	MPH
85th Percentile Speed:	29	MPH
90th Percentile Speed:	29	MPH
95th Percentile Speed:	31	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution

Between

San Vincente &  
Sierra Madre

1

# SPEED SURVEY FIELD SHEET

CITY OF SALINAS

2

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

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


|||||  
|||||

|||||  
|||||

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 Number: 1	Author: jonathanh	Subject: Text Box	Date: 9/26/2022 2:30:50 PM
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 Number: 2	Author: jonathanh	Subject: Text Box	Date: 9/26/2022 2:30:56 PM
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**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	ALL WAY STOP SIGNAL SPEED SIGN CITY LIMITS CROSSWALK SCHOOL CROSSWALK	
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:	EBD	<b>Comments:</b>  <b>No. 78</b>
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 %	
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%	
<b>Totals:</b>	<b>50</b>	<b>100.00%</b>		

#### Data Analysis:

Time Mean Speed:	34.4	MPH
Sample Variance:	37.01	
Standard Deviation:	6.1	
Variance of the Mean:	0.7402	
Standard Error of the Mean:	0.9	
10 MPH Pace:	28	To: 37 MPH
Percent in Pace:	56.0%	
Vehicles in Pace:	28	
50th Percentile Speed:	35	MPH
85th Percentile Speed:	41	MPH
90th Percentile Speed:	42	MPH
95th Percentile Speed:	43	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution

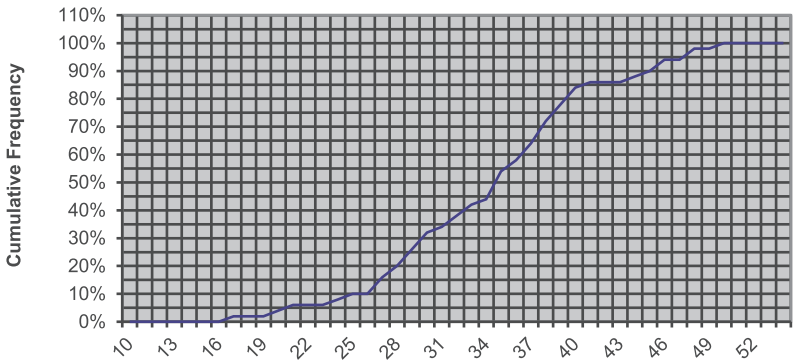
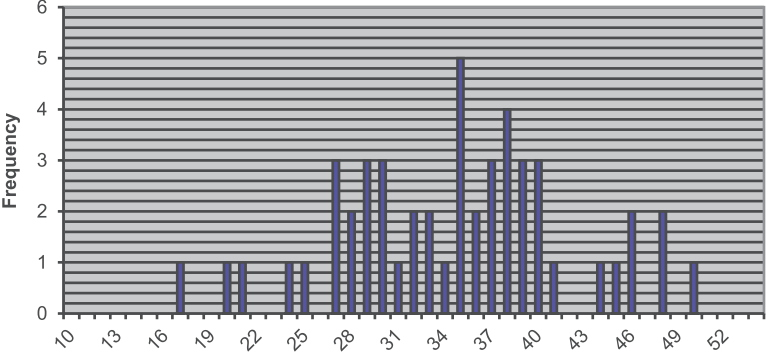


# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	East Alisal Street	Direction:	WBD	No. 78	Comments:
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%	<div>Time Mean Speed: 34.6 MPH</div> <div>Sample Variance: 54.49</div> <div>Standard Deviation: 7.4</div> <div>Variance of the Mean: 1.0898</div> <div>Standard Error of the Mean: 1.0</div> <div>10 MPH Pace: 29 To: 38 MPH</div> <div>Percent in Pace: 52.0%</div> <div>Vehicles in Pace: 26</div> <div>50th Percentile Speed: 35 MPH</div> <div>85th Percentile Speed: 41 MPH</div> <div>90th Percentile Speed: 45 MPH</div> <div>95th Percentile Speed: 48 MPH</div>		
11	0	0.00%	0.00%			
12	0	0.00%	0.00%			
13	0	0.00%	0.00%			
14	0	0.00%	0.00%			
15	0	0.00%	0.00%			
16	0	0.00%	0.00%			
17	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%	<div>Cumulative Frequency Distribution</div>  <div>Cumulative Frequency</div> <div>Spot Speed MPH</div>		
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%		<div>Frequency Distribution</div>  <div>Frequency</div> <div>Spot Speed, MPH</div>		

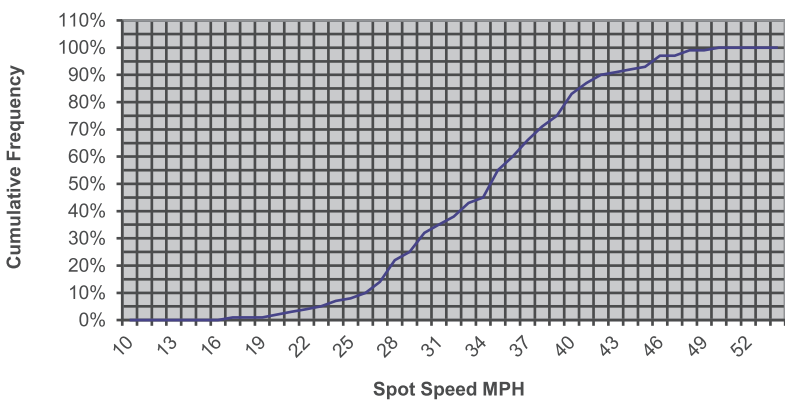
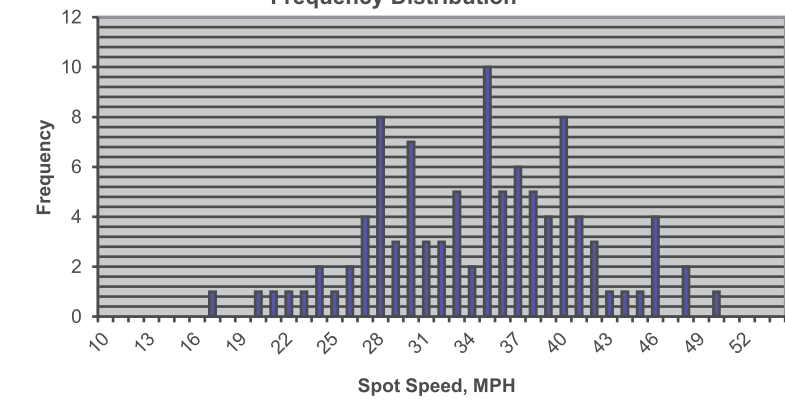


# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	East Alisal Street	Direction:	EBD/WBD	No. 78	Comments:
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 %	<i>Data Analysis:</i>	
10	0	0.00%	0.00%	<b>Time Mean Speed:</b> 34.5 MPH <b>Sample Variance:</b> 45.30 <b>Standard Deviation:</b> 6.7 <b>Variance of the Mean:</b> 0.4530 <b>Standard Error of the Mean:</b> 0.7 <b>10 MPH Pace:</b> 28 To: 37 MPH <b>Percent in Pace:</b> 52.0% <b>Vehicles in Pace:</b> 52	
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%	<b>50th Percentile Speed:</b> 35 MPH <b>85th Percentile Speed:</b> 41 MPH <b>90th Percentile Speed:</b> 42 MPH <b>95th Percentile Speed:</b> 46 MPH	
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%	<b>Cumulative Frequency Distribution</b> 	
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%	<b>Frequency Distribution</b> 	
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%			

Between  
E. Market & Tampa

# 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

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

|||||  
|||||

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	X	X		
49				
48	X	X		
47				
46	X	X		
45	X			
44	X			
43				
42				
41	X			
40	X	X	X	
39	X	X	X	
38	X	X	X	X
37	X	X	X	
36	X	X	X	
35	X	X	X	X
34	X			
33	X	X		
32	X	X		
31	X			
30	X	X	X	
29	X	X	X	
28	X	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				


|||||  
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	Number: 1	Author: jonathanh	Subject: Text Box	Date: 9/26/2022 2:31:45 PM
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	Number: 2	Author: jonathanh	Subject: Text Box	Date: 9/26/2022 2:31:39 PM
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**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		
Vertical Alignment	Flat		
Street Width	90 Feet		
No. Lanes and Median	6-Lane Major Arterial		
Proposed Speed Zone	40 MPH		
85 <sup>th</sup> Percentile Speed	43 MPH		
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		
		ALL WAY STOP SIGNAL SPEED SIGN CITY LIMITS CROSSWALK SCHOOL CROSSWALK	



# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	Natividad Road	Direction:	SBD	Comments:
Between:	East Laurel Drive and Boronda Road	No. 85		
Survey Location:	Between Leslie Drive and Milbrae Street			
Speed Limit:	40 MPH			
Date:	07/18/22			
Hours:	From: 11:54	To:	12:29	
Weather:	Sunny			
Observer(s):	Chris B. & Chris J.			

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	0	0.00%	0.00%	
19	0	0.00%	0.00%	
20	0	0.00%	0.00%	
21	0	0.00%	0.00%	
22	0	0.00%	0.00%	
23	0	0.00%	0.00%	
24	0	0.00%	0.00%	
25	0	0.00%	0.00%	
26	0	0.00%	0.00%	
27	0	0.00%	0.00%	
28	0	0.00%	0.00%	
29	0	0.00%	0.00%	
30	0	0.00%	0.00%	
31	0	0.00%	0.00%	
32	0	0.00%	0.00%	
33	2	4.00%	4.00%	
34	4	8.00%	12.00%	
35	3	6.00%	18.00%	
36	1	2.00%	20.00%	
37	1	2.00%	22.00%	
38	5	10.00%	32.00%	
39	4	8.00%	40.00%	
40	10	20.00%	60.00%	
41	0	0.00%	60.00%	
42	3	6.00%	66.00%	
43	5	10.00%	76.00%	
44	5	10.00%	86.00%	
45	6	12.00%	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%		

#### Data Analysis:

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	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

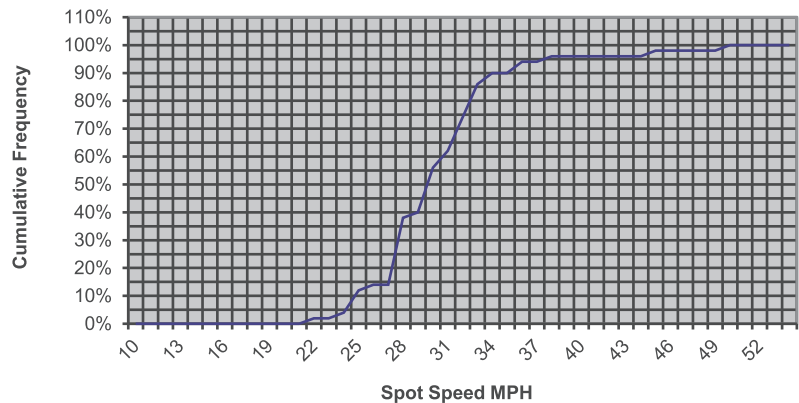
## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

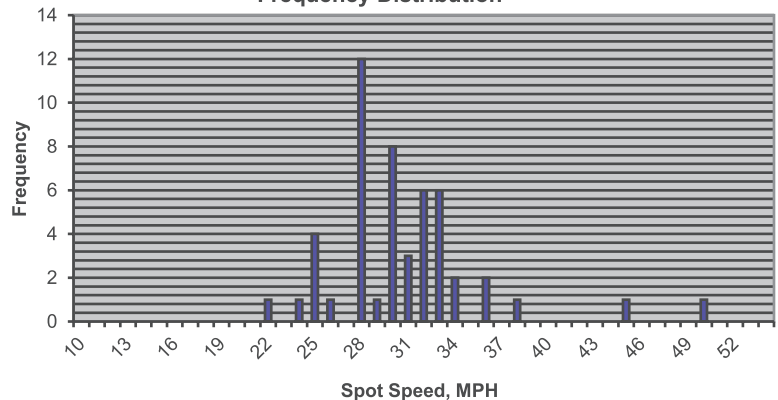
Street:	Natividad Road	Direction:	NBD		Comments:
Between:	East Laurel Drive and Boronda Road	No. 85			
Survey Location:	Between Leslie Drive and Milbrae Street				
Speed Limit:	40 MPH				
Date:	07/18/22				
Hours:	From: 11:54	To:	12:29		
Weather:	Sunny				
Observer(s):	Chris B. & Chris J.				

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	<b>Data Analysis:</b>
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	0	0.00%	0.00%	
19	0	0.00%	0.00%	
20	0	0.00%	0.00%	Time Mean Speed: 30.7 MPH
21	0	0.00%	0.00%	Sample Variance: 22.80
22	1	2.00%	2.00%	Standard Deviation: 4.8
23	0	0.00%	2.00%	Variance of the Mean: 0.4560
24	1	2.00%	4.00%	Standard Error of the Mean: 0.7
25	4	8.00%	12.00%	10 MPH Pace: 25 To: 34 MPH
26	1	2.00%	14.00%	Percent in Pace: 86.0%
27	0	0.00%	14.00%	Vehicles in Pace: 43
28	12	24.00%	38.00%	50th Percentile Speed: 30 MPH
29	1	2.00%	40.00%	85th Percentile Speed: 33 MPH
30	8	16.00%	56.00%	90th Percentile Speed: 34 MPH
31	3	6.00%	62.00%	95th Percentile Speed: 38 MPH
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	No. 85	Comments:
Between:	East Laurel Drive and Boronda Road				
Survey Location:	Between Leslie Drive and Milbrae Street				
Speed Limit:	40 MPH				
Date:	07/18/22	Day:	Monday		
Hours:	From: 11:54	To:	12:29		
Weather:	Sunny				
Observer(s):	Chris B. & Chris J.				

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	0	0.00%	0.00%	
19	0	0.00%	0.00%	
20	0	0.00%	0.00%	
21	0	0.00%	0.00%	
22	1	1.00%	1.00%	
23	0	0.00%	1.00%	
24	1	1.00%	2.00%	
25	4	4.00%	6.00%	
26	1	1.00%	7.00%	
27	0	0.00%	7.00%	
28	12	12.00%	19.00%	
29	1	1.00%	20.00%	
30	8	8.00%	28.00%	
31	3	3.00%	31.00%	
32	6	6.00%	37.00%	
33	8	8.00%	45.00%	
34	6	6.00%	51.00%	
35	3	3.00%	54.00%	
36	3	3.00%	57.00%	
37	1	1.00%	58.00%	
38	6	6.00%	64.00%	
39	4	4.00%	68.00%	
40	10	10.00%	78.00%	
41	0	0.00%	78.00%	
42	3	3.00%	81.00%	
43	5	5.00%	86.00%	
44	5	5.00%	91.00%	
45	7	7.00%	98.00%	
46	0	0.00%	98.00%	
47	0	0.00%	98.00%	
48	0	0.00%	98.00%	
49	1	1.00%	99.00%	
50	1	1.00%	100.00%	
51	0	0.00%	100.00%	
52	0	0.00%	100.00%	
53	0	0.00%	100.00%	
54	0	0.00%	100.00%	
Totals:	100	100.00%		

#### Data Analysis:

Time Mean Speed:	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

2

1

## SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE

85

LOCATION

Natividad Rd btwn East Laurel Dr + Berenda Rd

DATE

7-18-22 DAY Monday

TIME

11:54

TO

12:29

OBSERVER

Chris B

CALCULATED BY

Chris J.

WEATHER

Sunny

Direction:

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

Direction:

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

Handwritten tally marks (vertical lines) are present between the two tables, likely representing vehicle counts for specific speed ranges.

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 Number: 1	Author: jonathanh	Subject: Text Box	Date: 9/26/2022 2:32:10 PM
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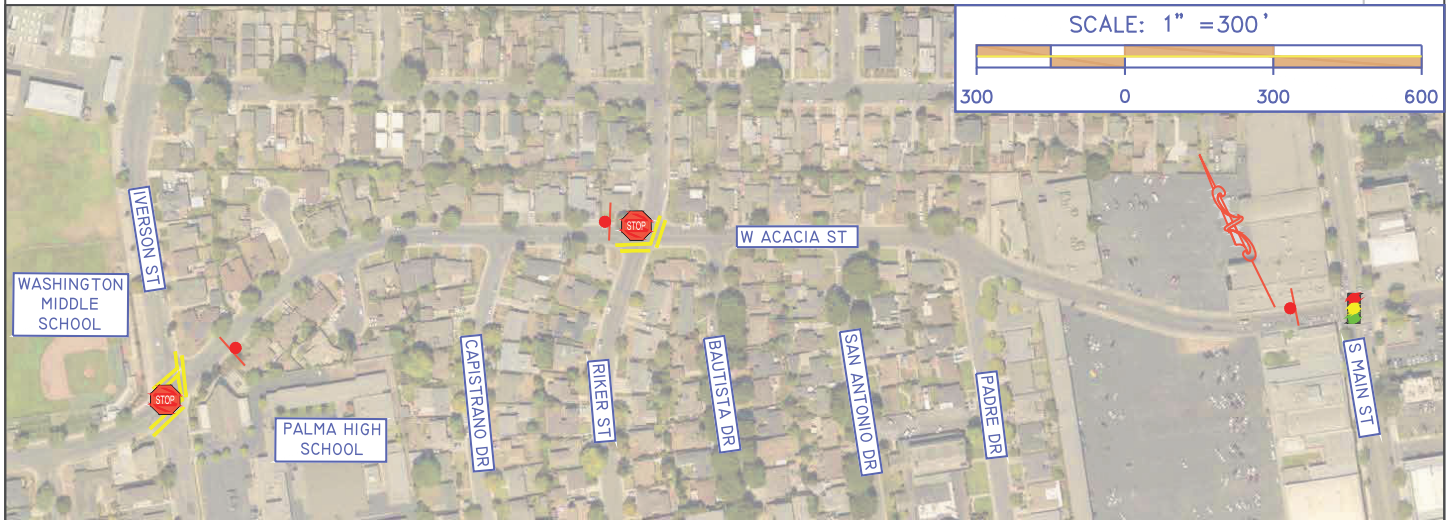
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**CITY OF SALINAS  
TRANSPORTATION & ENGINEERING  
TRAFFIC SURVEY**

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:	WBD	Comments:  <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 89</div>
Between:	Iverson Street and South Main Street			
Survey Location:	Between Bautista Drive and San Antonio Drive			
Speed Limit:	25 MPH			
Date:	02/23/22	Day:	Wednesday	
Hours: From:	03:20	To:	03:45	
Weather:	Sunny			
Observer(s):	Emilio and Zach			

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	1	2.00%	2.00%	
19	0	0.00%	2.00%	
20	0	0.00%	2.00%	
21	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%		

#### Data Analysis:

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:	EBD	Comments:
Between:	Iverson Street and South Main Street	No. 89		
Survey Location:	Between Bautista Drive and San Antonio Drive			
Speed Limit:	25 MPH			
Date:	02/23/22			
Hours:	From: 03:20	To:	03:45	
Weather:	Sunny			
Observer(s):	Emilio and Zach			

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	<b>Data Analysis:</b>
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	0	0.00%	0.00%	
19	0	0.00%	0.00%	
20	0	0.00%	0.00%	Time Mean Speed: 28.2 MPH
21	1	2.00%	2.00%	Sample Variance: 9.61
22	1	2.00%	4.00%	Standard Deviation: 3.1
23	2	4.00%	8.00%	Variance of the Mean: 0.1922
24	4	8.00%	16.00%	Standard Error of the Mean: 0.4
25	0	0.00%	16.00%	10 MPH Pace: 23 To: 32 MPH
26	6	12.00%	28.00%	Percent in Pace: 88.0%
27	5	10.00%	38.00%	Vehicles in Pace: 44
28	8	16.00%	54.00%	50th Percentile Speed: 28 MPH
29	6	12.00%	66.00%	85th Percentile Speed: 31 MPH
30	7	14.00%	80.00%	90th Percentile Speed: 32 MPH
31	3	6.00%	86.00%	95th Percentile Speed: 33 MPH
32	3	6.00%	92.00%	
33	2	4.00%	96.00%	
34	1	2.00%	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:	West Acacia Street	Direction:	WBD/EBD	No. 89	Comments:
Between:	Iverson Street and South Main Street				
Survey Location:	Between Bautista Drive and San Antonio Drive				
Speed Limit:	25 MPH				
Date:	02/23/22	Day:	Wednesday		
Hours:	From: 03:20	To:	03:45		
Weather:	Sunny				
Observer(s):	Emilio and Zach				

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	1	1.00%	1.00%	
19	0	0.00%	1.00%	
20	0	0.00%	1.00%	
21	1	1.00%	2.00%	
22	4	4.00%	6.00%	
23	4	4.00%	10.00%	
24	8	8.00%	18.00%	
25	7	7.00%	25.00%	
26	11	11.00%	36.00%	
27	10	10.00%	46.00%	
28	9	9.00%	55.00%	
29	12	12.00%	67.00%	
30	15	15.00%	82.00%	
31	6	6.00%	88.00%	
32	5	5.00%	93.00%	
33	2	2.00%	95.00%	
34	1	1.00%	96.00%	
35	3	3.00%	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%		

#### Data Analysis:

Time Mean Speed:	27.8	MPH
Sample Variance:	11.66	
Standard Deviation:	3.4	
Variance of the Mean:	0.1166	
Standard Error of the Mean:	0.3	
10 MPH Pace:	23	To: 32 MPH
Percent in Pace:	87.0%	
Vehicles in Pace:	87	
50th Percentile Speed:	28	MPH
85th Percentile Speed:	31	MPH
90th Percentile Speed:	32	MPH
95th Percentile Speed:	33	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution

1

## SPEED SURVEY FIELD SHEET

SITE CODE

89

CITY OF SALINAS

LOCATION

West Acacia St. btwn Iverson St + South Main St

DATE

02/23/2022

DAY

Wednesday

TIME

2:20

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	X			
35	X			
34	X			
33	X			
32	X			
31	X			
30	X			
29	X			
28	X			
27	X			
26	X			
25	X			
24	X			
23	X			
22	X			
21	X			
20				
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				
55				
54				
53				
52				
51				
50				
49				
48				
47				
46				
45				
44				
43				
42				
41				
40				
39				
38				
37				
36				
35	X			
34	X			
33	X			
32	X			
31	X			
30	X			
29	X			
28	X			
27	X			
26	X			
25	X			
24	X			
23	X			
22	X			
21	X			
20				
19				
18				
17				
16				
15				
14				
13				
12				
11				
10				

|||||

|||||





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	

- ALL WAY STOP
- SIGNAL
- SPEED SIGN
- CITY LIMITS
- CROSSWALK
- SCHOOL CROSSWALK





# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	Arcadia Way	Direction:	WBD		Comments:
Between:	Natividad Road and El Dorado Drive	No. 90			
Survey Location:	Between Klamath Drive and Kent Street				
Speed Limit:	25 MPH				
Date:	05/03/22				
Hours:	From: 12:35	Day:	Tuesday		
	To: 01:30				
Weather:	Sunny				
Observer(s):	Emileo and Eva				

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

MPH	Frequency	Percent	Cumulative %	Data Analysis:			
10	0	0.00%	0.00%	<div>Time Mean Speed: 25.6 MPH</div> <div>Sample Variance: 18.57</div> <div>Standard Deviation: 4.3</div> <div>Variance of the Mean: 0.3714</div> <div>Standard Error of the Mean: 0.6</div> <div>10 MPH Pace: 22 To: 31 MPH</div> <div>Percent in Pace: 74.0%</div> <div>Vehicles in Pace: 37</div> <div>50th Percentile Speed: 26 MPH</div> <div>85th Percentile Speed: 30 MPH</div> <div>90th Percentile Speed: 31 MPH</div> <div>95th Percentile Speed: 32 MPH</div>			
11	0	0.00%	0.00%				
12	0	0.00%	0.00%				
13	0	0.00%	0.00%				
14	0	0.00%	0.00%				
15	1	2.00%	2.00%				
16	0	0.00%	2.00%				
17	1	2.00%	4.00%				
18	2	4.00%	8.00%				
19	2	4.00%	12.00%				
20	2	4.00%	16.00%				
21	2	4.00%	20.00%				
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

This graph displays the cumulative frequency of spot speeds. The x-axis represents Spot Speed MPH (10 to 52), and the y-axis represents Cumulative Frequency (0% to 110%). The curve starts at 0% for 10 MPH and reaches 100% at approximately 34 MPH, indicating that 100% of the observed speeds are at or below 34 MPH.

Spot Speed (MPH)	Cumulative Frequency (%)
10	0.00
11	0.00
12	0.00
13	0.00
14	0.00
15	0.00
16	0.00
17	2.00
18	4.00
19	8.00
20	12.00
21	16.00
22	20.00
23	28.00
24	32.00
25	34.00
26	54.00
27	62.00
28	74.00
29	84.00
30	88.00
31	94.00
32	98.00
33	100.00
34	100.00
35	100.00
36	100.00
37	100.00
38	100.00
39	100.00
40	100.00
41	100.00
42	100.00
43	100.00
44	100.00
45	100.00
46	100.00
47	100.00
48	100.00
49	100.00
50	100.00
51	100.00
52	100.00

Frequency Distribution

This histogram shows the frequency of spot speeds. The x-axis represents Spot Speed, MPH (10 to 52), and the y-axis represents Frequency (0 to 12). The distribution is unimodal and slightly right-skewed, with a peak frequency of 10 at 28 MPH.

Spot Speed (MPH)	Frequency
10	0
11	0
12	0
13	0
14	0
15	0
16	1
17	1
18	2
19	2
20	2
21	2
22	3
23	1
24	2
25	1
26	4
27	10
28	6
29	5
30	2
31	3
32	2
33	1
34	1
35	0
36	0
37	0
38	0
39	0
40	0
41	0
42	0
43	0
44	0
45	0
46	0
47	0
48	0
49	0
50	0
51	0
52	0





# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	Arcadia Way	Direction:	WBD/EBD	No. 90	Comments:
Between:	Natividad Road and El Dorado Drive				
Survey Location:	Between Klamath Drive and Kent Street				
Speed Limit:	25 MPH				
Date:	05/03/22	Day:	Tuesday		
Hours:	From: 12:35	To:	01:30		
Weather:	Sunny				
Observer(s):	Emileo and Eva				

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	1	1.00%	1.00%	
16	1	1.00%	2.00%	
17	2	2.00%	4.00%	
18	3	3.00%	7.00%	
19	3	3.00%	10.00%	
20	4	4.00%	14.00%	
21	5	5.00%	19.00%	
22	6	6.00%	25.00%	
23	4	4.00%	29.00%	
24	5	5.00%	34.00%	
25	8	8.00%	42.00%	
26	12	12.00%	54.00%	
27	6	6.00%	60.00%	
28	12	12.00%	72.00%	
29	9	9.00%	81.00%	
30	6	6.00%	87.00%	
31	6	6.00%	93.00%	
32	3	3.00%	96.00%	
33	1	1.00%	97.00%	
34	2	2.00%	99.00%	
35	0	0.00%	99.00%	
36	1	1.00%	100.00%	
37	0	0.00%	100.00%	
38	0	0.00%	100.00%	
39	0	0.00%	100.00%	
40	0	0.00%	100.00%	
41	0	0.00%	100.00%	
42	0	0.00%	100.00%	
43	0	0.00%	100.00%	
44	0	0.00%	100.00%	
45	0	0.00%	100.00%	
46	0	0.00%	100.00%	
47	0	0.00%	100.00%	
48	0	0.00%	100.00%	
49	0	0.00%	100.00%	
50	0	0.00%	100.00%	
51	0	0.00%	100.00%	
52	0	0.00%	100.00%	
53	0	0.00%	100.00%	
54	0	0.00%	100.00%	
Totals:	100	100.00%		

#### Data Analysis:

Time Mean Speed:	25.8	MPH
Sample Variance:	19.30	
Standard Deviation:	4.4	
Variance of the Mean:	0.1930	
Standard Error of the Mean:	0.4	
10 MPH Pace:	22	To: 31 MPH
Percent in Pace:	74.0%	
Vehicles in Pace:	74	
50th Percentile Speed:	26	MPH
85th Percentile Speed:	30	MPH
90th Percentile Speed:	31	MPH
95th Percentile Speed:	32	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution

# SPEED <sup>1</sup> SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE

90

LOCATION Arcadia Way btwn Natidad Rd + El Dorado Dr

DATE 05/03/2022 DAY Tuesday

TIME 12:35 TO 1:30

OBSERVER Emilia

CALCULATED BY Eva

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

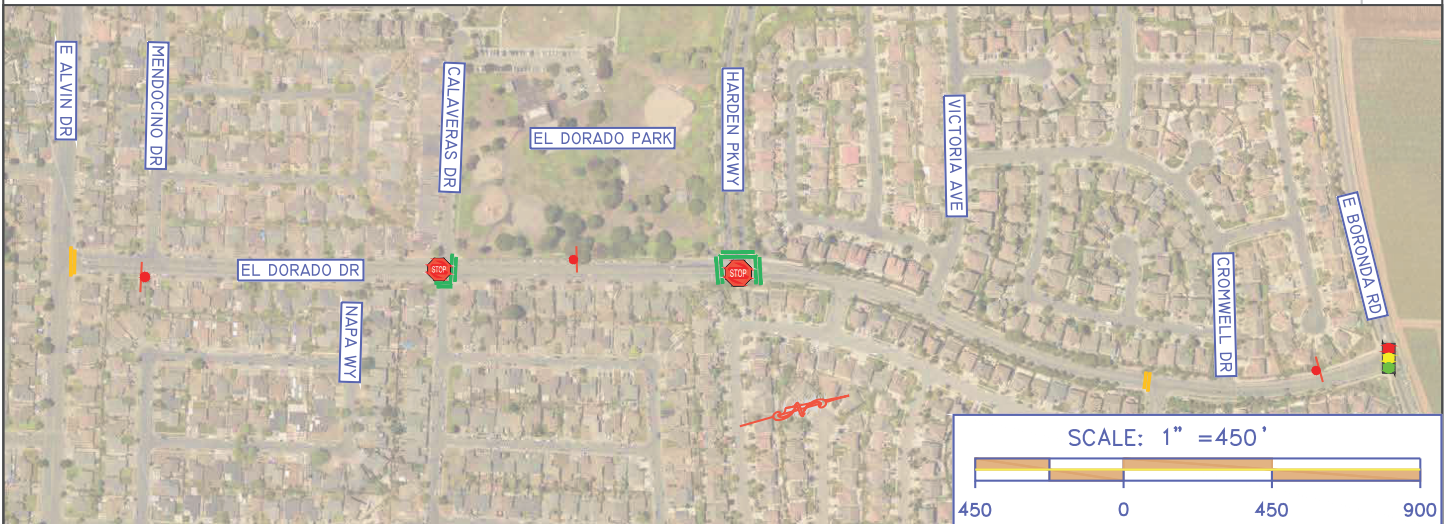
Direction: <u>Oncoming East</u>				
MPH	Number of Vehicles			
	5	10	15	20
70				
69				
68				
67				
66				
65				
64				
63				
62				
61				
60				
59				
58				
57				
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42				
41				
40				
39				
38				
37				
36				
35				
34				
33	X			
32	X	X		
31	X	X		
30	X	X		
29	X	X		
28	X	X		
27	X	X		
26	X	X		
25	X	X		
24	X	X		
23	X	X		
22	X	X		
21	X	X		
20	X	X		
19	X	X		
18	X	X		
17	X	X		
16	X	X		
15	X	X		
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	ALL WAY STOP SIGNAL SPEED SIGN CITY LIMITS CROSSWALK SCHOOL CROSSWALK	
Vertical Alignment	Flat		
Street Width	60 Feet		
No. Lanes and Median	2-Lane Minor Arterial		
Proposed Speed Zone	25 MPH		
85 <sup>th</sup> 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		



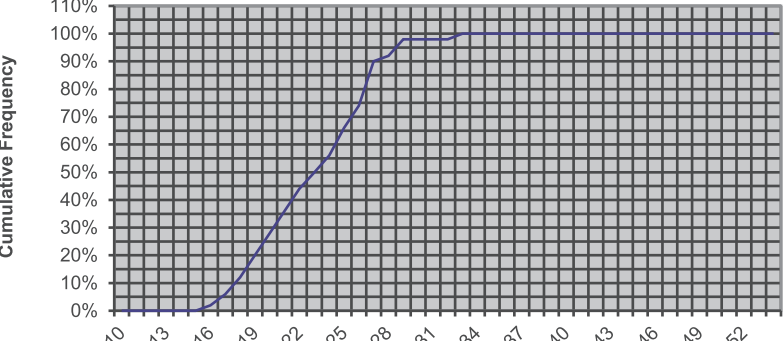
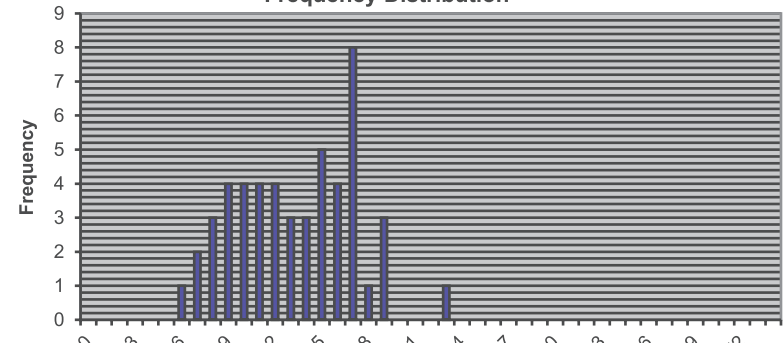


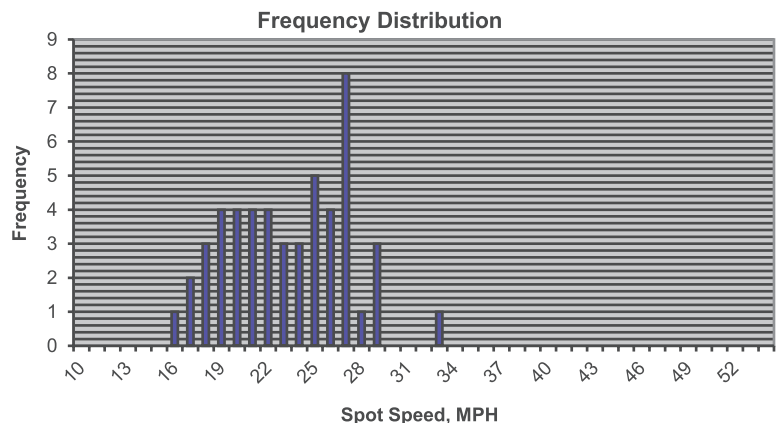
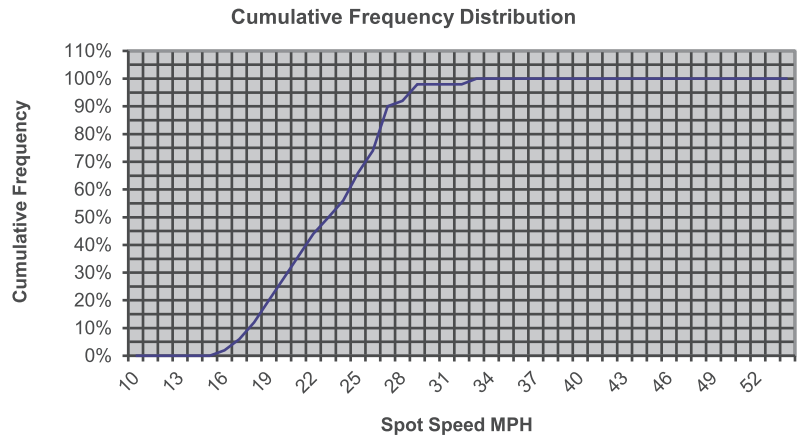
# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	El Dorado Drive	Direction: SBD	Comments:  <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 91</div>
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: Tuesday	
Hours: From:	12:15	To: 12:50	
Weather:	Overcast		
Observer(s):	Emelio		

MPH	Frequency	Percent	Cumulative %	Data Analysis:						
10	0	0.00%	0.00%	<div><div>Time Mean Speed:23.3MPH</div><div>Sample Variance:14.92</div><div>Standard Deviation:3.9</div><div>Variance of the Mean:0.2984</div><div>Standard Error of the Mean:0.5</div><div>10 MPH Pace:18To:27MPH</div><div>Percent in Pace:84.0%</div><div>Vehicles in Pace:42</div><div>50th Percentile Speed:23MPH</div><div>85th Percentile Speed:27MPH</div><div>90th Percentile Speed:27MPH</div><div>95th Percentile Speed:29MPH</div></div>						
11	0	0.00%	0.00%							
12	0	0.00%	0.00%							
13	0	0.00%	0.00%							
14	0	0.00%	0.00%							
15	0	0.00%	0.00%							
16	1	2.00%	2.00%							
17	2	4.00%	6.00%							
18	3	6.00%	12.00%							
19	4	8.00%	20.00%							
20	4	8.00%	28.00%							
21	4	8.00%	36.00%							
22	4	8.00%	44.00%							
23	3	6.00%	50.00%	<div><div>Cumulative Frequency Distribution</div></div>						
24	3	6.00%	56.00%							
25	5	10.00%	66.00%							
26	4	8.00%	74.00%							
27	8	16.00%	90.00%							
28	1	2.00%	92.00%							
29	3	6.00%	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%	<div><div>Frequency Distribution</div></div>						
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:	El Dorado Drive	Direction:	NBD	Comments:
Between:	East Alvin Drive and East Boronda Road	No. 91		
Survey Location:	Between Calaveras Drive and Harden Parkway			
Speed Limit:	25 MPH			
Date:	03/29/22			
Hours:	From: 12:15	To:	12:50	
Weather:	Overcast			
Observer(s):	Emelio			

MPH	Frequency	Percent	Cumulative %	<i>Data Analysis:</i>	
10	0	0.00%	0.00%		
11	0	0.00%	0.00%	Time Mean Speed:	25.7 MPH
12	0	0.00%	0.00%	Sample Variance:	13.18
13	0	0.00%	0.00%	Standard Deviation:	3.6
14	0	0.00%	0.00%	Variance of the Mean:	0.2636
15	0	0.00%	0.00%	Standard Error of the Mean:	0.5
16	0	0.00%	0.00%	10 MPH Pace:	22 To: 31 MPH
17	0	0.00%	0.00%	Percent in Pace:	86.0%
18	0	0.00%	0.00%	Vehicles in Pace:	43
19	3	6.00%	6.00%	50th Percentile Speed:	26 MPH
20	1	2.00%	8.00%	85th Percentile Speed:	30 MPH
21	0	0.00%	8.00%	90th Percentile Speed:	30 MPH
22	4	8.00%	16.00%	95th Percentile Speed:	32 MPH
23	9	18.00%	34.00%	Cumulative Frequency Distribution	
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%		Frequency Distribution 	

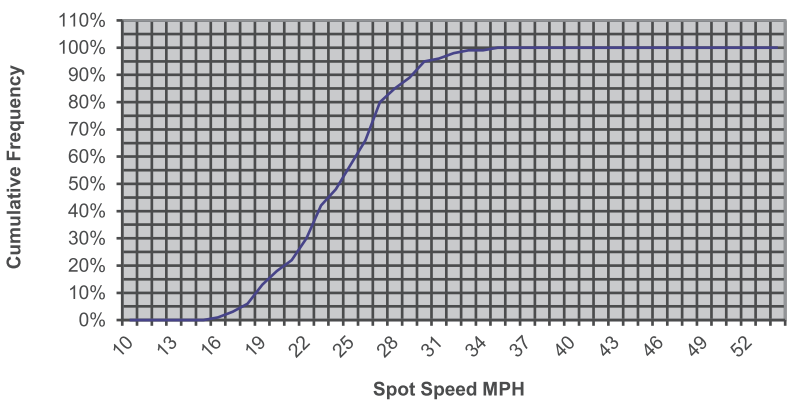
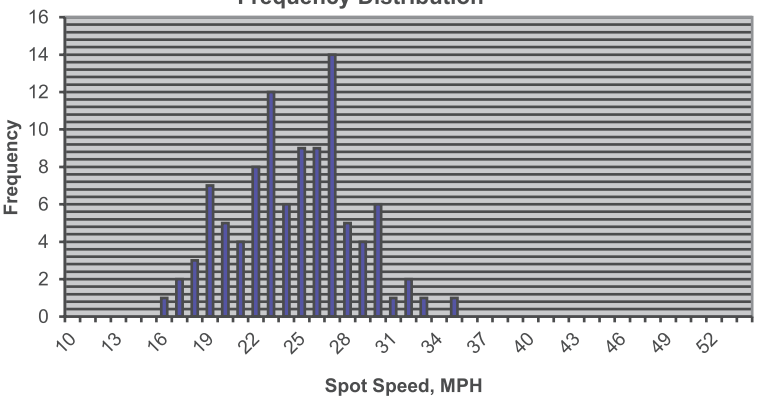


# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	El Dorado Drive	Direction:	SBD/NBD	No. 91	Comments:
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:	Tuesday		
Hours:	From: 12:15	To:	12:50		
Weather:	Overcast				
Observer(s):	Emelio				

MPH	Frequency	Percent	Cumulative %	<i>Data Analysis:</i>	
10	0	0.00%	0.00%		
11	0	0.00%	0.00%	Time Mean Speed: 24.5 MPH	
12	0	0.00%	0.00%		
13	0	0.00%	0.00%	Sample Variance: 15.38	
14	0	0.00%	0.00%		
15	0	0.00%	0.00%	Standard Deviation: 3.9	
16	1	1.00%	1.00%		
17	2	2.00%	3.00%	Variance of the Mean: 0.1538	
18	3	3.00%	6.00%		
19	7	7.00%	13.00%	Standard Error of the Mean: 0.4	
20	5	5.00%	18.00%		
21	4	4.00%	22.00%	10 MPH Pace: 19 To: 28 MPH	
22	8	8.00%	30.00%		
23	12	12.00%	42.00%	Percent in Pace: 79.0%	
24	6	6.00%	48.00%		
25	9	9.00%	57.00%	Vehicles in Pace: 79	
26	9	9.00%	66.00%		
27	14	14.00%	80.00%	50th Percentile Speed: 25 MPH	
28	5	5.00%	85.00%		
29	4	4.00%	89.00%	85th Percentile Speed: 28 MPH	
30	6	6.00%	95.00%		
31	1	1.00%	96.00%	90th Percentile Speed: 30 MPH	
32	2	2.00%	98.00%		
33	1	1.00%	99.00%	95th Percentile Speed: 30 MPH	
34	0	0.00%	99.00%		
35	1	1.00%	100.00%	<div style="text-align: center;">Cumulative Frequency Distribution</div> 	
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%		<div style="text-align: center;">Frequency Distribution</div> 	

1

## SPEED SURVEY FIELD SHEET

CITY OF SALINAS

2

3

SITE CODE

91

LOCATION

El Dorado Dr btwn East Alvin Dr + Berenda Rd

DATE

3/29/22

DAY

Tuesday

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				
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48				
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43				
42				
41				
40				
39				
38				
37				
36				
35				
34				
33	X			
32				
31				
30				
29	X	X		
28	X			
27	X	X	X	X
26	X	X	X	
25	X	X	X	
24	X	X	X	
23	X	X	X	
22	X	X	X	
21	X	X	X	
20	X	X	X	
19	X	X	X	
18	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
29	X			
28	X	X	X	
27	X	X	X	X
26	X	X	X	
25	X	X	X	
24	X	X	X	
23	X	X	X	X
22	X	X	X	X
21				
20	X			
19	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
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 Number: 2	Author: jonathanh	Subject: Text Box	Date: 9/26/2022 2:33:51 PM
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 Number: 3	Author: jonathanh	Subject: Text Box	Date: 9/26/2022 2:33:57 PM
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CITY OF SALINAS  
TRANSPORTATION & ENGINEERING  
TRAFFIC SURVEY








STREET: RIDER AVENUE  
BETWEEN: DEL MONTE AVE & FREEDOM PKWY  
SURVEY DATE: 06/03/2022 (EXPIRES IN 2027)

102



COMMENTS:

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.

AREA	DESCRIPTION	MAP SYMBOL	
Distance	Approximately 3,200 Feet	<div> ALL WAY STOP</div> <div> SIGNAL</div> <div> SPEED SIGN</div> <div> CITY LIMITS</div> <div> CROSSWALK</div> <div> SCHOOL CROSSWALK</div>	
Vertical Alignment	Flat		
Street Width	40 Feet		
No. Lanes and Median	2-Lane Major Collector		
Proposed Speed Zone	25 MPH		
85th Percentile Speed	31 MPH		
Traffic Volume (Date)	4,155 (2018)		
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		



# CITY OF SALINAS

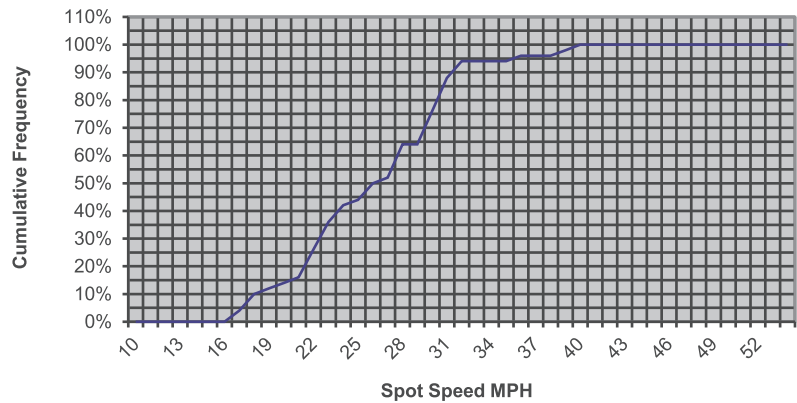
## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

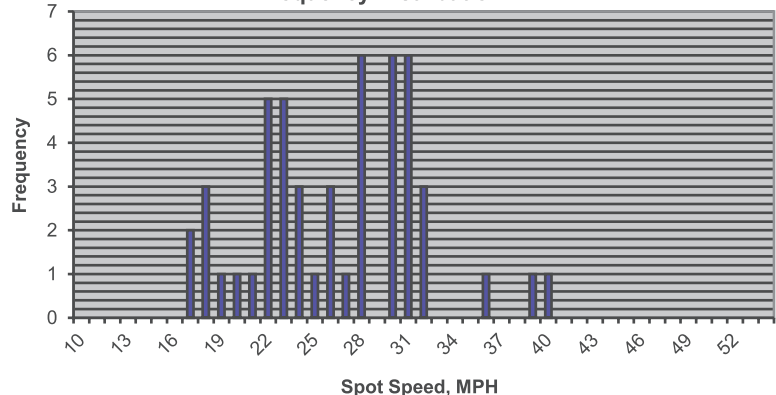
Street:	Rider Avenue	Direction:	WBD	Comments:
Between:	Del Monte Avenue and Freedom Parkway	No. 102		
Survey Location:	Between Mimbrera Way and Mazatlan Way			
Speed Limit:	25 MPH			
Date:	06/03/22			
Hours:	From: 11:57	To:	01:00	
Weather:	Sunny			
Observer(s):	Emi and Eva			

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	<b>Data Analysis:</b>
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%	Time Mean Speed: 26.4 MPH
21	1	2.00%	16.00%	Sample Variance: 29.35
22	5	10.00%	26.00%	Standard Deviation: 5.4
23	5	10.00%	36.00%	Variance of the Mean: 0.5870
24	3	6.00%	42.00%	Standard Error of the Mean: 0.8
25	1	2.00%	44.00%	10 MPH Pace: 22 To: 31 MPH
26	3	6.00%	50.00%	Percent in Pace: 72.0%
27	1	2.00%	52.00%	Vehicles in Pace: 36
28	6	12.00%	64.00%	50th Percentile Speed: 26 MPH
29	0	0.00%	64.00%	85th Percentile Speed: 31 MPH
30	6	12.00%	76.00%	90th Percentile Speed: 32 MPH
31	6	12.00%	88.00%	95th Percentile Speed: 36 MPH
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%		

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			
Survey Location:	Between Mimbrera 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 %	
10	1	2.00%	2.00%	
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%		

#### Data Analysis:

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	To: 28 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

#### Cumulative Frequency Distribution

#### Frequency Distribution





# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	Rider Avenue	Direction:	WBD/EBD	Comments:
Between:	Del Monte Avenue and Freedom Parkway	No. 102		
Survey Location:	Between Mimbrea Way and Mazatlan Way			
Speed Limit:	25 MPH			
Date:	06/03/22			
Hours:	From: 11:57	To:	01:00	
Weather:	Sunny			
Observer(s):	Emi and Eva			

MPH	Frequency	Percent	Cumulative %	<i>Data Analysis:</i>	
10	1	1.00%	1.00%		
11	0	0.00%	1.00%	Time Mean Speed:	25.6 MPH
12	0	0.00%	1.00%	Sample Variance:	34.75
13	1	1.00%	2.00%	Standard Deviation:	5.9
14	2	2.00%	4.00%	Variance of the Mean:	0.3475
15	1	1.00%	5.00%	Standard Error of the Mean:	0.6
16	2	2.00%	7.00%	10 MPH Pace:	22 To: 31 MPH
17	2	2.00%	9.00%	Percent in Pace:	67.0%
18	3	3.00%	12.00%	Vehicles in Pace:	67
19	4	4.00%	16.00%	50th Percentile Speed:	26 MPH
20	4	4.00%	20.00%	85th Percentile Speed:	31 MPH
21	2	2.00%	22.00%	90th Percentile Speed:	32 MPH
22	6	6.00%	28.00%	95th Percentile Speed:	36 MPH
23	5	5.00%	33.00%	<div style="text-align: left;">Cumulative Frequency Distribution</div>	
24	6	6.00%	39.00%		
25	6	6.00%	45.00%		
26	10	10.00%	55.00%		
27	6	6.00%	61.00%		
28	12	12.00%	73.00%		
29	2	2.00%	75.00%		
30	7	7.00%	82.00%		
31	7	7.00%	89.00%		
32	3	3.00%	92.00%		
33	0	0.00%	92.00%		
34	2	2.00%	94.00%		
35	0	0.00%	94.00%		
36	2	2.00%	96.00%		
37	1	1.00%	97.00%		
38	0	0.00%	97.00%		
39	1	1.00%	98.00%		
40	1	1.00%	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%		<div style="text-align: left;">Frequency Distribution</div>	

SITE CODE  
102

# SPEED SURVEY FIELD SHEET

CITY OF SALINAS DCI MONTE Freedom

LOCATION

Rider Ave btwn East Alvin Dr + Brenda Rd

DATE

6/3/2022 DAY Friday

TIME

11:57 TO 1:00

OBSERVER

Emi

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

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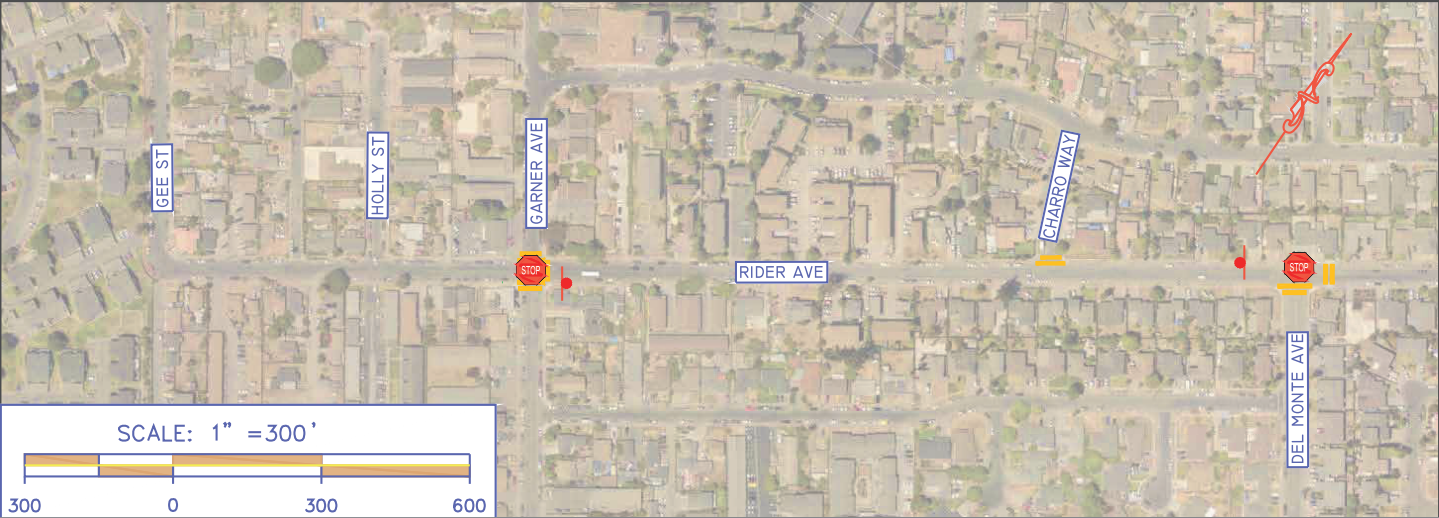
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CITY OF SALINAS  
TRANSPORTATION & ENGINEERING  
TRAFFIC SURVEY






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	 ALL WAY STOP	
Street Width	40 Feet	 SIGNAL	
No. Lanes and Median	2-Lane Collector	 SPEED SIGN	
Proposed Speed Zone	25 MPH	 CITY LIMITS	
85th Percentile Speed	28 MPH	 CROSSWALK	
Traffic Volume (Date)	3,498 (2022)	 SCHOOL CROSSWALK	
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:	<u>Rider Avenue</u>	Direction:	<u>WBD</u>	Comments:  <div style="border: 1px solid black; padding: 2px; margin-top: 10px;">No. 103</div>
Between:	<u>Del Monte Avenue and Gee Street</u>			
Survey Location:	<u>Between Garner Avenue and Charro Way</u>			
Speed Limit:	<u>25</u> MPH			
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 %		<i>Data Analysis:</i>
10	0	0.00%	0.00%		
11	0	0.00%	0.00%		
12	0	0.00%	0.00%		
13	0	0.00%	0.00%		
14	0	0.00%	0.00%		
15	0	0.00%	0.00%		
16	2	4.00%	4.00%		
17	1	2.00%	6.00%		
18	2	4.00%	10.00%		
19	0	0.00%	10.00%		
20	4	8.00%	18.00%		
21	1	2.00%	20.00%		
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%			

**Time Mean Speed:** 24.4 MPH

**Sample Variance:** 15.42

**Standard Deviation:** 3.9

**Variance of the Mean:** 0.3084

**Standard Error of the Mean:** 0.6

**10 MPH Pace:** 20 To: 29 MPH

**Percent in Pace:** 82.0%

**Vehicles in Pace:** 41

**50th Percentile Speed:** 25 MPH

**85th Percentile Speed:** 28 MPH

**90th Percentile Speed:** 28 MPH

**95th Percentile Speed:** 30 MPH

**Cumulative Frequency Distribution**

**Frequency Distribution**



# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	Rider Avenue	Direction:	EBD	Comments:
Between:	Del Monte Avenue and Gee Street	No. 103		
Survey Location:	Between Garner Avenue and Charro Way			
Speed Limit:	25 MPH			
Date:	05/03/22			
Hours:	From: 01:50	To:	02:53	
Weather:	Sunny			
Observer(s):	Emileo and Eva			

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	<b>Data Analysis:</b>
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	2	4.00%	6.00%	
20	6	12.00%	18.00%	Time Mean Speed: 24.1 MPH
21	3	6.00%	24.00%	Sample Variance: 13.09
22	10	20.00%	44.00%	Standard Deviation: 3.6
23	3	6.00%	50.00%	Variance of the Mean: 0.2618
24	5	10.00%	60.00%	Standard Error of the Mean: 0.5
25	2	4.00%	64.00%	10 MPH Pace: 19 To: 28 MPH
26	6	12.00%	76.00%	Percent in Pace: 82.0%
27	1	2.00%	78.00%	Vehicles in Pace: 41
28	3	6.00%	84.00%	50th Percentile Speed: 23 MPH
29	2	4.00%	88.00%	85th Percentile Speed: 29 MPH
30	4	8.00%	96.00%	90th Percentile Speed: 30 MPH
31	1	2.00%	98.00%	95th Percentile Speed: 30 MPH
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:	WBD/EBD	Comments:
Between:	Del Monte Avenue and Gee Street			No. 103
Survey Location:	Between Garner Avenue and Charro Way			
Speed Limit:	25 MPH			
Date:	05/03/22	Day:	Tuesday	
Hours: From:	01:50	To:	02:53	
Weather:	Sunny			
Observer(s):	Emileo and Eva			

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	2	2.00%	2.00%	
17	1	1.00%	3.00%	
18	3	3.00%	6.00%	
19	2	2.00%	8.00%	
20	10	10.00%	18.00%	
21	4	4.00%	22.00%	
22	16	16.00%	38.00%	
23	7	7.00%	45.00%	
24	9	9.00%	54.00%	
25	7	7.00%	61.00%	
26	11	11.00%	72.00%	
27	6	6.00%	78.00%	
28	9	9.00%	87.00%	
29	3	3.00%	90.00%	
30	6	6.00%	96.00%	
31	2	2.00%	98.00%	
32	1	1.00%	99.00%	
33	0	0.00%	99.00%	
34	1	1.00%	100.00%	
35	0	0.00%	100.00%	
36	0	0.00%	100.00%	
37	0	0.00%	100.00%	
38	0	0.00%	100.00%	
39	0	0.00%	100.00%	
40	0	0.00%	100.00%	
41	0	0.00%	100.00%	
42	0	0.00%	100.00%	
43	0	0.00%	100.00%	
44	0	0.00%	100.00%	
45	0	0.00%	100.00%	
46	0	0.00%	100.00%	
47	0	0.00%	100.00%	
48	0	0.00%	100.00%	
49	0	0.00%	100.00%	
50	0	0.00%	100.00%	
51	0	0.00%	100.00%	
52	0	0.00%	100.00%	
53	0	0.00%	100.00%	
54	0	0.00%	100.00%	
Totals:	100	100.00%		

#### Data Analysis:

Time Mean Speed:	24.2	MPH
Sample Variance:	14.12	
Standard Deviation:	3.8	
Variance of the Mean:	0.1412	
Standard Error of the Mean:	0.4	
10 MPH Pace:	20	To: 29 MPH
Percent in Pace:	82.0%	
Vehicles in Pace:	82	
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

# SPEED SURVEY FIELD SHEET

CITY OF SALINAS

SITE CODE  
103

LOCATION Rider Ave btwn Del Monte Ave + Free St

DATE 05/03/2022 Tuesday

TIME 1:50 TO 2:53

OBSERVER Emilio

CALCULATED BY Eva

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

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

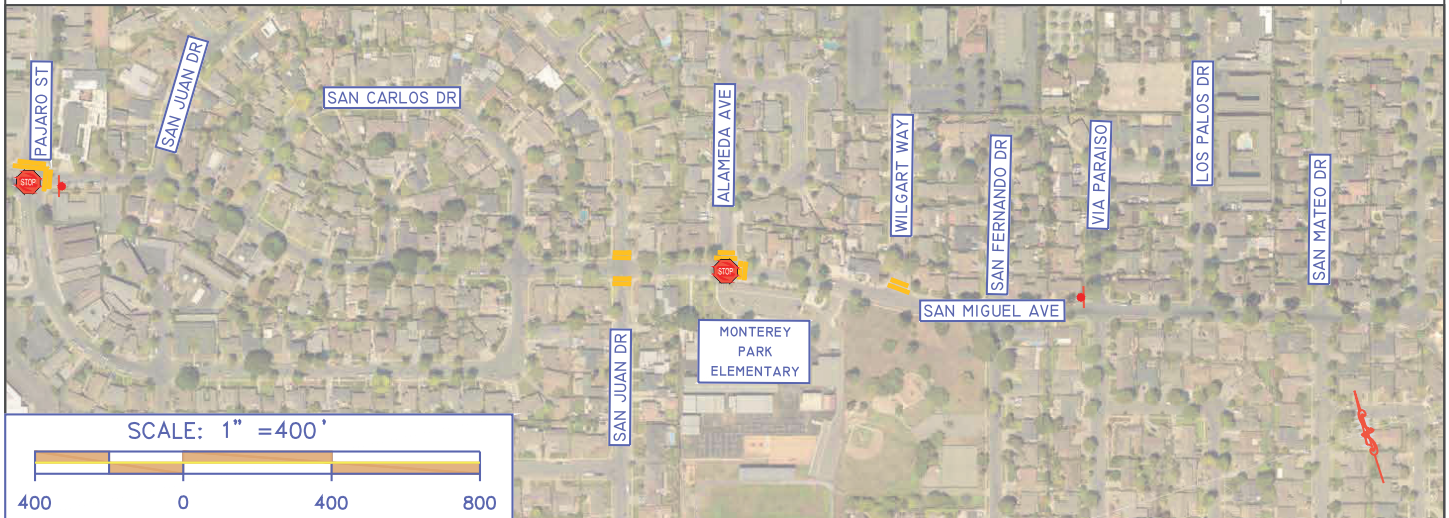




**CITY OF SALINAS  
TRANSPORTATION & ENGINEERING  
TRAFFIC SURVEY**

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		
		ALL WAY STOP SIGNAL SPEED SIGN CITY LIMITS CROSSWALK SCHOOL CROSSWALK	



# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	San Miguel Avenue	Direction:	WBD	Comments:
Between:	Pajaro Street and San Mateo Drive	No. 105		
Survey Location:	Between San Pedro Street and San Juan Drive			
Speed Limit:	25 MPH			
Date:	02/23/22			
Hours:	From: 02:10	To:	03:10	
Weather:	Sunny			
Observer(s):	Emileo and Zach			

MPH	Frequency	Percent	Cumulative %	
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%		

#### Data Analysis:

Time Mean Speed:	24.8	MPH
Sample Variance:	21.24	
Standard Deviation:	4.6	
Variance of the Mean:	0.4248	
Standard Error of the Mean:	0.7	
10 MPH Pace:	21	To: 30 MPH
Percent in Pace:	76.0%	
Vehicles in Pace:	38	
50th Percentile Speed:	26	MPH
85th Percentile Speed:	30	MPH
90th Percentile Speed:	30	MPH
95th Percentile Speed:	31	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution



# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	San Miguel Avenue	Direction:	EBD	Comments:
Between:	Pajaro Street and San Mateo Drive	No. 105		
Survey Location:	Between San Pedro Street and San Juan Drive			
Speed Limit:	25 MPH			
Date:	02/23/22			
Hours:	From: 02:10	To:	03:10	
Weather:	Sunny			
Observer(s):	Emileo and Zach			

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	<b>Data Analysis:</b>
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%	Time Mean Speed: 25.4 MPH
21	3	6.00%	12.00%	Sample Variance: 14.49
22	4	8.00%	20.00%	Standard Deviation: 3.8
23	6	12.00%	32.00%	Variance of the Mean: 0.2898
24	7	14.00%	46.00%	Standard Error of the Mean: 0.5
25	6	12.00%	58.00%	10 MPH Pace: 20 To: 29 MPH
26	4	8.00%	66.00%	Percent in Pace: 86.0%
27	5	10.00%	76.00%	Vehicles in Pace: 43
28	4	8.00%	84.00%	50th Percentile Speed: 25 MPH
29	2	4.00%	88.00%	85th Percentile Speed: 29 MPH
30	1	2.00%	90.00%	90th Percentile Speed: 32 MPH
31	0	0.00%	90.00%	95th Percentile Speed: 33 MPH
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:	WBD/EBD	Comments:
Between:	Pajaro Street and San Mateo Drive	No. 105		
Survey Location:	Between San Pedro Street and San Juan Drive			
Speed Limit:	25 MPH			
Date:	02/23/22			
Hours:	From: 02:10	To:	03:10	
Weather:	Sunny			
Observer(s):	Emileo and Zach			

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	1	1.00%	1.00%	
14	0	0.00%	1.00%	
15	1	1.00%	2.00%	
16	2	2.00%	4.00%	
17	2	2.00%	6.00%	
18	0	0.00%	6.00%	
19	2	2.00%	8.00%	
20	4	4.00%	12.00%	
21	5	5.00%	17.00%	
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%		

#### Data Analysis:

Time Mean Speed:	25.1	MPH
Sample Variance:	17.76	
Standard Deviation:	4.2	
Variance of the Mean:	0.1776	
Standard Error of the Mean:	0.4	
10 MPH Pace:	21	To: 30 MPH
Percent in Pace:	80.0%	
Vehicles in Pace:	80	
50th Percentile Speed:	25	MPH
85th Percentile Speed:	30	MPH
90th Percentile Speed:	30	MPH
95th Percentile Speed:	32	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution

Between  
San Pedro 2  
San Juan

1 SPEED SURVEY FIELD SHEET  
CITY OF SALINAS

SITE CODE  
105

LOCATION San Miguel Ave btwn Pajaro St + San Mateo Dr

DATE 2/23/22 DAY Wednesday TIME 2:10 PM TO 3:10

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

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|||||



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		ALL WAY STOP	
Vertical Alignment	Flat		SIGNAL	
Street Width	Varies (100 to 112 Feet)		SPEED LIMIT SIGN	
No. Lanes and Median	6-Lane Major Arterial		CITY LIMITS	
Proposed Speed Zone	35 MPH		CROSSWALK	
85 <sup>th</sup> Percentile Speed	35 MPH		SCHOOL CROSSWALK	
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:	SBD	Comments:
Between:	Alvin Drive and Boronda Road	No. 128		
Survey Location:	Between Madrid St/Harden Pkwy & San Juan Grade Rd			
Speed Limit:	35 MPH			
Date:	07/21/22			
Hours:	From: 10:45	To:	11:09	
Weather:	Sunny			
Observer(s):	Chris B. & Chris J.			

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	0	0.00%	0.00%	
19	0	0.00%	0.00%	
20	0	0.00%	0.00%	
21	0	0.00%	0.00%	
22	1	2.00%	2.00%	
23	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%		

#### Data Analysis:

Time Mean Speed:	30.9	MPH
Sample Variance:	19.84	
Standard Deviation:	4.5	
Variance of the Mean:	0.3968	
Standard Error of the Mean:	0.6	
10 MPH Pace:	27	To: 36 MPH
Percent in Pace:	72.0%	
Vehicles in Pace:	36	
50th Percentile Speed:	30	MPH
85th Percentile Speed:	35	MPH
90th Percentile Speed:	35	MPH
95th Percentile Speed:	39	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution



# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	North Main Street	Direction:	NBD	Comments:  No. 128
Between:	Alvin Drive and Boronda Road			
Survey Location:	Between Madrid St/Harden Pkwy & San Juan Grade Rd			
Speed Limit:	35 MPH			
Date:	07/21/22	Day:	Thursday	
Hours:	From: 10:45	To:	11:09	
Weather:	Sunny			
Observer(s):	Chris B. & Chris J.			

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	0	0.00%	0.00%	
19	0	0.00%	0.00%	
20	0	0.00%	0.00%	
21	0	0.00%	0.00%	
22	0	0.00%	0.00%	
23	1	2.00%	2.00%	
24	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%		

#### Data Analysis:

Time Mean Speed:	32.1	MPH
Sample Variance:	18.59	
Standard Deviation:	4.3	
Variance of the Mean:	0.3718	
Standard Error of the Mean:	0.6	
10 MPH Pace:	28	To: 37 MPH
Percent in Pace:	80.0%	
Vehicles in Pace:	40	
50th Percentile Speed:	33	MPH
85th Percentile Speed:	36	MPH
90th Percentile Speed:	37	MPH
95th Percentile Speed:	38	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution



# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	North Main Street	Direction:	SBD/NBD	Comments:
Between:	Alvin Drive and Boronda Road			No. 128
Survey Location:	Between Madrid St/Harden Pkwy & San Juan Grade Rd			
Speed Limit:	35 MPH			
Date:	07/21/22	Day:	Thursday	
Hours: From:	10:45	To:	11:09	
Weather:	Sunny			
Observer(s):	Chris B. & Chris J.			

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	0	0.00%	0.00%	
19	0	0.00%	0.00%	
20	0	0.00%	0.00%	
21	0	0.00%	0.00%	
22	1	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%		

#### Data Analysis:

Time Mean Speed:	31.5	MPH
Sample Variance:	19.38	
Standard Deviation:	4.4	
Variance of the Mean:	0.1938	
Standard Error of the Mean:	0.4	
10 MPH Pace:	28	To: 37 MPH
Percent in Pace:	76.0%	
Vehicles in Pace:	76	
50th Percentile Speed:	31	MPH
85th Percentile Speed:	35	MPH
90th Percentile Speed:	37	MPH
95th Percentile Speed:	38	MPH


#### Cumulative Frequency Distribution

#### Frequency Distribution






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 Number: 1	Author: jonathanh	Subject: Text Box	Date: 9/26/2022 2:35:42 PM
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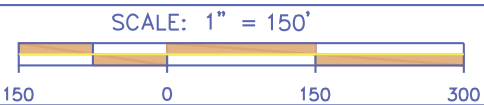
 Number: 2	Author: jonathanh	Subject: Text Box	Date: 9/26/2022 2:35:36 PM
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**CITY OF SALINAS  
TRANSPORTATION & ENGINEERING  
TRAFFIC SURVEY**

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 <sup>th</sup> 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:	WBD	Comments:  <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">No. 129</div>
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 %	
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	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%		

#### Data Analysis:

Time Mean Speed:	31.8	MPH
Sample Variance:	24.84	
Standard Deviation:	5.0	
Variance of the Mean:	0.4968	
Standard Error of the Mean:	0.7	
10 MPH Pace:	27	To: 36 MPH
Percent in Pace:	72.0%	
Vehicles in Pace:	36	
50th Percentile Speed:	31	MPH
85th Percentile Speed:	37	MPH
90th Percentile Speed:	38	MPH
95th Percentile Speed:	39	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution



# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	East Rossi Street	Direction:	EBD	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 %	
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%		

#### Data Analysis:

Time Mean Speed:	31.6	MPH
Sample Variance:	16.61	
Standard Deviation:	4.1	
Variance of the Mean:	0.3322	
Standard Error of the Mean:	0.6	
10 MPH Pace:	27	To: 36 MPH
Percent in Pace:	78.0%	
Vehicles in Pace:	39	
50th Percentile Speed:	30	MPH
85th Percentile Speed:	35	MPH
90th Percentile Speed:	36	MPH
95th Percentile Speed:	38	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution





# CITY OF SALINAS

## DEPARTMENT OF DEVELOPMENT & ENGINEERING SERVICES

### RADAR SURVEY

Street:	East Rossi Street	Direction:	WBD/EBD	Comments:
Between:	North Main Street and Sherwood Drive			No. 129
Survey Location:	Between California Street and Bridge Street			
Speed Limit:	25 MPH			
Date:	07/25/22			
Hours:	From:	11:21	To:	Monday 11:49
Weather:	Overcast			
Observer(s):	Chris B. & Chris J.			

MPH	Frequency	Percent	Cumulative %	
10	0	0.00%	0.00%	
11	0	0.00%	0.00%	
12	0	0.00%	0.00%	
13	0	0.00%	0.00%	
14	0	0.00%	0.00%	
15	0	0.00%	0.00%	
16	0	0.00%	0.00%	
17	0	0.00%	0.00%	
18	0	0.00%	0.00%	
19	0	0.00%	0.00%	
20	0	0.00%	0.00%	
21	1	1.00%	1.00%	
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%		

#### Data Analysis:

Time Mean Speed:	31.7	MPH
Sample Variance:	20.52	
Standard Deviation:	4.5	
Variance of the Mean:	0.2052	
Standard Error of the Mean:	0.5	
10 MPH Pace:	27	To: 36 MPH
Percent in Pace:	75.0%	
Vehicles in Pace:	75	
50th Percentile Speed:	30	MPH
85th Percentile Speed:	36	MPH
90th Percentile Speed:	38	MPH
95th Percentile Speed:	39	MPH

#### Cumulative Frequency Distribution

#### Frequency Distribution

SITE CODE

129

1

# SPEED SURVEY FIELD SHEET

CITY OF SALINAS

LOCATION

E. Rossi St btwn W Main St + Stonewall Dr

DATE

7-25-22

DAY

Monday

TIME

11:21

TO

OBSERVER

Chris J

CALCULATED BY

Chris B

WEATHER

overcast

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


Direction: E				
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			
35	XXXXXXXXXXXX			
34	XXXXXXXXXXXX			
33	XX			
32	XX			
31	XXXXXXXXXXXX			
30	XXXXXXXXXXXX			
29	XXXXXXXXXXXX			
28	XXXX			
27	XXXX			
26	XXXX			
25	XXXX			
24				
23	XX			
22				
21				
20				
19				
18				
17				
16				
15				
14				
13				
12				
11				
10				

Handwritten tally marks (vertical lines) are present between the two tables, likely representing additional vehicle counts or observations.

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	Number: 1	Author: jonathanh	Subject: Text Box	Date: 9/26/2022 2:35:58 PM
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	Number: 2	Author: jonathanh	Subject: Text Box	Date: 9/26/2022 2:36:09 PM
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