

# **SPEED ZONE STUDY**

## **CITY OF LAKEPORT**

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## I. INTRODUCTION

This speed zone survey was completed for the City of Lakeport by staff of the Lake County/City Area Planning Council under Work Element 606 of the 2022/23 Transportation Planning Work Program.

Various sections of the California Vehicle Code (CVC) contribute to the importance of conducting systematic speed zone surveys on the City's street system. Section 22352 describes those conditions where *prima facie* speed limits of 15 and 25 MPH apply. Section 22357 permits local authorities, on the basis of an engineering and traffic survey, to increase speed limits to 30, 35, 40, 45, 50, 55, or 60 miles per hour to facilitate the orderly movement of traffic on streets where a 25 MPH limit would otherwise apply. Similarly, Section 22358 permits local authorities to decrease speed limits, based upon an engineering and traffic study, to a speed below the maximum speed limit (C.V.C. Section 22349).

An engineering and traffic survey is defined in the California Vehicle Code to be a survey of highway and traffic conditions in accordance with methods determined by the Department of Transportation. The engineering and traffic survey specifically includes consideration of all of the following:

1. Prevailing speeds as determined by traffic engineering measurements.
2. Accident records.
3. Highway, traffic, and roadside conditions not readily apparent to the driver.

Study procedures following in this speed zone survey are consistent with California Vehicle Code requirements and California Department of Transportation methods for traffic and engineering surveys.

Traffic and engineering surveys are mandated by the legislature as a prerequisite to speed zone establishment to ensure that resulting speed zones are reasonable and safe. Reasonable speed limits are those that somewhat conform to the actual behavior of the majority of motorists who drive the street under study. Therefore, a major component of a traffic and engineering survey is a sample of prevailing speeds by radar or other electronic means, consistent with certain study procedures. Results of the spot speed survey are not conclusive, but must be reconciled with historic accident data and an analysis of road, traffic, and roadside conditions.

Over time, traffic, roadway, and roadside conditions may change. This, in turn, may affect accidents and prevailing speeds. Traffic flow is dynamic and may be affected by a number of factors ranging from nationwide economic conditions to local roadway improvements, or even roadway degradation.

In recognition of the dynamic nature of traffic flow and in a particular effort to eliminate the use of "speed traps", the legislature enacted C.V.C. Section 40802 in 1973. Section 40802 of the California Vehicle Code requires that speed zones be justified by an engineering and traffic

survey every five years if the local authority wishes to enforce the speed limit on that facility by radar or other electronic device. If specified Peace Officer Standards and Training as well as electronic detection method standards set by the National Traffic Highway Safety Administration are met by enforcing agencies, then surveys may be conducted on a seven-year rotation. Under certain circumstances the validity of a survey can be extended to ten years if verified by a registered engineer.

Section 40802 does not apply to a local street, road, or a school zone. For the purposes of determining the definition of a local street or road, the latest functional usage on federal-aid system maps submitted to the Federal Highway Administration shall be used. If such maps are not available, a “local street or road” means a street or road that primarily provides access to abutting residential property and meets the following three conditions:

1. Roadway width of not more than 40 feet.
2. Not more than one-half mile of uninterrupted length. Interruptions shall include official traffic control signals as defined in CVC Section 445.
3. Not more than one traffic lane in each direction.

#### **Additional Regulations on Setting Speed Limits**

On October 11, 2007 the California Traffic Control Devices Committee unanimously issued a decision regarding the establishment of speed limits on public highways in California. The substance of the decision is as follows:

- When a speed limit is to be posted as required and/or allowed by the California Vehicle Code (CVC), it shall be within 5 mph of the 85<sup>th</sup> percentile of speed for free-flowing traffic as determined by an Engineering & Traffic Survey (E&TS) as prescribed in the CA MUTCD.
- The posted speed limit might be further reduced by 5 mph, if conditions not readily apparent to a driver exist. Any such reduction shall fully comply with all appropriate sections of the CVC, especially Section 22358.5\*. The data used and reasoning for this 5 mph reduction shall be fully documented in writing and approved by a registered civil or traffic engineer licensed to practice in California.
- Under no conditions a posted speed limit anywhere in California shall be less than the 50<sup>th</sup> percentile speed as determined by an E&TS.

\*CVC Section 22358.5 *Downward Speed Zoning*: It is the intent of the Legislature 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, as the basic rule of section 22350 is sufficient regulation as to such conditions.

On May 15, 2009 Caltrans Director Kempton subsequently issued a directive establishing the procedure identified above for application to public highways in California.

## **II. STUDY PROCEDURE**

Radar spot speed studies procedures are outlined in the Caltrans Traffic Manual. Briefly, a sample of vehicle speeds is taken of vehicles moving in both directions at each of the survey sites. Studies are conducted from an inconspicuously parked, unmarked vehicle. Sample sizes of 100 vehicles are considered statistically adequate to derive good results. In some light areas, sample sizes are sometimes lower but represent at least two hours of survey time. Survey times are at off-peak hours (except in low volume areas) to ensure that recorded speeds reflected roadway conditions, not traffic conditions.

Care is also exercised to avoid an unrepresentative number of extremely slow or extremely fast vehicles in the sample.

For the 2023 spot speed survey, raw data was collected on the City streets using JAMAR Technologies, Inc. Apollyon traffic data recorders. The raw data was then processed with programs developed by JAMAR technologies to produce speed survey reports. This technology is especially valuable on very low volume streets, where cost effectiveness and sample size became issues in the data collection phase. The results of this technology provide data that proved to be consistent with data that had previously collected manually (with radar) on the City road system. Use of traffic data recorders has resulted in greatly increased sample sizes, which positively reflects on the accuracy of the data. Although speed data is meant to reflect unrestricted flow, uninfluenced by traffic conditions, traffic data recorders are usually deployed for a least two or three consecutive days. This time frame always includes a Tuesday, Wednesday, or Thursday, one or more of which will be used for data analysis. This captures all time periods, including peak flow periods that are normally avoided in speed study analysis. However, even peak flows rarely impact prevailing speeds in small communities and rural areas. Even so, data collected in peak periods is compared to non-peak periods to determine undue traffic influence and speed recommendations made accordingly.

In 2023, data collected by traffic recorders produced data inconsistent with previous history at 5 separate locations. Each one of these was field checked with a traditional hand-held radar device prior to development of final recommendations.

Accident data on the surveyed roadway was also reviewed. Traffic Collision History Reports were generated for a three-year period for calendar years 2020, 2021, and 2022. These were based on information provided by the California Highway Patrol's Statewide Integrated Traffic Records System reports. A summary of accident data gathered for each of the roadway segments surveyed appears in the appendix.

The third part of this study involved review of traffic and roadway conditions. Traffic factors noted included traffic controls, volume, parking and pedestrians. Roadway conditions reviewed included width, driveways, roadside development, curvature, shoulders, terrain, obstructions, structures, sight distance, and pavement conditions. Summaries of volume, traffic, and roadway conditions are incorporated into narratives in III – Findings and Analysis.

### **III. FINDINGS AND ANALYSIS**

Engineering and traffic survey analysis begins with review of spot speed study data. The meaning and significance of the various parameters used in spot speed study analysis follows:

1. 85th Percentile or Critical speed is that speed at or below which 85 percent of the observed vehicles are traveling. Through extensive nationwide study, it is generally agreed that the 85th Percentile speed represents the preferred speed of the reasonable and prudent driver under most conditions. Therefore, the 85th Percentile speed is the primary indicator of the speed limit which might be imposed unless modification is deemed appropriate due to accident, traffic, or roadway factors.
2. Pace is the 10 miles per hour range of observed speeds which contains the greatest number of observations. The 85th Percentile speed is generally at the upper end of the Pace or slightly outside this parameter.
3. Percent in Pace is a secondary indicator which shows what percentage of the entire sample lies within the Pace. The more vehicles in the Pace, the less likelihood there is of traffic collisions.
4. 50th Percentile Speed or Median Speed is that speed above and below which 50 percent of the sample speed lie.
5. Mode is that speed in the sample which recorded the highest number of observations. The Mode is frequently near the 50th Percentile speed and is almost always within the Pace.
6. Range of Speed is simply the speeds of the slowest and fastest vehicles observed. Wide ranges typically indicated the need for speed limit adjustment, enforcement, or other measures.

Once field data has been gathered and the above parameters have been calculated, professional judgment comes into play. Spot speed study results (chiefly the 85th Percentile Speed or Critical Speed), accident history, and traffic and roadway conditions must be considered to formulate a recommended speed. Weekday traffic volumes (average daily traffic - ADT) and Spot Speed Study results and recommended speeds based on this study are summarized in Table 1.

A discussion of considerations used for analysis for each of the 32 roadway segments which were surveyed in this study follows:

1. Armstrong Street (Berry Street - Main Street)  
Volume: 510 VPD 85<sup>th</sup> P: 31 MPH Pace: 21-30 MPH Existing SL.: Not Posted

Armstrong Street is a relatively low volume street. It is identified as a collector in the circulation element of the Lakeport General Plan. It extends from Berry Street to Main Street. The speed zone survey site between Lakeview and Estep was selected to represent Armstrong Street. Analysis of the results indicates a Critical Speed of 31 MPH, and a Pace of 21-30 MPH. Street width varies greatly, but is generally 24 to 36 feet in width. Curb and gutter exist in some areas, but generally there are no shoulders. There was one accident on this street during the analysis period. On 5/1/22 a collision occurred at the High Street intersection. Speed was not indicated as the contributing factor. The street is not currently posted.

This street is characterized by rolling topography and moderate vertical curvature. There are discontinuous pedestrian facilities, obscured intersections, and very poor pavement conditions.

**This street appears to meet criteria for designation as a Residence District per the California Vehicle Code. It is recommended a review of Residence District applicability be completed prior review in subsequent speed survey cycles. A speed limit of 25 MPH is recommended for this street.**

2. Bevins Street (Bevins Court – Martin Street)  
Volume: 3200 VPD 85<sup>th</sup> P: 35 MPH Pace: 27-36 MPH Existing SL.: 30 MPH

Bevins Street is a collector which extends from Lakeport Boulevard to Martin Street. Its use as a route between downtown Lakeport and the Route 20 freeway is increasing as volumes and associated congestion rise on South Main Street and Lakeport Boulevard. Current average volumes are approximately 3,200 per day. The site of the spot speed study for this segment was 275 feet south of Martin Street. The study area for the effect of this analysis ranges from Bevins Court to Martin Street. Results of the study indicate a Critical Speed of 36 MPH, and a Pace of 27-36 MPH for this segment. Sight distance limitations are a concern at Bevins Court, but a left turn lane, acceleration lane, and warning signs mitigate this situation. There was one reported accident during the analysis period. On 5/13/22 there was an accident at the intersection of Bevins Court. Speed was identified as the Primary Collision Factor.

This street segment is characterized by moderate traffic volumes, steep vertical curvature, horizontal curvature, a hilltop junction (Bevins Court), and significant roadside development. A speed limit lower than indicated by the 85<sup>th</sup> Percentile is warranted by conditions that may not be readily apparent to the reasonable and prudent driver.

**A speed limit of 30 MPH is recommended for this street segment.**

3. Bevins Street (Lakeport Boulevard – Bevins Court)  
Volume: 4250 VPD 85<sup>th</sup> P: 41 MPH Pace: 32-41 MPH Existing SL.: 30 MPH
- Bevins Street is a collector which extends from Lakeport Boulevard to Martin Street. Its use as a route between downtown Lakeport and the Route 20 freeway is increasing as volumes and associated congestions rise on South Main Street and Lakeport Boulevard. Current average volumes are approximately 4,250 per day. The site of the spot speed study is adjacent to O'Meara Brothers Brewery. The study area for the effect of this analysis ranges from Lakeport Boulevard to Bevins Court. Results of the study indicates a Critical Speed of 41 MPH, and a Pace of 32-41 MPH for this segment. Sight distance limitations are a concern at Bevins Court, but a left turn lane, acceleration lane, and warning signs mitigate this situation. There was one reported accident during the analysis period on 11/30/2020; speed was not reported as a factor.

This street segment is characterized by moderate traffic volumes, steep vertical curvature, horizontal curvature, a hilltop junction (Bevins Court), and roadside development. Non-motorized improvements are inconsistent. Conditions exist that are not readily apparent to the reasonable and prudent driver. A speed limit lower than indicated by the 85<sup>th</sup> Percentile speed is warranted.

**A speed limit of 35 MPH is recommended for this street segment.**

4. South Forbes Street (Martin Street – 6<sup>th</sup> Street)  
Volume: 2300 VPD 85<sup>th</sup> P: 34 mph Pace: 25-34 MPH Existing SL.: 30 MPH
- Forbes Street is a north-south arterial which supplements the Main Street arterial near downtown Lakeport. It extends from D Street to 16<sup>th</sup> Street, carrying approximately 2,300 vehicles per day. The selected spot speed study site between Armstrong and 1<sup>st</sup> Street is intended to represent conditions between Martin Street and 6<sup>th</sup> Street. Analysis of results indicate a Critical Speed of 34 MPH and a Pace of 25-34 MPH. There was one reported accident during the analysis period. On 8/30/2021 there was an accident reported at the Armstrong Street intersection. The Primary Collision Factor was not indicated as speed related.

This street is characterized by steep vertical curves and frequent pedestrian activity.

The speed limit on this segment of Forbes Street was increased from 25 mph to 30 mph as recommended in the 2006 Speed Zone Study. The Pace increased from 21-30 mph to 25-34 mph from 2011 to 2023. Analysis of prevailing conditions and accident data continues to support a 30 MPH speed limit in this street segment.

**A speed limit of 30 MPH is recommended for this segment of South Forbes Street.**

5. North Forbes Street (6<sup>th</sup> Street – Clear Lake Avenue)  
Volume: 2300 VPD 85<sup>th</sup> P: 33 MPH Pace: 24-33 MPH Existing SL.: 30 MPH

Forbes Street is a collector street from Martin Street to Clear Lake Avenue. The spot speed study location between 7<sup>th</sup> Street and 8<sup>th</sup> Street was selected to represent the collector portion of Forbes Street between 6<sup>th</sup> Street and Clear Lake Avenue. Study results at that location reveal a Critical Speed of 33 MPH, and a Pace of 24-33 MPH. Street width is 45 feet in this segment, which accommodates two through lanes and on-street parking. There is a moderate vertical curve in the vicinity of the spot speed location and traffic volume is 2,300 vehicles per day. There was one accident (injury) reported on North Forbes during the analysis period. It occurred at the intersection of First Street on 6/3/2022. Speed was not indicated as a factor in this collision.

The speed limit on this segment of Forbes Street was increased from 25 mph to 30 mph as recommended in the 2006 Speed Zone Study. The Critical Speed remained the same from 2011 to 2016. The Pace increased from 21-30 mph in 2011 to 24-33 mph in 2016 and remains at 24-33 in 2023. Although the Critical Speed increased by 1 MPH since 2016, the change is insignificant.

**A speed limit of 30 MPH is recommended for this segment of North Forbes Street.**

6. Giselman Street  
Volume: 310 VPD 85<sup>th</sup> P: 32 MPH Pace: 24-33 MPH Existing SL.: Not Posted

Giselman Street is a collector street which links Lakeshore Boulevard to Lange Street. It provides access to neighborhoods in north Lakeport but also functions as a major route to the city's three schools. Approximately 310 vehicles per day use this street. The spot speed study site between Hillcrest and Lange was selected to represent the entire street. A Critical Speed of 32 MPH and Pace of 24-33 MPH was derived from monitoring in the sample of this area. A steep vertical curve, cresting near Hillcrest Drive, is responsible for poor sight distance in the area of the curve. Stop controls require stopping near the crest of the hill. The street is within a school zone. Pedestrians are frequent. There were no reported accidents on this street during the analysis period (calendar years 2020, 2021 & 2022).

This street, a school route, is characterized by steep vertical curvature, discontinuous pedestrian facilities, and 3-Way STOP signs at Hillcrest (at the crest of a vertical curve). Conditions exist that are not readily apparent to the reasonable and prudent driver.

**This street appears to meet criteria for designation as a Residence District per the California Vehicle Code. It is recommended a review of Residence District applicability be completed prior to the next speed survey cycle. A speed limit of 25 MPH is recommended for this street.**

7. Hartley Street (Clear Lake Avenue – 20<sup>th</sup> Street)  
Volume: 1500 VPD 85<sup>th</sup> P: 35 MPH Pace: 26-35 MPH Existing SL.: Not Posted

Hartley Street is a collector street which serves neighborhoods of northwest Lakeport. The street extends from Clear Lake Avenue to the north city limits. A location between 16<sup>th</sup> and 17<sup>th</sup> Streets was selected to represent the segment between Clear Lake Avenue and 20<sup>th</sup> Street. Traffic volumes in this segment are approximately 1,500 per day. The speed survey at that point found a Critical Speed of 35 MPH and a Pace of 26-35 MPH. Street width in this segment varies from 24 to 38 feet, with on-street parking available in the wider areas. Sight distance is fair in most areas. There were no reported accidents within the three-year analysis period.

Hartley Street generally lacks shoulders, but curb and gutters are available in some developed areas. The street is characterized by moderate vertical curvature in rolling terrain, discontinuous pedestrian facilities, and poor pavement condition. Conditions are present which may not be readily recognized by the safe and prudent driver. A speed limit lower than indicated by the 85<sup>th</sup> Percentile is warranted by these roadway conditions.

**A speed limit of 30 MPH is recommended on this segment of Hartley Street.**

8. Hartley Street (20<sup>th</sup> Street – City Limits)  
Volume: 470 VPD 85<sup>th</sup> P: 43 MPH Pace: 33-42 MPH Existing SL.: 30MPH

An in-depth analysis and complete list of recommendations for this speed zone was included in the 2016 Speed Zone Study. It is unclear which of these recommendations have been implemented at this time. What is clear is that the Critical Speed and Pace monitored in this report is unlikely to be consistent with the expectations of a school zone which this street penetrates.

A new pedestrian access to the school complex was completed which could also result in more pedestrian travel in the future.

No change from the existing 30 MPH speed is recommended until yet further review of this segment is conducted. Re-evaluation and re-survey should be completed prior to implementing speed limit changes.

9. High Street (Clear Lake Avenue – 20<sup>th</sup> Street)  
Volume: 7250 VPD 85<sup>th</sup> P: 37 MPH Pace: 28-37 MPH Existing SL.: 30 MPH

High Street is a component of Lakeport's north-south arterial system which also includes Main Street, a portion of Clear Lake Avenue, and Lakeshore Boulevard. Volumes are high, recorded at 7,250 vehicles per day. The speed analysis site near 17<sup>th</sup> Street is intended to represent High Street between Clear Lake Avenue and 20<sup>th</sup> Street. Analysis of this spot speed survey indicates a Critical Speed of 37 MPH and a Pace of 28-37 MPH. Street width is 40 feet, which accommodates two through lanes, a two-way center turn

lane, and bicycle lanes. There is slight horizontal and vertical curvature except at both termini, where sharp turns are required. The primary constraints on this street segment are considered to be the sharp turns at both termini as well as turning movements to accommodate adjacent commercial development.

The Critical Speed and Pace indicate that a speed limit of 35 mph would be appropriate. However, there are multiple reasons to reduce the speed that include: narrowness of lanes, turning movements through the center turn lane, narrow bicycle lanes, and sharp turns at both street termini. At least some of these conditions are not readily apparent to the reasonable and prudent driver.

**A speed limit of 30 MPH is recommended for the entire length of High Street.**

10. Lakeport Boulevard

Volume: 8300 VPD    85<sup>th</sup> P: 39 MPH    Pace: 29-38 MPH    Existing SL.: 30 MPH

Lakeport Boulevard is one of Lakeport's two primary east-west arterials. Approximately 8,300 vehicles per day use this street. It extends from Parallel Drive to Main Street, connecting State Route 29 with downtown. The spot speed study site was 545 feet west of Forbes Street. It was selected to represent the entire length of Lakeport Boulevard. Results of the spot speed study indicate a Critical Speed of 39 MPH and a Pace of 29-38 MPH. Street width varies between 38 and 50 feet, with an acceleration/deceleration lane provided at the new Bruno's Market property. Sight distance is good. One accident was recorded on this street during the analysis period. It occurred at the intersection with Forbes Street on 7/20/2022. Speed was not indicated as a contributing factor to this collision.

This street is characterized by relatively high traffic volumes, high percentage of turning movements (due to adjacent commercial development), narrowness of lanes, narrow bicycle lanes, and steep vertical and moderate horizontal curvature near the access to S.R. 29. At least some of these conditions are not readily apparent to the reasonable and prudent driver.

**A speed limit of 35 MPH is recommended for the entire length of Lakeport Boulevard.**

11. Lakeshore Boulevard (High/20<sup>th</sup> Street – Lange Street)

Volume: 4300 VPD    85<sup>th</sup> P: 37 MPH    Pace: 29-38 MPH    Existing SL.: 30 MPH

Lakeshore Boulevard is the northerly component of Lakeport's north-south arterial system which also includes South Main Street, North Main Street, a segment of Clear Lake Avenue, and High Street. The spot speed study site north of Sayre is intended to represent the segment between High Street and Lange Street. A Critical Speed of 37 MPH was monitored at this site. The Pace was determined to be 29-38 MPH. Traffic volumes are moderate, at 4,300 vehicles per day. A sharp horizontal curve restricts sight distance at High Street and another horizontal curve lies between Ashe and Sayre. A class II bike lane is contained within the right-of-way of this street. There were three reported accidents during the analysis period. One of these indicated Unsafe Speed as the

Primary Collision Factor. It occurred on June 21, 2022 and involved no injuries. Two other collisions occurred during the analysis period, one resulting in injury

The speed limit on this segment of Lakeshore Boulevard was increased from 25 mph to 30 mph as recommended in the 2006 Speed Zone Study. Between 2011 and 2016, the Pace increased from 26-35 mph to 29-38 mph and the Critical Speed increased from 35 mph to 37 mph. Data collected in 2023 is consistent with findings from 2016. Analysis of prevailing conditions and accident data continues to support a 30 MPH speed limit within this street segment.

This street segment is characterized by moderate traffic volumes, sharp horizontal curvature, school commute and recreational bicycle traffic, no pedestrian facilities, and poor pavement conditions. Conditions exist which may not be readily apparent to the safe and prudent driver. A speed limit lower than indicated by the 85<sup>th</sup> Percentile is warranted by conditions.

**A speed limit of 30 MPH is recommended for this segment of Lakeshore Boulevard.**

12. Lakeshore Boulevard (Lange – City Limits)

Volume:3800 VPD 85<sup>th</sup> P: 39 MPH Pace: 32-41 MPH Existing SL.: 35 MPH

Lakeshore Boulevard is the northerly component of Lakeport's north-south arterial system which also includes South Main Street, North Main Street, a segment of Clear Lake Avenue and High Street. The spot speed study site between Lange and Beach is intended to represent the segment between Lange and the City Limits. A Critical Speed of 39 MPH was monitored at this site. The Pace was determined to be 32-41 MPH. Traffic volumes are recorded at 3,800 vehicles per day. Horizontal curves are restrictive and reduce sight distance at High Street and east of Ashe Street. A class II bike lane is contained within the right-of-way of this street. There were no reported accidents on this segment during the three-year (2020 – 2022) analysis period.

This street segment is characterized by moderate traffic volumes, horizontal curvature, school commute and recreational bicycle traffic, no pedestrian facilities, and poor pavement conditions. A speed limit lower than indicated by the 85<sup>th</sup> Percentile is warranted by conditions not readily apparent to the reasonable and prudent driver.

**A speed limit of 35 MPH is recommended for this segment of Lakeshore Boulevard.**

13. Lange Street

Volume: 770 VPD 85<sup>th</sup> P: 24 MPH Pace: 15-24 MPH Existing SL.: 20 MPH

Lange Street is a short east-west collector street. It collects and distributes traffic between Loch and Lakeshore Boulevard. The spot speed survey site was between Lakeshore and Giselman Street. Results of the survey indicate a Critical Speed of 24 MPH and a pace of 15-24 MPH. Most of the street is within a school zone. Volumes are light other than during school ingress/egress hours. Average daily traffic is approximately 770 VPD. Pedestrians are frequent. There were no reported accidents during the analysis period.

The speed limit on Lange Street was increased from 15 mph to 20 mph as recommended in the 2006 Speed Zone Study. The Pace decreased from 26-35 mph in 2011 to 15-24 mph in 2016 and the Critical Speed increased from 22 mph to 24 mph. In 2023 there were no changes in either the Critical Speed or the Pace. Study results indicate that increasing the speed limit on this street reduced overall travel speeds (Pace decreased from 26-35 to 15-24) by resenting a more realistic speed limit to the drivers.

**A speed limit of 20 MPH is recommended for Lange Street.**

14. North Main Street (1<sup>st</sup> Street – Clear Lake Avenue)  
Volume: 7600 VPD 85<sup>th</sup> P: 33 MPH Pace: 24-33 MPH Existing SL.: 30 MPH

North Main Street is a component of Lakeport's north-south arterial system which also includes South Main Street, a portion of Clear Lake Avenue, High Street, and Lakeshore Boulevard. Average traffic volumes on this segment were monitored at 7,600 vehicles per day. A speed survey location north of 7<sup>th</sup> Street was selected to represent North Main Street between 1<sup>st</sup> Street and Clear Lake Avenue. Analysis of speed survey data indicates a Critical Speed of 33 MPH and a Pace of 24-33 MPH. Street width in this area is 56 feet, which accommodates two through lanes, a center turn lane, and on-street parking. There were four reported accidents within this heavily traveled segment during the analysis period (2020-2022). Although all four collisions resulted in injury, none were identified as speed-related.

The speed limit on this segment of North Main Street was increased from 25 mph to 30 mph as recommended in the 2006 Speed Zone Study. The Critical Speed has remained the same since then, however the Pace increased from 21-30 to 23-32 between 2011 and 2016. Although both the Critical Speed and Pace increased slightly (1 MPH) as indicated by the 2023 data, the 30 MPH speed limit in place has resulted in consistency since it was increased from 25 MPH. A slight increase in the Critical Speed should not warrant a speed zone change since speed zone consistency should be maintained throughout the Main Street Corridor as much as possible.

**A speed limit of 30 MPH is recommended for North Main Street.**

15. South Main Street (Martin Street – 1<sup>st</sup> Street)  
Volume: 10,100 VPD 85<sup>th</sup> P: 29 MPH Pace: 21-30 MPH Existing SL.: 30 MPH

South Main Street is a component of Lakeport's north-south arterial system which also includes North Main Street, a portion of Clear Lake Avenue, High Street, and Lakeshore Boulevard. The speed study site between Armstrong and 1<sup>st</sup> Street was selected to represent the street segment from Martin Street to 1<sup>st</sup> Street. Analysis of spot speed data indicates a Critical Speed of 29 MPH and Pace of 21-30 MPH. The roadway width in this area is typically 57 feet, which accommodates two travel lanes, on-street parking, and a center turn lane. Volumes are heavy, at approximately 10,100 vehicles per day in some areas. There were no reported accidents during the analysis period.

The speed limit on this segment of South Main Street was increased from 25 mph to 30 mph as recommended in the 2016 Speed Zone Study. This speed limit increase has produced a consistency which continues as indicated by 2023 Speed Study results.

**A speed limit of 30 MPH is recommended for this segment of South Main Street.**

16. South Main Street (Lakeport Boulevard – Martin Street)  
Volume: 8400 VPD    85<sup>th</sup> P: 33 MPH    Pace: 25-34 MPH    Existing SL.: 30 MPH

South Main Street is a component of Lakeport's north-south arterial system which also includes North Main Street, a portion of Clear Lake Avenue, High Street, and Lakeshore Boulevard. This speed study site between E Street and Oak Street was selected to represent the street segment from 575 feet south of Lakeport Boulevard to Martin Street. Analysis of spot speed data indicates a Critical Speed of 33 MPH and a Pace of 25-34 MPH. The roadway width in this area is typically 57 feet, which accommodates two travel lanes, on-street parking, and a center turn lane. Volumes are relatively heavy, at approximately 8,400 vehicles per day in some areas. There were no reported accidents on this segment during the analysis period (2020-2022).

The speed limit on this segment of South Main Street was increased from 25 mph to 30 mph as recommended in the 2006 Speed Zone Study. Between 2011 and 2016, the Pace decreased from 26-35 mph to 23-32 mph and the Critical Speed decreased from 32 mph to 30 mph. The speed limit increase has produced a consistency within the corridor which continues as indicated by 2023 Speed Study results.

**A speed limit of 30 MPH is recommended for this segment of South Main Street.**

17. South Main Street (City Limits – Lakeport Boulevard)  
Volume: 7900 VPD    85<sup>th</sup> P: 37 MPH    Pace: 28-37 MPH    Existing SL.: 35 mph

South Main Street is a component of Lakeport's north-south arterial system which also includes North Main Street, a portion of Clear Lake Avenue, High Street, and Lakeshore Boulevard. The speed study site 270 feet south of Kimberly is one of 3 sites selected to monitor speeds within the segment from the City Limits to Lakeport Boulevard. The Critical Speed in this area was sampled at 37 MPH and the Pace at 28-37 MPH. Traffic volumes in this area are approximately 7,900 vehicles per day. Sight distance is generally good, although widths are constrained in some areas. There were 6 accidents on South Main Street during the analysis period (2020-2022). Only one was speed related .This occurred at the intersection of Grace Lane on 6/20/2020, causing injury

This segment of South Main Street is characterized by varying roadway widths, a two-way center turn lane, frequent turning movements, high traffic volumes, and discontinuous pedestrian facilities

**A speed limit of 35 MPH is recommended for this street segment to a point 575 feet south of Lakeport Boulevard.**

18. South Main Street (City Limits – Lakeport Boulevard)  
Volume: 9100 VPD 85<sup>th</sup> P: 40 MPH Pace: 32-41 MPH Existing SL.: 35 MPH
- South Main Street is a component of Lakeport's north-south arterial system which also includes North Main Street, a portion of Clear Lake Avenue, High Street, and Lakeshore Boulevard. The speed study site 150 feet south of Industrial is one of 3 sites selected to monitor speeds within the segment from the city limits to Lakeport Boulevard. The Critical Speed in this area was sampled at 40 MPH and the Pace at 32-41 MPH. Traffic volumes in this area are approximately 9,100 vehicles per day. Sight distance is generally good, although widths are constrained in some areas. There was just one speed related collision on all of South Main Street during the analysis period (2020-2022). This occurred at the intersection of Grace Lane on 6/20/2020, causing injury. Results of the 2023 Speed Study are consistent with the previous study completed in 2016.

This segment of South Main Street is characterized by varying roadway widths, a two-way center turn lane, frequent turning movements, high traffic volumes, and discontinuous pedestrian facilities. A speed limit lower than indicated by the 85<sup>th</sup> Percentile is warranted by conditions that may not be readily apparent to the reasonable and prudent driver.

**A speed limit of 35 MPH is recommended for this street segment.**

19. South Main Street (City Limits – Lakeport Boulevard)  
Volume: 8500 VPD 85<sup>th</sup> P: 42 MPH Pace: 33-42 MPH Existing SL.: 35 MPH
- South Main Street is a component of Lakeport's north-south arterial system which also includes North Main Street, a portion of Clear Lake Avenue, High Street, and Lakeshore Boulevard. The speed study site 650 feet south of Peckham Lane is one of 3 sites selected to monitor speeds within the segment from the city limits to Lakeport Boulevard. The Critical Speed in this area was sampled at 42 MPH and the Pace at 33-42 MPH. Traffic volumes in this area are approximately 8,500 vehicles per day. Sight distance is generally good, although widths are constrained in some areas. There was just one speed related collision on all of South Main Street during the analysis period (2020-2022). This occurred at the intersection of Grace Lane on 6/20/2020, causing injury

This segment of South Main Street is characterized by varying roadway widths, a two-way center turn lane, frequent turning movements, high traffic volumes, and discontinuous pedestrian facilities. Speed survey results from 2023 vary from 2016 results by just 1 MPH. A speed limit lower than indicated by the 85<sup>th</sup> Percentile is warranted by conditions that may not be readily apparent to the reasonable and prudent driver.

**A speed limit of 35 MPH is recommended for this street segment.**

20. Martin Street (Bevins Street – Main Street)  
Volume: 760 VPD 85<sup>th</sup> P: 43 MPH Pace: 33-42 MPH Existing SL.: 30 MPH

Martin Street is an arterial street which links Bevins Street and State Route 29 with Forbes Street and Main Street. The spot speed study location was selected to apply to the segment between Bevins Street and Main Street. Speed survey results indicate a Critical Speed of 43 MPH and a Pace of 33-42 MPH. Traffic volumes are low, at approximately 760 vehicles per day. There were three reported accidents on this street during the analysis period (2020-2022). Two were injury accidents, but none were speed related.

This segment of Martin Street is characterized by an open ditch on the south side, poor intersection sight distance, on-street parking, discontinuous pedestrian facilities, and poor pavement conditions.

Machine data collected at this site is inconsistent with historic data collected on this street segment. Historic volumes are much higher (2016: 2,540 VPD), and the Critical Speed (2016: 36 MPH) and Pace (2016: 27-36 MPH) much lower. This street segment should be re-evaluated prior to developing recommendations that may include changes.

**No change from the existing 30 MPH speed is recommended until yet further review of this segment is conducted. Re-evaluation and re-survey should be completed prior to implementing speed limit changes.**

**A speed limit of 30 MPH is recommended for Martin Street between Main Street and Bevins Street until a re-survey is completed.**

21. Martin Street (City Limits – Bevins Street)  
Volume: 730 VPD 85<sup>th</sup> P: 43 MPH Pace: 34-43 MPH Existing SL.: 35 MPH

This segment of Martin Street was the subject of special analysis in the 2016 Speed Study report due to roadway and traffic conditions in this area.

Martin Street transitions from a country road under County maintenance to a partially developed public facility and residential area. The street is narrow, in certain areas there is only 24 feet of pavement width. Pavement condition is poor, and sloping terrain and shrubbery contributes to obscuring driveways that are frequent in the area. A hillcrest near the eastern terminus of the segment obstructs the view of the Bevins Street junction. The County maintained segment to the west is zoned at 40 MPH.

There is relatively light traffic on this segment of Martin Street. Volume was measured at 730 vehicles per day on weekdays. The Critical Speed was recorded at 43 miles per hour and the Pace was recorded at 34-43 miles per hour. These results are slightly lower, but consistent with results obtained in the 2016 Speed Study. A speed limit lower than indicated by the 85<sup>th</sup> Percentile is warranted by street and roadside conditions that may not be readily apparent to the reasonable and prudent driver. Although recent data may indicate an increase is warranted, the indicating margin is only 1 MPH, and consistency with historical limits should prevail.

**A speed limit of 35 MPH is recommended for this street segment.**

22. **Mellor Drive**  
Volume: 640 VPD 85<sup>th</sup> P: 32 mph Pace: 23-32 MPH Existing SL.: 25 MPH
- Mellor Drive is a collector street which penetrates a developing residential area north of 11<sup>th</sup> Street. The spot speed survey site between 15<sup>th</sup> Street and 16<sup>th</sup> Street is intended to represent the entire street. Survey results indicate a Critical Speed of 32 MPH and a Pace of 23-32 MPH. This street is characterized by a very steep vertical curve, horizontal curvature, and relatively narrow widths. Traffic volumes are light, approximately 640 vehicles per day. There was one accident on this street during the three-year analysis period (2020-2022). It occurred on 3/15/21 and resulted in injury. It was non-speed related.

The steep vertical curvature makes it difficult for vehicles to maintain a constant speed, even though Mellor penetrates a residential area. A speed limit lower than indicated by the 85<sup>th</sup> Percentile is warranted by conditions that may not be readily apparent to the reasonable and prudent driver.

**A speed limit of 25 MPH is recommended for Mellor Drive.**

23. **Parallel Drive (Lakeport Boulevard – North of Craig)**  
Volume: 1440 VPD 85<sup>th</sup> P: 37 MPH Pace: 28-37 MPH Existing SL.: 30 MPH
- Parallel Drive is a frontage road to State Route 29 that functions as one of the city's arterials. It extends northward from its southern terminus at State Route 175 to north of Lakeport Boulevard, beyond the Lakeport Blvd/SR 29 interchange. The segment represented by this speed survey site (120 feet north of Westside Park Road) extends from Lakeport Boulevard to the end of improvements north of Craig Avenue. A Critical Speed of 37 MPH and a Pace of 28-37 MPH were measured for this segment. Average daily traffic was monitored at 1,440 vehicles per day. Adjacent land continues to develop; therefore, volume is expected to increase. No accidents were reported on this street segment during the analysis period. The roadway width is somewhat constrained in an area of horizontal and vertical curvature north and south of Lakeport Boulevard.

The 2016 Speed Study results indicated a Critical Speed of 36 MPH and a Pace of 27-36 MPH. The 2011 study produced similar results. Spot speed data gathered by hand in 2023 produced similar results. As this is a developing area, there are conditions present which are not readily apparent to the reasonable and prudent driver.

**A speed limit of 30 MPH is recommended to be retained for this segment of Parallel Drive.**

24. Parallel Drive (old City Limits – Lakeport Boulevard)  
Volume: 1290 VPD 85<sup>th</sup> P: 40 mph Pace: 31-40 MPH Existing SL.: 35 MPH

Parallel Drive is a frontage road to State Route 29 that functions as one of the city's arterials. It extends northward from its southern terminus at State Route 175 to north of Lakeport Boulevard, beyond the Lakeport Blvd/SR 29 interchange. The segment represented by this spot speed study site extends from the roundabout, beyond Todd Road and through the horizontal curve to a point where the street is parallel to the SR 29 corridor. A Critical Speed of 40 MPH and a Pace of 31-40 MPH were measured within this segment. Width is approximately 34 feet, with 8-foot shoulders on the west side and 2-foot shoulders on the east side. Terrain is generally flat except the horizontal and vertical curves near both termini. Traffic volumes were monitored at 1,290 vehicles per day. There were two reported accidents on this street segment during the 3-year analysis period (2020-2022). One resulted in injury, but neither collision was speed related.

The adjacent land penetrate by Parallel Drive continues to develop. In addition to the lack of bicycle and pedestrian facilities and curvature constraints, there are conditions which may not be readily apparent to the reasonable and prudent driver.

**The existing speed limit of 35 MPH is recommended to be retained.**

25. Parallel Drive (State Route 175 – old City Limits)  
Volume: 1350 VPD 85<sup>th</sup> P: 53 MPH Pace: 43-52 MPH Existing SL.: Not Posted

Parallel Drive is a frontage road to State Route 29 that functions as one of the city's arterials. It extends northward from its southern terminus at State Route 175 to north of Lakeport Boulevard, beyond the Lakeport Blvd/SR 29 interchange. The segment represented by this spot speed study site (at college site) extends from State Route 175 to the previous south City Limit. A Critical Speed of 53 MPH and a Pace of 43-52 MPH were measured within this segment. Width is approximately 34 feet, with 8-foot shoulders on the west side and 2-foot shoulders on the east side. Terrain is generally flat except where horizontal and vertical curves are necessary near both termini. Traffic volumes were monitored at 1,350 vehicles per day. There were two reported accidents on this street segment during the 3-year analysis period (2020-2022). One resulted in injury, but neither collision was speed related.

Critical Speed and Pace on this segment rose significantly since last monitored in 2016. Since the Critical Speed is indicative of a 55 MPH speed limit, it is recommended that if this segment remains unposted, it is subject to Basic Speed Law enforcement.

**A speed limit of 55 MPH is recommended for this segment of Parallel Drive.**

26. 6<sup>th</sup> Street  
Volume: 380 VPD 85<sup>th</sup> P: 26 MPH Pace: 17-26 MPH Existing SL.: 25 MPH
- Sixth Street functions as an east-west collector street in central Lakeport between Spurr Street and Forbes Street. A speed study location between North Brush Street and Cherry Street was selected to represent Sixth Street between Spurr and Main Street. Analysis of the speed study data reveals a Critical Speed of 26 MPH and Pace of 17-26 MPH. Traffic volumes are very light (380 vehicles per day) and the roadway width is generally only 24 feet. There is curb and gutter in some areas, but shoulders are generally lacking. The area is a residential area in rolling topography. Stops are required at Manzanita, Brush, Forbes, and Main. An open ditch inhibits width along one segment of this street. There were no reported accidents on this street during the analysis period.

**A speed limit of 25 MPH is recommended for this segment of 6<sup>th</sup> Street.**

27. 11<sup>th</sup> Street (Pool Street – North Main Street)  
Volume: 7500VPD 85<sup>th</sup> P: 35 MPH Pace: 27-36 MPH Existing SL.: 30 MPH
- Eleventh Street is one of Lakeport's two primary east-west arterials. It extends from the western city limits to North Main Street. Volumes are moderately high, monitored at 7,500 vehicles per day on this segment. The spot speed study conducted between North Tunis and North Brush is intended to represent the segment of 11<sup>th</sup> Street between Pool Street and North Main Street. Analysis of the results of the survey shows a Critical Speed of 35 MPH and a Pace of 27-36 MPH. Eleventh Street is 32 feet wide, accommodating two through lanes and parking on the north side. Curb and gutter are installed the length of the segment. Driveways are frequent and sight distance is generally poor at the frequent intersections. This segment of 11<sup>th</sup> Street is particularly narrow with discontinuous and narrow pedestrian facilities, no bicycle lanes, obscured intersections, and tight radii on intersecting streets. There were five reported accidents in this segment within the three-year analysis period (2020-2022). Although all five resulted in injuries, speed was not indicated as the Primary Collision Factor in any of these.

A speed limit lower than indicated by the 85<sup>th</sup> Percentile is warranted by conditions that may not be readily apparent to the reasonable and prudent driver.

**A speed limit of 30 MPH is recommended for this segment of 11<sup>th</sup> Street.**

28. 11<sup>th</sup> Street (1100 feet west of Mellor – Pool Street)  
Volume: 7700 VPD    85<sup>th</sup> P: 40 MPH    Pace: 31-40 MPH    Existing SL.: 30 MPH

Eleventh Street is one of Lakeport's two primary east-west arterials. It extends from the western city limits to North Main Street. Volumes are moderately high, monitored at 7,700 vehicles per day on this segment. The spot speed study conducted west of Mellor is intended to represent the segment of 11<sup>th</sup> Street between Pool Street and 1100 feet west of Mellor Drive. Analysis of the results of the survey shows a Critical Speed of 40 MPH and a Pace of 31-40 MPH. Eleventh Street is 32 feet wide, accommodating two through lanes and parking on the north side. Curb and gutter are installed the length of the segment. Driveways are frequent and sight distance is generally poor at the frequent intersections. There were no reported accidents on this street segment during the analysis period.

This segment of 11<sup>th</sup> Street is impacted by high traffic volumes and multiple turning movements due to the high level of adjacent commercial activity. There are two-way center turn lanes, discontinuous pedestrian facilities, bike lanes, and two through lanes in this segment.

A speed limit lower than indicated by the 85<sup>th</sup> Percentile is warranted by conditions that may not be readily apparent to the reasonable and prudent driver.

**A speed limit of 35 MPH is recommended for this segment of 11<sup>th</sup> Street.**

29. 11<sup>th</sup> Street (City Limits – 1100 feet west of Mellor)  
Volume: 8700 VPD    85<sup>th</sup> P: 41 MPH    Pace: 32-41 MPH    Existing SL.: 35 MPH

Eleventh Street is one of Lakeport's two primary east-west arterials. It extends from the western city limits (joining Scotts Valley Road) to North Main Street. Volumes are moderately high, monitored at 8,700 vehicles per day within this segment. The spot speed study location, between the SR 29 interchange and Central Park Avenue, was selected to represent the segment of 11<sup>th</sup> Street between 1100 feet west of Mellor Drive and the western city limits. Results indicate a Critical Speed of 41 MPH and a Pace of 32-41 MPH. Street width on this segment is variable up to 48 feet. Turning movements are frequent because of adjacent commercial activity in this segment. There was one accident reported on this street segment on 8/21/21.during the three-year (2020-2022) analysis period. It resulted in injuries but the Primary Collision Factor was not speed.

The segment of 11<sup>th</sup> Street is impacted by high traffic volumes and multiple turning movements due to the high level of adjacent commercial activity. There are discontinuous pedestrian facilities, bike lanes, two through lanes, public transit stops, and freeway ramp access points in this segment.

A speed limit lower than indicated by the 85<sup>th</sup> Percentile is warranted by conditions that may not be readily apparent to the reasonable and prudent driver.

**A speed limit of 35 MPH is recommended for this segment of 11<sup>th</sup> Street**

30. 16<sup>th</sup> Street (Mellor Drive – High Street)  
Volume: 800 VPD 85<sup>th</sup> P: 29 MPH Pace: 20-29 MPH Existing SL.: Not Posted

Sixteenth Street functions as a collector between Mellor Drive and High Street. The site selected for the spot speed study was between Orchid and Hartley. Analysis of data gathered at that point reveals a Critical Speed of 29 MPH and a Pace of 20-29 MPH. Traffic volumes are light, approximately 800 vehicles per day. Street width is 34 feet, which frequently accommodates on-street parking. One accident was reported during the three-year (2020-2022) review period. It was an injury accident that occurred on 8/11/21 but speed was not identified as the Primary Collision Factor. The current speed limit is not posted in the street segment.

**This street appears to meet criteria for designation as a Residence District per the California Vehicle Code. It is recommended a review of applicability be completed prior review in subsequent speed survey cycles. A speed limit of 25 MPH is recommended for this street based on 2023 survey results.**

31. 20<sup>th</sup> Street (Hartley Street – High Street)  
Volume: 1000 VPD 85<sup>th</sup> P: 30 MPH Pace: 22-31 MPH Existing SL.: 25 MPH

Twentieth Street is a collector street which provides continuity between Hartley Street and High Street/Lakeshore Boulevard. Approximately 1,000 vehicles per day use this segment of 20<sup>th</sup> Street. The spot speed study conducted between Hartley and North High Street revealed a Critical Speed of 30 MPH and a pace of 22-31 MPH. Roadway width is 38 feet, which accommodates two through lanes and on-street parking on the south side. Sight distance is generally good and the pavement quality is poor. One accident was reported during the three-year review period (2020-2022). It was an injury accident occurring on 8/22/21, but speed was not identified as a Primary Collision Factor in the collision. Stops are required at both Lakeshore/High and at Hartley. Adjacent land use is residential, with discontinuous pedestrian facilities.

A speed limit lower than indicated by the 85<sup>th</sup> Percentile is warranted by conditions that may not be readily apparent to the reasonable and prudent driver.

**A speed limit of 25 MPH is recommended for this segment of 20<sup>th</sup> Street.**

32. 20<sup>th</sup> Street (Alden Avenue – Hartley Street)  
Volume: 510 VPD 85<sup>th</sup> P: 36 MPH Pace: 27-36 MPH Existing SL.: 25 MPH

Twentieth Street is a collector street that extends from North High Street westward to a merge at Boggs Lane. It penetrates a small commercial area but adjacent land use is primarily residential. West of Mellor Street, residential development terminates. A considerable gap develops, but residential development again becomes the primary land use from the Willow O View Court westward to Boggs Lane. This land use discontinuity has resulted in speed zone inconsistency. The 2016 Speed Zone Study made several recommendations dealing with traffic flow in this area. Most, if not all, have yet to be implemented.

The 2023 monitoring revealed a slight volume increase on this street to 510 vehicles per day. Critical Speed was calculated at 36 MPH, the same as in 2016. The Pace calculated for 2023 is 27-36 MPH, consistent with the 85<sup>th</sup> Percentile and only 1 MPH higher than monitored in 2016.

Steep terrain, poor sight distance, and discontinuous pedestrian infrastructure contribute to the concern that there are conditions on and adjacent to this street that are not readily apparent to the reasonable and prudent driver.

**This street appears to meet criteria for designation as a Residence District per the California Vehicle Code. It is recommended a review of applicability be completed prior review in subsequent speed survey cycles. A speed limit of 25 MPH is recommended for this street.**

# CITY OF LAKEPORT SPEED ZONE RECOMMENDATIONS

**2023**

SITE	STREET NAME	FROM	TO	VOLUME	85th P 2023	85th P 2016	PACE	ACCIDENTS	SPEED LIMIT	REC	ENFORCE
1	Armstrong St.	Berry St.	Main St.	510	31	29	21-30	1 (PDO)	NP	25	Medium
2	Bevins St	Bevins Ct.	Martin St.	3200	36	35	27-36	1 (Injury-speed)	30	30	Medium
3	Bevins St.	Lakeport Blvd.	Bevins Ct.	4250	41	39	32-41	1 (Injury)	30	35	Medium
4	South Forbes St.	Martin St.	6th St.	2300	34	34	25-34	1 (PDO)	30	30	Low
5	North Forbes St.	6th St.	Clear Lake Ave.	2300	33	32	24-33	1 (Injury)	30	30	Low
6	Giselman St.	Lakeshore Blvd.	Lange St.	310	32	28	24-33	None	NP	25	Medium
7	Hartley St.	Clear Lake Ave.	20th St.	1500	35	36	26-35	None	NP	30	Low
8	Hartley St.	20th St.	City Limits	470	43	34	33-42	None	30	30	High
9	High St.	Clear Lake Ave.	20th St.	7250	37	36	28-37	None	30	30	Medium
10	Lakeport Blvd.	Parallel dr.	Main St.	8300	39	34	29-38	1 (PDO)	30	35	Medium
11	Lakeshore Blvd.	High St.	Lange St.	4300	37	37	29-38	3 (1 Inj) 1 speed	30	30	High
12	Lakeshore Blvd.	Lange St.	City Limits	3800	39	38	32-41	None	35	35	Low
13	Lange St.	Loch Dr.	Lakeshore Blvd.	770	24	24	15-24	None	20	20	Low
14	North Main St.	1st St.	Clear Lake Ave.	7600	33	30	24-33	4 (Injury)	30	30	Medium
15	South Main St.	Martin St.	1st St.	10100	29	28	21-30	None	30	30	Low
16	South Main St.	Lakeport Blvd.	Martin St.	8400	33	30	25-34	None	30	30	Low
17	South Main St.	City Limits	Lakeport Blvd.	7900	37	39	28-37	6 (2 Inj) 1 speed	35	35	Medium
18	South Main St.	City Limits	Lakeport Blvd.	9100	40	40	32-41	None	35	35	Medium
19	South Main St.	City Limits	Lakeport Blvd.	8500	42	40	33-42	None	35	35	Medium
20	Martin St.	Bevins St.	Main St.	760	43	36	33-42	3 (2 Injury)	30	30	High
21	Martin St.	City Limits	Bevins St.	730	43	45	34-43	None	35	35	High
22	Mellor Dr.	11th St.	End	640	32	32	23-32	1 (Injury)	25	25	Medium
23	Parallel Dr.	Lakeport Blvd.	north of Craig Ave	1440	37	36	28-37	None	30	30	High
24	Parallel Dr.	Old City Limits	Lakeport Blvd.	1290	54	50	43-52	None	35	50	Medium
25	Parallel Dr.	State Route 175	Old City Limits	1350	54	49	43-52	2; 1 Inj, 1 PDO	NP	50	Medium
26	6th St.	Spurr St.	Main St.	380	26	22	17-26	None	25	25	Low
27	11th St.	Pool St.	North Main St.	7500	35	33	27-36	5 (5 Injury)	30	30	Medium
28	11th St.	1100' w/o Mellor	Pool St.	7700	40	36	31-40	1 (Injury)	30	35	High
29	11th St.	City Limits	1100' w/o Mellor	8700	41	39	32-41	None	35	35	Medium
30	16th St.	Mellor Dr.	High St.	800	29	29	20-29	1 (Injury)	NP	25	Low
31	20th St.	Hartley St.	High St.	1000	31	22	22-31	1 (Injury)	25	25	Medium
32	20th St.	Alden Ave.	Hartley St.	510	36	36	27-36	None	25	25	High



#### **IV. SUMMARY OF RECOMMENDATIONS**

Recommendations for surveyed City of Lakeport streets are as follows:

1. Armstrong Street (Berry Street to Main Street)  
Investigate applicability of Residence Zone designation for this street segment. Study results support designation of a 25 mph speed zone.
2. Bevins Street (Bevins Court to Martin Street)  
Retain 30 mph speed limit for this street segment.
3. Bevins Street (Lakeport Boulevard to Bevins Court)  
Increase speed limit for this street segment to 35 mph.
4. South Forbes Street (Martin Street to 6<sup>th</sup> Street)  
Retain 30 mph speed limit for this street segment.
5. North Forbes Street (6<sup>th</sup> Street to Clear Lake Avenue)  
Retain 30 mph speed limit for this street segment.
6. Giselman Street (Lakeshore Boulevard to Lange Street)  
Investigate applicability of Residence Zone designation for this street segment. Study results support designation of a 25 mph speed zone.
7. Hartley Street (Clear Lake Avenue to 20<sup>th</sup> Street)  
Post 30 mph speed limit signs on this street segment.
8. Hartley Street (20<sup>th</sup> Street to City Limits)  
Retain 30 mph speed limit for this street segment. Re-evaluate 2023 results prior to making speed zone changes.
9. High Street (Clear Lake Avenue to 20<sup>th</sup> Street)  
Retain 30 mph speed limit for this street segment.
10. Lakeport Boulevard (Parallel Drive to Main Street)  
Increase speed limit to 35 mph for this street segment.
11. Lakeshore Boulevard (High Street to Lange Street)  
Retain 30 mph speed limit for this street segment.
12. Lakeshore Boulevard (Lange Street to City Limits)  
Retain 35 mph speed limit for this street segment.
13. Lange Street (Loch Drive to Lakeshore Boulevard)  
Retain 20 mph speed limit on this street segment.
14. North Main Street (1<sup>st</sup> Street to Clear Lake Avenue)  
Retain 30 mph speed limit for this street segment.



15. South Main Street (Martin Street to 1<sup>st</sup> Street)  
Retain 30 mph speed limit for this street segment.
16. South Main Street (Lakeport Boulevard to Martin Street)  
Retain 30 mph speed limit for this street segment.
17. South Main Street (City Limits to Lakeport Boulevard)  
Retain 35 mph speed limit for this street segment.
18. South Main Street (City Limits to Lakeport Boulevard)  
Retain 35 mph speed limit for this street segment.
19. South Main Street (City Limits to Lakeport Boulevard)  
Retain 35 mph speed limit for this street segment.
20. Martin Street (Bevins Street to Main Street)  
Retain 30 mph speed limit for this street segment. Re-survey prior to implementing changes.
21. Martin Street (City Limits to Bevins Street)  
Retain 35 mph speed limit for this street segment.
22. Mellor Drive (11<sup>th</sup> Street to End)  
Retain 25 mph speed limit on this street segment.
23. Parallel Drive (Lakeport Boulevard to North of Craig Avenue)  
Retain 30 mph speed limit on this street segment.
24. Parallel Drive (Old City Limits to Lakeport Boulevard)  
Retain 35 mph speed limit for this street segment
25. Parallel Drive (State Route 175 to Old City Limits)  
Increase speed limit to 55 mph for this street segment
26. 6<sup>th</sup> Street (Spurr Street to Main Street)  
Retain 25 mph speed limit for this street segment.
27. 11<sup>th</sup> Street (Pool Street to North Main Street)  
Retain 30 mph speed limit for this street segment.
28. 11<sup>th</sup> Street (1100' w/o Mellor Street to Pool Street)  
Increase speed limit to 35 mph on this street segment.



29. 11<sup>th</sup> Street (City Limits to 1100' w/o Mellor Street)  
Retain 35 mph speed limit for this street segment.
30. 16<sup>th</sup> Street (Mellor Drive to High Street)  
Retain 25 mph speed limit for this street segment. Investigate applicability of Residence Zone designation for this street segment.
31. 20<sup>th</sup> Street (Hartley Street to High Street)  
Retain 25 mph speed limit for this street segment.
32. 20<sup>th</sup> Street (Alden Avenue to Hartley Street)  
Retain 25 mph speed limit for this street segment. Investigate applicability of Residence Zone designation for this street segment.



## **Appendix A**

- **Accident Report Summary  
Statewide Integrated Traffic Record  
System (SWITRS)**



## 2023 City of Lakeport Speed Surveys Accident List (1/1/2020 - 12/31/2022)

ROAD NAME	LOCATION	DATE	TIME	PRIMARY COLLISION FACTOR	COLLISION TYPE	SEVERITY	WEATHER	ROADWAY SURFACE	LIGHTING	SPEED LIMIT
11th Street (Pool Street to N. Main Street)	Intersection @ N. Brush Street	2/27/2020	9:00	R-O-W Auto	Head-On	Injury	Clear	Dry	Daylight	30
	Intersection @ N. Forbes Street	2/11/2020	0:00	R-O-W Auto	Broadside	Injury	Clear	Dry	Daylight	30
	Intersection @ N. Forbes Street	9/22/2020	14:01	R-O-W Auto	Broadside	Injury	Clear	Dry	Daylight	30
	Intersection @ N. Forbes St.	2/24/2021	0:05	Improper Turn		Injury	Clear	Dry	Dark-St	30
	Intersection @ N. Forbes St.	7/14/2021	11:17	R-O-W Auto	Broadside	Injury	Clear	Dry	Daylight	30
11th Street ( City Limits to 1100' w/o Mellor Drive)	11th Street 1071	8/21/2021	11:55	R-O-W Auto	Sideswipe	Injury	Clear	Dry	Daylight	30
16th Street (Mellor Drive to High Street)	Intersection @ Palm Dr.	7/14/2020	6:40	Improper Turn	Sideswipe	Injury	Clear	Dry	Daylight	35
20th Street (Hartley Street to High Street)	Intersection @ N. High Street	8/22/2021	23:03	Drv Alc   Drg	Rear End	Injury	Clear	Dry	Dark-No	25
Armstrong Street (Berry Street to Main Street)	Intersection @ S. High Street	5/1/2022	12:55	Stop Sign/Sig	Broadside	PDO	Clear	Dry	Daylight	NP
Bevins Street(Lakeport Blvd to Bevins Court)	Bevins Street 525	11/30/2020	12:38	R-O-W Auto	Other	Injury	Clear	Dry	Daylight	30
Bevins Street (Bevins Court to Martin Street)	Intersection @ Bevins Court	5/13/2022	10:11	Unsafe Speed	Overturned	Injury	Clear	Dry	Daylight	30
Lakeport Blvd (Parallel Drive to Main Street)	Intersection @ Forbes street	7/20/2022	3:36	Improper Turn	Hit Object	PDO	Clear	Dry	Daylight	30
Lakeshore Blvd ( High Street to Lang Street)	Intersection @ Ashe St	6/21/2022	15:07	Unsafe Speed	Hit Object	PDO	Clear	Dry	Daylight	30
	Intersection @ Rt 29	5/11/2021	0:00	R-O-W Auto	Head-On	Injury	Clear	Dry	Daylight	30
North Main Street (1st St. to Clear Lake Ave.)	Intersection @ Lange Street	6/7/2022	15:20	R-O-W Auto	Rear End	PDO	Clear	Dry	Daylight	30
	Intersection @ 11th Street	7/3/2020	9:53	Wrong Side	Hit Object	Injury	Clear	Dry	Daylight	30
	Intersection @ 9th Street	3/31/2021	17:59	Stop Sign/Sig	Broadside	Injury	Clear	Dry	Daylight	30
	Intersection @ 6th Street	8/1/2022	13:03	R-O-W Ped	Broadside	Injury	Cloudy	Dry	Daylight	30
	Intersection @ Clear Lake Ave	8/11/2022	21:03	R-O-W Auto	Broadside	Injury	Clear	Dry	Dark-St	30
South Main Street (City Limits to Lakeport Blvd)	Intersection @ Grace Lane	6/20/2020	8:45	Unsafe Speed	Hit Object	Injury	Clear	Dry	Daylight	35
	Intersection @ Industrial Ave.	6/10/2020	16:35	Lane Change	Sideswipe	PDO	Clear	Dry	Daylight	35
	Intersection @ Peckham Ct.	9/20/2020	1:51	Improper Turn	Hit Object	PDO	Clear	Dry	Dark-St	35
	Intersection @ Royal Ave	9/9/2020	16:00	R-O-W Auto	Head-On	Injury	Clear	Dry	Daylight	35
	South Main Street 1565	7/10/2020	11:41	Improper Turn	Rear End	PDO	Clear	Dry	Daylight	35
	Intersection @ Lakeport Blvd	4/24/2021	13:10	Improper Turn	Sideswipe	PDO	Cloudy	Dry	Daylight	35

ROAD NAME	LOCATION	DATE	TIME	PRIMARY COLLISION FACTOR	COLLISION TYPE	SEVERITY	WEATHER	ROADWAY SURFACE	LIGHTING	SPEED LIMIT
Martin Street ( Bevins Street to Main Street)	Intersection @ S. Polk Street	4/7/2021	19:48	Improper Turn	Other	Injury	Clear	Dry	Dusk/Dawn	30
	Intersection @ Russell St	6/18/2021	17:16	Improper Turn	Broadside	Injury	Clear	Dry	Daylight	30
	Intersection @ Bevins Street	9/1/2022	20:42	Drvr/Alch Drg	Hit Object	PDO	Clear	Dry	Dark-St	30
Mellar Drive (11th St. to End)	Intersection @ 15th Street	3/15/2021	15:30	Improper Turn	Sideswipe	Injury	Clear	Dry	Daylight	25
North Forbes St (6th Street to Clerlake Ave)	Intersection @ First Street	6/3/2022	15:55	R-O-W Auto	Broadside	Injury	Clear	Dry	Daylight	30
South Forbes Street (Martin Street to 6th Street)	Intersection @ Armstrong St.	8/30/2021	9:30	Stop Sign/Sig	Broadside	PDO	Clear	Dry	Daylight	30
Parallel Drive (State Rte 175 to Old City Limits)	Intersection @ Todd rd Exit	1/12/2021	20:30	Drvr/Alch Drg	Hit Object	PDO	Cloudy	Wet	Dark-St	NP
	Intersection @ Hwy 175	6/15/2022	9:40	Drvr/Alch Drg	Hit Object	Injury	Clear	Dry	Daylight	NP

## **Appendix B**

- **Traffic Volume & Speed Reports**



## **Appendix B**

- Site 1



# SPEED DATA ANALYSIS

## Location



Latitude: 39.041303  
Longitude: -122.920309

Lake County  
Victim Witness

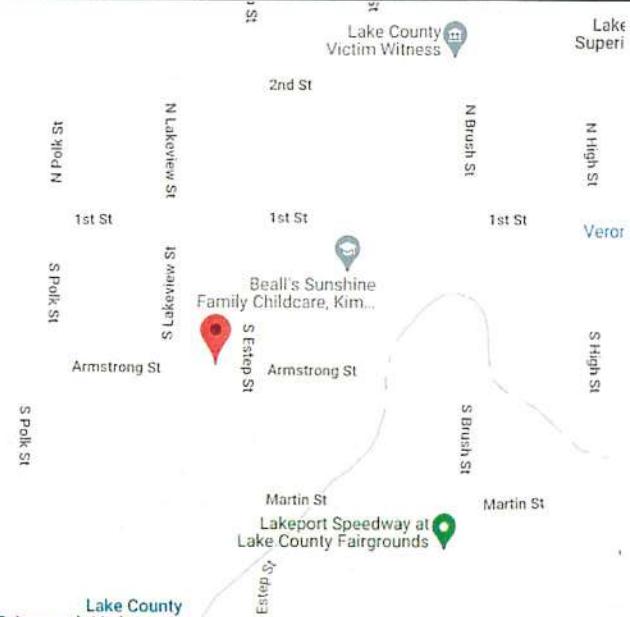
Lake  
Superi

## Analysis Time Period



Start  
5/13/2022  
11:28 AM

End  
5/19/2022  
9:37 AM



## Vehicles Analyzed



2,800

## Speed Limit



25

## Average Speed



25

## 85th Percentile Speed



31

## 10 MPH Pace Speed



21-30

## Peak Time of Violations



5/13/2022  
4:28 PM

## Standard Deviation



5.647

## Enforcement Rating

HIGH



Site Code: zArmstrong 22

Comment 1:

Station ID:

Comment 2:

Location 1:

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 39.041303

Location 4:

Longitude: -122.920309

5/13/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	*	*	0
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	*	*	0
5:00	*	*	0
6:00	*	*	0
7:00	*	*	0
8:00	*	*	0
9:00	*	*	0
10:00	*	*	0
11:00	24	12	36
12:00 PM	27	20	47
1:00	27	23	50
2:00	18	23	41
3:00	25	23	48
4:00	31	26	57
5:00	27	22	49
6:00	15	24	39
7:00	9	12	21
8:00	12	9	21
9:00	9	6	15
10:00	5	2	7
11:00	2	1	3
Total	231	203	434
Percent	53.2%	46.8%	
AM Peak	11:00	11:00	11:00
Volume	24	12	36
PM Peak	4:00	4:00	4:00
Volume	31	26	57

Site Code: zArmstrong 22 Comment 1:  
 Station ID: Comment 2:  
 Location 1: Comment 3:  
 Location 2: Comment 4:  
 Location 3:  
 Location 4: Latitude: 39.041303  
 Longitude: -122.920309

Time	A to B, None Specified	B to A, None Specified	Total
12:00 AM	0	3	3
1:00	2	2	4
2:00	2	0	2
3:00	2	2	4
4:00	0	0	0
5:00	0	2	2
6:00	2	2	4
7:00	8	5	13
8:00	8	6	14
9:00	28	12	40
10:00	18	10	28
11:00	16	36	52
12:00 PM	18	22	40
1:00	19	13	32
2:00	12	11	23
3:00	20	8	28
4:00	13	15	28
5:00	14	13	27
6:00	5	9	14
7:00	3	12	15
8:00	15	11	26
9:00	8	3	11
10:00	3	5	8
11:00	1	3	4
Total	217	205	422
Percent	51.4%	48.6%	
AM Peak	9:00	11:00	11:00
Volume	28	36	52
PM Peak	3:00	12:00 PM	12:00 PM
Volume	20	22	40

Site Code: zArmstrong 22

Station ID:

Comment 1:

Location 1:

Comment 2:

Location 2:

Comment 3:

Location 3:

Comment 4:

Location 4:

Latitude: 39.041303

Longitude: -122.920309

5/15/2022	A to B, None Specified	B to A, None Specified	Total
12:00 AM	3	2	5
1:00	1	0	1
2:00	1	0	1
3:00	3	1	4
4:00	1	0	1
5:00	4	0	4
6:00	2	3	5
7:00	3	1	4
8:00	8	4	12
9:00	7	9	16
10:00	12	6	18
11:00	15	9	24
12:00 PM	12	12	24
1:00	17	17	34
2:00	8	10	18
3:00	6	10	16
4:00	13	10	23
5:00	10	17	27
6:00	11	13	24
7:00	6	9	15
8:00	7	6	13
9:00	6	6	12
10:00	2	3	5
11:00	1	1	2
Total	159	149	308
Percent	51.6%	48.4%	
AM Peak	11:00	9:00	11:00
Volume	15	9	24
PM Peak	1:00	1:00	1:00
Volume	17	17	34

Site Code: zArmstrong 22

Station ID:

Location 1:

Location 2:

Location 3:

Location 4:

Comment 1:

Comment 2:

Comment 3:

Comment 4:

Latitude: 39.041303

Longitude: -122.920309

5/16/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	0	1	1
1:00	1	2	3
2:00	1	1	2
3:00	2	1	3
4:00	1	0	1
5:00	2	2	4
6:00	3	3	6
7:00	26	16	42
8:00	16	17	33
9:00	17	10	27
10:00	16	6	22
11:00	14	17	31
12:00 PM	15	10	25
1:00	16	9	25
2:00	28	22	50
3:00	17	19	36
4:00	20	20	40
5:00	18	15	33
6:00	10	19	29
7:00	9	7	16
8:00	9	5	14
9:00	6	9	15
10:00	4	2	6
11:00	0	6	6
Total	251	219	470
Percent	53.4%	46.6%	
AM Peak	7:00	8:00	7:00
Volume	26	17	42
PM Peak	2:00	2:00	2:00
Volume	28	22	50

Site Code: zArmstrong 22

Station ID:

Location 1:

Location 2:

Location 3:

Location 4:

Comment 1:

Comment 2:

Comment 3:

Comment 4:

Latitude: 39.041303

Longitude: -122.920309

5/17/2022	A to B, None Specified	B to A, None Specified	Total
12:00 AM	0	1	1
1:00	3	0	3
2:00	1	1	2
3:00	2	0	2
4:00	1	1	2
5:00	4	3	7
6:00	5	2	7
7:00	26	13	39
8:00	21	18	39
9:00	11	16	27
10:00	14	10	24
11:00	25	26	51
12:00 PM	15	13	28
1:00	27	12	39
2:00	21	19	40
3:00	24	24	48
4:00	29	16	45
5:00	16	14	30
6:00	12	15	27
7:00	9	9	18
8:00	10	8	18
9:00	5	8	13
10:00	3	6	9
11:00	2	2	4
Total	286	237	523
Percent	54.7%	45.3%	
AM Peak	7:00	11:00	11:00
Volume	26	26	51
PM Peak	4:00	3:00	3:00
Volume	29	24	48

Site Code: zArmstrong 22

Comment 1:

Station ID:

Comment 2:

Location 1:

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 39.041303

Location 4:

Longitude: -122.920309

5/18/2022 Time	A to B, None Specified	B to A, None Specified	Total
12:00 AM	0	1	1
1:00	1	3	4
2:00	2	1	3
3:00	2	1	3
4:00	1	0	1
5:00	3	3	6
6:00	9	5	14
7:00	22	12	34
8:00	12	18	30
9:00	17	7	24
10:00	22	15	37
11:00	14	19	33
12:00 PM	30	24	54
1:00	22	28	50
2:00	13	15	28
3:00	23	16	39
4:00	21	20	41
5:00	25	18	43
6:00	15	13	28
7:00	8	13	21
8:00	5	6	11
9:00	7	3	10
10:00	5	7	12
11:00	3	5	8
Total	282	253	535
Percent	52.7%	47.3%	
AM Peak	7:00	11:00	10:00
Volume	22	19	37
PM Peak	12:00 PM	1:00	12:00 PM
Volume	30	28	54

Site Code: zArmstrong 22  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:  
 Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 39.041303  
 Longitude: -122.920309

5/19/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	0	2	2
1:00	1	1	2
2:00	3	1	4
3:00	2	2	4
4:00	2	1	3
5:00	4	1	5
6:00	7	4	11
7:00	18	16	34
8:00	20	13	33
9:00	6	4	10
10:00	*	*	0
11:00	*	*	0
12:00 PM	*	*	0
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	*	*	0
5:00	*	*	0
6:00	*	*	0
7:00	*	*	0
8:00	*	*	0
9:00	*	*	0
10:00	*	*	0
11:00	*	*	0
Total	63	45	108
Percent	58.3%	41.7%	
AM Peak Volume	8:00	7:00	7:00
PM Peak Volume	20	16	34
Grand Total	1489	1311	2800
Percent ADT	53.2%	46.8%	
	ADT: 471	AADT: 471	



## **Appendix B**

- Site 2



# SPEED DATA ANALYSIS

## Location



Latitude: 0.000000  
Longitude: 0.000000

## Analysis Time Period



Start  
5/18/2022  
12:50 PM

End  
5/25/2022  
9:01 AM

## Vehicles Analyzed



**19,085**

## Speed Limit



**35**

## Average Speed



**32**

## 85th Percentile Speed



**36**

## 10 MPH Pace Speed



**27-36**

## Peak Time of Violations



**5/20/2022  
4:50 PM**

## Standard Deviation



**4.117**

## Enforcement Rating

**MEDIUM**



Site Code: Bevins Martin -Bct  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:

Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

5/18/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	*	*	0
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	*	*	0
5:00	*	*	0
6:00	*	*	0
7:00	*	*	0
8:00	*	*	0
9:00	*	*	0
10:00	*	*	0
11:00	*	*	0
12:00 PM	20	24	44
1:00	116	123	239
2:00	108	95	203
3:00	131	133	264
4:00	158	129	287
5:00	139	121	260
6:00	108	70	178
7:00	65	66	131
8:00	51	37	88
9:00	43	34	77
10:00	23	16	39
11:00	10	5	15
Total	972	853	1825
Percent	53.3%	46.7%	
AM Peak Volume			
PM Peak Volume	4:00	3:00	4:00
	158	133	287

Site Code: Bevins Martin -Bct  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:  
 Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

5/19/2022	A to B, None Specified	B to A, None Specified	Total
12:00 AM	2	4	6
1:00	1	5	6
2:00	7	4	11
3:00	2	4	6
4:00	5	13	18
5:00	11	31	42
6:00	40	60	100
7:00	96	107	203
8:00	104	133	237
9:00	73	102	175
10:00	92	88	180
11:00	121	104	225
12:00 PM	150	152	302
1:00	104	117	221
2:00	122	111	233
3:00	136	98	234
4:00	122	123	245
5:00	159	150	309
6:00	105	79	184
7:00	64	63	127
8:00	55	29	84
9:00	39	26	65
10:00	24	10	34
11:00	6	4	10
Total	1640	1617	3257
Percent	50.4%	49.6%	
AM Peak	11:00	8:00	8:00
Volume	121	133	237
PM Peak	5:00	12:00 PM	5:00
Volume	159	152	309

Site Code: Bevins Martin -Bct  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:  
 Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

5/20/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	9	2	11
1:00	5	2	7
2:00	5	2	7
3:00	6	4	10
4:00	0	13	13
5:00	5	22	27
6:00	30	60	90
7:00	90	109	199
8:00	104	112	216
9:00	72	104	176
10:00	106	80	186
11:00	124	114	238
12:00 PM	144	129	273
1:00	124	127	251
2:00	106	115	221
3:00	161	109	270
4:00	161	111	272
5:00	112	134	246
6:00	99	68	167
7:00	52	50	102
8:00	51	37	88
9:00	55	31	86
10:00	29	20	49
11:00	23	11	34
Total	1673	1566	3239
Percent	51.7%	48.3%	
AM Peak	11:00	11:00	11:00
Volume	124	114	238
PM Peak	3:00	5:00	12:00 PM
Volume	161	134	273

Site Code: Bevins Martin -Bct  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:

Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

5/21/2022	A to B, None Specified	B to A, None Specified	Total
12:00 AM	14	5	19
1:00	6	8	14
2:00	3	6	9
3:00	3	6	9
4:00	2	5	7
5:00	8	13	21
6:00	9	31	40
7:00	16	35	51
8:00	33	65	98
9:00	55	63	118
10:00	82	78	160
11:00	80	89	169
12:00 PM	71	95	166
1:00	75	72	147
2:00	72	66	138
3:00	66	63	129
4:00	64	66	130
5:00	79	58	137
6:00	54	64	118
7:00	65	54	119
8:00	47	33	80
9:00	41	25	66
10:00	24	13	37
11:00	19	9	28
Total	988	1022	2010
Percent	49.2%	50.8%	
AM Peak	10:00	11:00	11:00
Volume	82	89	169
PM Peak	5:00	12:00 PM	12:00 PM
Volume	79	95	166

Site Code: Bevins Martin -Bct  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:

Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

5/22/2022	A to B, None Specified	B to A, None Specified	Total
12:00 AM	13	5	18
1:00	5	6	11
2:00	10	2	12
3:00	6	3	9
4:00	4	3	7
5:00	4	9	13
6:00	7	16	23
7:00	14	27	41
8:00	21	47	68
9:00	39	37	76
10:00	49	62	111
11:00	80	67	147
12:00 PM	52	88	140
1:00	55	67	122
2:00	84	64	148
3:00	70	63	133
4:00	74	66	140
5:00	77	69	146
6:00	54	43	97
7:00	70	52	122
8:00	47	31	78
9:00	36	25	61
10:00	20	18	38
11:00	12	10	22
Total	903	880	1783
Percent	50.6%	49.4%	
AM Peak	11:00	11:00	11:00
Volume	80	67	147
PM Peak	2:00	12:00 PM	2:00
Volume	84	88	148

Site Code: Bevins Martin -Bct  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:  
 Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

5/23/2022 Time	A to B, None Specified	B to A, None Specified	Total
12:00 AM	14	9	23
1:00	3	0	3
2:00	2	1	3
3:00	4	7	11
4:00	4	8	12
5:00	4	27	31
6:00	28	58	86
7:00	90	110	200
8:00	89	110	199
9:00	99	103	202
10:00	98	90	188
11:00	109	106	215
12:00 PM	134	141	275
1:00	125	116	241
2:00	102	105	207
3:00	127	109	236
4:00	120	114	234
5:00	124	116	240
6:00	98	89	187
7:00	63	40	103
8:00	46	45	91
9:00	32	20	52
10:00	18	14	32
11:00	9	8	17
Total	1542	1546	3088
Percent	49.9%	50.1%	
AM Peak Volume	11:00	7:00	11:00
PM Peak Volume	12:00 PM	12:00 PM	12:00 PM

Site Code: Bevins Martin -Bct  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:  
 Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

5/24/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	10	5	15
1:00	5	4	9
2:00	3	4	7
3:00	2	6	8
4:00	1	11	12
5:00	15	31	46
6:00	31	49	80
7:00	99	120	219
8:00	103	109	212
9:00	92	97	189
10:00	78	88	166
11:00	119	98	217
12:00 PM	151	138	289
1:00	120	136	256
2:00	132	120	252
3:00	139	116	255
4:00	128	111	239
5:00	117	141	258
6:00	94	59	153
7:00	56	51	107
8:00	61	33	94
9:00	42	33	75
10:00	22	17	39
11:00	11	5	16
Total	1631	1582	3213
Percent	50.8%	49.2%	
AM Peak	11:00	7:00	7:00
Volume	119	120	219
PM Peak	12:00 PM	5:00	12:00 PM
Volume	151	141	289

Site Code: Bevins Martin -Bct  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:

Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

5/25/2022	A to B, None Specified	B to A, None Specified	Total
12:00 AM	4	5	9
1:00	7	1	8
2:00	2	5	7
3:00	3	2	5
4:00	2	14	16
5:00	9	31	40
6:00	48	70	118
7:00	102	123	225
8:00	104	138	242
9:00	2	1	3
10:00	*	*	0
11:00	*	*	0
12:00 PM	*	*	0
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	*	*	0
5:00	*	*	0
6:00	*	*	0
7:00	*	*	0
8:00	*	*	0
9:00	*	*	0
10:00	*	*	0
11:00	*	*	0
Total	283	390	673
Percent	42.1%	57.9%	
AM Peak	8:00	8:00	8:00
Volume	104	138	242
PM Peak			
Volume			
Grand Total	9632	9456	19088
Percent	50.5%	49.5%	
ADT	ADT: 2,780	AADT: 2,780	

## **Appendix B**

### **• Site 3**



## SPEED DATA ANALYSIS

### Location



Latitude: 39.036587  
Longitude: -122.924622

### Analysis Time Period



Start  
5/14/2022  
10:18 AM

End  
5/18/2022  
11:14 AM

### Vehicles Analyzed



14,029

### Speed Limit



35

### Average Speed



36

### 85th Percentile Speed



41

### 10 MPH Pace Speed



32-41

### Peak Time of Violations



5/16/2022  
5:18 PM

### Standard Deviation



6.652

### Enforcement Rating

HIGH



Site Code: WBevins Lpt Ble-Bct

Comment 1:

Station ID:

Comment 2:

Location 1:

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

5/14/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	*	*	0
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	*	*	0
5:00	*	*	0
6:00	*	*	0
7:00	*	*	0
8:00	*	*	0
9:00	*	*	0
10:00	67	66	133
11:00	123	134	257
12:00 PM	123	90	213
1:00	91	124	215
2:00	85	82	167
3:00	76	88	164
4:00	80	65	145
5:00	65	70	135
6:00	68	64	132
7:00	69	57	126
8:00	60	53	113
9:00	53	37	90
10:00	26	28	54
11:00	22	20	42
Total	1008	978	1986
Percent	50.8%	49.2%	
AM Peak	11:00	11:00	11:00
Volume	123	134	257
PM Peak	12:00 PM	1:00	1:00
Volume	123	124	215

Site Code: WBevins Lpt Ble-Bct

Comment 1:

Station ID:

Comment 2:

Location 1:

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

5/15/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	14	11	25
1:00	10	5	15
2:00	7	5	12
3:00	5	2	7
4:00	3	4	7
5:00	7	4	11
6:00	9	18	27
7:00	20	25	45
8:00	39	54	93
9:00	72	59	131
10:00	70	85	155
11:00	88	73	161
12:00 PM	81	84	165
1:00	67	84	151
2:00	68	71	139
3:00	78	74	152
4:00	59	66	125
5:00	67	53	120
6:00	76	61	137
7:00	56	42	98
8:00	46	42	88
9:00	45	30	75
10:00	11	14	25
11:00	13	10	23
Total	1011	976	1987
Percent	50.9%	49.1%	
AM Peak	11:00	10:00	11:00
Volume	88	85	161
PM Peak	12:00 PM	12:00 PM	12:00 PM
Volume	81	84	165

Site Code: WBevins Lpt Ble-Bct Comment 1:  
 Station ID: Comment 2:  
 Location 1: Comment 3:  
 Location 2: Comment 4:  
 Location 3:  
 Location 4: Latitude: 0.000000  
 Longitude: 0.000000

5/16/2022 Time	A to B, None Specified	B to A, None Specified	Total
12:00 AM	5	2	7
1:00	3	4	7
2:00	4	3	7
3:00	5	3	8
4:00	2	13	15
5:00	14	33	47
6:00	59	56	115
7:00	186	93	279
8:00	189	111	300
9:00	130	144	274
10:00	130	148	278
11:00	139	158	297
12:00 PM	181	163	344
1:00	156	118	274
2:00	150	144	294
3:00	176	136	312
4:00	142	175	317
5:00	172	216	388
6:00	107	92	199
7:00	78	86	164
8:00	50	76	126
9:00	49	29	78
10:00	15	11	26
11:00	9	10	19
Total	2151	2024	4175
Percent	51.5%	48.5%	
AM Peak	8:00	11:00	8:00
Volume	189	158	300
PM Peak	12:00 PM	5:00	5:00
Volume	181	216	388

Site Code: WBevins Lpt Ble-Bct  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:  
 Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

5/17/2022 Time	A to B, None Specified	B to A, None Specified	Total
12:00 AM	7	3	10
1:00	3	3	6
2:00	7	4	11
3:00	5	6	11
4:00	3	10	13
5:00	14	40	54
6:00	77	56	133
7:00	189	93	282
8:00	180	134	314
9:00	138	135	273
10:00	136	150	286
11:00	137	168	305
12:00 PM	188	181	369
1:00	187	149	336
2:00	176	159	335
3:00	154	177	331
4:00	151	177	328
5:00	125	213	338
6:00	99	112	211
7:00	70	69	139
8:00	59	65	124
9:00	44	31	75
10:00	21	21	42
11:00	11	9	20
Total	2181	2165	4346
Percent	50.2%	49.8%	
AM Peak	7:00	11:00	8:00
Volume	189	168	314
PM Peak	12:00 PM	5:00	12:00 PM
Volume	188	213	369

Site Code: WBevins Lpt Ble-Bct  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:  
 Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

5/18/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	11	8	19
1:00	1	6	7
2:00	6	3	9
3:00	5	6	11
4:00	3	10	13
5:00	10	31	41
6:00	87	59	146
7:00	199	97	296
8:00	231	142	373
9:00	130	137	267
10:00	141	152	293
11:00	31	30	61
12:00 PM	*	*	0
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	*	*	0
5:00	*	*	0
6:00	*	*	0
7:00	*	*	0
8:00	*	*	0
9:00	*	*	0
10:00	*	*	0
11:00	*	*	0
Total	855	681	1536
Percent	55.7%	44.3%	
AM Peak	8:00	10:00	8:00
Volume	231	152	373
PM Peak			
Volume			
Grand Total	7206	6824	14030
Percent	51.4%	48.6%	
ADT	ADT: 3,396	AADT: 3,396	



## **Appendix B**

- Site 4



## SPEED DATA ANALYSIS

### Location



Armstrong to First Street  
Latitude: 0.000000  
Longitude: 0.000000

### Analysis Time Period



Start  
6/20/2023  
4:38 PM

End  
6/28/2023  
9:11 AM

### Vehicles Analyzed



15,209

### Speed Limit



35

### Average Speed



29

### 85th Percentile Speed



34

### 10 MPH Pace Speed



25-34

### Peak Time of Violations



6/21/2023  
7:38 AM

### Standard Deviation



5.545

### Enforcement Rating

MEDIUM



Site Code: 04 South Forbes Street

Comment 1: Between Martin 6th  
Street

Station ID: Site 04

Comment 2:

Location 1: Armstrong to First Street

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

6/20/2023 A to B, None B to A, None

Time Specified Specified

Total

12:00 AM	*	*	
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	*	*	0
5:00	*	*	0
6:00	*	*	0
7:00	*	*	0
8:00	*	*	0
9:00	*	*	0
10:00	*	*	0
11:00	*	*	0
12:00 PM	*	*	0
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	40	28	68
5:00	63	122	185
6:00	58	63	121
7:00	46	44	90
8:00	35	30	65
9:00	18	25	43
10:00	8	6	14
11:00	5	6	11
Total	273	324	597
Percent	45.7%	54.3%	
AM Peak Volume			
PM Peak Volume	5:00	5:00	5:00
	63	122	185

Site Code: 04 South Forbes Street

Comment 1: Between Martin 6th  
Street

Station ID: Site 04

Comment 2:

Location 1: Armstrong to First Street

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

6/21/2023	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	3	4	7
1:00	4	0	4
2:00	3	2	5
3:00	0	3	3
4:00	2	4	6
5:00	6	11	17
6:00	16	25	41
7:00	74	61	135
8:00	81	85	166
9:00	63	83	146
10:00	79	84	163
11:00	102	121	223
12:00 PM	99	134	233
1:00	94	114	208
2:00	85	119	204
3:00	96	110	206
4:00	74	99	173
5:00	95	109	204
6:00	46	48	94
7:00	38	48	86
8:00	32	38	70
9:00	13	17	30
10:00	7	16	23
11:00	7	15	22
Total	1119	1350	2469
Percent	45.3%	54.7%	
AM Peak	11:00	11:00	11:00
Volume	102	121	223
PM Peak	12:00 PM	12:00 PM	12:00 PM
Volume	99	134	233

Site Code: 04 South Forbes Street

Comment 1: Between Martin 6th  
Street

Station ID: Site 04

Comment 2:

Location 1: Armstrong to First Street

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

6/22/2023	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	2	5	7
1:00	2	0	2
2:00	2	0	2
3:00	3	4	7
4:00	0	4	4
5:00	6	13	19
6:00	20	20	40
7:00	69	60	129
8:00	84	78	162
9:00	54	54	108
10:00	62	78	140
11:00	78	116	194
12:00 PM	106	132	238
1:00	98	111	209
2:00	96	105	201
3:00	97	106	203
4:00	74	114	188
5:00	89	100	189
6:00	50	65	115
7:00	28	34	62
8:00	27	32	59
9:00	20	24	44
10:00	8	11	19
11:00	13	13	26
Total	1088	1279	2367
Percent	46.0%	54.0%	
AM Peak	8:00	11:00	11:00
Volume	84	116	194
PM Peak	12:00 PM	12:00 PM	12:00 PM
Volume	106	132	238

Site Code: 04 South Forbes Street

Comment 1: Between Martin 6th  
Street

Station ID: Site 04

Comment 2:

Location 1: Armstrong to First Street

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

6/23/2023	A to B, None Time Specified	B to A, None Specified	Total
12:00 AM	1	7	8
1:00	3	3	6
2:00	5	1	6
3:00	0	1	1
4:00	0	1	1
5:00	8	12	20
6:00	13	19	32
7:00	62	57	119
8:00	86	73	159
9:00	48	71	119
10:00	52	73	125
11:00	72	94	166
12:00 PM	91	131	222
1:00	88	123	211
2:00	74	115	189
3:00	97	115	212
4:00	87	108	195
5:00	93	79	172
6:00	53	71	124
7:00	50	56	106
8:00	24	54	78
9:00	15	26	41
10:00	15	20	35
11:00	6	12	18
Total	1043	1322	2365
Percent	44.1%	55.9%	
AM Peak	8:00	11:00	11:00
Volume	86	94	166
PM Peak	3:00	12:00 PM	12:00 PM
Volume	97	131	222

Site Code: 04 South Forbes Street

Comment 1: Between Martin 6th

Street

Station ID: Site 04

Comment 2:

Location 1: Armstrong to First Street

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

6/24/2023 A to B, None B to A, None			
Time	A Specified	B Specified	Total
12:00 AM	5	4	9
1:00	2	8	10
2:00	2	2	4
3:00	1	4	5
4:00	4	4	8
5:00	5	4	9
6:00	6	9	15
7:00	10	21	31
8:00	19	37	56
9:00	55	57	112
10:00	53	54	107
11:00	66	72	138
12:00 PM	61	79	140
1:00	42	81	123
2:00	49	65	114
3:00	42	71	113
4:00	46	57	103
5:00	37	47	84
6:00	37	52	89
7:00	26	30	56
8:00	37	29	66
9:00	19	35	54
10:00	11	14	25
11:00	2	10	12
Total	637	846	1483
Percent	43.0%	57.0%	
AM Peak	11:00	11:00	11:00
Volume	66	72	138
PM Peak	12:00 PM	1:00	12:00 PM
Volume	61	81	140

Site Code: 04 South Forbes Street

Comment 1: Between Martin 6th  
Street

Station ID: Site 04

Comment 2:

Location 1: Armstrong to First Street

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

6/25/2023	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	4	12	16
1:00	1	6	7
2:00	2	1	3
3:00	4	3	7
4:00	4	1	5
5:00	2	2	4
6:00	3	2	5
7:00	10	16	26
8:00	21	25	46
9:00	26	36	62
10:00	42	46	88
11:00	54	51	105
12:00 PM	50	59	109
1:00	44	59	103
2:00	34	40	74
3:00	28	39	67
4:00	42	47	89
5:00	41	44	85
6:00	29	46	75
7:00	20	28	48
8:00	22	22	44
9:00	15	22	37
10:00	6	4	10
11:00	3	6	9
Total	507	617	1124
Percent	45.1%	54.9%	
AM Peak	11:00	11:00	11:00
Volume	54	51	105
PM Peak	12:00 PM	12:00 PM	12:00 PM
Volume	50	59	109

Site Code: 04 South Forbes Street

Comment 1: Between Martin 6th

Street

Station ID: Site 04

Comment 2:

Location 1: Armstrong to First Street

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

6/26/2023	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	7	4	11
1:00	5	4	9
2:00	1	2	3
3:00	1	2	3
4:00	0	1	1
5:00	3	7	10
6:00	10	21	31
7:00	64	53	117
8:00	74	52	126
9:00	50	61	111
10:00	49	78	127
11:00	85	80	165
12:00 PM	108	107	215
1:00	88	109	197
2:00	70	94	164
3:00	93	101	194
4:00	66	86	152
5:00	77	99	176
6:00	44	43	87
7:00	30	29	59
8:00	31	33	64
9:00	21	19	40
10:00	4	11	15
11:00	8	3	11
Total	989	1099	2088
Percent	47.4%	52.6%	
AM Peak	11:00	11:00	11:00
Volume	85	80	165
PM Peak	12:00 PM	1:00	12:00 PM
Volume	108	109	215

Site Code: 04 South Forbes Street

Comment 1: Between Martin 6th  
Street

Station ID: Site 04

Comment 2:

Location 1: Armstrong to First Street

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

6/27/2023	A to B, None Specified	B to A, None Specified	Total
12:00 AM	3	4	7
1:00	3	2	5
2:00	2	1	3
3:00	4	5	9
4:00	3	3	6
5:00	4	5	9
6:00	18	30	48
7:00	72	58	130
8:00	70	68	138
9:00	74	55	129
10:00	73	73	146
11:00	86	76	162
12:00 PM	105	129	234
1:00	84	119	203
2:00	80	109	189
3:00	88	90	178
4:00	93	99	192
5:00	84	101	185
6:00	48	62	110
7:00	36	36	72
8:00	33	32	65
9:00	17	37	54
10:00	12	8	20
11:00	6	5	11
Total	1098	1207	2305
Percent	47.6%	52.4%	
AM Peak	11:00	11:00	11:00
Volume	86	76	162
PM Peak	12:00 PM	12:00 PM	12:00 PM
Volume	105	129	234

Site Code: 04 South Forbes Street

Comment 1: Between Martin 6th  
Street

Station ID: Site 04

Comment 2:

Location 1: Armstrong to First Street

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

6/28/2023 Time	A to B, None Specified	B to A, None Specified	Total
12:00 AM	11	5	16
1:00	1	2	3
2:00	3	1	4
3:00	1	5	6
4:00	1	2	3
5:00	3	10	13
6:00	16	26	42
7:00	72	46	118
8:00	96	83	179
9:00	14	14	28
10:00	*	*	0
11:00	*	*	0
12:00 PM	*	*	0
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	*	*	0
5:00	*	*	0
6:00	*	*	0
7:00	*	*	0
8:00	*	*	0
9:00	*	*	0
10:00	*	*	0
11:00	*	*	0
Total	218	194	412
Percent	52.9%	47.1%	
AM Peak	8:00	8:00	8:00
Volume	96	83	179
PM Peak			
Volume			
Grand Total	6972	8238	15210
Percent	45.8%	54.2%	
ADT	ADT: 2,026	AADT: 2,026	



## **Appendix B**

- **Site 5**



## SPEED DATA ANALYSIS

### Location



6th Street to Clearlake Avenue  
Latitude: 0.000000  
Longitude: 0.000000

### Analysis Time Period



Start  
6/14/2023  
12:02 PM

End  
6/20/2023  
11:19 AM

### Vehicles Analyzed



12,796

### Speed Limit



35

### Average Speed



29

### 85th Percentile Speed



33

### 10 MPH Pace Speed



24-33

### Peak Time of Violations



6/14/2023  
5:02 PM

### Standard Deviation



4.923

### Enforcement Rating

LOW



Site Code: 5 North Forbes

Comment 1: Located between 7th &

8th streets

Comment 2:

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

Station ID: Site 05  
Location 1: 6th Street to Clearlake Avenue  
Location 2:  
Location 3:  
Location 4:

Time	A to B, None Specified	B to A, None Specified	Total
12:00 AM	*	*	0
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	*	*	0
5:00	*	*	0
6:00	*	*	0
7:00	*	*	0
8:00	*	*	0
9:00	*	*	0
10:00	*	*	0
11:00	*	*	0
12:00 PM	113	114	227
1:00	113	108	221
2:00	111	120	231
3:00	111	95	206
4:00	108	109	217
5:00	168	101	269
6:00	60	72	132
7:00	48	51	99
8:00	56	40	96
9:00	22	23	45
10:00	11	14	25
11:00	8	8	16
Total	929	855	1784
Percent	52.1%	47.9%	
AM Peak Volume			
PM Peak Volume	5:00	2:00	5:00
	168	120	269

Site Code: 5 North Forbes

Comment 1: Located between 7th &  
8th streets

Station ID: Site 05

Comment 2:

Location 1: 6th Street to Clearlake Avenue

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

6/15/2023	A to B, None Specified	B to A, None Specified	Total
12:00 AM	8	2	10
1:00	5	2	7
2:00	4	2	6
3:00	2	2	4
4:00	3	1	4
5:00	7	7	14
6:00	13	37	50
7:00	36	98	134
8:00	47	94	141
9:00	75	92	167
10:00	73	86	159
11:00	110	108	218
12:00 PM	118	131	249
1:00	114	112	226
2:00	109	111	220
3:00	102	113	215
4:00	114	101	215
5:00	127	75	202
6:00	71	58	129
7:00	59	44	103
8:00	40	39	79
9:00	34	29	63
10:00	11	19	30
11:00	10	11	21
Total	1292	1374	2666
Percent	48.5%	51.5%	
AM Peak	11:00	11:00	11:00
Volume	110	108	218
PM Peak	5:00	12:00 PM	12:00 PM
Volume	127	131	249

Site Code: 5 North Forbes

Comment 1: Located between 7th &

8th streets

Comment 2:

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

Station ID: Site 05  
Location 1: 6th Street to Clearlake Avenue  
Location 2:  
Location 3:  
Location 4:

6/16/2023	A to B, None Specified	B to A, None Specified	Total
12:00 AM	6	2	8
1:00	2	4	6
2:00	2	1	3
3:00	3	4	7
4:00	2	1	3
5:00	6	8	14
6:00	20	29	49
7:00	29	77	106
8:00	45	86	131
9:00	79	105	184
10:00	74	95	169
11:00	117	116	233
12:00 PM	105	121	226
1:00	119	107	226
2:00	108	89	197
3:00	116	105	221
4:00	113	120	233
5:00	132	73	205
6:00	67	87	154
7:00	49	52	101
8:00	62	36	98
9:00	38	23	61
10:00	18	26	44
11:00	14	14	28
Total	1326	1381	2707
Percent	49.0%	51.0%	
AM Peak	11:00	11:00	11:00
Volume	117	116	233
PM Peak	5:00	12:00 PM	4:00
Volume	132	121	233

Site Code: 5 North Forbes

Comment 1: Located between 7th &

8th streets

Comment 2:

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

Station ID: Site 05

Location 1: 6th Street to Clearlake Avenue

Location 2:

Location 3:

Location 4:

6/17/2023	A to B, None Specified	B to A, None Specified	Total
12:00 AM	5	7	12
1:00	9	5	14
2:00	7	2	9
3:00	1	1	2
4:00	2	1	3
5:00	11	4	15
6:00	7	10	17
7:00	23	13	36
8:00	39	45	84
9:00	49	43	92
10:00	60	77	137
11:00	63	84	147
12:00 PM	79	84	163
1:00	68	71	139
2:00	56	59	115
3:00	59	47	106
4:00	59	48	107
5:00	55	58	113
6:00	45	49	94
7:00	43	45	88
8:00	25	24	49
9:00	21	21	42
10:00	24	21	45
11:00	13	13	26
Total	823	832	1655
Percent	49.7%	50.3%	
AM Peak	11:00	11:00	11:00
Volume	63	84	147
PM Peak	12:00 PM	12:00 PM	12:00 PM
Volume	79	84	163

Site Code: 5 North Forbes

Comment 1: Located between 7th &

8th streets

Comment 2:

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

Station ID: Site 05  
Location 1: 6th Street to Clearlake Avenue  
Location 2:  
Location 3:  
Location 4:

Time	A to B, None Specified	B to A, None Specified	Total
12:00 AM	8	5	13
1:00	7	2	9
2:00	3	4	7
3:00	2	2	4
4:00	2	3	5
5:00	5	2	7
6:00	11	7	18
7:00	19	16	35
8:00	12	31	43
9:00	45	49	94
10:00	50	73	123
11:00	54	57	111
12:00 PM	56	53	109
1:00	56	44	100
2:00	45	38	83
3:00	49	50	99
4:00	43	46	89
5:00	25	52	77
6:00	30	32	62
7:00	23	34	57
8:00	26	26	52
9:00	24	26	50
10:00	6	11	17
11:00	4	8	12
Total	605	671	1276
Percent	47.4%	52.6%	
AM Peak	11:00	10:00	10:00
Volume	54	73	123
PM Peak	12:00 PM	12:00 PM	12:00 PM
Volume	56	53	109

Site Code: 5 North Forbes

Comment 1: Located between 7th &

8th streets

Comment 2:

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

Station ID: Site 05

Location 1: 6th Street to Clearlake Avenue

Location 2:

Location 3:

Location 4:

6/19/2023	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	12	4	16
1:00	3	4	7
2:00	1	2	3
3:00	6	6	12
4:00	3	2	5
5:00	10	3	13
6:00	14	15	29
7:00	19	33	52
8:00	44	57	101
9:00	54	60	114
10:00	59	76	135
11:00	58	60	118
12:00 PM	87	79	166
1:00	66	65	131
2:00	59	90	149
3:00	91	71	162
4:00	68	71	139
5:00	127	64	191
6:00	50	37	87
7:00	44	35	79
8:00	24	37	61
9:00	17	18	35
10:00	7	10	17
11:00	7	7	14
Total	930	906	1836
Percent	50.7%	49.3%	
AM Peak	10:00	10:00	10:00
Volume	59	76	135
PM Peak	5:00	2:00	5:00
Volume	127	90	191

Site Code:	5 North Forbes	Comment 1: Located between 7th & 8th streets	
Station ID:	Site 05	Comment 2:	
Location 1:	6th Street to Clearlake Avenue	Comment 3:	
Location 2:		Comment 4:	
Location 3:		Latitude: 0.000000	
Location 4:		Longitude: 0.000000	
6/20/2023	A to B, None Time Specified	B to A, None Specified	Total
12:00 AM	6	5	11
1:00	2	4	6
2:00	2	1	3
3:00	0	3	3
4:00	5	2	7
5:00	7	9	16
6:00	18	39	57
7:00	48	104	152
8:00	58	147	205
9:00	82	81	163
10:00	92	101	193
11:00	22	36	58
12:00 PM	*	*	0
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	*	*	0
5:00	*	*	0
6:00	*	*	0
7:00	*	*	0
8:00	*	*	0
9:00	*	*	0
10:00	*	*	0
11:00	*	*	0
Total	342	532	874
Percent	39.1%	60.9%	
AM Peak	10:00	8:00	8:00
Volume	92	147	205
PM Peak			
Volume			
Grand Total	6247	6551	12798
Percent	48.8%	51.2%	
ADT	ADT: 2,133	AADT: 2,133	



## **Appendix B**

### **• Site 6**



# SPEED DATA ANALYSIS

## Location



Latitude: 0.000000  
Longitude: 0.000000

## Analysis Time Period



Start  
6/7/2022  
12:52 PM

End  
6/12/2022  
12:28 PM

## Vehicles Analyzed



1,832

## Speed Limit



35

## Average Speed



28

## 85th Percentile Speed



32

## 10 MPH Pace Speed



24-33

## Peak Time of Violations



6/9/2022  
8:52 AM

## Standard Deviation



5.483

## Enforcement Rating

LOW



Site Code: Giselman Lakeshore  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:

Comment 1:  
 Comment 2:  
 .Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

Time	A to B, None Specified	B to A, None Specified	Total
12:00 AM	*	*	0
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	*	*	0
5:00	*	*	0
6:00	*	*	0
7:00	*	*	0
8:00	*	*	0
9:00	*	*	0
10:00	*	*	0
11:00	*	*	0
12:00 PM	0	2	2
1:00	28	17	45
2:00	21	23	44
3:00	23	24	47
4:00	21	12	33
5:00	29	22	51
6:00	8	16	24
7:00	10	8	18
8:00	5	4	9
9:00	1	2	3
10:00	2	1	3
11:00	2	4	6
Total	150	135	285
Percent	52.6%	47.4%	
AM Peak Volume			
PM Peak Volume	5:00	3:00	5:00
	29	24	51

Site Code: Giselman Lakeshore Comment 1:  
 Station ID: Comment 2:  
 Location 1: Comment 3:  
 Location 2: Comment 4:  
 Location 3: Latitude: 0.000000  
 Location 4: Longitude: 0.000000

6/8/2022 Time	A to B, None Specified	B to A, None Specified	Total
12:00 AM	2	0	2
1:00	0	0	0
2:00	0	0	0
3:00	0	1	1
4:00	0	0	0
5:00	2	4	6
6:00	2	5	7
7:00	12	25	37
8:00	22	21	43
9:00	9	17	26
10:00	10	12	22
11:00	29	30	59
12:00 PM	23	6	29
1:00	15	13	28
2:00	17	17	34
3:00	19	12	31
4:00	14	10	24
5:00	21	27	48
6:00	3	4	7
7:00	7	2	9
8:00	5	4	9
9:00	4	4	8
10:00	0	4	4
11:00	4	2	6
Total	220	220	440
Percent	50.0%	50.0%	
AM Peak Volume	11:00	11:00	11:00
PM Peak Volume	12:00 PM	5:00	5:00
	23	27	48

Site Code: Giselman Lakeshore Comment 1:  
 Station ID: Comment 2:  
 Location 1: Comment 3:  
 Location 2: Comment 4:  
 Location 3: Latitude: 0.000000  
 Location 4: Longitude: 0.000000

6/9/2022 Time	A to B, None Specified	B to A, None Specified	Total
12:00 AM	1	2	3
1:00	0	0	0
2:00	1	1	2
3:00	0	0	0
4:00	0	0	0
5:00	0	3	3
6:00	2	8	10
7:00	19	23	42
8:00	20	21	41
9:00	9	9	18
10:00	10	17	27
11:00	26	27	53
12:00 PM	33	24	57
1:00	13	6	19
2:00	15	16	31
3:00	15	14	29
4:00	12	13	25
5:00	18	22	40
6:00	7	4	11
7:00	6	3	9
8:00	3	4	7
9:00	0	2	2
10:00	1	0	1
11:00	2	1	3
Total	213	220	433
Percent	49.2%	50.8%	
AM Peak	11:00	11:00	11:00
Volume	26	27	53
PM Peak	12:00 PM	12:00 PM	12:00 PM
Volume	33	24	57

Site Code: Giselman Lakeshore  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:  
 Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

6/10/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	2	0	2
1:00	0	0	0
2:00	0	0	0
3:00	0	1	1
4:00	0	0	0
5:00	0	6	6
6:00	1	4	5
7:00	15	22	37
8:00	18	24	42
9:00	3	11	14
10:00	12	6	18
11:00	23	18	41
12:00 PM	22	16	38
1:00	8	11	19
2:00	12	8	20
3:00	11	9	20
4:00	19	13	32
5:00	7	12	19
6:00	5	2	7
7:00	6	6	12
8:00	2	6	8
9:00	3	3	6
10:00	3	2	5
11:00	1	0	1
Total	173	180	353
Percent	49.0%	51.0%	
AM Peak	11:00	8:00	8:00
Volume	23	24	42
PM Peak	12:00 PM	12:00 PM	12:00 PM
Volume	22	16	38

Site Code: Giselman Lakeshore  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:  
 Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

6/11/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	0	0	0
1:00	0	0	0
2:00	0	1	1
3:00	0	0	0
4:00	0	0	0
5:00	0	2	2
6:00	1	2	3
7:00	6	7	13
8:00	3	8	11
9:00	9	15	24
10:00	9	17	26
11:00	8	18	26
12:00 PM	10	13	23
1:00	9	13	22
2:00	3	6	9
3:00	6	2	8
4:00	10	7	17
5:00	4	5	9
6:00	4	5	9
7:00	7	9	16
8:00	4	2	6
9:00	2	3	5
10:00	3	2	5
11:00	0	2	2
Total	98	139	237
Percent	41.4%	58.6%	
AM Peak	9:00	11:00	10:00
Volume	9	18	26
PM Peak	12:00 PM	12:00 PM	12:00 PM
Volume	10	13	23

Site Code: Giselman Lakeshore  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:  
 Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

6/12/2022 Time	A to B, None Specified	B to A, None Specified	Total
12:00 AM	2	0	2
1:00	0	1	1
2:00	0	0	0
3:00	0	1	1
4:00	0	0	0
5:00	0	0	0
6:00	0	0	0
7:00	0	1	1
8:00	4	4	8
9:00	8	14	22
10:00	5	9	14
11:00	13	11	24
12:00 PM	5	6	11
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	*	*	0
5:00	*	*	0
6:00	*	*	0
7:00	*	*	0
8:00	*	*	0
9:00	*	*	0
10:00	*	*	0
11:00	*	*	0
Total	37	47	84
Percent	44.0%	56.0%	
AM Peak Volume	11:00	9:00	11:00
PM Peak Volume	12:00 PM	12:00 PM	12:00 PM
Grand Total ADT	891	941	1832
Percent ADT	48.6%	51.4%	
		AADT: 361	

## **Appendix B**

- Site 7



## SPEED DATA ANALYSIS

### Location



Latitude: 0.000000  
Longitude: 0.000000

### Analysis Time Period



Start  
5/26/2022  
10:04 AM

End  
6/3/2022  
9:59 AM

### Vehicles Analyzed



**11,683**

### Speed Limit



**35**

### Average Speed



**30**

### 85th Percentile Speed



**35**

### 10 MPH Pace Speed



**26-35**

### Peak Time of Violations



**5/27/2022  
5:04 PM**

### Standard Deviation



**5.682**

### Enforcement Rating

**MEDIUM**



Site Code: Hartley 16th-17th  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:  
 Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

5/26/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	*	*	0
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	*	*	0
5:00	*	*	0
6:00	*	*	0
7:00	*	*	0
8:00	*	*	0
9:00	*	*	0
10:00	36	38	74
11:00	49	63	112
12:00 PM	55	73	128
1:00	61	67	128
2:00	52	55	107
3:00	66	59	125
4:00	75	60	135
5:00	85	77	162
6:00	55	70	125
7:00	49	50	99
8:00	36	28	64
9:00	21	27	48
10:00	11	13	24
11:00	7	7	14
Total	658	687	1345
Percent	48.9%	51.1%	
AM Peak	11:00	11:00	11:00
Volume	49	63	112
PM Peak	5:00	5:00	5:00
Volume	85	77	162

Site Code: Hartley 16th-17th  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:  
 Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

5/27/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	4	3	7
1:00	1	0	1
2:00	2	1	3
3:00	0	3	3
4:00	0	5	5
5:00	5	17	22
6:00	11	45	56
7:00	44	87	131
8:00	42	67	109
9:00	33	58	91
10:00	31	64	95
11:00	51	71	122
12:00 PM	80	89	169
1:00	60	87	147
2:00	55	75	130
3:00	70	57	127
4:00	63	53	116
5:00	69	58	127
6:00	76	41	117
7:00	39	36	75
8:00	34	43	77
9:00	37	68	105
10:00	26	25	51
11:00	4	5	9
Total	837	1058	1895
Percent	44.2%	55.8%	
AM Peak Volume	11:00	7:00	7:00
PM Peak Volume	12:00 PM	12:00 PM	12:00 PM

Site Code: Hartley 16th-17th  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:  
 Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

Time	A to B, None Specified	B to A, None Specified	Total
12:00 AM	7	4	11
1:00	8	1	9
2:00	4	3	7
3:00	3	2	5
4:00	0	3	3
5:00	3	12	15
6:00	7	20	27
7:00	13	28	41
8:00	11	31	42
9:00	27	54	81
10:00	42	72	114
11:00	62	63	125
12:00 PM	56	59	115
1:00	45	51	96
2:00	51	57	108
3:00	34	48	82
4:00	37	53	90
5:00	36	40	76
6:00	39	44	83
7:00	29	34	63
8:00	28	25	53
9:00	23	20	43
10:00	25	20	45
11:00	11	11	22
Total	601	755	1356
Percent	44.3%	55.7%	
AM Peak Volume	11:00	10:00	11:00
PM Peak Volume	12:00 PM	12:00 PM	12:00 PM

Site Code: Hartley 16th-17th

Comment 1:

Station ID:

Comment 2:

Location 1:

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

5/29/2022	A to B, None Specified	B to A, None Specified	Total
12:00 AM	7	2	9
1:00	2	1	3
2:00	4	4	8
3:00	3	6	9
4:00	1	2	3
5:00	3	4	7
6:00	2	8	10
7:00	6	16	22
8:00	14	33	47
9:00	21	36	57
10:00	33	51	84
11:00	32	60	92
12:00 PM	42	58	100
1:00	38	45	83
2:00	29	36	65
3:00	45	32	77
4:00	46	45	91
5:00	44	35	79
6:00	22	40	62
7:00	34	30	64
8:00	28	34	62
9:00	23	25	48
10:00	9	16	25
11:00	7	4	11
Total	495	623	1118
Percent	44.3%	55.7%	
AM Peak	10:00	11:00	11:00
Volume	33	60	92
PM Peak	4:00	12:00 PM	12:00 PM
Volume	46	58	100

Site Code: Hartley 16th-17th

Station ID:

Location 1:

Location 2:

Location 3:

Location 4:

Comment 1:

Comment 2:

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

5/30/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	6	4	10
1:00	2	2	4
2:00	1	3	4
3:00	1	2	3
4:00	2	2	4
5:00	1	8	9
6:00	4	16	20
7:00	5	29	34
8:00	13	28	41
9:00	12	36	48
10:00	26	43	69
11:00	33	44	77
12:00 PM	45	62	107
1:00	44	48	92
2:00	38	43	81
3:00	49	48	97
4:00	41	52	93
5:00	38	41	79
6:00	36	34	70
7:00	25	31	56
8:00	19	36	55
9:00	13	14	27
10:00	7	15	22
11:00	8	2	10
Total	469	643	1112
Percent	42.2%	57.8%	
AM Peak	11:00	11:00	11:00
Volume	33	44	77
PM Peak	3:00	12:00 PM	12:00 PM
Volume	49	62	107

Site Code: Hartley 16th-17th Comment 1:  
 Station ID: Comment 2:  
 Location 1: Comment 3:  
 Location 2: Comment 4:  
 Location 3: Latitude: 0.000000  
 Location 4: Longitude: 0.000000

5/31/2022 Time	A to B, None Specified	B to A, None Specified	Total
12:00 AM	4	3	7
1:00	2	3	5
2:00	1	2	3
3:00	0	7	7
4:00	0	9	9
5:00	2	15	17
6:00	5	28	33
7:00	11	85	96
8:00	19	51	70
9:00	23	57	80
10:00	32	45	77
11:00	45	55	100
12:00 PM	51	58	109
1:00	40	51	91
2:00	55	51	106
3:00	64	47	111
4:00	54	47	101
5:00	75	59	134
6:00	60	32	92
7:00	30	31	61
8:00	25	21	46
9:00	20	17	37
10:00	23	12	35
11:00	9	6	15
Total	650	792	1442
Percent	45.1%	54.9%	
AM Peak	11:00	7:00	11:00
Volume	45	85	100
PM Peak	5:00	5:00	5:00
Volume	75	59	134

Site Code: Hartley 16th-17th  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:  
 Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

6/1/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	2	3	5
1:00	0	0	0
2:00	1	2	3
3:00	0	8	8
4:00	1	10	11
5:00	1	14	15
6:00	7	44	51
7:00	23	85	108
8:00	29	59	88
9:00	26	55	81
10:00	22	39	61
11:00	33	68	101
12:00 PM	56	54	110
1:00	46	61	107
2:00	59	65	124
3:00	64	54	118
4:00	51	51	102
5:00	82	55	137
6:00	55	36	91
7:00	33	35	68
8:00	35	32	67
9:00	28	20	48
10:00	12	9	21
11:00	5	2	7
Total	671	861	1532
Percent	43.8%	56.2%	
AM Peak	11:00	7:00	7:00
Volume	33	85	108
PM Peak	5:00	2:00	5:00
Volume	82	65	137

Site Code: Hartley 16th-17th  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
Location 4:

Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

6/2/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	4	2	6
1:00	1	0	1
2:00	1	2	3
3:00	2	5	7
4:00	0	11	11
5:00	2	17	19
6:00	8	39	47
7:00	16	83	99
8:00	21	53	74
9:00	21	46	67
10:00	30	54	84
11:00	44	47	91
12:00 PM	51	50	101
1:00	48	63	111
2:00	38	56	94
3:00	59	52	111
4:00	63	57	120
5:00	78	69	147
6:00	46	45	91
7:00	32	52	84
8:00	45	28	73
9:00	22	21	43
10:00	14	12	26
11:00	11	6	17
Total	657	870	1527
Percent	43.0%	57.0%	
AM Peak	11:00	7:00	7:00
Volume	44	83	99
PM Peak	5:00	5:00	5:00
Volume	78	69	147

Site Code: Hartley 16th-17th  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:  
 Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

6/3/2022	A to B, None Specified	B to A, None Specified	Total
12:00 AM	4	1	5
1:00	3	1	4
2:00	0	4	4
3:00	2	4	6
4:00	1	4	5
5:00	5	18	23
6:00	10	42	52
7:00	21	73	94
8:00	24	59	83
9:00	29	51	80
10:00	*	*	0
11:00	*	*	0
12:00 PM	*	*	0
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	*	*	0
5:00	*	*	0
6:00	*	*	0
7:00	*	*	0
8:00	*	*	0
9:00	*	*	0
10:00	*	*	0
11:00	*	*	0
Total	99	257	356
Percent	27.8%	72.2%	
AM Peak	9:00	7:00	7:00
Volume	29	73	94
PM Peak			
Volume			
Grand Total	5137	6546	11683
Percent	44.0%	56.0%	
ADT	ADT: 1,461		AADT: 1,461



## **Appendix B**

- Site 8

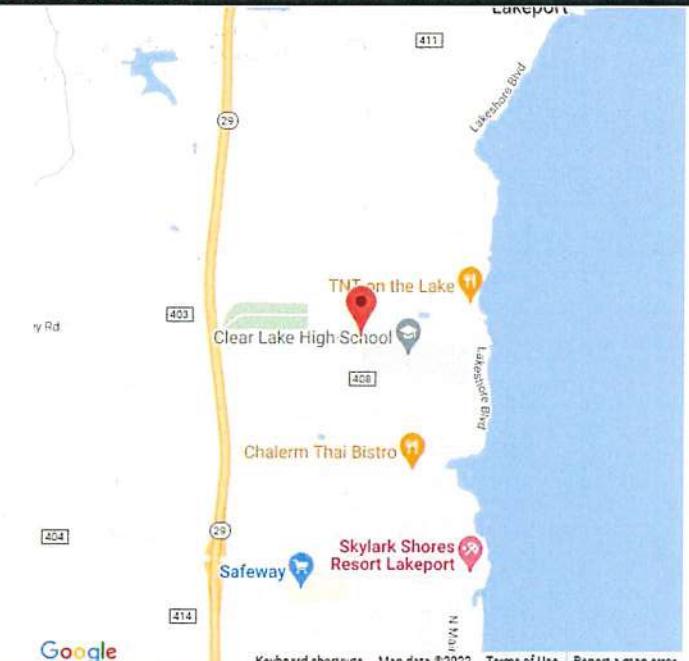


# SPEED DATA ANALYSIS

## Location



Latitude: 39.061736  
Longitude: -122.921549



## Analysis Time Period



Start  
5/26/2022  
11:30 AM

End  
6/3/2022  
11:05 AM

## Vehicles Analyzed



**3,581**

## Speed Limit



**30**

## Average Speed



**37**

## 85th Percentile Speed



**43**

## Enforcement Rating

**HIGH**

## 10 MPH Pace Speed



**33-42**

## Peak Time of Violations



5/27/2022  
1:30 PM

## Standard Deviation



**6.613**



Site Code: Hartley 325ft So of  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:  
 Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

5/26/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	*	*	0
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	*	*	0
5:00	*	*	0
6:00	*	*	0
7:00	*	*	0
8:00	*	*	0
9:00	*	*	0
10:00	*	*	0
11:00	9	14	23
12:00 PM	16	15	31
1:00	17	15	32
2:00	25	18	43
3:00	18	23	41
4:00	20	23	43
5:00	17	26	41
6:00	24	17	34
7:00	17	17	34
8:00	17	17	34
9:00	4	6	10
10:00	6	4	10
11:00	6	4	10
Total	196	199	395
Percent	49.6%	50.4%	
AM Peak	11:00	11:00	11:00
Volume	9	14	23
PM Peak	2:00	5:00	2:00
Volume	25	26	43

Site Code: Hartley 325ft So of

Comment 1:

Station ID:

Comment 2:

Location 1:

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

5/27/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	1	3	4
1:00	1	0	1
2:00	0	2	2
3:00	0	1	1
4:00	2	1	3
5:00	2	2	4
6:00	7	6	13
7:00	15	21	36
8:00	19	13	32
9:00	7	17	24
10:00	11	8	19
11:00	12	17	29
12:00 PM	22	20	42
1:00	30	17	47
2:00	20	21	41
3:00	21	20	41
4:00	25	24	49
5:00	30	19	49
6:00	13	15	28
7:00	13	24	37
8:00	12	9	21
9:00	13	14	27
10:00	8	7	15
11:00	2	4	6
Total	286	285	571
Percent	50.1%	49.9%	
AM Peak	8:00	7:00	7:00
Volume	19	21	36
PM Peak	1:00	4:00	4:00
Volume	30	24	49

Site Code: Hartley 325ft So of

Comment 1:

Station ID:

Comment 2:

Location 1:

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

5/28/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	1	2	3
1:00	2	2	4
2:00	2	0	2
3:00	0	0	0
4:00	0	0	0
5:00	2	2	4
6:00	3	7	10
7:00	6	13	19
8:00	12	11	23
9:00	10	9	19
10:00	11	15	26
11:00	18	15	33
12:00 PM	14	13	27
1:00	11	6	17
2:00	13	18	31
3:00	15	11	26
4:00	8	13	21
5:00	18	12	30
6:00	12	9	21
7:00	7	12	19
8:00	11	10	21
9:00	6	8	14
10:00	11	4	15
11:00	5	3	8
Total	198	195	393
Percent	50.4%	49.6%	
AM Peak	11:00	10:00	11:00
Volume	18	15	33
PM Peak	5:00	2:00	2:00
Volume	18	18	31

Site Code: Hartley 325ft So of  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:  
 Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

Time	A to B, None Specified	B to A, None Specified	Total
12:00 AM	6	0	6
1:00	0	0	0
2:00	1	1	2
3:00	0	0	0
4:00	0	0	0
5:00	1	1	2
6:00	2	1	3
7:00	5	4	9
8:00	5	6	11
9:00	11	5	16
10:00	18	11	29
11:00	12	15	27
12:00 PM	10	14	24
1:00	11	7	18
2:00	9	11	20
3:00	20	13	33
4:00	12	8	20
5:00	11	14	25
6:00	10	14	24
7:00	5	8	13
8:00	7	6	13
9:00	8	7	15
10:00	5	2	7
11:00	3	3	6
Total	172	151	323
Percent	53.3%	46.7%	
AM Peak	10:00	11:00	10:00
Volume	18	15	29
PM Peak	3:00	12:00 PM	3:00
Volume	20	14	33

Site Code: Hartley 325ft So of

Comment 1:

Station ID:

Comment 2:

Location 1:

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

5/30/2022	A to B, None Specified	B to A, None Specified	Total
12:00 AM	1	1	2
1:00	2	1	3
2:00	0	0	0
3:00	0	0	0
4:00	2	0	2
5:00	3	1	4
6:00	1	2	3
7:00	2	6	8
8:00	7	3	10
9:00	4	5	9
10:00	15	13	28
11:00	7	8	15
12:00 PM	20	16	36
1:00	13	11	24
2:00	20	8	28
3:00	15	20	35
4:00	10	19	29
5:00	14	11	25
6:00	15	12	27
7:00	15	10	25
8:00	12	13	25
9:00	3	6	9
10:00	5	5	10
11:00	0	1	1
Total	186	172	358
Percent	52.0%	48.0%	
AM Peak	10:00	10:00	10:00
Volume	15	13	28
PM Peak	12:00 PM	3:00	12:00 PM
Volume	20	20	36

Site Code: Hartley 325ft So of  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:

Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

5/31/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	0	0	0
1:00	1	2	3
2:00	0	1	1
3:00	0	1	1
4:00	0	5	5
5:00	2	0	2
6:00	6	4	10
7:00	15	19	34
8:00	10	12	22
9:00	12	21	33
10:00	13	14	27
11:00	15	18	33
12:00 PM	20	20	40
1:00	10	15	25
2:00	18	14	32
3:00	19	15	34
4:00	11	13	24
5:00	20	18	38
6:00	12	12	24
7:00	10	6	16
8:00	5	6	11
9:00	7	4	11
10:00	1	4	5
11:00	0	1	1
Total	207	225	432
Percent	47.9%	52.1%	
AM Peak	7:00	9:00	7:00
Volume	15	21	34
PM Peak	12:00 PM	12:00 PM	12:00 PM
Volume	20	20	40

Site Code: Hartley 325ft So of  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:

Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

6/1/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	3	0	3
1:00	0	0	0
2:00	0	2	2
3:00	0	2	2
4:00	0	1	1
5:00	1	2	3
6:00	6	8	14
7:00	15	13	28
8:00	13	18	31
9:00	9	15	24
10:00	10	7	17
11:00	18	21	39
12:00 PM	23	20	43
1:00	16	13	29
2:00	21	18	39
3:00	17	15	32
4:00	14	19	33
5:00	23	21	44
6:00	15	12	27
7:00	6	12	18
8:00	11	8	19
9:00	11	5	16
10:00	4	4	8
11:00	1	3	4
Total	237	239	476
Percent	49.8%	50.2%	
AM Peak	11:00	11:00	11:00
Volume	18	21	39
PM Peak	12:00 PM	5:00	5:00
Volume	23	21	44

Site Code: Hartley 325ft So of  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:  
 Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

6/2/2022	A to B, None Specified	B to A, None Specified	Total
12:00 AM	2	0	2
1:00	1	0	1
2:00	0	0	0
3:00	0	1	1
4:00	0	5	5
5:00	3	2	5
6:00	6	5	11
7:00	16	14	30
8:00	12	14	26
9:00	6	7	13
10:00	17	23	40
11:00	14	12	26
12:00 PM	17	13	30
1:00	12	16	28
2:00	16	17	33
3:00	24	16	40
4:00	18	27	45
5:00	28	21	49
6:00	14	17	31
7:00	8	16	24
8:00	12	6	18
9:00	11	5	16
10:00	7	8	15
11:00	3	1	4
Total	247	246	493
Percent	50.1%	49.9%	
AM Peak	10:00	10:00	10:00
Volume	17	23	40
PM Peak	5:00	4:00	5:00
Volume	28	27	49

Site Code: Hartley 325ft So of

Comment 1:

Station ID:

Comment 2:

Location 1:

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

6/3/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	1	0	1
1:00	1	1	2
2:00	0	0	0
3:00	1	2	3
4:00	0	3	3
5:00	2	1	3
6:00	7	6	3
7:00	12	14	13
8:00	11	14	26
9:00	19	12	25
10:00	12	20	31
11:00	0	2	32
12:00 PM	*	*	2
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	*	*	0
5:00	*	*	0
6:00	*	*	0
7:00	*	*	0
8:00	*	*	0
9:00	*	*	0
10:00	*	*	0
11:00	*	*	0
Total	66	75	141
Percent	46.8%	53.2%	
AM Peak	9:00	10:00	10:00
Volume	19	20	32
PM Peak			
Volume			
Grand Total	1795	1787	3582
Percent	50.1%	49.9%	
ADT	ADT: 445	AADT: 445	



## **Appendix B**

- **Site 9**



# SPEED DATA ANALYSIS

## Location



Latitude: 0.000000  
Longitude: 0.000000

## Analysis Time Period



Start  
10/19/2022  
11:24 AM

End  
10/26/2022  
9:08 AM

## Vehicles Analyzed



**45,320**

## Speed Limit



**35**

## Average Speed



**33**

## 85th Percentile Speed



**37**

## 10 MPH Pace Speed



**28-37**

## Peak Time of Violations



**10/21/2022  
2:24 PM**

## Standard Deviation



**5.256**

## Enforcement Rating

**HIGH**



Site Code: High St CL Av-20th  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:

Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

10/19/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	*	*	0
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	*	*	0
5:00	*	*	0
6:00	*	*	0
7:00	*	*	0
8:00	*	*	0
9:00	*	*	0
10:00	*	*	0
11:00	159	158	317
12:00 PM	333	278	611
1:00	315	361	676
2:00	328	304	632
3:00	299	253	552
4:00	294	249	543
5:00	333	267	600
6:00	238	157	395
7:00	167	154	321
8:00	85	66	151
9:00	43	36	79
10:00	30	23	53
11:00	17	16	33
Total	2641	2322	4963
Percent	53.2%	46.8%	
AM Peak	11:00	11:00	11:00
Volume	159	158	317
PM Peak	12:00 PM	1:00	1:00
Volume	333	361	676

Site Code: High St CL Av-20th

Comment 1:

Comment 2:

Comment 3:

Comment 4:

Station ID:

Location 1:

Location 2:

Location 3:

Location 4:

Latitude: 0.000000

Longitude: 0.000000

10/20/2022	A to B, None Specified	B to A, None Specified	Total
12:00 AM	12	7	19
1:00	9	2	11
2:00	1	4	5
3:00	6	11	17
4:00	5	11	16
5:00	16	25	41
6:00	31	88	119
7:00	287	234	521
8:00	245	375	620
9:00	162	213	375
10:00	224	214	438
11:00	244	239	483
12:00 PM	289	297	586
1:00	294	238	532
2:00	334	341	675
3:00	325	330	655
4:00	323	235	558
5:00	321	207	528
6:00	256	161	417
7:00	138	285	423
8:00	193	101	294
9:00	85	80	165
10:00	32	26	58
11:00	31	17	48
Total	3863	3741	7604
Percent	50.8%	49.2%	
AM Peak	7:00	8:00	8:00
Volume	287	375	620
PM Peak	2:00	2:00	2:00
Volume	334	341	675

Site Code: High St CL Av-20th Comment 1:  
 Station ID: Comment 2:  
 Location 1: Comment 3:  
 Location 2: Comment 4:  
 Location 3:  
 Location 4: Latitude: 0.000000  
 Longitude: 0.000000

10/21/2022	A to B, None Time Specified	B to A, None Specified	Total
12:00 AM	15	6	21
1:00	8	7	15
2:00	2	3	5
3:00	8	8	16
4:00	2	15	17
5:00	15	25	40
6:00	35	77	112
7:00	268	220	488
8:00	250	376	626
9:00	159	192	351
10:00	235	221	456
11:00	235	237	472
12:00 PM	280	269	549
1:00	312	240	552
2:00	338	374	712
3:00	346	320	666
4:00	315	236	551
5:00	373	211	584
6:00	283	188	471
7:00	188	125	313
8:00	114	86	200
9:00	71	86	157
10:00	71	170	241
11:00	38	34	72
Total	3961	3726	7687
Percent	51.5%	48.5%	
AM Peak	7:00	8:00	8:00
Volume	268	376	626
PM Peak	5:00	2:00	2:00
Volume	373	374	712

Site Code: High St CL Av-20th

Comment 1:

Station ID:

Comment 2:

Location 1:

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

10/22/2022	A to B, None Specified	B to A, None Specified	Total
12:00 AM	28	21	49
1:00	20	5	25
2:00	8	10	18
3:00	9	9	18
4:00	3	13	16
5:00	6	10	16
6:00	15	27	42
7:00	21	67	88
8:00	82	129	211
9:00	139	166	305
10:00	218	238	456
11:00	258	246	504
12:00 PM	276	198	474
1:00	284	222	506
2:00	251	222	473
3:00	293	179	472
4:00	285	206	491
5:00	222	222	444
6:00	220	174	394
7:00	211	217	428
8:00	135	201	336
9:00	86	128	214
10:00	100	70	170
11:00	62	61	123
Total	3232	3041	6273
Percent	51.5%	48.5%	
AM Peak	11:00	11:00	11:00
Volume	258	246	504
PM Peak	3:00	1:00	1:00
Volume	293	222	506

Site Code: High St CL Av-20th Comment 1:  
 Station ID: Comment 2:  
 Location 1: Comment 3:  
 Location 2: Comment 4:  
 Location 3:  
Location 4: Latitude: 0.000000  
 Longitude: 0.000000

10/23/2022	A to B, None Specified	B to A, None Specified	
Time	Total		
12:00 AM	26	13	39
1:00	16	10	26
2:00	11	4	15
3:00	5	4	9
4:00	3	8	11
5:00	5	12	17
6:00	9	19	28
7:00	23	36	59
8:00	47	84	131
9:00	76	119	195
10:00	128	157	285
11:00	166	171	337
12:00 PM	189	175	364
1:00	169	164	333
2:00	147	117	264
3:00	167	139	306
4:00	165	128	293
5:00	152	128	280
6:00	122	100	222
7:00	103	68	171
8:00	54	46	100
9:00	24	21	45
10:00	36	24	60
11:00	19	11	30
Total	1862	1758	3620
Percent	51.4%	48.6%	
AM Peak	11:00	11:00	11:00
Volume	166	171	337
PM Peak	12:00 PM	12:00 PM	12:00 PM
Volume	189	175	364

Site Code: High St CL Av-20th  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:  
 Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

10/24/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	8	2	10
1:00	4	5	9
2:00	3	4	7
3:00	4	11	15
4:00	6	11	17
5:00	17	27	44
6:00	20	69	89
7:00	250	227	477
8:00	250	364	614
9:00	150	166	316
10:00	155	175	330
11:00	198	231	429
12:00 PM	267	234	501
1:00	260	233	493
2:00	321	325	646
3:00	340	301	641
4:00	303	225	528
5:00	300	250	550
6:00	177	144	321
7:00	113	89	202
8:00	63	54	117
9:00	47	31	78
10:00	32	12	44
11:00	14	16	30
Total	3302	3206	6508
Percent	50.7%	49.3%	
AM Peak	7:00	8:00	8:00
Volume	250	364	614
PM Peak	3:00	2:00	2:00
Volume	340	325	646

Site Code: High St CL Av-20th Comment 1:  
 Station ID: Comment 2:  
 Location 1: Comment 3:  
 Location 2: Comment 4:  
 Location 3:  
 Location 4: Latitude: 0.000000  
 Longitude: 0.000000

10/25/2022	A to B, None Specified	B to A, None Specified	
Time			Total
12:00 AM	12	3	15
1:00	7	7	14
2:00	5	5	10
3:00	4	6	10
4:00	7	16	23
5:00	16	28	44
6:00	30	91	121
7:00	263	230	493
8:00	261	372	633
9:00	164	185	349
10:00	184	167	351
11:00	224	266	490
12:00 PM	309	283	592
1:00	316	283	599
2:00	320	338	658
3:00	336	311	647
4:00	313	227	540
5:00	366	264	630
6:00	233	155	388
7:00	129	128	257
8:00	100	137	237
9:00	52	42	94
10:00	31	19	50
11:00	23	11	34
Total	3705	3574	7279
Percent	50.9%	49.1%	
AM Peak	7:00	8:00	8:00
Volume	263	372	633
PM Peak	5:00	2:00	2:00
Volume	366	338	658

Site Code: High St CL Av-20th  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:

Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

10/26/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	13	4	17
1:00	10	4	14
2:00	5	2	7
3:00	2	8	10
4:00	6	18	24
5:00	14	21	35
6:00	34	63	97
7:00	265	247	512
8:00	250	372	622
9:00	26	28	54
10:00	*	*	0
11:00	*	*	0
12:00 PM	*	*	0
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	*	*	0
5:00	*	*	0
6:00	*	*	0
7:00	*	*	0
8:00	*	*	0
9:00	*	*	0
10:00	*	*	0
11:00	*	*	0
Total	625	767	1392
Percent	44.9%	55.1%	
AM Peak	7:00	8:00	8:00
Volume	265	372	622
PM Peak			
Volume			
Grand Total	23191	22135	45326
Percent	51.2%	48.8%	
ADT	ADT: 6,530	AADT: 6,530	

## **Appendix B**

- **Site 10**



# SPEED DATA ANALYSIS

## Location



Parallel to Main Street  
Latitude: 0.000000  
Longitude: 0.000000

## Analysis Time Period



Start  
7/8/2023  
8:12 AM

End  
7/13/2023  
11:09 AM

## Vehicles Analyzed



**37,212**

## Speed Limit



**35**

## Average Speed



**34**

## 85th Percentile Speed



**39**

## 10 MPH Pace Speed



**29-38**

## Peak Time of Violations



**7/12/2023  
5:12 PM**

## Standard Deviation



**6.299**

## Enforcement Rating

**HIGH**



Site Code: 10 Lakeport Blvd

Comment 1: Location 545 ft. W of

Forbes Street

Comment 2:

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

Station ID: Site 10

Location 1: Parallel to Main Street

Location 2:

Location 3:

Location 4:

7/8/2023	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	*	*	0
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	*	*	0
5:00	*	*	0
6:00	*	*	0
7:00	*	*	0
8:00	116	95	211
9:00	202	157	359
10:00	229	232	461
11:00	243	238	481
12:00 PM	265	278	543
1:00	241	268	509
2:00	201	225	426
3:00	160	210	370
4:00	186	193	379
5:00	178	170	348
6:00	163	155	318
7:00	108	130	238
8:00	92	122	214
9:00	66	111	177
10:00	62	117	179
11:00	60	59	119
Total	2572	2760	5332
Percent	48.2%	51.8%	
AM Peak	11:00	11:00	11:00
Volume	243	238	481
PM Peak	12:00 PM	12:00 PM	12:00 PM
Volume	265	278	543

Site Code: 10 Lakeport Blvd

Station ID: Site 10

Location 1: Parallel to Main Street

Location 2:

Location 3:

Location 4:

Comment 1: Location 545 ft. W of

Forbes Street

Comment 2:

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

7/9/2023	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	21	27	48
1:00	13	16	29
2:00	10	11	21
3:00	4	3	7
4:00	5	5	10
5:00	9	8	17
6:00	30	16	46
7:00	39	32	71
8:00	91	81	172
9:00	130	124	254
10:00	181	166	347
11:00	199	199	398
12:00 PM	215	239	454
1:00	195	215	410
2:00	182	187	369
3:00	158	179	337
4:00	153	200	353
5:00	169	161	330
6:00	147	174	321
7:00	114	148	262
8:00	81	100	181
9:00	67	69	136
10:00	27	42	69
11:00	18	22	40
Total	2258	2424	4682
Percent	48.2%	51.8%	
AM Peak	11:00	11:00	11:00
Volume	199	199	398
PM Peak	12:00 PM	12:00 PM	12:00 PM
Volume	215	239	454

Site Code: 10 Lakeport Blvd

Comment 1: Location 545 ft. W of

Forbes Street

Comment 2:

Comment 3:

Comment 4:

Station ID: Site 10

Location 1: Parallel to Main Street

Location 2:

Location 3:

Location 4:

Latitude: 0.000000

Longitude: 0.000000

7/10/2023	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	13	11	24
1:00	18	5	23
2:00	9	8	17
3:00	7	7	14
4:00	21	12	33
5:00	20	39	59
6:00	82	59	141
7:00	185	128	313
8:00	219	158	377
9:00	282	220	502
10:00	320	288	608
11:00	352	377	729
12:00 PM	388	416	804
1:00	367	388	755
2:00	349	335	684
3:00	321	361	682
4:00	319	352	671
5:00	265	348	613
6:00	183	227	410
7:00	154	164	318
8:00	120	135	255
9:00	85	87	172
10:00	22	35	57
11:00	30	15	45
Total	4131	4175	8306
Percent	49.7%	50.3%	
AM Peak	11:00	11:00	11:00
Volume	352	377	729
PM Peak	12:00 PM	12:00 PM	12:00 PM
Volume	388	416	804

Site Code: 10 Lakeport Blvd

Comment 1: Location 545 ft. W of

Forbes Street

Comment 2:

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

7/11/2023	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	12	8	20
1:00	6	7	13
2:00	8	8	16
3:00	9	8	17
4:00	15	15	30
5:00	24	38	62
6:00	80	56	136
7:00	195	116	311
8:00	233	165	398
9:00	284	211	495
10:00	302	309	611
11:00	367	340	707
12:00 PM	418	431	849
1:00	369	377	746
2:00	354	373	727
3:00	311	356	667
4:00	303	354	657
5:00	290	368	658
6:00	164	243	407
7:00	141	162	303
8:00	136	131	267
9:00	76	90	166
10:00	40	52	92
11:00	20	18	38
Total	4157	4236	8393
Percent	49.5%	50.5%	
AM Peak	11:00	11:00	11:00
Volume	367	340	707
PM Peak	12:00 PM	12:00 PM	12:00 PM
Volume	418	431	849

Site Code: 10 Lakeport Blvd

Comment 1: Location 545 ft. W of

Forbes Street

Comment 2:

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

Station ID: Site 10

Location 1: Parallel to Main Street

Location 2:

Location 3:

Location 4:

7/12/2023	A to B, None Specified	B to A, None Specified	Total
12:00 AM	13	13	26
1:00	5	5	10
2:00	12	11	23
3:00	10	8	18
4:00	18	13	31
5:00	40	38	78
6:00	85	69	154
7:00	178	137	315
8:00	256	190	446
9:00	279	252	531
10:00	310	266	576
11:00	349	378	727
12:00 PM	379	400	779
1:00	353	331	684
2:00	346	337	683
3:00	313	372	685
4:00	283	334	617
5:00	276	343	619
6:00	166	224	390
7:00	132	184	316
8:00	121	129	250
9:00	80	85	165
10:00	37	47	84
11:00	36	27	63
Total	4077	4193	8270
Percent	49.3%	50.7%	
AM Peak	11:00	11:00	11:00
Volume	349	378	727
PM Peak	12:00 PM	12:00 PM	12:00 PM
Volume	379	400	779

Site Code: 10 Lakeport Blvd

Comment 1: Location 545 ft. W of

Forbes Street

Comment 2:

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

Station ID: Site 10  
 Location 1: Parallel to Main Street  
 Location 2:  
 Location 3:  
 Location 4:

7/13/2023	A to B, None Time Specified	B to A, None Specified	Total
12:00 AM	21	13	34
1:00	10	6	16
2:00	8	11	19
3:00	5	9	14
4:00	15	12	27
5:00	29	32	61
6:00	90	58	148
7:00	185	124	309
8:00	253	172	425
9:00	266	229	495
10:00	296	284	580
11:00	50	52	102
12:00 PM	*	*	0
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	*	*	0
5:00	*	*	0
6:00	*	*	0
7:00	*	*	0
8:00	*	*	0
9:00	*	*	0
10:00	*	*	0
11:00	*	*	0
Total	1228	1002	2230
Percent	55.1%	44.9%	
AM Peak	10:00	10:00	10:00
Volume	296	284	580
PM Peak			
Volume			
Grand Total	18423	18790	37213
Percent	49.5%	50.5%	
ADT	ADT: 7,076	AADT: 7,076	

## **Appendix B**

- **Site 11**



# SPEED DATA ANALYSIS

## Location



High Street to Lange  
Latitude: 0.000000  
Longitude: 0.000000

## Analysis Time Period



Start  
6/14/2023  
9:00 AM

End  
6/20/2023  
11:52 AM

## Vehicles Analyzed



**25,459**

## Speed Limit



**35**

## Average Speed



**33**

## 85th Percentile Speed



**37**

## 10 MPH Pace Speed



**29-38**

## Peak Time of Violations



**6/14/2023  
4:00 PM**

## Standard Deviation



**4.674**

## Enforcement Rating

**HIGH**



Site Code: 11 Lakeshore Blvd  
 Station ID: Site 11  
 Location 1: High Street to Lange  
 Location 2:  
 Location 3:  
 Location 4:

Comment 1: North of Sayre  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

6/14/2023	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	*	*	0
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	*	*	0
5:00	*	*	0
6:00	*	*	0
7:00	*	*	0
8:00	*	*	0
9:00	117	143	260
10:00	132	170	302
11:00	154	169	323
12:00 PM	165	180	345
1:00	141	139	280
2:00	177	148	325
3:00	187	134	321
4:00	194	158	352
5:00	217	155	372
6:00	158	125	283
7:00	126	91	217
8:00	98	95	193
9:00	68	52	120
10:00	44	39	83
11:00	18	14	32
Total	1996	1812	3808
Percent	52.4%	47.6%	
AM Peak	11:00	10:00	11:00
Volume	154	170	323
PM Peak	5:00	12:00 PM	5:00
Volume	217	180	372

Site Code: 11 Lakeshore Blvd  
 Station ID: Site 11  
 Location 1: High Street to Lange  
 Location 2:  
 Location 3:  
 Location 4:

Comment 1: North of Sayre  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

6/15/2023	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	16	12	28
1:00	4	8	12
2:00	6	4	10
3:00	3	7	10
4:00	1	11	12
5:00	9	36	45
6:00	37	62	99
7:00	67	137	204
8:00	85	123	208
9:00	110	190	300
10:00	139	159	298
11:00	158	149	307
12:00 PM	167	185	352
1:00	176	153	329
2:00	174	169	343
3:00	203	152	355
4:00	169	181	350
5:00	205	123	328
6:00	143	115	258
7:00	128	88	216
8:00	100	80	180
9:00	82	52	134
10:00	34	42	76
11:00	24	17	41
Total	2240	2255	4495
Percent	49.8%	50.2%	
AM Peak	11:00	9:00	11:00
Volume	158	190	307
PM Peak	5:00	12:00 PM	3:00
Volume	205	185	355

Site Code: 11 Lakeshore Blvd  
 Station ID: Site 11  
 Location 1: High Street to Lange  
 Location 2:  
 Location 3:  
 Location 4:

Comment 1: North of Sayre  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

6/16/2023	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	14	9	23
1:00	12	6	18
2:00	10	7	17
3:00	2	6	8
4:00	2	12	14
5:00	11	35	46
6:00	31	59	90
7:00	66	120	186
8:00	81	126	207
9:00	109	160	269
10:00	132	150	282
11:00	169	186	355
12:00 PM	166	144	310
1:00	157	181	338
2:00	193	171	364
3:00	202	152	354
4:00	193	168	361
5:00	191	163	354
6:00	136	152	288
7:00	109	123	232
8:00	149	70	219
9:00	112	72	184
10:00	60	38	98
11:00	32	22	54
Total	2339	2332	4671
Percent	50.1%	49.9%	
AM Peak	11:00	11:00	11:00
Volume	169	186	355
PM Peak	3:00	1:00	2:00
Volume	202	181	364

Site Code: 11 Lakeshore Blvd  
 Station ID: Site 11  
 Location 1: High Street to Lange  
 Location 2:  
 Location 3:  
 Location 4:

Comment 1: North of Sayre  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

6/17/2023	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	22	23	45
1:00	9	7	16
2:00	10	8	18
3:00	5	5	10
4:00	2	11	13
5:00	3	21	24
6:00	24	38	62
7:00	41	55	96
8:00	60	106	166
9:00	105	152	257
10:00	148	160	308
11:00	180	168	348
12:00 PM	172	154	326
1:00	156	154	310
2:00	149	125	274
3:00	142	131	273
4:00	146	134	280
5:00	146	138	284
6:00	132	126	258
7:00	105	110	215
8:00	89	86	175
9:00	91	74	165
10:00	59	36	95
11:00	37	11	48
Total	2033	2033	4066
Percent	50.0%	50.0%	
AM Peak	11:00	11:00	11:00
Volume	180	168	348
PM Peak	12:00 PM	12:00 PM	12:00 PM
Volume	172	154	326

Site Code: 11 Lakeshore Blvd  
 Station ID: Site 11  
 Location 1: High Street to Lange  
 Location 2:  
 Location 3:  
 Location 4:

Comment 1: North of Sayre  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

6/18/2023	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	17	13	30
1:00	11	7	18
2:00	12	10	22
3:00	3	2	5
4:00	4	6	10
5:00	1	14	15
6:00	14	12	26
7:00	37	48	85
8:00	38	88	126
9:00	75	108	183
10:00	103	161	264
11:00	126	138	264
12:00 PM	158	133	291
1:00	134	101	235
2:00	124	105	229
3:00	113	96	209
4:00	111	109	220
5:00	101	105	206
6:00	115	80	195
7:00	79	75	154
8:00	87	61	148
9:00	80	49	129
10:00	31	27	58
11:00	15	20	35
Total	1589	1568	3157
Percent	50.3%	49.7%	
AM Peak Volume	11:00	10:00	10:00
PM Peak Volume	12:00 PM	12:00 PM	12:00 PM

Site Code: 11 Lakeshore Blvd  
 Station ID: Site 11  
 Location 1: High Street to Lange  
 Location 2:  
 Location 3:  
 Location 4:

Comment 1: North of Sayre  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

6/19/2023	A to B, None Specified	B to A, None Specified	Total
12:00 AM	15	4	19
1:00	2	4	6
2:00	1	1	2
3:00	2	7	9
4:00	4	11	15
5:00	7	31	38
6:00	33	57	90
7:00	48	96	144
8:00	76	100	176
9:00	108	118	226
10:00	112	150	262
11:00	121	128	249
12:00 PM	149	183	332
1:00	171	143	314
2:00	158	134	292
3:00	161	140	301
4:00	158	134	292
5:00	160	109	269
6:00	128	82	210
7:00	95	96	191
8:00	76	59	135
9:00	46	50	96
10:00	25	20	45
11:00	18	20	38
Total	1874	1877	3751
Percent	50.0%	50.0%	
AM Peak	11:00	10:00	10:00
Volume	121	150	262
PM Peak	1:00	12:00 PM	12:00 PM
Volume	171	183	332

Site Code: 11 Lakeshore Blvd  
 Station ID: Site 11  
 Location 1: High Street to Lange  
 Location 2:  
 Location 3:  
 Location 4:

Comment 1: North of Sayre  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

6/20/2023	A to B, None Specified	B to A, None Specified	Total
12:00 AM	14	6	20
1:00	5	4	9
2:00	5	3	8
3:00	1	7	8
4:00	3	11	14
5:00	12	39	51
6:00	40	59	99
7:00	71	120	191
8:00	96	164	260
9:00	127	134	261
10:00	128	173	301
11:00	138	151	289
12:00 PM	*	*	0
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	*	*	0
5:00	*	*	0
6:00	*	*	0
7:00	*	*	0
8:00	*	*	0
9:00	*	*	0
10:00	*	*	0
11:00	*	*	0
Total	640	871	1511
Percent	42.4%	57.6%	
AM Peak	11:00	10:00	10:00
Volume	138	173	301
PM Peak			
Volume			
Grand Total	12711	12748	25459
Percent	49.9%	50.1%	
ADT	ADT: 4,102		AADT: 4,102



## **Appendix B**

- **Site 12**



### Lakeport Spot Speeds - 2023

Street: Lakeshore — Alyeska Schools Complex Date: 8/9/23 9:15 am - 10:02

Study #	12	Speed	Total
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			
19			
18			
17			
16			
15	17	14	11
		8	6
		6	4
		3	3
		3	3
		2	2
			100

85th  $\theta = 39$   
Pace - 32-41

1970-1971  
1971-1972

1972-1973  
1973-1974

1974-1975  
1975-1976

Site Code: 12 Lakeshore Blvd.  
Station ID: Site Code 12

Comment 1: Lange-Beach  
Comment 2: Represents Lange - city  
limits

Location 1:

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

6/14/2023	A to B, None Time Specified	B to A, None Specified	Total
12:00 AM	*	*	0
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	*	*	0
5:00	*	*	0
6:00	*	*	0
7:00	*	*	0
8:00	*	*	0
9:00	*	*	0
10:00	84	97	181
11:00	139	152	291
12:00 PM	141	151	292
1:00	127	121	248
2:00	143	121	264
3:00	152	114	266
4:00	163	143	306
5:00	173	134	307
6:00	134	117	251
7:00	105	83	188
8:00	92	93	185
9:00	58	46	104
10:00	44	38	82
11:00	20	15	35
Total	1575	1425	3000
Percent	52.5%	47.5%	
AM Peak	11:00	11:00	11:00
Volume	139	152	291
PM Peak	5:00	12:00 PM	5:00
Volume	173	151	307

Site Code: 12 Lakeshore Blvd.  
Station ID: Site Code 12

Comment 1: Lange-Beach  
Comment 2: Represents Lange - city  
limits

Location 1:

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

6/15/2023	A to B, None Specified	B to A, None Specified	Thursday	Total
12:00 AM	16	12		28
1:00	4	9		13
2:00	6	4		10
3:00	3	8		11
4:00	1	11		12
5:00	12	35		47
6:00	37	56		93
7:00	60	128		188
8:00	83	114		197
9:00	92	161		253
10:00	115	129		244
11:00	148	126		274
12:00 PM	145	156		301
1:00	157	126		283
2:00	147	151		298
3:00	172	142		314
4:00	150	151		301
5:00	180	118		298
6:00	131	115		246
7:00	113	85		198
8:00	99	71		170
9:00	73	52		125
10:00	35	40		75
11:00	21	16		37
Total	2000	2016		4016
Percent	49.8%	50.2%		
AM Peak	11:00	9:00		11:00
Volume	148	161		274
PM Peak	5:00	12:00 PM		3:00
Volume	180	156		314

Site Code: 12 Lakeshore Blvd.  
Station ID: Site Code 12

Comment 1: Lange-Beach  
Comment 2: Represents Lange - city  
limits

Location 1:

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

6/16/2023	A to B, None Time Specified	B to A, None Specified	<i>Friday</i>	Total
12:00 AM	17	10		27
1:00	12	7		19
2:00	10	7		17
3:00	2	6		8
4:00	2	11		13
5:00	13	37		50
6:00	29	52		81
7:00	67	114		181
8:00	74	110		184
9:00	101	141		242
10:00	115	126		241
11:00	147	147		294
12:00 PM	139	125		264
1:00	142	150		292
2:00	152	139		291
3:00	161	131		292
4:00	159	142		301
5:00	161	143		304
6:00	122	140		262
7:00	96	112		208
8:00	126	72		198
9:00	94	63		157
10:00	55	37		92
11:00	33	22		55
Total	2029	2044		4073
Percent	49.8%	50.2%		
AM Peak	11:00	11:00		11:00
Volume	147	147		294
PM Peak	3:00	1:00		5:00
Volume	161	150		304

Site Code: 12 Lakeshore Blvd.  
Station ID: Site Code 12

Comment 1: Lange-Beach  
Comment 2: Represents Lange - city  
limits

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

Location 1:	Comment 1: Lange-Beach		
Location 2:	Comment 2: Represents Lange - city		
Location 3:	limits		
Location 4:	Comment 4:		
6/17/2023	A to B, None	B to A, None	
Time	Specified	Specified	Total
12:00 AM	18	25	43
1:00	10	7	17
2:00	8	9	17
3:00	3	5	8
4:00	4	11	15
5:00	4	21	25
6:00	24	38	62
7:00	40	54	94
8:00	59	95	154
9:00	95	143	238
10:00	123	145	268
11:00	149	144	293
12:00 PM	141	134	275
1:00	135	136	271
2:00	130	110	240
3:00	120	111	231
4:00	130	122	252
5:00	138	122	260
6:00	111	113	224
7:00	100	107	207
8:00	78	80	158
9:00	87	74	161
10:00	54	37	91
11:00	40	12	52
Total	1801	1855	3656
Percent	49.3%	50.7%	
AM Peak	11:00	10:00	11:00
Volume	149	145	293
PM Peak	12:00 PM	1:00	12:00 PM
Volume	141	136	275

Site Code: 12 Lakeshore Blvd.  
Station ID: Site Code 12

Comment 1: Lange-Beach  
Comment 2: Represents Lange - city  
limits

Location 1:

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

6/18/2023	A to B, None Specified	B to A, None Specified	Total
12:00 AM	15	14	29
1:00	12	9	21
2:00	11	11	22
3:00	4	2	6
4:00	5	6	11
5:00	1	14	15
6:00	13	14	27
7:00	35	47	82
8:00	39	81	120
9:00	72	93	165
10:00	103	140	243
11:00	113	127	240
12:00 PM	132	116	248
1:00	121	83	204
2:00	118	93	211
3:00	102	84	186
4:00	94	100	194
5:00	97	99	196
6:00	104	80	184
7:00	75	69	144
8:00	73	60	133
9:00	70	46	116
10:00	31	27	58
11:00	15	20	35
Total	1455	1435	2890
Percent	50.3%	49.7%	
AM Peak	11:00	10:00	10:00
Volume	113	140	243
PM Peak	12:00 PM	12:00 PM	12:00 PM
Volume	132	116	248

Site Code: 12 Lakeshore Blvd.  
Station ID: Site Code 12

Comment 1: Lange-Beach  
Comment 2: Represents Lange - city  
limits  
Comment 3:  
Comment 4:  
Latitude: 0.000000  
Longitude: 0.000000

Location 1:  
Location 2:  
Location 3:  
Location 4:

Time	A to B, None Specified	B to A, None Specified	Monday	Total
12:00 AM	16	5		21
1:00	2	5		7
2:00	2	1		3
3:00	2	8		10
4:00	3	10		13
5:00	7	27		34
6:00	33	52		85
7:00	49	82		131
8:00	72	91		163
9:00	99	109		208
10:00	95	136		231
11:00	110	110		220
12:00 PM	135	150		285
1:00	139	120		259
2:00	136	126		262
3:00	139	127		266
4:00	129	123		252
5:00	134	99		233
6:00	110	79		189
7:00	79	93		172
8:00	76	61		137
9:00	43	50		93
10:00	24	20		44
11:00	17	19		36
Total	1651	1703		3354
Percent	49.2%	50.8%		
AM Peak	11:00	10:00		10:00
Volume	110	136		231
PM Peak	1:00	12:00 PM		12:00 PM
Volume	139	150		285

Site Code: 12 Lakeshore Blvd.  
Station ID: Site Code 12

Comment 1: Lange-Beach  
Comment 2: Represents Lange - city  
limits

Location 1:

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

6/20/2023	A to B, None Specified	B to A, None Specified	Total
12:00 AM	14	6	20
1:00	5	4	9
2:00	6	3	9
3:00	1	7	8
4:00	3	11	14
5:00	10	38	48
6:00	39	53	92
7:00	67	118	185
8:00	97	148	245
9:00	110	115	225
10:00	110	153	263
11:00	141	158	299
12:00 PM	47	37	84
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	*	*	0
5:00	*	*	0
6:00	*	*	0
7:00	*	*	0
8:00	*	*	0
9:00	*	*	0
10:00	*	*	0
11:00	*	*	0
Total	650	851	1501
Percent	43.3%	56.7%	
AM Peak	11:00	11:00	11:00
Volume	141	158	299
PM Peak	12:00 PM	12:00 PM	12:00 PM
Volume	47	37	84
Grand Total	11161	11329	22490
Percent	49.6%	50.4%	
ADT	ADT: 3,621	AADT: 3,621	



## **Appendix B**

- **Site 13**



## SPEED DATA ANALYSIS

### Location



Latitude: 39.059246  
Longitude: -122.915054

### Analysis Time Period



Start  
10/5/2022  
12:02 PM

End  
10/19/2022  
1:00 PM

### Vehicles Analyzed



5,244

### Speed Limit



35

### Average Speed



19

### 85th Percentile Speed



24

### 10 MPH Pace Speed



15-24

### Peak Time of Violations



10/5/2022  
6:02 PM

### Standard Deviation



4.669

### Enforcement Rating

LOW



Site Code: 13 Lange St Lkshr -

Comment 1:

Station ID:

Comment 2:

Location 1:

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

10/5/2022	A to B, None Specified	B to A, None Specified	Total
12:00 AM	*	*	0
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	*	*	0
5:00	*	*	0
6:00	*	*	0
7:00	*	*	0
8:00	*	*	0
9:00	*	*	0
10:00	*	*	0
11:00	*	*	0
12:00 PM	23	28	51
1:00	71	56	127
2:00	22	17	39
3:00	25	19	44
4:00	31	29	60
5:00	23	22	45
6:00	9	22	31
7:00	28	17	45
8:00	5	3	8
9:00	5	1	6
10:00	0	0	0
11:00	1	0	1
Total	243	214	457
Percent	53.2%	46.8%	
AM Peak Volume			
PM Peak Volume	1:00 71	1:00 56	1:00 127

Site Code: 13 Lange St Lkshr -

Comment 1:

Station ID:

Comment 2:

Location 1:

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

10/6/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	0	1	1
1:00	0	1	1
2:00	0	1	1
3:00	1	0	1
4:00	0	0	0
5:00	4	2	6
6:00	3	5	8
7:00	26	74	100
8:00	59	63	122
9:00	14	9	23
10:00	10	17	27
11:00	30	17	47
12:00 PM	21	14	35
1:00	10	32	42
2:00	65	56	121
3:00	37	23	60
4:00	16	29	45
5:00	22	20	42
6:00	11	16	27
7:00	22	7	29
8:00	5	10	15
9:00	3	4	7
10:00	0	0	0
11:00	0	0	0
Total	359	401	760
Percent	47.2%	52.8%	
AM Peak	8:00	7:00	8:00
Volume	59	74	122
PM Peak	2:00	2:00	2:00
Volume	65	56	121

Site Code: 13 Lange St Lkshr - Comment 1:  
 Station ID: Comment 2:  
 Location 1: Comment 3:  
 Location 2: Comment 4:  
 Location 3:  
 Location 4: Latitude: 0.000000  
 Longitude: 0.000000

10/7/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	0	0	0
1:00	0	1	1
2:00	0	1	1
3:00	1	0	1
4:00	0	0	0
5:00	3	1	4
6:00	5	12	17
7:00	21	76	97
8:00	60	64	124
9:00	17	7	24
10:00	14	17	31
11:00	27	23	50
12:00 PM	23	15	38
1:00	24	39	63
2:00	64	50	114
3:00	39	23	62
4:00	15	11	26
5:00	15	15	30
6:00	6	8	14
7:00	7	10	17
8:00	5	9	14
9:00	4	5	9
10:00	1	3	4
11:00	2	3	5
Total	353	393	746
Percent	47.3%	52.7%	
AM Peak	8:00	7:00	8:00
Volume	60	76	124
PM Peak	2:00	2:00	2:00
Volume	64	50	114

Site Code: 13 Lange St Lkshr - Comment 1:  
 Station ID: Comment 2:  
 Location 1: Comment 3:  
 Location 2: Comment 4:  
 Location 3:  
 Location 4: Latitude: 0.000000  
 Longitude: 0.000000

10/8/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	2	2	4
1:00	0	1	1
2:00	1	0	1
3:00	0	1	1
4:00	0	0	0
5:00	1	0	1
6:00	1	0	1
7:00	2	2	4
8:00	3	4	7
9:00	5	6	11
10:00	18	6	24
11:00	17	8	25
12:00 PM	10	6	16
1:00	8	10	18
2:00	10	14	24
3:00	5	9	14
4:00	7	12	19
5:00	6	9	15
6:00	10	13	23
7:00	11	5	16
8:00	6	9	15
9:00	5	5	10
10:00	5	0	5
11:00	0	1	1
Total	133	123	256
Percent	52.0%	48.0%	
AM Peak	10:00	11:00	11:00
Volume	18	8	25
PM Peak	7:00	2:00	2:00
Volume	11	14	24

Site Code: 13 Lange St Lkshr -

Comment 1:

Station ID:

Comment 2:

Location 1:

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

10/9/2022	A to B, None Specified	B to A, None Specified	Total
12:00 AM	0	1	1
1:00	0	1	1
2:00	0	0	0
3:00	1	0	1
4:00	0	0	0
5:00	0	0	0
6:00	4	0	4
7:00	3	0	3
8:00	9	7	16
9:00	6	7	13
10:00	5	8	13
11:00	8	5	13
12:00 PM	11	8	19
1:00	12	8	20
2:00	7	9	16
3:00	6	6	12
4:00	4	8	12
5:00	7	9	16
6:00	3	7	10
7:00	12	8	20
8:00	2	2	4
9:00	4	1	5
10:00	0	1	1
11:00	0	3	3
Total	104	99	203
Percent	51.2%	48.8%	
AM Peak	8:00	10:00	8:00
Volume	9	8	16
PM Peak	1:00	2:00	1:00
Volume	12	9	20

Site Code: 13 Lange St Lkshr - Comment 1:  
 Station ID: Comment 2:  
 Location 1: Comment 3:  
 Location 2: Comment 4:  
 Location 3:  
 Location 4: Latitude: 0.000000  
 Longitude: 0.000000

10/10/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	0	0	0
1:00	0	0	0
2:00	0	0	0
3:00	2	0	2
4:00	0	0	0
5:00	1	0	1
6:00	2	1	3
7:00	7	2	9
8:00	8	10	18
9:00	9	9	18
10:00	7	4	11
11:00	13	9	22
12:00 PM	10	9	19
1:00	13	15	28
2:00	5	8	13
3:00	12	3	15
4:00	5	5	10
5:00	13	11	24
6:00	10	12	22
7:00	8	2	10
8:00	3	3	6
9:00	0	1	1
10:00	0	0	0
11:00	1	2	3
Total	129	106	235
Percent	54.9%	45.1%	
AM Peak	11:00	8:00	11:00
Volume	13	10	22
PM Peak	1:00	1:00	1:00
Volume	13	15	28

Site Code: 13 Lange St Lkshr - Comment 1:  
 Station ID: Comment 2:  
 Location 1: Comment 3:  
 Location 2: Comment 4:  
 Location 3:  
 Location 4: Latitude: 0.000000  
 Longitude: 0.000000

10/11/2022	A to B, None	B to A, None	
Time	Specified	Specified	Total
12:00 AM	0	0	0
1:00	0	0	0
2:00	1	0	1
3:00	1	1	2
4:00	0	0	0
5:00	1	0	1
6:00	5	6	11
7:00	23	63	86
8:00	58	73	131
9:00	12	13	25
10:00	7	16	23
11:00	28	21	49
12:00 PM	22	13	35
1:00	13	30	43
2:00	69	55	124
3:00	38	38	76
4:00	28	45	73
5:00	27	34	61
6:00	14	14	28
7:00	26	3	29
8:00	4	3	7
9:00	7	3	10
10:00	1	0	1
11:00	1	1	2
Total	386	432	818
Percent	47.2%	52.8%	
AM Peak	8:00	8:00	8:00
Volume	58	73	131
PM Peak	2:00	2:00	2:00
Volume	69	55	124

Site Code: 13 Lange St Lkshr -

Comment 1:

Station ID:

Comment 2:

Location 1:

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

10/12/2022	A to B, None Specified	B to A, None Specified	
Time			Total
12:00 AM	1	0	1
1:00	0	1	1
2:00	0	0	0
3:00	1	0	1
4:00	0	0	0
5:00	2	5	7
6:00	7	7	14
7:00	31	71	102
8:00	55	60	115
9:00	8	11	19
10:00	14	20	34
11:00	24	15	39
12:00 PM	20	36	56
1:00	56	55	111
2:00	23	22	45
3:00	30	15	45
4:00	21	25	46
5:00	28	23	51
6:00	11	6	17
7:00	19	12	31
8:00	7	6	13
9:00	1	4	5
10:00	0	2	2
11:00	0	1	1
Total	359	397	756
Percent	47.5%	52.5%	
AM Peak	8:00	7:00	8:00
Volume	55	71	115
PM Peak	1:00	1:00	1:00
Volume	56	55	111

Site Code: 13 Lange St Lkshr - Comment 1:  
 Station ID: Comment 2:  
 Location 1: Comment 3:  
 Location 2: Comment 4:  
 Location 3:  
 Location 4: Latitude: 0.000000  
 Longitude: 0.000000

10/13/2022	A to B, None	B to A, None	
Time	Specified	Specified	Total
12:00 AM	0	2	2
1:00	2	0	2
2:00	0	0	0
3:00	1	0	1
4:00	0	0	0
5:00	3	1	4
6:00	3	6	9
7:00	27	65	92
8:00	58	59	117
9:00	17	8	25
10:00	9	14	23
11:00	25	18	43
12:00 PM	23	17	40
1:00	14	26	40
2:00	61	45	106
3:00	39	27	66
4:00	24	29	53
5:00	24	32	56
6:00	15	16	31
7:00	32	20	52
8:00	2	6	8
9:00	2	4	6
10:00	0	1	1
11:00	0	1	1
Total	381	397	778
Percent	49.0%	51.0%	
AM Peak	8:00	7:00	8:00
Volume	58	65	117
PM Peak	2:00	2:00	2:00
Volume	61	45	106

Site Code: 13 Lange St Lkshr - Comment 1:  
 Station ID: Comment 2:  
 Location 1: Comment 3:  
 Location 2: Comment 4:  
 Location 3: Latitude: 0.000000  
 Location 4: Longitude: 0.000000

10/14/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	0	0	0
1:00	0	1	1
2:00	1	1	2
3:00	1	0	1
4:00	0	1	1
5:00	2	1	3
6:00	4	6	10
7:00	28	71	99
8:00	55	52	107
9:00	7	4	11
10:00	*	*	0
11:00	*	*	0
12:00 PM	*	*	0
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	*	*	0
5:00	*	*	0
6:00	*	*	0
7:00	*	*	0
8:00	*	*	0
9:00	*	*	0
10:00	*	*	0
11:00	*	*	0
Total	98	137	235
Percent	41.7%	58.3%	
AM Peak	8:00	7:00	8:00
Volume	55	71	107
PM Peak			
Volume			
Grand Total	2545	2699	5244
Percent	48.5%	51.5%	
ADT		ADT: 589	AADT: 589

## **Appendix B**

- **Site 14**



# SPEED DATA ANALYSIS

## Location



1st Street to Clear Lake Avenue  
Latitude: 0.000000  
Longitude: 0.000000

## Analysis Time Period



Start  
6/3/2023  
12:20 PM

End  
6/8/2023  
9:59 AM

## Vehicles Analyzed



34,110

## Speed Limit



35

## Average Speed



29

## 85th Percentile Speed



33

## 10 MPH Pace Speed



24-33

## Peak Time of Violations



6/6/2023  
5:20 PM

## Standard Deviation



5.474

## Enforcement Rating

LOW



Site Code: 14 N Main  
 Station ID: Site 14  
 Location 1: 1st Street to Clear Lake Avenue  
 Location 2:  
 Location 3:  
 Location 4:

Comment 1: In front of church  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

6/3/2023 Time	A to B, None Specified	B to A, None Specified	Total
12:00 AM	*	*	0
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	*	*	0
5:00	*	*	0
6:00	*	*	0
7:00	*	*	0
8:00	*	*	0
9:00	*	*	0
10:00	*	*	0
11:00	*	*	0
12:00 PM	199	196	395
1:00	304	329	633
2:00	295	281	576
3:00	267	250	517
4:00	271	197	468
5:00	197	212	409
6:00	166	168	334
7:00	182	172	354
8:00	131	111	242
9:00	111	84	195
10:00	67	51	118
11:00	41	37	78
Total	2231	2088	4319
Percent	51.7%	48.3%	
AM Peak Volume			
PM Peak Volume	1:00	1:00	1:00
	304	329	633

Site Code: 14 N Main  
 Station ID: Site 14  
 Location 1: 1st Street to Clear Lake Avenue  
 Location 2:  
 Location 3:  
 Location 4:

Comment 1: In front of church  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

6/4/2023	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	25	11	36
1:00	19	9	28
2:00	18	9	27
3:00	8	5	13
4:00	6	7	13
5:00	10	20	30
6:00	22	36	58
7:00	58	63	121
8:00	81	126	207
9:00	136	195	331
10:00	222	246	468
11:00	226	271	497
12:00 PM	280	280	560
1:00	241	257	498
2:00	253	227	480
3:00	216	213	429
4:00	195	186	381
5:00	170	193	363
6:00	150	153	303
7:00	142	133	275
8:00	139	93	232
9:00	86	67	153
10:00	42	38	80
11:00	27	18	45
Total	2772	2856	5628
Percent	49.3%	50.7%	
AM Peak	11:00	11:00	11:00
Volume	226	271	497
PM Peak	12:00 PM	12:00 PM	12:00 PM
Volume	280	280	560

Site Code: 14 N Main  
 Station ID: Site 14  
 Location 1: 1st Street to Clear Lake Avenue  
 Location 2:  
 Location 3:  
 Location 4:

Comment 1: In front of church  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

6/5/2023	A to B, None Specified	B to A, None Specified	<i>Monday</i>	Total
Time				
12:00 AM	12	4		16
1:00	10	13		23
2:00	6	6		12
3:00	4	4		8
4:00	4	16		20
5:00	16	54		70
6:00	36	94		130
7:00	107	182		289
8:00	138	203		341
9:00	193	250		443
10:00	258	301		559
11:00	284	302		586
12:00 PM	324	345		669
1:00	309	318		627
2:00	317	302		619
3:00	324	299		623
4:00	311	280		591
5:00	312	255		567
6:00	216	165		381
7:00	146	121		267
8:00	120	99		219
9:00	72	70		142
10:00	37	32		69
11:00	20	19		39
Total	3576	3734		7310
Percent	48.9%	51.1%		
AM Peak	11:00	11:00		11:00
Volume	284	302		586
PM Peak	12:00 PM	12:00 PM		12:00 PM
Volume	324	345		669

Site Code: 14 N Main  
 Station ID: Site 14  
 Location 1: 1st Street to Clear Lake Avenue  
 Location 2:  
 Location 3:  
 Location 4:

Comment 1: In front of church  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

6/6/2023	A to B, None Specified	B to A, None Specified	Tuesday	Total
12:00 AM	13	14		27
1:00	6	7		13
2:00	5	2		7
3:00	3	4		7
4:00	5	17		22
5:00	21	58		79
6:00	53	102		155
7:00	83	191		274
8:00	163	214		377
9:00	207	275		482
10:00	276	306		582
11:00	287	371		658
12:00 PM	332	350		682
1:00	323	306		629
2:00	355	303		658
3:00	341	292		633
4:00	347	291		638
5:00	293	293		586
6:00	281	194		475
7:00	190	131		321
8:00	100	94		194
9:00	72	66		138
10:00	38	19		57
11:00	20	13		33
Total	3814	3913		7727
Percent	49.4%	50.6%		
AM Peak	11:00	11:00		11:00
Volume	287	371		658
PM Peak	2:00	12:00 PM		12:00 PM
Volume	355	350		682

Site Code: 14 N Main  
 Station ID: Site 14  
 Location 1: 1st Street to Clear Lake Avenue  
 Location 2:  
 Location 3:  
 Location 4:

Comment 1: In front of church  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

6/7/2023 Time	A to B, None Specified	B to A, None Specified	<i>Wednesday</i>	Total
12:00 AM	13	11		24
1:00	9	6		15
2:00	10	4		14
3:00	2	11		13
4:00	12	38		50
5:00	20	60		80
6:00	41	102		143
7:00	111	198		309
8:00	149	224		373
9:00	205	247		452
10:00	256	283		539
11:00	266	326		592
12:00 PM	298	345		643
1:00	329	350		679
2:00	319	347		666
3:00	362	317		679
4:00	365	292		657
5:00	312	299		611
6:00	207	184		391
7:00	190	128		318
8:00	118	90		208
9:00	81	55		136
10:00	34	23		57
11:00	17	14		31
Total	3726	3954		7680
Percent	48.5%	51.5%		
AM Peak	11:00	11:00		11:00
Volume	266	326		592
PM Peak	4:00	1:00		1:00
Volume	365	350		679

Site Code: 14 N Main  
 Station ID: Site 14  
 Location 1: 1st Street to Clear Lake Avenue  
 Location 2:  
 Location 3:  
 Location 4:

Comment 1: In front of church  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

6/8/2023	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	11	7	18
1:00	10	6	16
2:00	7	6	13
3:00	1	6	7
4:00	12	52	64
5:00	28	51	79
6:00	42	116	158
7:00	94	176	270
8:00	145	247	392
9:00	201	228	429
10:00	*	*	0
11:00	*	*	0
12:00 PM	*	*	0
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	*	*	0
5:00	*	*	0
6:00	*	*	0
7:00	*	*	0
8:00	*	*	0
9:00	*	*	0
10:00	*	*	0
11:00	*	*	0
Total	551	895	1446
Percent	38.1%	61.9%	
AM Peak	9:00	8:00	9:00
Volume	201	247	429
PM Peak			
Volume			
Grand Total	16670	17440	34110
Percent	48.9%	51.1%	
ADT	ADT: 7,046	AADT: 7,046	

## **Appendix B**

- **Site 15**



## SPEED DATA ANALYSIS

### Location



Armstrong to 1st Street  
Latitude: 0.000000  
Longitude: 0.000000

### Analysis Time Period



Start  
5/29/2023  
8:24 AM

End  
6/3/2023  
7:58 AM

### Vehicles Analyzed



45,999

### Speed Limit



35

### Average Speed



25

### 85th Percentile Speed



29

### 10 MPH Pace Speed



21-30

### Peak Time of Violations



6/1/2023  
7:24 AM

### Standard Deviation



5.686

### Enforcement Rating

LOW



Site Code: 15 South Main Street

Comment 1: tree on east side @

Redwood Community

Comment 2: Services

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

Station ID: Site 15

Location 1: Armstrong to 1st Street

Location 2:

Location 3:

Location 4:

5/29/2023	A to B, None Specified	B to A, None Specified	Monday ~ Memorial Day	Total
12:00 AM	*	*		0
1:00	*	*		0
2:00	*	*		0
3:00	*	*		0
4:00	*	*		0
5:00	*	*		0
6:00	*	*		0
7:00	*	*		0
8:00	70	97		167
9:00	166	193		359
10:00	240	249		489
11:00	269	287		556
12:00 PM	307	317		624
1:00	324	304		628
2:00	298	265		563
3:00	256	253		509
4:00	230	249		479
5:00	211	203		414
6:00	215	166		381
7:00	162	190		352
8:00	107	119		226
9:00	64	62		126
10:00	43	35		78
11:00	20	18		38
Total	2982	3007		5989
Percent	49.8%	50.2%		
AM Peak	11:00	11:00		11:00
Volume	269	287		556
PM Peak	1:00	12:00 PM		1:00
Volume	324	317		628

Site Code: 15 South Main Street

Station ID: Site 15

Location 1: Armstrong to 1st Street

Location 2:

Location 3:

Location 4:

Comment 1: tree on east side @  
Redwood Community  
Comment 2: Services  
Comment 3:  
Comment 4:  
Latitude: 0.000000  
Longitude: 0.000000

5/30/2023	A to B, None Specified	B to A, None Specified	Tuesday	Total
12:00 AM	13	9		
1:00	6	7		22
2:00	6	5		13
3:00	5	6		11
4:00	10	12		11
5:00	15	34		22
6:00	48	85		49
7:00	190	182		133
8:00	260	302		372
9:00	276	294		562
10:00	281	317		570
11:00	352	376		598
12:00 PM	384	368		728
1:00	406	450		752
2:00	392	397		856
3:00	395	384		789
4:00	388	370		779
5:00	347	359		758
6:00	209	199		706
7:00	165	143		408
8:00	145	132		308
9:00	74	84		277
10:00	47	39		158
11:00	13	21		86
Total	4427	4575		9002
Percent	49.2%	50.8%		
AM Peak	11:00	11:00		11:00
Volume	352	376		728
PM Peak	1:00	1:00		1:00
Volume	406	450		856

Site Code: 15 South Main Street

Comment 1: tree on east side @

Redwood Community

Comment 2: Services

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

Station ID: Site 15  
 Location 1: Armstrong to 1st Street  
 Location 2:  
 Location 3:  
 Location 4:

5/31/2023	A to B, None Specified	B to A, None Specified	Wednesday	Total
12:00 AM	8	12		20
1:00	8	5		13
2:00	5	7		12
3:00	7	11		18
4:00	8	16		24
5:00	23	49		72
6:00	61	104		165
7:00	210	178		388
8:00	241	296		537
9:00	280	290		570
10:00	358	347		705
11:00	375	409		784
12:00 PM	457	438		895
1:00	398	414		812
2:00	350	368		718
3:00	414	414		828
4:00	387	375		762
5:00	357	308		665
6:00	240	254		494
7:00	188	232		420
8:00	140	133		273
9:00	88	95		183
10:00	51	50		101
11:00	29	31		60
Total	4683	4836		9519
Percent	49.2%	50.8%		
AM Peak	11:00	11:00		11:00
Volume	375	409		784
PM Peak	12:00 PM	12:00 PM		12:00 PM
Volume	457	438		895

Site Code: 15 South Main Street

Station ID: Site 15

Location 1: Armstrong to 1st Street

Location 2:

Location 3:

Location 4:

Comment 1: tree on east side @

Redwood Community

Comment 2: Services

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

6/1/2023	A to B, None Specified	B to A, None Specified	Thursday,	Total
12:00 AM	16	28		44
1:00	12	10		22
2:00	8	6		14
3:00	4	6		10
4:00	8	18		26
5:00	23	42		65
6:00	72	101		173
7:00	219	182		401
8:00	319	295		614
9:00	243	313		556
10:00	382	374		756
11:00	407	381		788
12:00 PM	445	450		895
1:00	413	447		860
2:00	382	432		814
3:00	382	425		807
4:00	393	357		750
5:00	376	342		718
6:00	247	322		569
7:00	222	247		469
8:00	188	220		408
9:00	118	110		228
10:00	53	50		103
11:00	36	30		66
Total	4968	5188		10156
Percent	48.9%	51.1%		
AM Peak	11:00	11:00		11:00
Volume	407	381		788
PM Peak	12:00 PM	12:00 PM		12:00 PM
Volume	445	450		895

Site Code: 15 South Main Street

Comment 1: tree on east side @

Redwood Community

Comment 2: Services

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

Station ID: Site 15  
 Location 1: Armstrong to 1st Street  
 Location 2:  
 Location 3:  
 Location 4:

6/2/2023	A to B, None Specified	B to A, None Specified	<i>Friday,</i>	Total
Time				
12:00 AM	24	23		47
1:00	11	13		24
2:00	12	5		17
3:00	6	9		15
4:00	9	10		19
5:00	26	43		69
6:00	89	120		209
7:00	217	182		399
8:00	308	334		642
9:00	351	422		773
10:00	378	427		805
11:00	428	407		835
12:00 PM	492	454		946
1:00	430	430		860
2:00	422	402		824
3:00	428	435		863
4:00	406	406		812
5:00	344	321		665
6:00	287	237		524
7:00	198	211		409
8:00	172	224		396
9:00	142	204		346
10:00	79	80		159
11:00	63	36		99
Total	5322	5435		10757
Percent	49.5%	50.5%		
AM Peak	11:00	10:00		11:00
Volume	428	427		835
PM Peak	12:00 PM	12:00 PM		12:00 PM
Volume	492	454		946

Site Code: 15 South Main Street

Comment 1: tree on east side @

Redwood Community

Comment 2: Services

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

Station ID: Site 15

Location 1: Armstrong to 1st Street

Location 2:

Location 3:

Location 4:

6/3/2023	A to B, None Specified	B to A, None Specified	Saturday	Total
Time				
12:00 AM	40	38		78
1:00	22	19		41
2:00	14	14		28
3:00	6	10		16
4:00	24	16		40
5:00	36	23		59
6:00	58	65		123
7:00	91	107		198
8:00	*	*		0
9:00	*	*		0
10:00	*	*		0
11:00	*	*		0
12:00 PM	*	*		0
1:00	*	*		0
2:00	*	*		0
3:00	*	*		0
4:00	*	*		0
5:00	*	*		0
6:00	*	*		0
7:00	*	*		0
8:00	*	*		0
9:00	*	*		0
10:00	*	*		0
11:00	*	*		0
Total	291	292		583
Percent	49.9%	50.1%		
AM Peak	7:00	7:00		7:00
Volume	91	107		198
PM Peak				
Volume				
Grand Total	22673	23333		46006
Percent	49.3%	50.7%		
ADT		ADT: 9,201	AADT: 9,201	

## **Appendix B**

- **Site 16**



Site near D' ST - Soil or  
Change weathering

Lakeport Spot Speeds - 2023

Study # 16

Street: So. Main St. @ D St.

Date: 8/10/23 10:00 - 10:20

Speed	Total
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	
35	
34	
33	
32	
31	
30	
29	
28	
27	
26	
25	
24	
23	
22	X
21	
19	
18	
17	
16	
15	
14	
13	
12	
11	
10	
9	
8	
7	
6	
5	
4	
3	
2	
1	
	1
	2
	3
	4
	5
	6
	7
	8
	9
	10
	11
	12
	13
	14
	15
	16
	17
	18
	19
	20
	21
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	23
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	30
	31
	32
	33
	34
	35
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	37
	38
	39
	40
	41
	42
	43
	44
	45
	46
	47
	48
	49
	50
	51
	52
	53
	54
	55
	56
	57
	58
	59
	60

Pace 25-34  
85 to 33



## SPEED DATA ANALYSIS

### Location



Latitude: 0.000000  
Longitude: 0.000000

### Analysis Time Period



Start  
6/4/2023  
11:10 AM

End  
6/8/2023  
9:27 AM

### Vehicles Analyzed



**37,864**

### Speed Limit



**35**

### Average Speed



**29**

### 85th Percentile Speed



**33**

### 10 MPH Pace Speed



**25-34**

### Peak Time of Violations



**6/6/2023  
5:10 PM**

### Standard Deviation



**7.881**

### Enforcement Rating

**LOW**



Site Code: 16 S Main St

Comment 1: Site location between E  
St. & Oak St.

Comment 2: west side power pole  
across from Performance European

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

Location 1:

Location 2:

Location 3:

Location 4:

6/4/2023	A to B, None Specified	B to A, None Specified	Sunday	Total
12:00 AM	*	*		0
1:00	*	*		0
2:00	*	*		0
3:00	*	*		0
4:00	*	*		0
5:00	*	*		0
6:00	*	*		0
7:00	*	*		0
8:00	*	*		0
9:00	*	*		0
10:00	*	*		0
11:00	218	229		447
12:00 PM	277	279		556
1:00	254	301		555
2:00	245	247		492
3:00	203	225		428
4:00	187	222		409
5:00	182	182		364
6:00	135	182		317
7:00	133	152		285
8:00	128	114		242
9:00	91	84		175
10:00	43	49		92
11:00	38	27		65
Total	2134	2293		4427
Percent	48.2%	51.8%		
AM Peak	11:00	11:00		11:00
Volume	218	229		447
PM Peak	12:00 PM	1:00		12:00 PM
Volume	277	301		556

Site Code: 16 S Main St

Comment 1: Site location between E  
St. & Oak St.

Comment 2: west side power pole  
across from Performance European

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

Station ID: Site 16

Location 1:

Location 2:

Location 3:

Location 4:

6/5/2023	A to B, None Specified	B to A, None Specified	Monday	Total
12:00 AM	17	11		28
1:00	16	14		30
2:00	7	5		12
3:00	1	5		6
4:00	13	22		35
5:00	29	76		105
6:00	57	83		140
7:00	161	171		332
8:00	213	231		444
9:00	245	279		524
10:00	314	320		634
11:00	314	338		652
12:00 PM	343	373		716
1:00	333	341		674
2:00	329	313		642
3:00	344	359		703
4:00	299	323		622
5:00	298	315		613
6:00	185	176		361
7:00	159	151		310
8:00	129	126		255
9:00	89	81		170
10:00	45	53		98
11:00	30	28		58
Total	3970	4194		8164
Percent	48.6%	51.4%		
AM Peak	10:00	11:00		11:00
Volume	314	338		652
PM Peak	3:00	12:00 PM		12:00 PM
Volume	344	373		716

Site Code: 16 S Main St

Comment 1: Site location between E  
St. & Oak St.

Station ID: Site 16

Comment 2: west side power pole

Location 1:

across from Performance European

Location 2:

Comment 3:

Location 3:

Comment 4:

Location 4:

Latitude: 0.000000

Longitude: 0.000000

6/6/2023 Time	A to B, None Specified	B to A, None Specified	Tuesday	Total
12:00 AM	19	21		40
1:00	10	8		18
2:00	11	8		19
3:00	4	6		10
4:00	10	19		29
5:00	38	74		112
6:00	65	102		167
7:00	151	170		321
8:00	227	279		506
9:00	264	305		569
10:00	284	354		638
11:00	299	367		666
12:00 PM	333	394		727
1:00	324	324		648
2:00	322	342		664
3:00	337	354		691
4:00	289	344		633
5:00	307	305		612
6:00	218	239		457
7:00	184	188		372
8:00	118	132		250
9:00	78	91		169
10:00	33	26		59
11:00	22	16		38
Total	3947	4468		8415
Percent	46.9%	53.1%		
AM Peak	11:00	11:00		11:00
Volume	299	367		666
PM Peak	3:00	12:00 PM		12:00 PM
Volume	337	394		727

Site Code: 16 S Main St

Station ID: Site 16

Location 1:

Location 2:

Location 3:

Location 4:

Comment 1: Site location between E  
St. & Oak St.

Comment 2: west side power pole  
across from Performance European

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

6/7/2023	A to B, None Specified	B to A, None Specified	Wednesday	Total
12:00 AM	14	16		30
1:00	9	10		19
2:00	10	9		19
3:00	5	11		16
4:00	61	24		85
5:00	52	72		124
6:00	56	100		156
7:00	213	165		378
8:00	314	234		548
9:00	296	233		529
10:00	330	283		613
11:00	413	267		680
12:00 PM	428	290		718
1:00	449	262		711
2:00	444	314		758
3:00	405	290		695
4:00	397	278		675
5:00	336	286		622
6:00	219	176		395
7:00	153	163		316
8:00	133	119		252
9:00	80	63		143
10:00	31	31		62
11:00	23	24		47
Total	4871	3720		8591
Percent	56.7%	43.3%		
AM Peak	11:00	10:00		11:00
Volume	413	283		680
PM Peak	1:00	2:00		2:00
Volume	449	314		758

Site Code: 16 S Main St

Comment 1: Site location between E  
St. & Oak St.

Comment 2: west side power pole  
across from Performance European

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

Station ID: Site 16

Location 1:

Location 2:

Location 3:

Location 4:

6/8/2023	A to B, None Specified	B to A, None Specified	Thursday	Total
Time				
12:00 AM	16	17		33
1:00	11	7		18
2:00	9	9		18
3:00	3	9		12
4:00	51	30		81
5:00	39	65		104
6:00	65	124		189
7:00	196	140		336
8:00	266	225		491
9:00	123	99		222
10:00	*	*		0
11:00	*	*		0
12:00 PM	*	*		0
1:00	*	*		0
2:00	*	*		0
3:00	*	*		0
4:00	*	*		0
5:00	*	*		0
6:00	*	*		0
7:00	*	*		0
8:00	*	*		0
9:00	*	*		0
10:00	*	*		0
11:00	*	*		0
Total	779	725		1504
Percent	51.8%	48.2%		
AM Peak	8:00	8:00		8:00
Volume	266	225		491
PM Peak				
Volume				
Grand Total	15701	15400		31101
Percent	50.5%	49.5%		
ADT		ADT: 7,932	AADT: 7,932	



## **Appendix B**

- **Site 17**



Lakeport Spot Speeds - 2023

Date: 8/10/23 11:22 pm - 11:25 pm

Street: So. Main & Kimball, Spec  
No. 2 Portable Space

Speed	total
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	18 14 13 10 8 7 7 6 5 3 2 2 2 2 1
	100

37

28

$$\text{Pace} = 28 - 37 \\ 85\% = 37$$



Site Code: 17 S Maim St

Comment 1: Location 270 ft. South  
of Kimberley

Station ID: Site 17

Comment 2: Near Portable Spas

Location 1: So. Main Street

sign

Location 2: City Limits - Lakeport Blvd.

Comment 3:

Location 3:

Comment 4:

Location 4:

Latitude: 0.000000

Longitude: 0.000000

5/30/2023	A to B, None Specified	B to A, None Specified	Tuesday	Total
12:00 AM	*	*		0
1:00	*	*		0
2:00	*	*		0
3:00	*	*		0
4:00	*	*		0
5:00	*	*		0
6:00	*	*		0
7:00	*	*		0
8:00	*	*		0
9:00	194	196		390
10:00	260	262		522
11:00	272	316		588
12:00 PM	293	353		646
1:00	299	341		640
2:00	289	331		620
3:00	284	333		617
4:00	294	320		614
5:00	274	294		568
6:00	163	193		356
7:00	103	146		249
8:00	95	116		211
9:00	47	72		119
10:00	33	28		61
11:00	15	15		30
Total	2915	3316		6231
Percent	46.8%	53.2%		
AM Peak	11:00	11:00		11:00
Volume	272	316		588
PM Peak	1:00	12:00 PM		12:00 PM
Volume	299	353		646

Site Code: 17 S Main St

Comment 1: Location 270 ft. South  
of Kimberley

Comment 2: Near Portable Spas  
sign

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

Station ID: Site 17

Location 1: So. Main Street

Location 2: City Limits - Lakeport Blvd.

Location 3:

Location 4:

5/31/2023 Time	A to B, None Specified	B to A, None Specified	Wednesday	Total
12:00 AM	9	11		20
1:00	6	5		11
2:00	5	2		7
3:00	4	11		15
4:00	9	14		23
5:00	21	47		68
6:00	62	105		167
7:00	164	174		338
8:00	215	263		478
9:00	231	256		487
10:00	283	307		590
11:00	293	316		609
12:00 PM	313	354		667
1:00	291	312		603
2:00	279	307		586
3:00	301	349		650
4:00	294	329		623
5:00	261	265		526
6:00	160	204		364
7:00	110	191		301
8:00	89	117		206
9:00	65	61		126
10:00	33	44		77
11:00	15	31		46
Total	3513	4075		7588
Percent	46.3%	53.7%		
AM Peak Volume	11:00	11:00		11:00
PM Peak Volume	12:00 PM	12:00 PM		12:00 PM
	313	354		667

Site Code: 17 S Maim St

Comment 1: Location 270 ft. South

of Kimberley

Comment 2: Near Portable Spas

sign

Comment 3:

Comment 4:

Station ID: Site 17

Location 1: So. Main Street

Latitude: 0.000000

Location 2: City Limits - Lakeport Blvd.

Longitude: 0.000000

Location 3:

Location 4:

6/1/2023 Time	A to B, None Specified	B to A, None Specified	Thursday	Total
12:00 AM	15	23		38
1:00	13	15		28
2:00	6	4		10
3:00	7	7		14
4:00	9	22		31
5:00	16	49		65
6:00	58	109		167
7:00	177	172		349
8:00	264	262		526
9:00	225	281		506
10:00	285	305		590
11:00	291	333		624
12:00 PM	337	329		666
1:00	311	337		648
2:00	311	336		647
3:00	276	349		625
4:00	266	305		571
5:00	277	274		551
6:00	189	230		419
7:00	117	184		301
8:00	130	158		288
9:00	81	77		158
10:00	28	41		69
11:00	19	19		38
Total	3708	4221		7929
Percent	46.8%	53.2%		
AM Peak	11:00	11:00		11:00
Volume	291	333		624
PM Peak	12:00 PM	3:00		12:00 PM
Volume	337	349		666

Site Code: 17 S Maim St

Comment 1: Location 270 ft. South  
of Kimberley

Station ID: Site 17

Comment 2: Near Portable Spas  
sign

Location 1: So. Main Street

Comment 3:

Location 2: City Limits - Lakeport Blvd.

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

6/2/2023	A to B, None Specified	B to A, None Specified	Friday	Total
12:00 AM	15	17		32
1:00	11	13		24
2:00	9	9		18
3:00	2	9		11
4:00	6	17		23
5:00	22	49		71
6:00	73	110		183
7:00	182	174		356
8:00	229	258		487
9:00	262	297		559
10:00	283	300		583
11:00	315	342		657
12:00 PM	342	359		701
1:00	297	373		670
2:00	315	355		670
3:00	324	363		687
4:00	291	352		643
5:00	259	283		542
6:00	205	203		408
7:00	137	152		289
8:00	120	160		280
9:00	78	123		201
10:00	61	67		128
11:00	38	42		80
Total	3876	4427		8303
Percent	46.7%	53.3%		
AM Peak	11:00	11:00		11:00
Volume	315	342		657
PM Peak	12:00 PM	1:00		12:00 PM
Volume	342	373		701

Site Code: 17 S Maim St

Comment 1: Location 270 ft. South

of Kimberley

Comment 2: Near Portable Spas

sign

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

Station ID: Site 17

Location 1: So. Main Street

Location 2: City Limits - Lakeport Blvd.

Location 3:

Location 4:

6/3/2023	A to B, None Specified	B to A, None Specified	Saturday	Total
Time				
12:00 AM	25	24		49
1:00	17	16		33
2:00	9	10		19
3:00	5	7		12
4:00	21	15		36
5:00	24	32		56
6:00	42	49		91
7:00	81	97		178
8:00	150	160		310
9:00	*	*		0
10:00	*	*		0
11:00	*	*		0
12:00 PM	*	*		0
1:00	*	*		0
2:00	*	*		0
3:00	*	*		0
4:00	*	*		0
5:00	*	*		0
6:00	*	*		0
7:00	*	*		0
8:00	*	*		0
9:00	*	*		0
10:00	*	*		0
11:00	*	*		0
Total	374	410		784
Percent	47.7%	52.3%		
AM Peak	8:00	8:00		8:00
Volume	150	160		310
PM Peak				
Volume				
Grand Total	14386	16449		30835
Percent	46.7%	53.3%		
ADT	ADT: 7,709		AADT: 7,709	



## **Appendix B**

- **Site 18**



## SPEED DATA ANALYSIS

### Location



Latitude: 0.000000  
Longitude: 0.000000

### Analysis Time Period



Start  
5/29/2023  
10:06 AM

End  
6/3/2023  
9:52 AM

### Vehicles Analyzed



**42,706**

### Speed Limit



**35**

### Average Speed



**36**

### 85th Percentile Speed



**40**

### 10 MPH Pace Speed



**32-41**

### Peak Time of Violations



**6/1/2023  
3:06 PM**

### Standard Deviation



**5.716**

### Enforcement Rating

**HIGH**



Site Code: Comment 1:  
 Station ID: Comment 2:  
 Location 1: Comment 3:  
 Location 2: Comment 4:  
 Location 3:  
 Location 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

5/29/2023	A to B, None Specified	B to A, None Specified		Monday	Total
Time					
12:00 AM	*	*			0
1:00	*	*			0
2:00	*	*			0
3:00	*	*			0
4:00	*	*			0
5:00	*	*			0
6:00	*	*			0
7:00	*	*			0
8:00	*	*			0
9:00	*	*			0
10:00	203	206			409
11:00	249	288			537
12:00 PM	289	277			566
1:00	294	319			613
2:00	271	260			531
3:00	236	247			483
4:00	182	222			404
5:00	201	179			380
6:00	156	166			322
7:00	104	127			231
8:00	79	102			181
9:00	48	54			102
10:00	24	30			54
11:00	20	20			40
Total	2356	2497			4853
Percent	48.5%	51.5%			
AM Peak	11:00	11:00			11:00
Volume	249	288			537
PM Peak	1:00	1:00			1:00
Volume	294	319			613

Site Code: Comment 1:  
 Station ID: Comment 2:  
 Location 1: Comment 3:  
 Location 2: Comment 4:  
 Location 3: Latitude: 0.000000  
 Location 4: Longitude: 0.000000

5/30/2023	A to B, None Time Specified	B to A, None Specified	Tuesday	Total
12:00 AM	8	6		14
1:00	8	5		13
2:00	7	4		11
3:00	8	10		18
4:00	10	18		28
5:00	21	51		72
6:00	68	84		152
7:00	211	178		389
8:00	291	289		580
9:00	284	274		558
10:00	286	282		568
11:00	351	368		719
12:00 PM	360	414		774
1:00	354	377		731
2:00	374	387		761
3:00	361	397		758
4:00	376	379		755
5:00	332	353		685
6:00	178	200		378
7:00	107	155		262
8:00	100	116		216
9:00	54	74		128
10:00	35	29		64
11:00	14	14		28
Total	4198	4464		8662
Percent	48.5%	51.5%		
AM Peak	11:00	11:00		11:00
Volume	351	368		719
PM Peak	4:00	12:00 PM		12:00 PM
Volume	376	414		774

Site Code: Comment 1:  
 Station ID: Comment 2:  
 Location 1: Comment 3:  
 Location 2: Comment 4:  
 Location 3:  
 Location 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

5/31/2023	A to B, None Specified	B to A, None Specified	<i>Wednesday</i>	Total
Time				
12:00 AM	8	9		17
1:00	8	7		15
2:00	6	2		8
3:00	4	8		12
4:00	8	14		22
5:00	22	52		74
6:00	77	93		170
7:00	214	198		412
8:00	268	294		562
9:00	281	299		580
10:00	331	333		664
11:00	346	351		697
12:00 PM	380	418		798
1:00	380	361		741
2:00	356	357		713
3:00	373	387		760
4:00	362	383		745
5:00	317	306		623
6:00	177	220		397
7:00	130	198		328
8:00	102	129		231
9:00	73	69		142
10:00	35	41		76
11:00	15	30		45
Total	4273	4559		8832
Percent	48.4%	51.6%		
AM Peak	11:00	11:00		11:00
Volume	346	351		697
PM Peak	12:00 PM	12:00 PM		12:00 PM
Volume	380	418		798

Site Code: Comment 1:  
 Station ID: Comment 2:  
 Location 1: Comment 3:  
 Location 2: Comment 4:  
 Location 3:  
 Location 4: Latitude: 0.000000  
 Longitude: 0.000000

6/1/2023	A to B, None Specified	B to A, None Specified	<i>Thursday</i>	Total
Time				
12:00 AM	16	22		38
1:00	13	15		28
2:00	6	3		9
3:00	7	8		15
4:00	9	19		28
5:00	17	55		72
6:00	82	93		175
7:00	222	181		403
8:00	322	276		598
9:00	278	316		594
10:00	339	331		670
11:00	362	393		755
12:00 PM	422	383		805
1:00	398	374		772
2:00	358	392		750
3:00	368	420		788
4:00	331	356		687
5:00	292	348		640
6:00	226	264		490
7:00	141	198		339
8:00	143	162		305
9:00	91	74		165
10:00	31	38		69
11:00	17	19		36
Total	4491	4740		9231
Percent	48.7%	51.3%		
AM Peak	11:00	11:00		11:00
Volume	362	393		755
PM Peak	12:00 PM	3:00		12:00 PM
Volume	422	420		805

Site Code:

Comment 1:

Station ID:

Comment 2:

Location 1:

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

6/2/2023	A to B, None Specified	B to A, None Specified	Friday	Total
Time				
12:00 AM	13	17		30
1:00	11	12		23
2:00	10	7		17
3:00	2	10		12
4:00	7	14		21
5:00	21	50		71
6:00	100	102		202
7:00	229	206		435
8:00	298	270		568
9:00	317	327		644
10:00	355	339		694
11:00	391	402		793
12:00 PM	428	446		874
1:00	395	445		840
2:00	400	411		811
3:00	401	435		836
4:00	368	433		801
5:00	310	352		662
6:00	252	230		482
7:00	160	163		323
8:00	123	162		285
9:00	84	132		216
10:00	61	62		123
11:00	42	42		84
Total	4778	5069		9847
Percent	48.5%	51.5%		
AM Peak	11:00	11:00		11:00
Volume	391	402		793
PM Peak	12:00 PM	12:00 PM		12:00 PM
Volume	428	446		874

Site Code: Comment 1:  
 Station ID: Comment 2:  
 Location 1: Comment 3:  
 Location 2: Comment 4:  
 Location 3:  
 Location 4: Latitude: 0.000000  
 Longitude: 0.000000

6/3/2023	A to B, None Specified	B to A, None Specified	Saturday	Total
12:00 AM	25	23		48
1:00	19	17		36
2:00	8	11		19
3:00	6	7		13
4:00	20	15		35
5:00	23	32		55
6:00	44	50		94
7:00	89	95		184
8:00	196	179		375
9:00	207	215		422
10:00	*	*		0
11:00	*	*		0
12:00 PM	*	*		0
1:00	*	*		0
2:00	*	*		0
3:00	*	*		0
4:00	*	*		0
5:00	*	*		0
6:00	*	*		0
7:00	*	*		0
8:00	*	*		0
9:00	*	*		0
10:00	*	*		0
11:00	*	*		0
Total	637	644		1281
Percent	49.7%	50.3%		
AM Peak Volume	9:00	9:00		9:00
PM Peak Volume	207	215		422
Grand Total	20733	21973		42706
Percent ADT	48.5%	51.5%		
		ADT: 8,541	AADT: 8,541	

## **Appendix B**

- **Site 19**



## SPEED DATA ANALYSIS

### Location



City Limits to Lakeport Blvd.  
Latitude: 0.000000  
Longitude: 0.000000

### Analysis Time Period



Start  
6/4/2023  
10:44 AM

End  
6/8/2023  
8:40 AM

### Vehicles Analyzed



**30,973**

### Speed Limit



**35**

### Average Speed



**37**

### 85th Percentile Speed



**42**

### 10 MPH Pace Speed



**33-42**

### Peak Time of Violations



**6/7/2023  
3:44 PM**

### Standard Deviation



**5.730**

### Enforcement Rating

**HIGH**



Site Code: 19 South Main Street

Station ID: Site 19

Location 1: City Limits to Lakeport Blvd.

Location 2:

Location 3:

Location 4:

Comment 1: LLocation 650 ft. S of  
Peckham, attached to base

Comment 2: Classic Auto Body sign.

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

6/4/2023	A to B, None Specified	B to A, None Specified	Sunday	Total
12:00 AM	*	*		0
1:00	*	*		0
2:00	*	*		0
3:00	*	*		0
4:00	*	*		0
5:00	*	*		0
6:00	*	*		0
7:00	*	*		0
8:00	*	*		0
9:00	*	*		0
10:00	61	68		129
11:00	284	256		540
12:00 PM	300	300		600
1:00	247	301		548
2:00	259	286		545
3:00	214	236		450
4:00	200	210		410
5:00	157	156		313
6:00	108	126		234
7:00	121	123		244
8:00	102	121		223
9:00	70	51		121
10:00	28	29		57
11:00	23	22		45
Total	2174	2285		4459
Percent	48.8%	51.2%		
AM Peak	11:00	11:00		11:00
Volume	284	256		540
PM Peak	12:00 PM	1:00		12:00 PM
Volume	300	301		600

Site Code: 19 South Main Street

Station ID: Site 19

Location 1: City Limits to Lakeport Blvd.

Location 2:

Location 3:

Location 4:

Comment 1: LLocation 650 ft. S of  
Peckham, attached to base  
Comment 2: Classic Auto Body sign.  
Comment 3:  
Comment 4:  
Latitude: 0.000000  
Longitude: 0.000000

6/5/2023	A to B, None Specified	B to A, None Specified	Monday	Total
Time				
12:00 AM	9	7		16
1:00	12	11		23
2:00	3	2		5
3:00	1	5		6
4:00	13	11		24
5:00	26	59		85
6:00	88	82		170
7:00	186	172		358
8:00	263	228		491
9:00	250	235		485
10:00	343	316		659
11:00	316	346		662
12:00 PM	350	365		715
1:00	348	365		713
2:00	362	343		705
3:00	336	386		722
4:00	322	388		710
5:00	273	312		585
6:00	183	202		385
7:00	120	135		255
8:00	82	119		201
9:00	49	61		110
10:00	17	28		45
11:00	20	15		35
Total	3972	4193		8165
Percent	48.6%	51.4%		
AM Peak	10:00	11:00		11:00
Volume	343	346		662
PM Peak	2:00	4:00		3:00
Volume	362	388		722

Site Code: 19 South Main Street

Station ID: Site 19

Location 1: City Limits to Lakeport Blvd.

Location 2:

Location 3:

Location 4:

Comment 1: LLocation 650 ft. S of Peckham, attached to base  
Comment 2: Classic Auto Body sign.  
Comment 3:  
Comment 4:  
Latitude: 0.000000  
Longitude: 0.000000

6/6/2023	A to B, None Specified	B to A, None Specified	Tuesday	Total
12:00 AM	9	11		20
1:00	7	6		13
2:00	4	4		8
3:00	6	8		14
4:00	11	13		24
5:00	31	52		83
6:00	89	87		176
7:00	182	159		341
8:00	304	237		541
9:00	281	283		564
10:00	330	312		642
11:00	307	369		676
12:00 PM	359	380		739
1:00	346	349		695
2:00	356	331		687
3:00	390	414		804
4:00	352	381		733
5:00	320	351		671
6:00	182	285		467
7:00	134	178		312
8:00	84	106		190
9:00	48	61		109
10:00	15	18		33
11:00	19	15		34
Total	4166	4410		8576
Percent	48.6%	51.4%		
AM Peak	10:00	11:00		11:00
Volume	330	369		676
PM Peak	3:00	3:00		3:00
Volume	390	414		804

Site Code: 19 South Main Street

Station ID: Site 19

Location 1: City Limits to Lakeport Blvd.

Location 2:

Location 3:

Location 4:

Comment 1: Location 650 ft. S of Peckham, attached to base  
Comment 2: Classic Auto Body sign.  
Comment 3:  
Comment 4:  
Latitude: 0.000000  
Longitude: 0.000000

6/7/2023	A to B, None Specified	B to A, None Specified	Wednesday	Total
12:00 AM	8	6		14
1:00	6	7		13
2:00	4	3		7
3:00	6	9		15
4:00	43	18		61
5:00	38	54		92
6:00	63	86		149
7:00	203	210		413
8:00	316	261		577
9:00	286	291		577
10:00	309	317		626
11:00	326	350		676
12:00 PM	381	366		747
1:00	382	396		778
2:00	336	369		705
3:00	352	448		800
4:00	349	408		757
5:00	278	338		616
6:00	197	219		416
7:00	116	156		272
8:00	91	126		217
9:00	60	53		113
10:00	18	15		33
11:00	14	10		24
Total	4182	4516		8698
Percent	48.1%	51.9%		
AM Peak	11:00	11:00		11:00
Volume	326	350		676
PM Peak	1:00	3:00		3:00
Volume	382	448		800

Site Code: 19 South Main Street

Station ID: Site 19

Location 1: City Limits to Lakeport Blvd.

Location 2:

Location 3:

Location 4:

Comment 1: LLocation 650 ft. S of

Peckham, attached to base

Comment 2: Classic Auto Body sign.

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

6/8/2023	A to B, None Specified	B to A, None Specified	Thursday	Total
12:00 AM	10	14		24
1:00	11	4		15
2:00	3	0		3
3:00	3	10		13
4:00	40	16		56
5:00	35	46		81
6:00	80	92		172
7:00	179	171		350
8:00	204	163		367
9:00	*	*		0
10:00	*	*		0
11:00	*	*		0
12:00 PM	*	*		0
1:00	*	*		0
2:00	*	*		0
3:00	*	*		0
4:00	*	*		0
5:00	*	*		0
6:00	*	*		0
7:00	*	*		0
8:00	*	*		0
9:00	*	*		0
10:00	*	*		0
11:00	*	*		0
Total	565	516		1081
Percent	52.3%	47.7%		
AM Peak	8:00	7:00		8:00
Volume	204	171		367
PM Peak				
Volume				
Grand Total	15059	15920		30979
Percent	48.6%	51.4%		
ADT	ADT: 7,881	AADT: 7,881		



## **Appendix B**

- **Site 20**

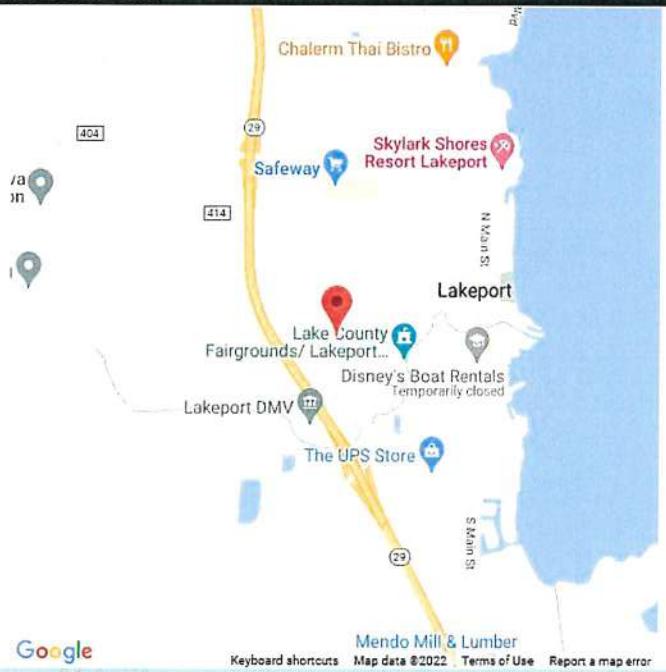


# SPEED DATA ANALYSIS

## Location



Latitude: 39.040386  
Longitude: -122.925438



## Analysis Time Period



Start  
5/13/2022  
12:50 PM

End  
5/25/2022  
8:23 AM

## Vehicles Analyzed



8,583

## Average Speed



34

## 10 MPH Pace Speed



34-43

## Standard Deviation



8.679

## Speed Limit



40

## 85th Percentile Speed



43

## Peak Time of Violations



5/24/2022  
4:50 PM

## Enforcement Rating

HIGH



Site Code: Martin W 22

Station ID:

Location 1:

Location 2:

Location 3:

Location 4:

Comment 1:

Comment 2:

Comment 3:

Comment 4:

Latitude: 39.040386

Longitude: -122.925438

5/13/2022	A to B, None Specified	B to A, None Specified	Total
12:00 AM	*	*	0
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	*	*	0
5:00	*	*	0
6:00	*	*	0
7:00	*	*	0
8:00	*	*	0
9:00	*	*	0
10:00	*	*	0
11:00	*	*	0
12:00 PM	4	4	8
1:00	32	30	62
2:00	29	35	64
3:00	32	35	67
4:00	18	41	59
5:00	26	40	66
6:00	32	39	71
7:00	9	27	36
8:00	16	12	28
9:00	9	19	28
10:00	4	8	12
11:00	6	6	12
Total	217	296	513
Percent	42.3%	57.7%	
AM Peak Volume			
PM Peak Volume	1:00 32	4:00 41	6:00 71

Site Code: Martin W 22 Comment 1:  
 Station ID: Comment 2:  
 Location 1: Comment 3:  
 Location 2: Comment 4:  
 Location 3:  
 Location 4: Latitude: 39.040386  
 Longitude: -122.925438

5/14/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	1	5	6
1:00	2	4	6
2:00	2	4	6
3:00	1	0	1
4:00	0	0	0
5:00	4	0	4
6:00	7	7	14
7:00	8	8	16
8:00	17	7	24
9:00	24	19	43
10:00	26	27	53
11:00	26	22	48
12:00 PM	24	29	53
1:00	33	27	60
2:00	22	23	45
3:00	18	23	41
4:00	20	24	44
5:00	12	16	28
6:00	15	13	28
7:00	14	19	33
8:00	14	21	35
9:00	11	7	18
10:00	9	12	21
11:00	3	5	8
Total	313	322	635
Percent	49.3%	50.7%	
AM Peak	10:00	10:00	10:00
Volume	26	27	53
PM Peak	1:00	12:00 PM	1:00
Volume	33	29	60

Site Code: Martin W 22

Station ID:

Comment 1:

Comment 2:

Location 1:

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 39.040386

Location 4:

Longitude: -122.925438

5/15/2022	A to B, None Specified	B to A, None Specified	Total
12:00 AM	2	8	10
1:00	2	8	10
2:00	3	2	5
3:00	2	3	5
4:00	2	1	3
5:00	3	0	3
6:00	2	0	2
7:00	8	3	11
8:00	15	15	30
9:00	19	16	35
10:00	26	19	45
11:00	24	15	39
12:00 PM	9	19	28
1:00	28	20	48
2:00	25	31	56
3:00	23	28	51
4:00	23	25	48
5:00	28	24	52
6:00	22	25	47
7:00	14	10	24
8:00	5	12	17
9:00	5	8	13
10:00	2	5	7
11:00	7	4	11
Total	299	301	600
Percent	49.8%	50.2%	
AM Peak	10:00	10:00	10:00
Volume	26	19	45
PM Peak	1:00	2:00	2:00
Volume	28	31	56

Site Code: Martin W 22

Comment 1:

Station ID:

Comment 2:

Location 1:

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 39.040386

Location 4:

Longitude: -122.925438

5/16/2022	A to B, None Specified	B to A, None Specified	Total
12:00 AM	2	1	3
1:00	2	3	5
2:00	3	6	9
3:00	0	0	0
4:00	0	0	0
5:00	5	0	5
6:00	16	6	22
7:00	51	14	65
8:00	20	16	36
9:00	12	22	34
10:00	23	20	43
11:00	27	27	54
12:00 PM	26	31	57
1:00	20	18	38
2:00	22	28	50
3:00	24	36	60
4:00	35	31	66
5:00	28	40	68
6:00	12	26	38
7:00	10	16	26
8:00	9	16	25
9:00	3	16	19
10:00	1	5	6
11:00	5	7	12
Total	356	385	741
Percent	48.0%	52.0%	
AM Peak	7:00	11:00	7:00
Volume	51	27	65
PM Peak	4:00	5:00	5:00
Volume	35	40	68

Site Code: Martin W 22

Station ID:

Location 1:

Location 2:

Location 3:

Location 4:

Comment 1:

Comment 2:

Comment 3:

Comment 4:

Latitude: 39.040386

Longitude: -122.925438

5/17/2022	A to B, None Specified	B to A, None Specified	Total
12:00 AM	1	2	3
1:00	1	1	2
2:00	1	4	5
3:00	0	0	0
4:00	3	2	5
5:00	8	3	11
6:00	20	10	30
7:00	47	19	66
8:00	26	18	44
9:00	21	16	37
10:00	29	29	58
11:00	18	30	48
12:00 PM	19	18	37
1:00	24	28	52
2:00	35	21	56
3:00	21	34	55
4:00	28	41	69
5:00	26	33	59
6:00	9	27	36
7:00	13	22	35
8:00	11	13	24
9:00	6	10	16
10:00	5	9	14
11:00	1	4	5
Total	373	394	767
Percent	48.6%	51.4%	
AM Peak	7:00	11:00	7:00
Volume	47	30	66
PM Peak	2:00	4:00	4:00
Volume	35	41	69

Site Code: Martin W 22 Comment 1:  
 Station ID: Comment 2:  
 Location 1: Comment 3:  
 Location 2: Comment 4:  
 Location 3:  
 Location 4: Latitude: 39.040386  
 Longitude: -122.925438

5/18/2022 Time	A to B, None Specified	B to A, None Specified	Total
12:00 AM	2	3	5
1:00	1	2	3
2:00	3	3	6
3:00	1	0	1
4:00	3	3	6
5:00	6	1	7
6:00	15	6	21
7:00	46	22	68
8:00	25	18	43
9:00	22	22	44
10:00	15	19	34
11:00	24	17	41
12:00 PM	31	36	67
1:00	33	35	68
2:00	24	34	58
3:00	26	35	61
4:00	39	43	82
5:00	29	23	52
6:00	11	23	34
7:00	6	22	28
8:00	9	13	22
9:00	8	12	20
10:00	2	9	11
11:00	2	4	6
Total	383	405	788
Percent	48.6%	51.4%	
AM Peak	7:00	7:00	7:00
Volume	46	22	68
PM Peak	4:00	4:00	4:00
Volume	39	43	82

Site Code: Martin W 22

Comment 1:

Station ID:

Comment 2:

Location 1:

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 39.040386

Location 4:

Longitude: -122.925438

5/19/2022	A to B, None Specified	B to A, None Specified	Total
12:00 AM	1	2	3
1:00	0	0	0
2:00	3	2	5
3:00	0	0	0
4:00	1	2	3
5:00	7	3	10
6:00	14	6	20
7:00	39	17	56
8:00	33	21	54
9:00	21	21	42
10:00	27	27	54
11:00	28	31	59
12:00 PM	26	30	56
1:00	25	24	49
2:00	26	26	52
3:00	27	44	71
4:00	29	33	62
5:00	24	35	59
6:00	14	16	30
7:00	14	20	34
8:00	4	19	23
9:00	3	14	17
10:00	4	8	12
11:00	2	2	4
Total	372	403	775
Percent	48.0%	52.0%	
AM Peak	7:00	11:00	11:00
Volume	39	31	59
PM Peak	4:00	3:00	3:00
Volume	29	44	71

Site Code: Martin W 22

Comment 1:

Station ID:

Comment 2:

Location 1:

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 39.040386

Location 4:

Longitude: -122.925438

5/20/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	0	3	3
1:00	0	6	6
2:00	1	1	2
3:00	0	0	0
4:00	3	0	3
5:00	4	0	4
6:00	17	11	28
7:00	42	19	61
8:00	28	22	50
9:00	25	27	52
10:00	27	34	61
11:00	35	27	62
12:00 PM	30	34	64
1:00	34	28	62
2:00	30	31	61
3:00	34	34	68
4:00	21	42	63
5:00	33	43	76
6:00	18	26	44
7:00	16	19	35
8:00	11	20	31
9:00	11	18	29
10:00	2	14	16
11:00	6	8	14
Total	428	467	895
Percent	47.8%	52.2%	
AM Peak	7:00	10:00	11:00
Volume	42	34	62
PM Peak	1:00	5:00	5:00
Volume	34	43	76

Site Code: Martin W 22  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:

Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 39.040386  
 Longitude: -122.925438

5/21/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	3	6	9
1:00	0	1	1
2:00	2	3	5
3:00	1	0	1
4:00	2	1	3
5:00	3	3	6
6:00	7	1	8
7:00	8	7	15
8:00	16	4	20
9:00	17	11	28
10:00	23	19	42
11:00	24	30	54
12:00 PM	33	32	65
1:00	26	19	45
2:00	18	18	36
3:00	14	30	44
4:00	25	20	45
5:00	16	38	54
6:00	16	14	30
7:00	12	15	27
8:00	8	9	17
9:00	2	12	14
10:00	2	9	11
11:00	3	5	8
Total	281	307	588
Percent	47.8%	52.2%	
AM Peak	11:00	11:00	11:00
Volume	24	30	54
PM Peak	12:00 PM	5:00	12:00 PM
Volume	33	38	65

Site Code: Martin W 22  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
Location 4:  
 Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 39.040386  
 Longitude: -122.925438

5/22/2022 Time	A to B, None Specified	B to A, None Specified	Total
12:00 AM	1	4	5
1:00	1	1	2
2:00	2	9	11
3:00	3	0	3
4:00	0	0	0
5:00	2	0	2
6:00	2	3	5
7:00	7	4	11
8:00	10	3	13
9:00	6	5	11
10:00	20	15	35
11:00	26	19	45
12:00 PM	28	22	50
1:00	22	19	41
2:00	20	22	42
3:00	20	22	42
4:00	20	25	45
5:00	18	17	35
6:00	6	9	15
7:00	11	18	29
8:00	8	14	22
9:00	6	13	19
10:00	3	5	8
11:00	4	8	12
Total	246	257	503
Percent	48.9%	51.1%	
AM Peak Volume	11:00	11:00	11:00
PM Peak Volume	12:00 PM	4:00	12:00 PM
	26	19	45
	28	25	50

Site Code: Martin W 22

Comment 1:

Station ID:

Comment 2:

Location 1:

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 39.040386

Location 4:

Longitude: -122.925438

5/23/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	1	2	3
1:00	0	1	1
2:00	1	1	2
3:00	1	3	4
4:00	3	1	4
5:00	7	1	8
6:00	16	4	20
7:00	46	14	60
8:00	29	19	48
9:00	31	33	64
10:00	16	22	38
11:00	27	31	58
12:00 PM	41	31	72
1:00	31	34	65
2:00	25	32	57
3:00	29	49	78
4:00	25	43	68
5:00	32	34	66
6:00	20	30	50
7:00	9	25	34
8:00	6	8	14
9:00	5	10	15
10:00	4	1	5
11:00	1	5	6
Total	406	434	840
Percent	48.3%	51.7%	
AM Peak	7:00	9:00	9:00
Volume	46	33	64
PM Peak	12:00 PM	3:00	3:00
Volume	41	49	78

Site Code: Martin W 22 Comment 1:  
 Station ID: Comment 2:  
 Location 1: Comment 3:  
 Location 2: Comment 4:  
 Location 3: Latitude: 39.040386  
 Location 4: Longitude: -122.925438

Time	A to B, None Specified	B to A, None Specified	Total
12:00 AM	0	0	0
1:00	1	2	3
2:00	1	1	2
3:00	1	2	3
4:00	3	0	3
5:00	6	4	10
6:00	17	5	22
7:00	42	13	55
8:00	25	28	53
9:00	22	16	38
10:00	14	23	37
11:00	24	25	49
12:00 PM	24	33	57
1:00	34	38	72
2:00	35	32	67
3:00	27	37	64
4:00	31	45	76
5:00	26	40	66
6:00	13	21	34
7:00	10	12	22
8:00	9	16	25
9:00	7	9	16
10:00	5	7	12
11:00	3	8	11
Total	380	417	797
Percent	47.7%	52.3%	
AM Peak	7:00	8:00	7:00
Volume	42	28	55
PM Peak	2:00	4:00	4:00
Volume	35	45	76

Site Code: Martin W 22 Comment 1:  
 Station ID: Comment 2:  
 Location 1: Comment 3:  
 Location 2: Comment 4:  
 Location 3: Latitude: 39.040386  
 Location 4: Longitude: -122.925438

5/25/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	2	3	5
1:00	0	3	3
2:00	2	2	4
3:00	0	1	1
4:00	3	0	3
5:00	3	2	5
6:00	24	9	33
7:00	44	10	54
8:00	14	20	34
9:00	*	*	0
10:00	*	*	0
11:00	*	*	0
12:00 PM	*	*	0
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	*	*	0
5:00	*	*	0
6:00	*	*	0
7:00	*	*	0
8:00	*	*	0
9:00	*	*	0
10:00	*	*	0
11:00	*	*	0
Total	92	50	142
Percent	64.8%	35.2%	
AM Peak Volume	7:00	8:00	7:00
PM Peak Volume	44	20	54
Grand Total	4146	4438	8584
Percent ADT	48.3%	51.7%	
		ADT: 727	AADT: 727



## **Appendix B**

- **Site 21**



## SPEED DATA ANALYSIS

### Location



City limits to Bevins  
Latitude: 0.000000  
Longitude: 0.000000

### Analysis Time Period



Start  
6/20/2023  
3:30 PM

End  
6/28/2023  
9:52 AM

### Vehicles Analyzed



5,409

### Speed Limit



35

### Average Speed



34

### 85th Percentile Speed



43

### 10 MPH Pace Speed



33-42

### Peak Time of Violations



6/27/2023  
5:30 PM

### Standard Deviation



8.478

### Enforcement Rating

HIGH



Site Code: 21 Martin Street

Comment 1: Subject of Special site

Review in 2016

Comment 2:

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

Station ID: Site 21

Location 1: City limits to Bevins

Location 2:

Location 3:

Location 4:

6/20/2023 A to B, None B to A, None			Tuesday	Total
Time	Specified	Specified		
12:00 AM	*	*		
1:00	*	*		0
2:00	*	*		0
3:00	*	*		0
4:00	*	*		0
5:00	*	*		0
6:00	*	*		0
7:00	*	*		0
8:00	*	*		0
9:00	*	*		0
10:00	*	*		0
11:00	*	*		0
12:00 PM	*	*		0
1:00	*	*		0
2:00	*	*		0
3:00	5	15		20
4:00	30	35		65
5:00	24	42		66
6:00	17	29		46
7:00	12	21		33
8:00	16	14		30
9:00	7	14		21
10:00	2	9		11
11:00	1	4		5
Total	114	183		297
Percent	38.4%	61.6%		
AM Peak Volume				
PM Peak Volume	4:00	5:00		5:00
	30	42		66

Site Code: 21 Martin Street

Station ID: Site 21

Location 1: City limits to Bevins

Location 2:

Location 3:

Location 4:

Comment 1: Subject of Special site

Review in 2016

Comment 2:

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

6/21/2023	A to B, None Specified	B to A, None Specified	<i>Wednesday</i>	Total
Time				
12:00 AM	2	1		3
1:00	4	0		4
2:00	1	1		2
3:00	1	0		1
4:00	2	2		4
5:00	6	2		8
6:00	17	6		23
7:00	23	10		33
8:00	34	14		48
9:00	22	23		45
10:00	18	16		34
11:00	26	23		49
12:00 PM	24	33		57
1:00	23	32		55
2:00	21	20		41
3:00	31	39		70
4:00	25	33		58
5:00	27	31		58
6:00	18	28		46
7:00	13	20		33
8:00	11	19		30
9:00	14	12		26
10:00	2	11		13
11:00	1	3		4
Total	366	379		745
Percent	49.1%	50.9%		
AM Peak	8:00	9:00		11:00
Volume	34	23		49
PM Peak	3:00	3:00		3:00
Volume	31	39		70

Site Code: 21 Martin Street

Comment 1: Subject of Special site

Review in 2016

Comment 2:

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

Time	A to B, None Specified	B to A, None Specified	<u>Thursday</u>	Total
12:00 AM	1	5		6
1:00	1	0		1
2:00	1	2		3
3:00	0	0		0
4:00	0	0		0
5:00	6	1		7
6:00	15	9		24
7:00	28	8		36
8:00	33	14		47
9:00	19	21		40
10:00	20	18		38
11:00	19	22		41
12:00 PM	30	27		57
1:00	24	23		47
2:00	27	33		60
3:00	24	29		53
4:00	21	27		48
5:00	32	40		72
6:00	16	15		31
7:00	18	26		44
8:00	7	21		28
9:00	9	6		15
10:00	7	10		17
11:00	1	6		7
Total	359	363		722
Percent	49.7%	50.3%		
AM Peak	8:00	11:00		8:00
Volume	33	22		47
PM Peak	5:00	5:00		5:00
Volume	32	40		72

Site Code: 21 Martin Street

Comment 1: Subject of Special site

Review in 2016

Comment 2:

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

Station ID: Site 21

Location 1: City limits to Bevins

Location 2:

Location 3:

Location 4:

6/23/2023	A to B, None Specified	B to A, None Specified	Friday	Total
12:00 AM	2	5		7
1:00	1	2		3
2:00	4	3		7
3:00	1	3		4
4:00	2	0		2
5:00	7	1		8
6:00	12	6		18
7:00	24	10		34
8:00	27	12		39
9:00	22	14		36
10:00	17	29		46
11:00	37	27		64
12:00 PM	24	33		57
1:00	23	29		52
2:00	33	36		69
3:00	37	39		76
4:00	29	41		70
5:00	26	37		63
6:00	16	28		44
7:00	14	14		28
8:00	11	15		26
9:00	5	27		32
10:00	9	8		17
11:00	3	11		14
Total	386	430		816
Percent	47.3%	52.7%		
AM Peak	11:00	10:00		11:00
Volume	37	29		64
PM Peak	3:00	4:00		3:00
Volume	37	41		76

Site Code: 21 Martin Street

Comment 1: Subject of Special site

Review in 2016

Comment 2:

Comment 3:

Comment 4:

Station ID: Site 21

Location 1: City limits to Bevins

Location 2:

Location 3:

Location 4:

Latitude: 0.000000

Longitude: 0.000000

Time	A to B, None Specified	B to A, None Specified	Saturday	Total
12:00 AM	3	0		3
1:00	2	2		4
2:00	1	2		3
3:00	0	2		2
4:00	2	1		3
5:00	0	1		1
6:00	4	5		9
7:00	12	4		16
8:00	19	13		32
9:00	28	16		44
10:00	23	22		45
11:00	19	27		46
12:00 PM	29	29		58
1:00	28	33		61
2:00	21	28		49
3:00	21	28		49
4:00	20	18		38
5:00	24	17		41
6:00	13	14		27
7:00	8	10		18
8:00	9	19		28
9:00	8	9		17
10:00	6	4		10
11:00	2	8		10
Total	302	312		614
Percent	49.2%	50.8%		
AM Peak	9:00	11:00		11:00
Volume	28	27		46
PM Peak	12:00 PM	1:00		1:00
Volume	29	33		61

Site Code: 21 Martin Street

Comment 1: Subject of Special site

Review in 2016

Comment 2:

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

Station ID: Site 21

Location 1: City limits to Bevins

Location 2:

Location 3:

Location 4:

Time	A to B, None Specified	B to A, None Specified	Sunday	Total
12:00 AM	1	3		4
1:00	0	1		1
2:00	1	3		4
3:00	0	0		0
4:00	0	0		0
5:00	0	1		1
6:00	1	1		2
7:00	7	5		12
8:00	17	9		26
9:00	15	13		28
10:00	22	17		39
11:00	27	10		37
12:00 PM	21	24		45
1:00	19	22		41
2:00	22	24		46
3:00	20	15		35
4:00	10	28		38
5:00	16	16		32
6:00	13	16		29
7:00	18	19		37
8:00	7	8		15
9:00	8	6		14
10:00	5	8		13
11:00	4	7		11
Total	254	256		510
Percent	49.8%	50.2%		
AM Peak	11:00	10:00		10:00
Volume	27	17		39
PM Peak	2:00	4:00		2:00
Volume	22	28		46

Site Code: 21 Martin Street

Comment 1: Subject of Special site

Review in 2016

Comment 2:

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

Station ID: Site 21

Location 1: City limits to Bevins

Location 2:

Location 3:

Location 4:

Time	A to B, None Specified	B to A, None Specified	<i>Monday</i>	Total
12:00 AM	1	2		3
1:00	2	5		7
2:00	0	1		1
3:00	0	0		0
4:00	0	0		0
5:00	10	2		12
6:00	15	8		23
7:00	15	11		26
8:00	21	10		31
9:00	29	35		64
10:00	34	23		57
11:00	20	22		42
12:00 PM	35	38		73
1:00	29	26		55
2:00	18	26		44
3:00	38	27		65
4:00	11	28		39
5:00	21	29		50
6:00	12	32		44
7:00	14	13		27
8:00	9	8		17
9:00	4	12		16
10:00	1	6		7
11:00	1	0		1
Total	340	364		704
Percent	48.3%	51.7%		
AM Peak	10:00	9:00		9:00
Volume	34	35		64
PM Peak	3:00	12:00 PM		12:00 PM
Volume	38	38		73

Site Code: 21 Martin Street

Comment 1: Subject of Special site

Review in 2016

Comment 2:

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

Station ID: Site 21

Location 1: City limits to Bevins

Location 2:

Location 3:

Location 4:

6/27/2023	A to B, None Specified	B to A, None Specified	Tuesday	Total
Time				
12:00 AM	2	3		5
1:00	2	1		3
2:00	0	0		0
3:00	3	0		3
4:00	1	1		2
5:00	6	2		8
6:00	15	6		21
7:00	24	8		32
8:00	28	23		51
9:00	32	23		55
10:00	24	31		55
11:00	30	28		58
12:00 PM	25	36		61
1:00	27	20		47
2:00	32	31		63
3:00	34	34		68
4:00	28	28		56
5:00	35	35		70
6:00	20	24		44
7:00	9	12		21
8:00	11	15		26
9:00	11	15		26
10:00	5	8		13
11:00	3	5		8
Total	407	389		796
Percent	51.1%	48.9%		
AM Peak	9:00	10:00		11:00
Volume	32	31		58
PM Peak	5:00	12:00 PM		5:00
Volume	35	36		70

Site Code: 21 Martin Street

Comment 1: Subject of Special site

Review in 2016

Comment 2:

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

Station ID: Site 21

Location 1: City limits to Bevins

Location 2:

Location 3:

Location 4:

Time	A to B, None Specified	B to A, None Specified	Wednesday	Total
12:00 AM	1	4		5
1:00	1	2		3
2:00	2	2		4
3:00	0	0		0
4:00	2	0		2
5:00	13	3		16
6:00	16	9		25
7:00	25	26		51
8:00	29	21		50
9:00	33	18		51
10:00	*	*		0
11:00	*	*		0
12:00 PM	*	*		0
1:00	*	*		0
2:00	*	*		0
3:00	*	*		0
4:00	*	*		0
5:00	*	*		0
6:00	*	*		0
7:00	*	*		0
8:00	*	*		0
9:00	*	*		0
10:00	*	*		0
11:00	*	*		0
Total	122	85		207
Percent	58.9%	41.1%		
AM Peak	9:00	7:00		7:00
Volume	33	26		51
PM Peak				
Volume				
Grand Total	2650	2761		5411
Percent	49.0%	51.0%		
ADT	ADT: 708		AADT: 708	



## **Appendix B**

- **Site 22**



## SPEED DATA ANALYSIS

### Location



Latitude: 0.000000  
Longitude: 0.000000

### Analysis Time Period



Start  
5/25/2022  
11:40 AM

End  
6/3/2022  
9:11 AM

### Vehicles Analyzed



**5,465**

### Speed Limit



**35**

### Average Speed



**27**

### 85th Percentile Speed



**32**

### 10 MPH Pace Speed



**23-32**

### Peak Time of Violations



**5/28/2022  
1:40 PM**

### Standard Deviation



**5.073**

### Enforcement Rating

**LOW**



Site Code: Mellor M 15-16th  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:  
 Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

5/25/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	*	*	0
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	*	*	0
5:00	*	*	0
6:00	*	*	0
7:00	*	*	0
8:00	*	*	0
9:00	*	*	0
10:00	*	*	0
11:00	3	9	12
12:00 PM	22	25	47
1:00	25	22	47
2:00	25	44	69
3:00	29	23	52
4:00	36	25	61
5:00	37	33	70
6:00	26	9	35
7:00	16	10	26
8:00	19	14	33
9:00	4	5	9
10:00	8	13	21
11:00	2	4	6
Total	252	236	488
Percent	51.6%	48.4%	
AM Peak	11:00	11:00	11:00
Volume	3	9	12
PM Peak	5:00	2:00	5:00
Volume	37	44	70

Site Code: Mellor M 15-16th  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:  
 Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

5/26/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	0	0	0
1:00	3	1	4
2:00	1	0	1
3:00	2	3	5
4:00	3	5	8
5:00	5	7	12
6:00	8	16	24
7:00	15	23	38
8:00	13	31	44
9:00	13	16	29
10:00	19	22	41
11:00	17	20	37
12:00 PM	26	23	49
1:00	22	26	48
2:00	17	23	40
3:00	27	18	45
4:00	27	33	60
5:00	24	26	50
6:00	20	27	47
7:00	15	12	27
8:00	16	10	26
9:00	8	10	18
10:00	5	7	12
11:00	3	3	6
Total	309	362	671
Percent	46.1%	53.9%	
AM Peak	10:00	8:00	8:00
Volume	19	31	44
PM Peak	3:00	4:00	4:00
Volume	27	33	60

Site Code: Mellor M 15-16th  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:

Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

5/27/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	1	0	1
1:00	1	2	3
2:00	2	0	2
3:00	2	1	3
4:00	1	2	3
5:00	7	6	13
6:00	6	15	21
7:00	21	25	46
8:00	21	33	54
9:00	12	21	33
10:00	23	30	53
11:00	22	24	46
12:00 PM	31	38	69
1:00	24	31	55
2:00	24	37	61
3:00	28	34	62
4:00	23	26	49
5:00	20	23	43
6:00	23	18	41
7:00	17	10	27
8:00	10	13	23
9:00	12	10	22
10:00	7	9	16
11:00	2	4	6
Total	340	412	752
Percent	45.2%	54.8%	
AM Peak	10:00	8:00	8:00
Volume	23	33	54
PM Peak	12:00 PM	12:00 PM	12:00 PM
Volume	31	38	69

Site Code: Mellor M 15-16th  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:

Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

5/28/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	1	0	1
1:00	2	2	4
2:00	3	1	4
3:00	0	1	1
4:00	1	1	2
5:00	6	6	12
6:00	5	5	10
7:00	5	10	15
8:00	13	16	29
9:00	22	24	46
10:00	21	18	39
11:00	19	25	44
12:00 PM	29	23	52
1:00	37	24	61
2:00	28	27	55
3:00	15	21	36
4:00	10	11	21
5:00	16	10	26
6:00	17	13	30
7:00	14	12	26
8:00	9	10	19
9:00	14	5	19
10:00	5	9	14
11:00	3	2	5
Total	295	276	571
Percent	51.7%	48.3%	
AM Peak	9:00	11:00	9:00
Volume	22	25	46
PM Peak	1:00	2:00	1:00
Volume	37	27	61

Site Code: Mellor M 15-16th

Station ID:

Comment 1:

Location 1:

Comment 2:

Location 2:

Comment 3:

Location 3:

Comment 4:

Location 4:

Latitude: 0.000000

Longitude: 0.000000

5/29/2022	A to B, None Specified	B to A, None Specified	Total
12:00 AM	0	3	3
1:00	1	0	1
2:00	2	0	2
3:00	2	0	2
4:00	0	1	1
5:00	3	1	4
6:00	2	5	7
7:00	2	3	5
8:00	11	11	22
9:00	23	17	40
10:00	15	15	30
11:00	20	19	39
12:00 PM	16	36	52
1:00	28	24	52
2:00	16	26	42
3:00	11	9	20
4:00	11	6	17
5:00	7	11	18
6:00	13	12	25
7:00	18	14	32
8:00	8	7	15
9:00	11	8	19
10:00	3	7	10
11:00	1	4	5
Total	224	239	463
Percent	48.4%	51.6%	
AM Peak	9:00	11:00	9:00
Volume	23	19	40
PM Peak	1:00	12:00 PM	12:00 PM
Volume	28	36	52

Site Code: Mellor M 15-16th  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:  
 Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

5/30/2022	A to B, None Specified	B to A, None Specified	Total
12:00 AM	3	0	3
1:00	0	0	0
2:00	0	0	0
3:00	1	1	2
4:00	1	1	2
5:00	5	2	7
6:00	2	5	7
7:00	4	9	13
8:00	8	8	16
9:00	14	19	33
10:00	17	17	34
11:00	18	20	38
12:00 PM	18	26	44
1:00	29	23	52
2:00	21	22	43
3:00	21	12	33
4:00	9	12	21
5:00	17	17	34
6:00	13	6	19
7:00	9	12	21
8:00	10	11	21
9:00	14	5	19
10:00	1	7	8
11:00	1	0	1
Total	236	235	471
Percent	50.1%	49.9%	
AM Peak	11:00	11:00	11:00
Volume	18	20	38
PM Peak	1:00	12:00 PM	1:00
Volume	29	26	52

Site Code: Mellor M 15-16th  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:  
 Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

5/31/2022 Time	A to B, None Specified	B to A, None Specified	Total
12:00 AM	0	0	0
1:00	1	1	2
2:00	1	1	2
3:00	1	3	4
4:00	0	5	5
5:00	6	9	15
6:00	8	18	26
7:00	8	31	39
8:00	16	21	37
9:00	21	22	43
10:00	19	25	44
11:00	22	17	39
12:00 PM	24	31	55
1:00	25	19	44
2:00	26	36	62
3:00	20	16	36
4:00	23	23	46
5:00	29	21	50
6:00	17	20	37
7:00	12	9	21
8:00	5	5	10
9:00	6	7	13
10:00	6	6	12
11:00	0	0	0
Total	296	346	642
Percent	46.1%	53.9%	
AM Peak Volume	11:00	7:00	10:00
PM Peak Volume	5:00	2:00	2:00
	29	36	62

Site Code: Mellor M 15-16th

Comment 1:

Comment 2:

Comment 3:

Comment 4:

Station ID:

Location 1:

Location 2:

Location 3:

Location 4:

Latitude: 0.000000

Longitude: 0.000000

6/1/2022 Time	A to B, None Specified	B to A, None Specified	Total
12:00 AM	0	1	1
1:00	0	2	2
2:00	1	0	1
3:00	2	1	3
4:00	0	3	3
5:00	5	7	12
6:00	13	10	23
7:00	13	34	47
8:00	17	20	37
9:00	16	24	40
10:00	11	14	25
11:00	20	22	42
12:00 PM	24	20	44
1:00	21	24	45
2:00	27	25	52
3:00	25	24	49
4:00	26	22	48
5:00	32	26	58
6:00	21	13	34
7:00	19	11	30
8:00	10	13	23
9:00	6	4	10
10:00	1	8	9
11:00	3	1	4
Total	313	329	642
Percent	48.8%	51.2%	
AM Peak	11:00	7:00	7:00
Volume	20	34	47
PM Peak	5:00	5:00	5:00
Volume	32	26	58

Site Code: Mellor M 15-16th  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:  
 Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

6/2/2022 Time	A to B, None Specified	B to A, None Specified	Total
12:00 AM	2	1	3
1:00	0	1	1
2:00	0	0	0
3:00	3	4	7
4:00	0	1	1
5:00	5	7	12
6:00	10	13	23
7:00	8	28	36
8:00	18	20	38
9:00	18	20	38
10:00	16	20	36
11:00	15	14	29
12:00 PM	18	16	34
1:00	27	23	50
2:00	25	31	56
3:00	25	22	47
4:00	29	29	58
5:00	27	24	51
6:00	15	14	29
7:00	14	11	25
8:00	8	9	17
9:00	8	7	15
10:00	2	9	11
11:00	3	0	3
Total	296	324	620
Percent	47.7%	52.3%	
AM Peak Volume	8:00	7:00	8:00
PM Peak Volume	4:00	2:00	4:00
	29	31	58

Site Code: Mellor M 15-16th  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:  
 Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

6/3/2022	A to B, None Time Specified	B to A, None Specified	Total
12:00 AM	5	0	5
1:00	1	1	2
2:00	0	0	0
3:00	2	2	4
4:00	3	4	7
5:00	7	11	18
6:00	7	16	23
7:00	13	31	44
8:00	12	23	35
9:00	5	4	9
10:00	*	*	0
11:00	*	*	0
12:00 PM	*	*	0
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	*	*	0
5:00	*	*	0
6:00	*	*	0
7:00	*	*	0
8:00	*	*	0
9:00	*	*	0
10:00	*	*	0
11:00	*	*	0
Total	55	92	147
Percent	37.4%	62.6%	
AM Peak	7:00	7:00	7:00
Volume	13	31	44
PM Peak			
Volume			
Grand Total	2616	2851	5467
Percent	47.9%	52.1%	
ADT	ADT: 612	AADT: 612	

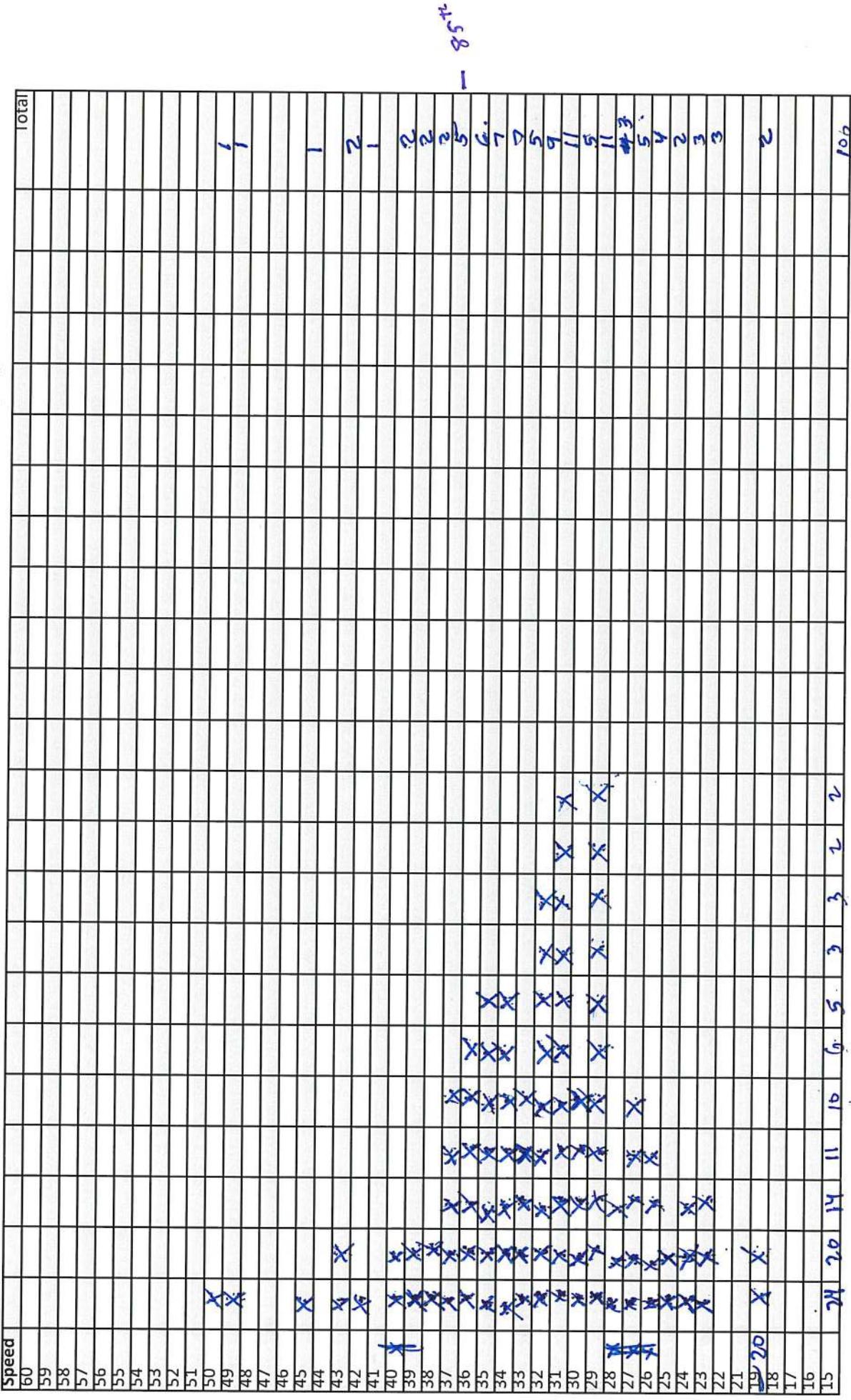
## **Appendix B**

- **Site 23**



Lakeport Spot Speeds - 2023  
Study # 23 Street: Parallel Dr (n. of Craig)

Date: 8/9/23 1139 am - 12:35 pm



85th p = .37  
Page 28-37



23

Site Code: 24:Parallel Drive

Comment 1: Old City Limits to

Lakeport Blvd.

Comment 2:

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

Station ID: Site 24

Location 1:

Location 2:

Location 3:

Location 4:

5/23/2023	A to B, None Specified	B to A, None Specified	Tuesday	Total
12:00 AM	*	*		0
1:00	*	*		0
2:00	*	*		0
3:00	*	*		0
4:00	*	*		0
5:00	*	*		0
6:00	*	*		0
7:00	*	*		0
8:00	*	*		0
9:00	*	*		0
10:00	15	6		21
11:00	42	57		99
12:00 PM	61	64		125
1:00	44	54		98
2:00	53	45		98
3:00	55	53		108
4:00	58	49		107
5:00	66	59		125
6:00	46	48		94
7:00	23	37		60
8:00	21	37		58
9:00	7	20		27
10:00	6	9		15
11:00	2	5		7
Total	499	543		1042
Percent	47.9%	52.1%		
AM Peak	11:00	11:00		11:00
Volume	42	57		99
PM Peak	5:00	12:00 PM		12:00 PM
Volume	66	64		125

Site Code: 24 Parallel Drive

Comment 1: Old City Limits to

Lakeport Blvd.

Comment 2:

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

Station ID: Site 24

Location 1:

Location 2:

Location 3:

Location 4:

5/24/2023	A to B, None Specified	B to A, None Specified	Wednesday	Total
12:00 AM	1	4		5
1:00	0	0		0
2:00	1	1		2
3:00	1	3		4
4:00	1	1		2
5:00	3	3		6
6:00	14	12		26
7:00	56	18		74
8:00	55	31		86
9:00	42	36		78
10:00	61	48		109
11:00	42	54		96
12:00 PM	61	57		118
1:00	63	50		113
2:00	35	44		79
3:00	48	46		94
4:00	57	56		113
5:00	64	53		117
6:00	43	44		87
7:00	24	57		81
8:00	28	30		58
9:00	7	18		25
10:00	6	5		11
11:00	0	4		4
Total	713	675		1388
Percent	51.4%	48.6%		
AM Peak	10:00	11:00		10:00
Volume	61	54		109
PM Peak	5:00	12:00 PM		12:00 PM
Volume	64	57		118

Site Code: 24 Parallel Drive

Comment 1: Old City Limits to

Lakeport Blvd.

Comment 2:

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

5/25/2023	A to B, None Specified	B to A, None Specified	Thursday	Total
12:00 AM	2	3		5
1:00	3	1		4
2:00	2	1		3
3:00	0	2		2
4:00	1	2		3
5:00	4	4		8
6:00	15	10		25
7:00	46	31		77
8:00	45	31		76
9:00	53	39		92
10:00	52	45		97
11:00	44	46		90
12:00 PM	59	63		122
1:00	36	31		67
2:00	56	52		108
3:00	54	39		93
4:00	58	56		114
5:00	64	58		122
6:00	38	39		77
7:00	26	20		46
8:00	13	24		37
9:00	11	17		28
10:00	6	5		11
11:00	0	5		5
Total	688	624		1312
Percent	52.4%	47.6%		
AM Peak	9:00	11:00		10:00
Volume	53	46		97
PM Peak	5:00	12:00 PM		12:00 PM
Volume	64	63		122

Site Code: 24 Parallel Drive

Comment 1: Old City Limits to

Lakeport Blvd.

Comment 2:

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

Station ID: Site 24

Location 1:

Location 2:

Location 3:

Location 4:

5/26/2023	A to B, None Specified	B to A, None Specified	Friday	Total
12:00 AM	2	1		3
1:00	1	1		2
2:00	2	0		2
3:00	0	1		1
4:00	2	3		5
5:00	4	3		7
6:00	10	12		22
7:00	47	17		64
8:00	48	30		78
9:00	40	33		73
10:00	60	38		98
11:00	56	51		107
12:00 PM	54	73		127
1:00	50	61		111
2:00	64	64		128
3:00	49	52		101
4:00	41	42		83
5:00	59	56		115
6:00	31	33		64
7:00	23	28		51
8:00	18	27		45
9:00	10	25		35
10:00	5	20		25
11:00	4	5		9
Total	680	676		1356
Percent	50.1%	49.9%		
AM Peak	10:00	11:00		11:00
Volume	60	51		107
PM Peak	2:00	12:00 PM		2:00
Volume	64	73		128

Site Code: 24 Parallel Drive

Comment 1: Old City Limits to

Lakeport Blvd.

Comment 2:

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

Station ID: Site 24

Location 1:

Location 2:

Location 3:

Location 4:

5/27/2023	A to B, None Specified	B to A, None Specified	Saturday	Total
12:00 AM	1	4		5
1:00	2	1		3
2:00	0	1		1
3:00	2	1		3
4:00	1	1		2
5:00	3	1		4
6:00	11	11		22
7:00	13	16		29
8:00	20	22		42
9:00	29	24		53
10:00	30	37		67
11:00	39	46		85
12:00 PM	33	48		81
1:00	35	40		75
2:00	26	37		63
3:00	27	35		62
4:00	36	29		65
5:00	27	29		56
6:00	25	19		44
7:00	19	23		42
8:00	13	25		38
9:00	7	14		21
10:00	10	15		25
11:00	3	10		13
Total	412	489		901
Percent	45.7%	54.3%		
AM Peak	11:00	11:00		11:00
Volume	39	46		85
PM Peak	4:00	12:00 PM		12:00 PM
Volume	36	48		81

Site Code: 24 Parallel Drive

Comment 1: Old City Limits to  
Lakeport Blvd.  
Comment 2:  
Comment 3:  
Comment 4:  
Latitude: 0.000000  
Longitude: 0.000000

Station ID: Site 24

Location 1:

Location 2:

Location 3:

Location 4:

5/28/2023	A to B, None Specified	B to A, None Specified	Sunday	Total
12:00 AM	4	2		6
1:00	1	0		1
2:00	1	0		1
3:00	0	1		1
4:00	1	0		1
5:00	1	1		1
6:00	4	6		2
7:00	12	2		10
8:00	16	16		32
9:00	20	17		37
10:00	25	24		49
11:00	17	25		42
12:00 PM	*	*		0
1:00	*	*		0
2:00	*	*		0
3:00	*	*		0
4:00	*	*		0
5:00	*	*		0
6:00	*	*		0
7:00	*	*		0
8:00	*	*		0
9:00	*	*		0
10:00	*	*		0
11:00	*	*		0
Total	102	94		196
Percent	52.0%	48.0%		
AM Peak Volume	10:00	11:00		10:00
PM Peak Volume	25	25		49
Grand Total	3094	3101		6195
Percent ADT	49.9%	50.1%	ADT: 1,208	

## **Appendix B**

- **Site 24**



Lakeport Spot Speeds - 2023  
Parallel Old Cl - Lakeport  
Study # 24

Date: 8/9/23 1:05pm - 2:20pm

Date:

Parallel Old Cl - Lakeport Bu

45

Pace 31 - 40



Site Code: 24 Parallel Dr  
 Station ID: Site 24  
 Location 1: Old City Limits to Lakeport Blvd.  
 Location 2:  
 Location 3:  
 Location 4:

Comment 1: north of SL 35 sign  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

7/9/2023	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	1	2	3
1:00	1	1	2
2:00	2	1	3
3:00	0	0	0
4:00	0	0	0
5:00	4	1	5
6:00	4	3	7
7:00	8	8	16
8:00	10	8	18
9:00	23	13	36
10:00	20	25	45
11:00	22	11	33
12:00 PM	32	30	62
1:00	24	25	49
2:00	16	22	38
3:00	18	24	42
4:00	27	27	54
5:00	23	26	49
6:00	18	29	47
7:00	15	19	34
8:00	21	18	39
9:00	10	10	20
10:00	7	10	17
11:00	4	3	7
Total	310	316	626
Percent	49.5%	50.5%	
AM Peak	9:00	10:00	10:00
Volume	23	25	45
PM Peak	12:00 PM	12:00 PM	12:00 PM
Volume	32	30	62

Site Code: 24 Parallel Dr  
 Station ID: Site 24  
 Location 1: Old City Limits to Lakeport Blvd.  
 Location 2:  
 Location 3:  
 Location 4:

Comment 1: north of SL 35 sign  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

7/10/2023	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	1	2	3
1:00	0	1	1
2:00	3	1	4
3:00	1	2	3
4:00	2	4	6
5:00	3	5	8
6:00	12	7	19
7:00	40	34	74
8:00	44	40	84
9:00	48	57	105
10:00	66	47	113
11:00	56	67	123
12:00 PM	61	63	124
1:00	59	60	119
2:00	51	55	106
3:00	56	48	104
4:00	60	49	109
5:00	39	49	88
6:00	25	32	57
7:00	20	28	48
8:00	18	21	39
9:00	8	12	20
10:00	7	4	11
11:00	3	9	12
Total	683	697	1380
Percent	49.5%	50.5%	
AM Peak	10:00	11:00	11:00
Volume	66	67	123
PM Peak	12:00 PM	12:00 PM	12:00 PM
Volume	61	63	124

Site Code: 24 Parallel Dr  
 Station ID: Site 24  
 Location 1: Old City Limits to Lakeport Blvd.  
 Location 2:  
 Location 3:  
 Location 4:

Comment 1: north of SL 35 sign  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

7/11/2023	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	2	2	4
1:00	1	1	2
2:00	2	2	4
3:00	1	2	3
4:00	1	4	5
5:00	3	4	7
6:00	16	11	27
7:00	38	42	80
8:00	47	39	86
9:00	47	47	94
10:00	68	56	124
11:00	66	63	129
12:00 PM	76	64	140
1:00	68	52	120
2:00	60	58	118
3:00	41	47	88
4:00	70	46	116
5:00	49	56	105
6:00	29	42	71
7:00	27	24	51
8:00	17	21	38
9:00	7	13	20
10:00	8	6	14
11:00	1	3	4
Total	745	705	1450
Percent	51.4%	48.6%	
AM Peak	10:00	11:00	11:00
Volume	68	63	129
PM Peak	12:00 PM	12:00 PM	12:00 PM
Volume	76	64	140

Site Code: 24 Parallel Dr  
 Station ID: Site 24  
 Location 1: Old City Limits to Lakeport Blvd.  
 Location 2:  
 Location 3:  
 Location 4:

Comment 1: north of SL 35 sign  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

7/12/2023	A to B, None Specified	B to A, None Specified	Total
12:00 AM	1	2	3
1:00	1	3	4
2:00	1	1	2
3:00	2	2	4
4:00	1	2	3
5:00	3	4	7
6:00	18	10	28
7:00	37	43	80
8:00	57	46	103
9:00	39	52	91
10:00	57	45	102
11:00	66	54	120
12:00 PM	60	60	120
1:00	69	74	143
2:00	69	41	110
3:00	52	52	104
4:00	69	53	122
5:00	53	46	99
6:00	31	46	77
7:00	34	35	69
8:00	19	21	40
9:00	18	19	37
10:00	6	13	19
11:00	4	8	12
Total	767	732	1499
Percent	51.2%	48.8%	
AM Peak	11:00	11:00	11:00
Volume	66	54	120
PM Peak	1:00	1:00	1:00
Volume	69	74	143

Site Code: 24 Parallel Dr  
 Station ID: Site 24  
 Location 1: Old City Limits to Lakeport Blvd.  
 Location 2:  
 Location 3:  
 Location 4:

Comment 1: north of SL 35 sign  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

7/13/2023	A to B, None Specified	B to A, None Specified	Total
12:00 AM	2	3	5
1:00	0	1	1
2:00	1	1	2
3:00	1	5	6
4:00	2	2	4
5:00	5	4	9
6:00	14	11	25
7:00	43	47	90
8:00	52	34	86
9:00	47	38	85
10:00	51	39	90
11:00	28	35	63
12:00 PM	*	*	0
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	*	*	0
5:00	*	*	0
6:00	*	*	0
7:00	*	*	0
8:00	*	*	0
9:00	*	*	0
10:00	*	*	0
11:00	*	*	0
Total	246	220	466
Percent	52.8%	47.2%	
AM Peak	8:00	7:00	7:00
Volume	52	47	90
PM Peak			
Volume			
Grand Total	3060	3061	6121
Percent	50.0%	50.0%	
ADT	ADT: 1,174		AADT: 1,174



## **Appendix B**

- **Site 25**



Lakeport Spot Speeds - 2023  
Study # 25 Street: Parallel Dr.

Date: 8/9/23 3:00pm - 4:10pm

Date:

Parallel Dr.

Street:

Speed	total	160
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		
19		
18		
17		
16	20 19 15 14 9 9 6 5 2 1	
15		

$$\text{Pace } 43 - 52 \\ \text{85m } \rho = 5.3$$



Site Code: Parallel SR175-OldCL Comment 1:  
 Station ID: Comment 2:  
 Location 1: Comment 3:  
 Location 2: Comment 4:  
 Location 3:  
 Location 4: Latitude: 0.000000  
 Longitude: 0.000000

10/19/2022	A to B, None	B to A, None	
Time	Specified	Specified	Total
12:00 AM	*	*	0
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	*	*	0
5:00	*	*	0
6:00	*	*	0
7:00	*	*	0
8:00	*	*	0
9:00	*	*	0
10:00	*	*	0
11:00	*	*	0
12:00 PM	*	*	0
1:00	31	47	78
2:00	48	53	101
3:00	43	52	95
4:00	53	41	94
5:00	47	81	128
6:00	32	41	73
7:00	47	28	75
8:00	19	24	43
9:00	10	10	20
10:00	4	8	12
11:00	1	4	5
Total	335	389	724
Percent	46.3%	53.7%	
AM Peak Volume			
PM Peak Volume	4:00	5:00	5:00
	53	81	128

Site Code: Parallel SR175-OldCL Comment 1:  
 Station ID: Comment 2:  
 Location 1: Comment 3:  
 Location 2: Comment 4:  
 Location 3:  
 Location 4: Latitude: 0.000000  
 Longitude: 0.000000

10/20/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	1	4	5
1:00	0	0	0
2:00	2	1	3
3:00	1	2	3
4:00	1	0	1
5:00	7	7	14
6:00	11	14	25
7:00	56	18	74
8:00	55	33	88
9:00	41	34	75
10:00	47	41	88
11:00	50	42	92
12:00 PM	38	53	91
1:00	54	53	107
2:00	41	60	101
3:00	58	53	111
4:00	44	57	101
5:00	37	56	93
6:00	35	42	77
7:00	26	37	63
8:00	15	19	34
9:00	9	14	23
10:00	5	9	14
11:00	4	0	4
Total	638	649	1287
Percent	49.6%	50.4%	
AM Peak	7:00	11:00	11:00
Volume	56	42	92
PM Peak	3:00	2:00	3:00
Volume	58	60	111

Site Code: Parallel SR175-OldCL

Comment 1:

Station ID:

Comment 2:

Location 1:

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

10/21/2022	A to B, None Specified	B to A, None Specified	Total
12:00 AM	0	1	1
1:00	3	2	5
2:00	1	1	2
3:00	0	2	2
4:00	3	0	3
5:00	4	6	10
6:00	7	13	20
7:00	34	12	46
8:00	57	43	100
9:00	38	42	80
10:00	44	40	84
11:00	56	63	119
12:00 PM	63	71	134
1:00	53	51	104
2:00	62	54	116
3:00	61	59	120
4:00	60	54	114
5:00	40	45	85
6:00	28	33	61
7:00	19	27	46
8:00	13	13	26
9:00	13	18	31
10:00	5	14	19
11:00	3	4	7
Total	667	668	1335
Percent	50.0%	50.0%	
AM Peak	8:00	11:00	11:00
Volume	57	63	119
PM Peak	12:00 PM	12:00 PM	12:00 PM
Volume	63	71	134

Site Code: Parallel SR175-OldCL  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:  
 Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

10/22/2022 Time	A to B, None Specified	B to A, None Specified	Total
12:00 AM	2	1	3
1:00	4	2	6
2:00	0	3	3
3:00	1	0	1
4:00	2	1	3
5:00	3	3	6
6:00	3	5	8
7:00	12	11	23
8:00	38	20	58
9:00	65	27	92
10:00	53	44	97
11:00	63	55	118
12:00 PM	34	52	86
1:00	43	47	90
2:00	27	43	70
3:00	33	31	64
4:00	31	31	62
5:00	33	28	61
6:00	30	28	58
7:00	21	34	55
8:00	12	22	34
9:00	3	21	24
10:00	4	12	16
11:00	3	7	10
Total	520	528	1048
Percent	49.6%	50.4%	
AM Peak	9:00	11:00	11:00
Volume	65	55	118
PM Peak	1:00	12:00 PM	1:00
Volume	43	52	90

Site Code: Parallel SR175-OldCL  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:  
 Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

10/23/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	0	4	4
1:00	1	1	2
2:00	0	0	0
3:00	0	2	2
4:00	2	3	5
5:00	3	1	4
6:00	5	3	8
7:00	8	5	13
8:00	8	14	22
9:00	15	12	27
10:00	25	18	43
11:00	23	25	48
12:00 PM	33	27	60
1:00	32	27	59
2:00	30	42	72
3:00	28	32	60
4:00	28	31	59
5:00	21	19	40
6:00	24	20	44
7:00	12	30	42
8:00	10	15	25
9:00	13	8	21
10:00	4	5	9
11:00	2	0	2
Total	327	344	671
Percent	48.7%	51.3%	
AM Peak	10:00	11:00	11:00
Volume	25	25	48
PM Peak	12:00 PM	2:00	2:00
Volume	33	42	72

Site Code: Parallel SR175-OldCL Comment 1:  
 Station ID: Comment 2:  
 Location 1: Comment 3:  
 Location 2: Comment 4:  
 Location 3:  
 Location 4: Latitude: 0.000000  
 Longitude: 0.000000

Time	A to B, None Specified	B to A, None Specified	Total
12:00 AM	3	1	4
1:00	1	1	2
2:00	2	2	4
3:00	0	1	1
4:00	1	1	2
5:00	4	4	8
6:00	11	11	22
7:00	46	25	71
8:00	47	34	81
9:00	43	33	76
10:00	45	50	95
11:00	52	38	90
12:00 PM	52	56	108
1:00	47	54	101
2:00	43	40	83
3:00	53	54	107
4:00	49	55	104
5:00	45	66	111
6:00	30	55	85
7:00	31	27	58
8:00	21	17	38
9:00	9	6	15
10:00	1	5	6
11:00	1	3	4
Total	637	639	1276
Percent	49.9%	50.1%	
AM Peak	11:00	10:00	10:00
Volume	52	50	95
PM Peak	3:00	5:00	5:00
Volume	53	66	111

Site Code: Parallel SR175-OldCL

Comment 1:

Station ID:

Comment 2:

Location 1:

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

10/25/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	1	1	2
1:00	0	0	0
2:00	2	1	3
3:00	0	1	1
4:00	2	1	3
5:00	6	5	11
6:00	9	7	16
7:00	46	25	71
8:00	53	43	96
9:00	44	39	83
10:00	58	44	102
11:00	43	45	88
12:00 PM	66	52	118
1:00	25	49	74
2:00	57	50	107
3:00	46	62	108
4:00	52	49	101
5:00	53	65	118
6:00	19	32	51
7:00	15	27	42
8:00	21	23	44
9:00	11	12	23
10:00	4	5	9
11:00	1	3	4
Total	634	641	1275
Percent	49.7%	50.3%	
AM Peak	10:00	11:00	10:00
Volume	58	45	102
PM Peak	12:00 PM	5:00	12:00 PM
Volume	66	65	118

Site Code: Parallel SR175-OldCL Comment 1:  
 Station ID: Comment 2:  
 Location 1: Comment 3:  
 Location 2: Comment 4:  
 Location 3:  
 Location 4: Latitude: 0.000000  
 Longitude: 0.000000

10/26/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	0	1	1
1:00	0	0	0
2:00	1	1	2
3:00	0	0	0
4:00	2	1	3
5:00	7	7	14
6:00	7	12	19
7:00	47	22	69
8:00	77	28	105
9:00	49	42	91
10:00	12	11	23
11:00	*	*	0
12:00 PM	*	*	0
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	*	*	0
5:00	*	*	0
6:00	*	*	0
7:00	*	*	0
8:00	*	*	0
9:00	*	*	0
10:00	*	*	0
11:00	*	*	0
Total	202	125	327
Percent	61.8%	38.2%	
AM Peak	8:00	9:00	8:00
Volume	77	42	105
PM Peak			
Volume			
Grand Total	3960	3983	7943
Percent	49.9%	50.1%	
ADT	ADT: 1,162		AADT: 1,162

## **Appendix B**

- **Site 26**



## SPEED DATA ANALYSIS

### Location



Latitude: 38.861231  
Longitude: -95.741185

### Analysis Time Period



Start  
5/19/2022  
10:48 AM

End  
5/25/2022  
12:06 PM

### Vehicles Analyzed



2,107

### Speed Limit



35

### Average Speed



21

### 85th Percentile Speed



26

### 10 MPH Pace Speed



17-26

### Peak Time of Violations



5/20/2022  
4:48 PM

### Standard Deviation



4.925

### Enforcement Rating

LOW



Site Code: 6th Street  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:  
 Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 38.861231  
 Longitude: -95.741185

5/19/2022	A to B, None Specified	B to A, None Specified	
Time			Total
12:00 AM	*	*	0
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	*	*	0
5:00	*	*	0
6:00	*	*	0
7:00	*	*	0
8:00	*	*	0
9:00	*	*	0
10:00	0	2	2
11:00	12	13	25
12:00 PM	13	16	29
1:00	19	14	33
2:00	13	11	24
3:00	7	9	16
4:00	18	21	39
5:00	18	19	37
6:00	7	12	19
7:00	4	3	7
8:00	6	7	13
9:00	4	1	5
10:00	1	2	3
11:00	1	0	1
Total	123	130	253
Percent	48.6%	51.4%	
AM Peak	11:00	11:00	11:00
Volume	12	13	25
PM Peak	1:00	4:00	4:00
Volume	19	21	39

Site Code: 6th Street

Comment 1:

Station ID:

Comment 2:

Location 1:

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 38.861231

Location 4:

Longitude: -95.741185

5/20/2022	A to B, None Specified	B to A, None Specified	Total
12:00 AM	0	2	2
1:00	2	0	2
2:00	0	1	1
3:00	0	0	0
4:00	0	0	0
5:00	3	1	4
6:00	5	1	6
7:00	10	2	12
8:00	14	8	22
9:00	11	11	22
10:00	13	10	23
11:00	13	18	31
12:00 PM	15	15	30
1:00	21	14	35
2:00	19	13	32
3:00	16	12	28
4:00	17	19	36
5:00	13	19	32
6:00	12	10	22
7:00	7	9	16
8:00	8	10	18
9:00	9	10	19
10:00	3	2	5
11:00	4	1	5
Total	215	188	403
Percent	53.3%	46.7%	
AM Peak	8:00	11:00	11:00
Volume	14	18	31
PM Peak	1:00	4:00	4:00
Volume	21	19	36

Site Code: 6th Street  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:  
 Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 38.861231  
 Longitude: -95.741185

5/21/2022 Time	A to B, None Specified	B to A, None Specified	Total
12:00 AM	1	0	1
1:00	0	2	2
2:00	0	1	1
3:00	1	1	2
4:00	0	0	0
5:00	0	0	0
6:00	2	0	2
7:00	5	7	12
8:00	5	4	9
9:00	15	7	22
10:00	17	8	25
11:00	17	11	28
12:00 PM	17	17	34
1:00	16	18	34
2:00	10	17	27
3:00	13	5	18
4:00	10	9	19
5:00	14	12	26
6:00	11	12	23
7:00	3	7	10
8:00	8	7	15
9:00	2	6	8
10:00	1	3	4
11:00	3	1	4
Total	171	155	326
Percent	52.5%	47.5%	
AM Peak Volume	10:00	11:00	11:00
PM Peak Volume	12:00 PM	1:00	12:00 PM
	17	18	34

Site Code: 6th Street

Comment 1:

Station ID:

Comment 2:

Location 1:

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 38.861231

Location 4:

Longitude: -95.741185

5/22/2022	A to B, None Specified	B to A, None Specified	Total
12:00 AM	1	0	1
1:00	0	0	0
2:00	0	1	1
3:00	0	1	1
4:00	1	1	2
5:00	0	0	0
6:00	3	0	3
7:00	1	1	2
8:00	7	2	9
9:00	6	7	13
10:00	4	4	8
11:00	7	9	16
12:00 PM	13	13	26
1:00	10	14	24
2:00	17	11	28
3:00	8	7	15
4:00	14	10	24
5:00	14	11	25
6:00	6	9	15
7:00	7	2	9
8:00	7	6	13
9:00	3	3	6
10:00	1	0	1
11:00	0	0	0
Total	130	112	242
Percent	53.7%	46.3%	
AM Peak	8:00	11:00	11:00
Volume	7	9	16
PM Peak	2:00	1:00	2:00
Volume	17	14	28

Site Code: 6th Street  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:  
 Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 38.861231  
 Longitude: -95.741185

Time	A to B, None Specified	B to A, None Specified	Total
12:00 AM	1	0	1
1:00	1	0	1
2:00	0	1	1
3:00	0	0	0
4:00	0	0	0
5:00	0	0	0
6:00	5	0	5
7:00	11	8	19
8:00	13	9	22
9:00	11	8	19
10:00	9	15	24
11:00	20	15	35
12:00 PM	17	9	26
1:00	19	10	29
2:00	15	14	29
3:00	8	12	20
4:00	10	20	30
5:00	19	16	35
6:00	10	11	21
7:00	5	10	15
8:00	5	10	15
9:00	1	3	4
10:00	0	2	2
11:00	1	0	1
Total	181	173	354
Percent	51.1%	48.9%	
AM Peak	11:00	10:00	11:00
Volume	20	15	35
PM Peak	1:00	4:00	5:00
Volume	19	20	35

Site Code: 6th Street

Comment 1:

Station ID:

Comment 2:

Location 1:

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 38.861231

Location 4:

Longitude: -95.741185

5/24/2022 Time	A to B, None Specified	B to A, None Specified	Total
12:00 AM	2	2	4
1:00	0	0	0
2:00	1	0	1
3:00	0	1	1
4:00	0	0	0
5:00	0	0	0
6:00	4	3	7
7:00	10	8	18
8:00	16	7	23
9:00	11	15	26
10:00	20	10	30
11:00	17	14	31
12:00 PM	13	22	35
1:00	14	14	28
2:00	20	14	34
3:00	19	15	34
4:00	10	16	26
5:00	11	15	26
6:00	8	9	17
7:00	1	2	3
8:00	9	3	12
9:00	6	8	14
10:00	3	0	3
11:00	1	3	4
Total	196	181	377
Percent	52.0%	48.0%	
AM Peak	10:00	9:00	11:00
Volume	20	15	31
PM Peak	2:00	12:00 PM	12:00 PM
Volume	20	22	35

Site Code: 6th Street  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:  
 Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 38.861231  
 Longitude: -95.741185

5/25/2022	A to B, None Specified	B to A, None Specified	
Time			Total
12:00 AM	3	2	5
1:00	0	0	0
2:00	1	1	2
3:00	0	0	0
4:00	0	0	0
5:00	0	0	0
6:00	7	6	13
7:00	9	8	17
8:00	17	10	27
9:00	12	13	25
10:00	13	15	28
11:00	17	13	30
12:00 PM	3	3	6
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	*	*	0
5:00	*	*	0
6:00	*	*	0
7:00	*	*	0
8:00	*	*	0
9:00	*	*	0
10:00	*	*	0
11:00	*	*	0
Total	82	71	153
Percent	53.6%	46.4%	
AM Peak	8:00	10:00	11:00
Volume	17	15	30
PM Peak	12:00 PM	12:00 PM	12:00 PM
Volume	3	3	6
Grand Total	1098	1010	2108
Percent	52.1%	47.9%	
ADT	ADT: 339	AADT: 339	



## **Appendix B**

### **• Site 27**



# SPEED DATA ANALYSIS

## Location



Pool to Main Street  
Latitude: 0.000000  
Longitude: 0.000000

## Analysis Time Period



Start  
6/8/2023  
11:42 AM

End  
6/14/2023  
7:06 AM

## Vehicles Analyzed



**38,856**

## Speed Limit



**35**

## Average Speed



**31**

## 85th Percentile Speed



**35**

## 10 MPH Pace Speed



**27-36**

## Peak Time of Violations



**6/12/2023  
5:42 PM**

## Standard Deviation



**5.491**

## Enforcement Rating

**MEDIUM**



Site Code: 7 11th Street

Comment 1: Location Between N

Tunis & N Bush

Comment 2:

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

6/8/2023	A to B, None Specified	B to A, None Specified	Total
12:00 AM	*	*	
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	*	*	0
5:00	*	*	0
6:00	*	*	0
7:00	*	*	0
8:00	*	*	0
9:00	*	*	0
10:00	*	*	0
11:00	91	73	164
12:00 PM	343	302	645
1:00	331	261	592
2:00	301	300	601
3:00	316	315	631
4:00	302	293	595
5:00	288	277	565
6:00	226	182	408
7:00	158	140	298
8:00	117	107	224
9:00	97	66	163
10:00	48	30	78
11:00	35	26	61
Total	2653	2372	5025
Percent	52.8%	47.2%	
AM Peak	11:00	11:00	11:00
Volume	91	73	164
PM Peak	12:00 PM	3:00	12:00 PM
Volume	343	315	645

Site Code: 7 11th Street

Comment 1: Location Between N

Tunis & N Bush

Comment 2:

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

Station ID: Site 07  
 Location 1: Pool to Main Street  
 Location 2:  
 Location 3:  
 Location 4:

6/9/2023	A to B, None Time Specified	B to A, None Specified	<i>Frida</i>	Total
12:00 AM	11	14		25
1:00	7	5		12
2:00	2	7		9
3:00	11	9		20
4:00	25	15		40
5:00	30	34		64
6:00	64	70		134
7:00	119	97		216
8:00	223	165		388
9:00	247	223		470
10:00	300	286		586
11:00	316	276		592
12:00 PM	381	317		698
1:00	363	324		687
2:00	363	329		692
3:00	356	334		690
4:00	414	322		736
5:00	310	284		594
6:00	243	187		430
7:00	165	142		307
8:00	150	128		278
9:00	97	97		194
10:00	72	44		116
11:00	25	22		47
Total	4294	3731		8025
Percent	53.5%	46.5%		
AM Peak	11:00	10:00		11:00
Volume	316	286		592
PM Peak	4:00	3:00		4:00
Volume	414	334		736

Site Code: 7 11th Street

Comment 1: Location Between N

Tunis & N Bush

Comment 2:

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

6/10/2023	A to B, None Time Specified	B to A, None Specified	Total
12:00 AM	24	19	43
1:00	14	8	22
2:00	5	1	6
3:00	5	5	10
4:00	14	9	23
5:00	9	28	37
6:00	39	27	66
7:00	54	68	122
8:00	138	100	238
9:00	165	159	324
10:00	289	213	502
11:00	326	246	572
12:00 PM	374	239	613
1:00	296	265	561
2:00	238	214	452
3:00	222	246	468
4:00	234	211	445
5:00	243	200	443
6:00	184	129	313
7:00	152	115	267
8:00	104	169	273
9:00	92	78	170
10:00	50	59	109
11:00	46	35	81
Total	3317	2843	6160
Percent	53.8%	46.2%	
AM Peak	11:00	11:00	11:00
Volume	326	246	572
PM Peak	12:00 PM	1:00	12:00 PM
Volume	374	265	613

Site Code: 7 11th Street

Comment 1: Location Between N

Tunis & N Bush

Comment 2:

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

6/11/2023	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	20	15	35
1:00	7	14	21
2:00	8	9	17
3:00	5	5	10
4:00	8	3	11
5:00	16	11	27
6:00	27	24	51
7:00	44	43	87
8:00	114	108	222
9:00	151	132	283
10:00	207	153	360
11:00	212	207	419
12:00 PM	256	223	479
1:00	204	209	413
2:00	218	169	387
3:00	207	169	376
4:00	179	160	339
5:00	168	151	319
6:00	151	117	268
7:00	133	91	224
8:00	93	82	175
9:00	76	46	122
10:00	42	35	77
11:00	22	20	42
Total	2568	2196	4764
Percent	53.9%	46.1%	
AM Peak	11:00	11:00	11:00
Volume	212	207	419
PM Peak	12:00 PM	12:00 PM	12:00 PM
Volume	256	223	479

Site Code: 7 11th Street

Comment 1: Location Between N

Tunis & N Bush

Comment 2:

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

Time	A to B, None Specified	B to A, None Specified	Monday	Total
12:00 AM	16	10		26
1:00	3	6		9
2:00	3	5		8
3:00	1	8		9
4:00	3	14		17
5:00	17	29		46
6:00	63	64		127
7:00	140	114		254
8:00	211	173		384
9:00	268	215		483
10:00	265	224		489
11:00	325	295		620
12:00 PM	339	317		656
1:00	322	252		574
2:00	341	310		651
3:00	304	302		606
4:00	318	270		588
5:00	242	261		503
6:00	204	158		362
7:00	130	117		247
8:00	121	104		225
9:00	86	55		141
10:00	47	36		83
11:00	25	20		45
Total	3794	3359		7153
Percent	53.0%	47.0%		
AM Peak	11:00	11:00		11:00
Volume	325	295		620
PM Peak	2:00	12:00 PM		12:00 PM
Volume	341	317		656

Site Code: 7 11th Street

Comment 1: Location Between N

Tunis & N Bush

Comment 2:

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

Station ID: Site 07

Location 1: Pool to Main Street

Location 2:

Location 3:

Location 4:

6/13/2023	A to B, None Specified	B to A, None Specified	Tuesday	Total
12:00 AM	14	10		24
1:00	7	6		13
2:00	10	6		16
3:00	6	6		12
4:00	5	11		16
5:00	20	39		59
6:00	63	61		124
7:00	150	126		276
8:00	222	190		412
9:00	243	177		420
10:00	293	260		553
11:00	310	281		591
12:00 PM	324	319		643
1:00	347	297		644
2:00	336	293		629
3:00	328	335		663
4:00	299	286		585
5:00	275	295		570
6:00	222	182		404
7:00	155	119		274
8:00	124	103		227
9:00	79	78		157
10:00	57	49		106
11:00	23	18		41
Total	3912	3547		7459
Percent	52.4%	47.6%		
AM Peak	11:00	11:00		11:00
Volume	310	281		591
PM Peak	1:00	3:00		3:00
Volume	347	335		663

Site Code: 7 11th Street

Comment 1: Location Between N

Tunis & N Bush

Comment 2:

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

Station ID: Site 07  
 Location 1: Pool to Main Street  
 Location 2:  
 Location 3:  
 Location 4:

6/14/2023	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	20	7	27
1:00	6	5	11
2:00	4	0	4
3:00	6	11	17
4:00	2	14	16
5:00	25	35	60
6:00	60	53	113
7:00	11	12	23
8:00	*	*	0
9:00	*	*	0
10:00	*	*	0
11:00	*	*	0
12:00 PM	*	*	0
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	*	*	0
5:00	*	*	0
6:00	*	*	0
7:00	*	*	0
8:00	*	*	0
9:00	*	*	0
10:00	*	*	0
11:00	*	*	0
Total	134	137	271
Percent	49.4%	50.6%	
AM Peak	6:00	6:00	6:00
Volume	60	53	113
PM Peak			
Volume			
Grand Total	20672	18185	38857
Percent	53.2%	46.8%	
ADT	ADT: 6,680		AADT: 6,680



## **Appendix B**

- Site 28



## SPEED DATA ANALYSIS

### Location

Latitude: 0.000000  
Longitude: 0.000000



### Analysis Time Period



Start  
6/8/2023  
1:28 PM

End  
6/14/2023  
6:38 AM

### Vehicles Analyzed



45,183

### Speed Limit



35

### Average Speed



35

### 85th Percentile Speed



40

### 10 MPH Pace Speed



31-40

### Peak Time of Violations



6/13/2023  
5:28 PM

### Standard Deviation



6.127

### Enforcement Rating

HIGH



Lakeport Spot Speeds - 2023

Study # 28

Street: 11<sup>th</sup> ST.

Date: 8/9/23 10:40 - 11:10

Date:

B511nD

$$P_{\text{ext}} = 314$$



Site Code: 28 11th Street

Comment 1: Site 600 feet West of  
mellor

Station ID: Site 28

Comment 2:

Location 1: 1100 ft. West of mellor to Mellor

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

6/8/2023	A to B, None Specified	B to A, None Specified	Thursday	Total
Time				
12:00 AM	*	*		0
1:00	*	*		0
2:00	*	*		0
3:00	*	*		0
4:00	*	*		0
5:00	*	*		0
6:00	*	*		0
7:00	*	*		0
8:00	*	*		0
9:00	*	*		0
10:00	*	*		0
11:00	*	*		0
12:00 PM	*	*		0
1:00	125	130		255
2:00	261	303		564
3:00	307	272		579
4:00	291	284		575
5:00	262	295		557
6:00	222	241		463
7:00	179	174		353
8:00	117	123		240
9:00	109	75		184
10:00	53	58		111
11:00	35	34		69
Total	1961	1989		3950
Percent	49.6%	50.4%		
AM Peak Volume				
PM Peak Volume	3:00	2:00		3:00
	307	303		579

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Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

6/9/2023	A to B, None Specified	B to A, None Specified	<i>Friday</i>	Total
Time				
12:00 AM	16	24		40
1:00	7	6		13
2:00	8	11		19
3:00	14	16		30
4:00	37	19		56
5:00	56	48		104
6:00	80	108		188
7:00	161	196		357
8:00	240	166		406
9:00	234	217		451
10:00	275	270		545
11:00	289	268		557
12:00 PM	323	313		636
1:00	314	297		611
2:00	333	303		636
3:00	318	338		656
4:00	321	313		634
5:00	258	321		579
6:00	232	236		468
7:00	181	181		362
8:00	144	138		282
9:00	120	122		242
10:00	88	88		176
11:00	41	44		85
Total	4090	4043		8133
Percent	50.3%	49.7%		
AM Peak	11:00	10:00		11:00
Volume	289	270		557
PM Peak	2:00	3:00		3:00
Volume	333	338		656

Site Code: 28 11th Street

Comment 1: Site 600 feet West of  
mellor

Station ID: Site 28

Comment 2:

Location 1: 1100 ft. West of mellor to Mellor

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

6/10/2023	A to B, None Specified	B to A, None Specified	Saturday	Total
Time				
12:00 AM	30	25		55
1:00	15	14		29
2:00	10	1		11
3:00	6	10		16
4:00	29	9		38
5:00	35	35		70
6:00	57	51		108
7:00	78	87		165
8:00	125	125		250
9:00	204	173		377
10:00	271	211		482
11:00	278	260		538
12:00 PM	289	251		540
1:00	264	229		493
2:00	214	230		444
3:00	213	263		476
4:00	213	247		460
5:00	238	217		455
6:00	171	160		331
7:00	142	138		280
8:00	132	169		301
9:00	119	114		233
10:00	77	83		160
11:00	59	55		114
Total	3269	3157		6426
Percent	50.9%	49.1%		
AM Peak	11:00	11:00		11:00
Volume	278	260		538
PM Peak	12:00 PM	3:00		12:00 PM
Volume	289	263		540

Site Code: 28 11th Street

Comment 1: Site 600 feet West of  
mellor

Station ID: Site 28

Comment 2:

Location 1: 1100 ft. West of mellor to Mellor

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

6/11/2023	A to B, None Specified	B to A, None Specified	Sunday	Total
Time				
12:00 AM	23	27		50
1:00	13	15		28
2:00	17	13		30
3:00	8	4		12
4:00	19	6		25
5:00	29	13		42
6:00	53	34		87
7:00	50	71		121
8:00	105	110		215
9:00	178	176		354
10:00	202	167		369
11:00	223	208		431
12:00 PM	245	237		482
1:00	208	230		438
2:00	196	180		376
3:00	204	202		406
4:00	170	191		361
5:00	211	193		404
6:00	170	165		335
7:00	152	141		293
8:00	107	89		196
9:00	79	73		152
10:00	51	42		93
11:00	24	35		59
Total	2737	2622		5359
Percent	51.1%	48.9%		
AM Peak	11:00	11:00		11:00
Volume	223	208		431
PM Peak	12:00 PM	12:00 PM		12:00 PM
Volume	245	237		482

Site Code: 28 11th Street

Comment 1: Site 600 feet West of  
mellor

Station ID: Site 28

Comment 2:

Location 1: 1100 ft. West of mellor to Mellor

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

6/12/2023	A to B, None Specified	B to A, None Specified	<u>Monday</u>	Total
Time				
12:00 AM	17	15		32
1:00	6	7		13
2:00	5	8		13
3:00	6	14		20
4:00	13	24		37
5:00	41	50		91
6:00	70	103		173
7:00	162	200		362
8:00	221	174		395
9:00	247	182		429
10:00	255	225		480
11:00	273	252		525
12:00 PM	279	282		561
1:00	280	253		533
2:00	288	275		563
3:00	293	308		601
4:00	305	292		597
5:00	262	321		583
6:00	206	202		408
7:00	145	155		300
8:00	126	109		235
9:00	96	89		185
10:00	58	57		115
11:00	25	33		58
Total	3679	3630		7309
Percent	50.3%	49.7%		
AM Peak	11:00	11:00		11:00
Volume	273	252		525
PM Peak	4:00	5:00		3:00
Volume	305	321		601

Site Code: 28 11th Street

Comment 1: Site 600 feet West of  
mellor

Station ID: Site 28

Comment 2:

Location 1: 1100 ft. West of mellor to Mellor

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

6/13/2023	A to B, None Specified	B to A, None Specified	Tuesday	Total
Time				
12:00 AM	21	12		33
1:00	7	9		16
2:00	12	8		20
3:00	10	11		21
4:00	20	24		44
5:00	47	56		103
6:00	83	119		202
7:00	185	232		417
8:00	230	168		398
9:00	232	219		451
10:00	251	236		487
11:00	293	249		542
12:00 PM	267	304		571
1:00	293	270		563
2:00	278	292		570
3:00	258	301		559
4:00	289	301		590
5:00	278	326		604
6:00	218	238		456
7:00	154	140		294
8:00	136	123		259
9:00	95	103		198
10:00	66	58		124
11:00	33	34		67
Total	3756	3833		7589
Percent	49.5%	50.5%		
AM Peak	11:00	11:00		11:00
Volume	293	249		542
PM Peak	1:00	5:00		5:00
Volume	293	326		604

Site Code: 28 11th Street

Comment 1: Site 600 feet West of  
mellor

Station ID: Site 28

Comment 2:

Location 1: 1100 ft. West of mellor to Mellor

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

Time	A to B, None Specified	B to A, None Specified	Wednesday	Total
12:00 AM	28	12		40
1:00	6	7		13
2:00	8	4		12
3:00	13	16		29
4:00	12	28		40
5:00	57	63		120
6:00	48	60		108
7:00	*	*		0
8:00	*	*		0
9:00	*	*		0
10:00	*	*		0
11:00	*	*		0
12:00 PM	*	*		0
1:00	*	*		0
2:00	*	*		0
3:00	*	*		0
4:00	*	*		0
5:00	*	*		0
6:00	*	*		0
7:00	*	*		0
8:00	*	*		0
9:00	*	*		0
10:00	*	*		0
11:00	*	*		0
Total	172	190		362
Percent	47.5%	52.5%		
AM Peak	5:00	5:00		5:00
Volume	57	63		120
PM Peak				
Volume				
Grand Total	19664	19464		39128
Percent	50.3%	49.7%		
ADT		ADT: 6,951	AADT: 6,951	



## **Appendix B**

- Site 29



## SPEED DATA ANALYSIS

### Location



City Limits to 1100 ft. W of  
Mellor  
Latitude: 0.000000  
Longitude: 0.000000

### Analysis Time Period



Start  
6/8/2023  
2:42 PM

End  
6/14/2023  
6:12 AM

### Vehicles Analyzed



**43,732**

### Speed Limit



**35**

### Average Speed



**37**

### 85th Percentile Speed



**41**

### 10 MPH Pace Speed



**32-41**

### Peak Time of Violations



**6/9/2023  
12:42 PM**

### Standard Deviation



**5.152**

### Enforcement Rating

**HIGH**



Site Code: 29 11th St

Comment 1: 350 ft. E of Central Park

Station ID: Site 29

Comment 2:

Location 1: City Limits to 1100 ft. W of Mellor

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

6/8/2023	A to B, None Specified	B to A, None Specified	Thursday	Total
12:00 AM	*	*		0
1:00	*	*		0
2:00	*	*		0
3:00	*	*		0
4:00	*	*		0
5:00	*	*		0
6:00	*	*		0
7:00	*	*		0
8:00	*	*		0
9:00	*	*		0
10:00	*	*		0
11:00	*	*		0
12:00 PM	*	*		0
1:00	*	*		0
2:00	101	116		217
3:00	394	335		729
4:00	396	366		762
5:00	344	353		697
6:00	272	273		545
7:00	207	185		392
8:00	133	126		259
9:00	123	80		203
10:00	63	62		125
11:00	36	33		69
Total	2069	1929		3998
Percent	51.8%	48.2%		
AM Peak Volume				
PM Peak Volume	4:00	4:00		4:00
	396	366		762

Site Code: 29 11th St

Comment 1: 350 ft. E of Central Park

Station ID: Site 29

Comment 2:

Location 1: City Limits to 1100 ft. W of Mellor

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

6/9/2023	A to B, None Specified	B to A, None Specified	Friday	Total
Time				
12:00 AM	16	27		43
1:00	8	6		14
2:00	12	11		23
3:00	13	18		31
4:00	43	20		63
5:00	62	51		113
6:00	90	114		204
7:00	183	219		402
8:00	339	191		530
9:00	300	256		556
10:00	351	320		671
11:00	362	324		686
12:00 PM	444	391		835
1:00	435	362		797
2:00	436	373		809
3:00	444	417		861
4:00	449	384		833
5:00	332	371		703
6:00	293	277		570
7:00	207	197		404
8:00	169	150		319
9:00	132	128		260
10:00	100	91		191
11:00	45	46		91
Total	5265	4744		10009
Percent	52.6%	47.4%		
AM Peak	11:00	11:00		11:00
Volume	362	324		686
PM Peak	4:00	3:00		3:00
Volume	449	417		861

Site Code: 29 11th St

Comment 1: 350 ft. E of Central

Park

Comment 2:

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

Station ID: Site 29

Location 1: City Limits to 1100 ft. W of Mellor

Location 2:

Location 3:

Location 4:

6/10/2023	A to B, None Specified	B to A, None Specified	Saturday	Total
Time				
12:00 AM	31	23		54
1:00	15	16		31
2:00	10	1		11
3:00	7	10		17
4:00	30	7		37
5:00	40	38		78
6:00	66	49		115
7:00	91	93		184
8:00	150	138		288
9:00	237	183		420
10:00	331	243		574
11:00	375	300		675
12:00 PM	396	304		700
1:00	320	264		584
2:00	259	270		529
3:00	268	302		570
4:00	269	279		548
5:00	283	246		529
6:00	204	176		380
7:00	154	148		302
8:00	147	178		325
9:00	136	122		258
10:00	89	86		175
11:00	61	57		118
Total	3969	3533		7502
Percent	52.9%	47.1%		
AM Peak	11:00	11:00		11:00
Volume	375	300		675
PM Peak	12:00 PM	12:00 PM		12:00 PM
Volume	396	304		700

Site Code: 29 11th St

Comment 1: 350 ft. E of Central Park

Station ID: Site 29

Comment 2:

Location 1: City Limits to 1100 ft. W of Mellor

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

6/11/2023	A to B, None Specified	B to A, None Specified	Sunday	Total
Time				
12:00 AM	24	27		51
1:00	13	15		28
2:00	18	11		29
3:00	9	5		14
4:00	20	6		26
5:00	31	16		47
6:00	57	37		94
7:00	58	75		133
8:00	118	117		235
9:00	215	185		400
10:00	248	199		447
11:00	256	227		483
12:00 PM	295	268		563
1:00	254	255		509
2:00	240	206		446
3:00	248	226		474
4:00	212	221		433
5:00	242	219		461
6:00	197	182		379
7:00	176	140		316
8:00	118	98		216
9:00	87	78		165
10:00	53	43		96
11:00	24	35		59
Total	3213	2891		6104
Percent	52.6%	47.4%		
AM Peak	11:00	11:00		11:00
Volume	256	227		483
PM Peak	12:00 PM	12:00 PM		12:00 PM
Volume	295	268		563

Site Code: 29 11th St

Comment 1: 350 ft. E of Central

Park

Comment 2:

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

Station ID: Site 29

Location 1: City Limits to 1100 ft. W of Mellor

Location 2:

Location 3:

Location 4:

6/12/2023	A to B, None Specified	B to A, None Specified	<i>Monda,</i>	Total
Time				
12:00 AM	21	15		36
1:00	6	6		12
2:00	5	9		14
3:00	6	13		19
4:00	15	25		40
5:00	48	52		100
6:00	74	109		183
7:00	200	216		416
8:00	284	220		504
9:00	308	213		521
10:00	317	263		580
11:00	352	308		660
12:00 PM	347	327		674
1:00	363	310		673
2:00	375	311		686
3:00	385	371		756
4:00	406	348		754
5:00	339	373		712
6:00	258	230		488
7:00	162	172		334
8:00	148	116		264
9:00	113	96		209
10:00	64	61		125
11:00	27	34		61
Total	4623	4198		8821
Percent	52.4%	47.6%		
AM Peak	11:00	11:00		11:00
Volume	352	308		660
PM Peak	4:00	5:00		3:00
Volume	406	373		756

Site Code: 29 11th St

Comment 1: 350 ft. E of Central

Park

Station ID: Site 29

Comment 2:

Location 1: City Limits to 1100 ft. W of Mellor

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

6/13/2023	A to B, None Specified	B to A, None Specified	Tuesday	Total
Time				
12:00 AM	23	14		37
1:00	7	8		15
2:00	14	10		24
3:00	9	16		25
4:00	20	24		44
5:00	49	69		118
6:00	95	122		217
7:00	216	257		473
8:00	305	186		491
9:00	298	257		555
10:00	333	288		621
11:00	390	305		695
12:00 PM	350	375		725
1:00	377	326		703
2:00	99	363		462
3:00	1	376		377
4:00	3	363		366
5:00	1	428		429
6:00	1	264		265
7:00	5	150		155
8:00	1	135		136
9:00	0	107		107
10:00	1	65		66
11:00	1	33		34
Total	2599	4541		7140
Percent	36.4%	63.6%		
AM Peak	11:00	11:00		11:00
Volume	390	305		695
PM Peak	1:00	5:00		12:00 PM
Volume	377	428		725

Site Code: 29 11th St

Comment 1: 350 ft. E of Central

Park

Comment 2:

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

Station ID: Site 29

Location 1: City Limits to 1100 ft. W of Mellor

Location 2:

Location 3:

Location 4:

6/14/2023	A to B, None Specified	B to A, None Specified	Wednesday	Total
Time				
12:00 AM	3	12		15
1:00	0	8		8
2:00	0	5		5
3:00	1	16		17
4:00	0	29		29
5:00	1	69		70
6:00	0	16		16
7:00	*	*		0
8:00	*	*		0
9:00	*	*		0
10:00	*	*		0
11:00	*	*		0
12:00 PM	*	*		0
1:00	*	*		0
2:00	*	*		0
3:00	*	*		0
4:00	*	*		0
5:00	*	*		0
6:00	*	*		0
7:00	*	*		0
8:00	*	*		0
9:00	*	*		0
10:00	*	*		0
11:00	*	*		0
Total	5	155		160
Percent	3.1%	96.9%		
AM Peak	12:00 AM	5:00		5:00
Volume	3	69		70
PM Peak				
Volume				
Grand Total	21743	21991		43734
Percent	49.7%	50.3%		
ADT		ADT: 7,921	AADT: 7,921	



## **Appendix B**

- **Site 30**



## SPEED DATA ANALYSIS

### Location



Latitude: 0.000000  
Longitude: 0.000000

### Analysis Time Period



Start  
5/19/2022  
11:48 AM

End  
5/25/2022  
10:11 AM

### Vehicles Analyzed



4,106

### Speed Limit



35

### Average Speed



24

### 85th Percentile Speed



29

### 10 MPH Pace Speed



20-29

### Peak Time of Violations



5/19/2022  
2:48 PM

### Standard Deviation



5.608

### Enforcement Rating

LOW



Site Code: 16th Street Orchid

Comment 1:

Station ID:

Comment 2:

Location 1:

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

5/19/2022	A to B, None Specified	B to A, None Specified	Total
12:00 AM	*	*	0
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	*	*	0
5:00	*	*	0
6:00	*	*	0
7:00	*	*	0
8:00	*	*	0
9:00	*	*	0
10:00	*	*	0
11:00	4	7	11
12:00 PM	24	35	59
1:00	46	37	83
2:00	28	32	60
3:00	25	34	59
4:00	27	23	50
5:00	24	28	52
6:00	12	18	30
7:00	17	18	35
8:00	11	12	23
9:00	3	7	10
10:00	5	1	6
11:00	2	3	5
Total	228	255	483
Percent	47.2%	52.8%	
AM Peak	11:00	11:00	11:00
Volume	4	7	11
PM Peak	1:00	1:00	1:00
Volume	46	37	83

Site Code: 16th Street Orchid  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:  
 Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

5/20/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	2	0	2
1:00	1	1	2
2:00	2	2	4
3:00	0	3	3
4:00	1	1	2
5:00	3	7	10
6:00	8	13	21
7:00	33	33	66
8:00	32	34	66
9:00	18	20	38
10:00	27	33	60
11:00	27	31	58
12:00 PM	27	28	55
1:00	34	22	56
2:00	24	33	57
3:00	34	39	73
4:00	28	25	53
5:00	12	23	35
6:00	11	19	30
7:00	8	13	21
8:00	11	15	26
9:00	10	7	17
10:00	5	7	12
11:00	0	3	3
Total	358	412	770
Percent	46.5%	53.5%	
AM Peak	7:00	8:00	7:00
Volume	33	34	66
PM Peak	1:00	3:00	3:00
Volume	34	39	73

Site Code: 16th Street Orchid  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:

Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

5/21/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	0	2	2
1:00	0	1	1
2:00	0	1	1
3:00	2	1	3
4:00	0	0	0
5:00	3	6	9
6:00	4	4	8
7:00	3	4	7
8:00	13	11	24
9:00	14	15	29
10:00	23	34	57
11:00	26	29	55
12:00 PM	33	20	53
1:00	17	19	36
2:00	26	26	52
3:00	24	22	46
4:00	11	15	26
5:00	13	19	32
6:00	10	5	15
7:00	17	14	31
8:00	10	10	20
9:00	7	13	20
10:00	5	3	8
11:00	3	2	5
Total	264	276	540
Percent	48.9%	51.1%	
AM Peak	11:00	10:00	10:00
Volume	26	34	57
PM Peak	12:00 PM	2:00	12:00 PM
Volume	33	26	53

Site Code: 16th Street Orchid

Station ID:

Location 1:

Location 2:

Location 3:

Location 4:

Comment 1:

Comment 2:

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

5/22/2022	A to B, None Specified	B to A, None Specified	Total
12:00 AM	0	2	2
1:00	3	4	7
2:00	0	0	0
3:00	1	2	3
4:00	0	1	1
5:00	1	4	5
6:00	3	8	11
7:00	3	7	10
8:00	9	9	18
9:00	12	11	23
10:00	21	20	41
11:00	14	7	21
12:00 PM	20	25	45
1:00	22	23	45
2:00	11	23	34
3:00	10	13	23
4:00	23	13	36
5:00	12	17	29
6:00	15	15	30
7:00	11	9	20
8:00	6	9	15
9:00	0	12	12
10:00	9	2	11
11:00	1	0	1
Total	207	236	443
Percent	46.7%	53.3%	
AM Peak	10:00	10:00	10:00
Volume	21	20	41
PM Peak	4:00	12:00 PM	12:00 PM
Volume	23	25	45

Site Code: 16th Street Orchid

Station ID:

Location 1:

Location 2:

Location 3:

Location 4:

Comment 1:

Comment 2:

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

5/23/2022	A to B, None Specified	B to A, None Specified	Total
12:00 AM	1	1	2
1:00	0	1	1
2:00	1	1	2
3:00	0	2	2
4:00	1	2	3
5:00	1	6	7
6:00	12	9	21
7:00	44	27	71
8:00	30	36	66
9:00	21	11	32
10:00	28	32	60
11:00	26	26	52
12:00 PM	32	34	66
1:00	31	38	69
2:00	27	19	46
3:00	24	34	58
4:00	15	28	43
5:00	33	20	53
6:00	16	46	62
7:00	14	12	26
8:00	14	11	25
9:00	4	8	12
10:00	4	3	7
11:00	4	1	5
Total	383	408	791
Percent	48.4%	51.6%	
AM Peak	7:00	8:00	7:00
Volume	44	36	71
PM Peak	5:00	6:00	1:00
Volume	33	46	69

Site Code: 16th Street Orchid

Station ID:

Location 1:

Location 2:

Location 3:

Location 4:

Comment 1:

Comment 2:

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

5/24/2022	A to B, None Specified	B to A, None Specified	Total
12:00 AM	0	1	1
1:00	2	1	3
2:00	0	1	1
3:00	0	2	2
4:00	1	2	3
5:00	3	7	10
6:00	15	18	33
7:00	30	29	59
8:00	32	27	59
9:00	15	23	38
10:00	33	37	70
11:00	27	30	57
12:00 PM	33	41	74
1:00	30	46	76
2:00	30	28	58
3:00	32	28	60
4:00	36	24	60
5:00	24	35	59
6:00	21	10	31
7:00	9	11	20
8:00	7	17	24
9:00	5	14	19
10:00	6	5	11
11:00	5	2	7
Total	396	439	835
Percent	47.4%	52.6%	
AM Peak	10:00	10:00	10:00
Volume	33	37	70
PM Peak	4:00	1:00	1:00
Volume	36	46	76

Site Code:	16th Street Orchid	Comment 1:	
Station ID:		Comment 2:	
Location 1:		Comment 3:	
Location 2:		Comment 4:	
Location 3:			
Location 4:			
5/25/2022	A to B, None Specified	B to A, None Specified	
Time			Total
12:00 AM	2	1	3
1:00	0	2	2
2:00	1	3	4
3:00	1	3	4
4:00	0	1	1
5:00	1	6	7
6:00	10	6	16
7:00	47	38	85
8:00	32	35	67
9:00	23	25	48
10:00	7	2	9
11:00	*	*	0
12:00 PM	*	*	0
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	*	*	0
5:00	*	*	0
6:00	*	*	0
7:00	*	*	0
8:00	*	*	0
9:00	*	*	0
10:00	*	*	0
11:00	*	*	0
Total	124	122	246
Percent	50.4%	49.6%	
AM Peak	7:00	7:00	7:00
Volume	47	38	85
PM Peak			
Volume			
Grand Total	1960	2148	4108
Percent	47.7%	52.3%	
ADT	ADT: 685	AADT: 685	



## **Appendix B**

- **Site 31**



## SPEED DATA ANALYSIS

### Location



Latitude: 0.000000  
Longitude: 0.000000

### Analysis Time Period



Start  
6/7/2022  
10:36 AM

End  
6/13/2022  
12:22 PM

### Vehicles Analyzed



4,533

### Speed Limit



35

### Average Speed



26

### 85th Percentile Speed



30

### 10 MPH Pace Speed



22-31

### Peak Time of Violations



6/7/2022  
4:36 PM

### Standard Deviation



4.998

### Enforcement Rating

LOW



Site Code: 20th St High -Hartle

Station ID:

Comment 1:

Comment 2:

Comment 3:

Comment 4:

Location 1:

Location 2:

Location 3:

Location 4:

Latitude: 0.000000

Longitude: 0.000000

6/7/2022	A to B, None Specified	B to A, None Specified	Total
12:00 AM	*	*	0
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	*	*	0
5:00	*	*	0
6:00	*	*	0
7:00	*	*	0
8:00	*	*	0
9:00	*	*	0
10:00	9	7	16
11:00	22	40	62
12:00 PM	31	37	68
1:00	31	24	55
2:00	31	38	69
3:00	49	39	88
4:00	35	35	70
5:00	49	54	103
6:00	22	21	43
7:00	21	36	57
8:00	5	17	22
9:00	4	11	15
10:00	1	8	9
11:00	3	5	8
Total	313	372	685
Percent	45.7%	54.3%	
AM Peak	11:00	11:00	11:00
Volume	22	40	62
PM Peak	3:00	5:00	5:00
Volume	49	54	103

Site Code: 20th St High -Hartle

Comment 1:

Comment 2:

Comment 3:

Comment 4:

Station ID:

Location 1:

Location 2:

Location 3:

Location 4:

Latitude: 0.000000

Longitude: 0.000000

6/8/2022 Time	A to B, None Specified	B to A, None Specified	Total
12:00 AM	0	1	1
1:00	1	1	2
2:00	1	1	2
3:00	4	0	4
4:00	1	2	3
5:00	3	2	5
6:00	13	14	27
7:00	36	27	63
8:00	36	26	62
9:00	23	22	45
10:00	28	26	54
11:00	30	28	58
12:00 PM	32	41	73
1:00	23	34	57
2:00	20	28	48
3:00	33	30	63
4:00	31	41	72
5:00	24	37	61
6:00	16	30	46
7:00	10	21	31
8:00	11	25	36
9:00	4	17	21
10:00	1	8	9
11:00	2	1	3
Total	383	463	846
Percent	45.3%	54.7%	
AM Peak	7:00	11:00	7:00
Volume	36	28	63
PM Peak	3:00	12:00 PM	12:00 PM
Volume	33	41	73

Site Code: 20th St High -Hartle

Station ID:

Comment 1:

Comment 2:

Comment 3:

Comment 4:

Location 1:

Location 2:

Location 3:

Location 4:

Latitude: 0.000000

Longitude: 0.000000

6/9/2022 Time	A to B, None Specified	B to A, None Specified	Total
12:00 AM	3	2	5
1:00	2	0	2
2:00	1	1	2
3:00	1	1	2
4:00	2	1	3
5:00	4	3	7
6:00	13	15	28
7:00	34	17	51
8:00	59	20	79
9:00	39	25	64
10:00	39	25	64
11:00	33	39	72
12:00 PM	51	42	93
1:00	39	31	70
2:00	52	41	93
3:00	35	37	72
4:00	23	45	68
5:00	23	42	65
6:00	15	35	50
7:00	16	29	45
8:00	13	22	35
9:00	15	22	37
10:00	4	8	12
11:00	2	5	7
Total	518	508	1026
Percent	50.5%	49.5%	
AM Peak	8:00	11:00	8:00
Volume	59	39	79
PM Peak	2:00	4:00	12:00 PM
Volume	52	45	93

Site Code: 20th St High -Hartle

Comment 1:

Station ID:

Comment 2:

Location 1:

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

6/10/2022	A to B, None Specified	B to A, None Specified	Total
12:00 AM	0	2	2
1:00	2	3	5
2:00	0	1	1
3:00	5	3	8
4:00	0	2	2
5:00	0	1	1
6:00	20	15	35
7:00	31	15	46
8:00	53	21	74
9:00	36	30	66
10:00	45	35	80
11:00	53	45	98
12:00 PM	58	40	98
1:00	56	44	100
2:00	47	46	93
3:00	56	39	95
4:00	30	40	70
5:00	27	46	73
6:00	19	26	45
7:00	14	28	42
8:00	15	24	39
9:00	12	27	39
10:00	7	14	21
11:00	3	5	8
Total	589	552	1141
Percent	51.6%	48.4%	
AM Peak	8:00	11:00	11:00
Volume	53	45	98
PM Peak	12:00 PM	2:00	1:00
Volume	58	46	100

Site Code: 20th St High -Hartle

Station ID:

Comment 1:

Comment 2:

Comment 3:

Comment 4:

Location 1:

Location 2:

Location 3:

Location 4:

Latitude: 0.000000

Longitude: 0.000000

6/11/2022 Time	A to B, None Specified	B to A, None Specified	Total
12:00 AM	1	3	4
1:00	2	1	3
2:00	1	4	5
3:00	0	0	0
4:00	0	1	1
5:00	2	0	2
6:00	9	6	15
7:00	8	5	13
8:00	17	15	32
9:00	27	29	56
10:00	23	32	55
11:00	20	30	50
12:00 PM	30	30	60
1:00	26	24	50
2:00	18	23	41
3:00	26	32	58
4:00	17	32	49
5:00	15	31	46
6:00	26	27	53
7:00	13	22	35
8:00	16	18	34
9:00	4	14	18
10:00	11	14	25
11:00	2	8	10
Total	314	401	715
Percent	43.9%	56.1%	
AM Peak	9:00	10:00	9:00
Volume	27	32	56
PM Peak	12:00 PM	3:00	12:00 PM
Volume	30	32	60

Site Code: 20th St High -Hartle

Comment 1:

Station ID:

Comment 2:

Location 1:

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

6/12/2022	A to B, None Specified	B to A, None Specified	Total
12:00 AM	3	3	6
1:00	0	3	3
2:00	1	3	4
3:00	1	1	2
4:00	0	0	0
5:00	1	0	1
6:00	3	3	6
7:00	5	3	8
8:00	8	9	17
9:00	18	20	38
10:00	15	20	35
11:00	*	*	0
12:00 PM	*	*	0
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	*	*	0
5:00	*	*	0
6:00	*	*	0
7:00	*	*	0
8:00	*	*	0
9:00	*	*	0
10:00	*	*	0
11:00	*	*	0
Total	55	65	120
Percent	45.8%	54.2%	
AM Peak	9:00	9:00	9:00
Volume	18	20	38
PM Peak			
Volume			
Grand Total	2172	2361	4533
Percent	47.9%	52.1%	
ADT	ADT: 896	AADT: 896	

## **Appendix B**

- **Site 32**



# SPEED DATA ANALYSIS

## Location



Latitude: 0.000000  
Longitude: 0.000000

## Analysis Time Period



Start  
10/10/2022  
12:34 PM

End  
10/19/2022  
9:22 AM

## Vehicles Analyzed



**3,988**

## Speed Limit



**35**

## Average Speed



**31**

## 85th Percentile Speed



**36**

## 10 MPH Pace Speed



**27-36**

## Peak Time of Violations



**10/13/2022  
4:34 PM**

## Standard Deviation



**5.443**

## Enforcement Rating

**HIGH**



Site Code: 32 20th Alden-Hartle  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:  
 Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

10/10/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	*	*	0
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	*	*	0
5:00	*	*	0
6:00	*	*	0
7:00	*	*	0
8:00	*	*	0
9:00	*	*	0
10:00	*	*	0
11:00	*	*	0
12:00 PM	2	8	10
1:00	24	13	37
2:00	18	23	41
3:00	9	15	24
4:00	10	7	17
5:00	6	15	21
6:00	8	11	19
7:00	8	12	20
8:00	6	5	11
9:00	0	2	2
10:00	2	4	6
11:00	2	1	3
Total	95	116	211
Percent	45.0%	55.0%	
AM Peak Volume			
PM Peak Volume	1:00	2:00	2:00
	24	23	41

Site Code: 32 20th Alden-Hartle Comment 1:  
 Station ID: Comment 2:  
 Location 1: Comment 3:  
 Location 2: Comment 4:  
 Location 3:  
 Location 4: Latitude: 0.000000  
 Longitude: 0.000000

10/11/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	1	0	1
1:00	2	2	4
2:00	0	1	1
3:00	2	2	4
4:00	2	0	2
5:00	3	0	3
6:00	9	1	10
7:00	29	6	35
8:00	18	14	32
9:00	19	12	31
10:00	12	21	33
11:00	23	23	46
12:00 PM	13	17	30
1:00	23	25	48
2:00	15	27	42
3:00	20	16	36
4:00	15	18	33
5:00	11	13	24
6:00	5	9	14
7:00	7	6	13
8:00	2	7	9
9:00	3	6	9
10:00	2	3	5
11:00	1	1	2
Total	237	230	467
Percent	50.7%	49.3%	
AM Peak	7:00	11:00	11:00
Volume	29	23	46
PM Peak	1:00	2:00	1:00
Volume	23	27	48

Site Code: 32 20th Alden-Hartle

Comment 1:

Station ID:

Comment 2:

Location 1:

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

10/12/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	1	0	1
1:00	2	3	5
2:00	0	0	0
3:00	3	2	5
4:00	3	1	4
5:00	6	2	8
6:00	8	1	9
7:00	23	5	28
8:00	27	18	45
9:00	10	6	16
10:00	15	16	31
11:00	12	10	22
12:00 PM	16	9	25
1:00	15	16	31
2:00	18	12	30
3:00	15	7	22
4:00	14	19	33
5:00	8	15	23
6:00	10	17	27
7:00	2	8	10
8:00	4	9	13
9:00	1	6	7
10:00	1	2	3
11:00	2	3	5
Total	216	187	403
Percent	53.6%	46.4%	
AM Peak	8:00	8:00	8:00
Volume	27	18	45
PM Peak	2:00	4:00	4:00
Volume	18	19	33

Site Code: 32 20th Alden-Hartle

Station ID:

Comment 1:

Location 1:

Comment 2:

Location 2:

Comment 3:

Location 3:

Comment 4:

Location 4:

Latitude: 0.000000

Longitude: 0.000000

10/13/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	0	1	1
1:00	1	2	3
2:00	0	0	0
3:00	2	2	4
4:00	5	0	5
5:00	4	3	7
6:00	9	1	10
7:00	25	11	36
8:00	15	16	31
9:00	20	17	37
10:00	10	11	21
11:00	30	33	63
12:00 PM	20	37	57
1:00	19	26	45
2:00	14	26	40
3:00	15	36	51
4:00	18	44	62
5:00	17	26	43
6:00	6	10	16
7:00	6	6	12
8:00	8	7	15
9:00	3	6	9
10:00	1	4	5
11:00	1	1	2
Total	249	326	575
Percent	43.3%	56.7%	
AM Peak	11:00	11:00	11:00
Volume	30	33	63
PM Peak	12:00 PM	4:00	4:00
Volume	20	44	62

Site Code: 32 20th Alden-Hartle  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:  
 Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

10/14/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	2	2	4
1:00	2	2	4
2:00	0	0	0
3:00	2	2	4
4:00	1	0	1
5:00	1	0	1
6:00	8	1	1
7:00	19	14	9
8:00	21	15	33
9:00	23	8	36
10:00	21	22	31
11:00	21	21	43
12:00 PM	23	28	51
1:00	12	26	38
2:00	22	25	47
3:00	21	19	40
4:00	13	15	28
5:00	10	14	24
6:00	10	10	20
7:00	5	12	17
8:00	6	4	10
9:00	4	10	14
10:00	3	6	9
11:00	3	2	5
Total	253	258	511
Percent	49.5%	50.5%	
AM Peak	9:00	10:00	10:00
Volume	23	22	43
PM Peak	12:00 PM	12:00 PM	12:00 PM
Volume	23	28	51

Site Code: 32 20th Alden-Hartle

Comment 1:

Station ID:

Comment 2:

Location 1:

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 0.000000

Location 4:

Longitude: 0.000000

10/15/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	1	1	2
1:00	2	4	6
2:00	0	3	3
3:00	2	0	2
4:00	0	1	1
5:00	1	0	1
6:00	1	0	1
7:00	3	0	3
8:00	8	3	11
9:00	18	10	28
10:00	19	12	31
11:00	18	12	30
12:00 PM	12	12	24
1:00	7	15	22
2:00	7	8	15
3:00	11	6	17
4:00	7	10	17
5:00	10	10	20
6:00	10	10	20
7:00	8	10	18
8:00	6	7	13
9:00	5	7	12
10:00	0	5	5
11:00	2	1	3
Total	158	147	305
Percent	51.8%	48.2%	
AM Peak	10:00	10:00	10:00
Volume	19	12	31
PM Peak	12:00 PM	1:00	12:00 PM
Volume	12	15	24

Site Code: 32 20th Alden-Hartle

Station ID:

Location 1:

Location 2:

Location 3:

Location 4:

Comment 1:

Comment 2:

Comment 3:

Comment 4:

Latitude: 0.000000

Longitude: 0.000000

10/16/2022	A to B, None Specified	B to A, None Specified	Total
12:00 AM	2	2	4
1:00	3	2	5
2:00	0	3	3
3:00	0	0	0
4:00	0	0	0
5:00	2	1	3
6:00	1	1	2
7:00	2	3	5
8:00	5	2	7
9:00	12	4	16
10:00	15	6	21
11:00	12	14	26
12:00 PM	18	7	25
1:00	6	12	18
2:00	8	12	20
3:00	7	8	15
4:00	6	7	13
5:00	17	10	27
6:00	7	12	19
7:00	14	10	24
8:00	3	6	9
9:00	2	4	6
10:00	1	2	3
11:00	0	1	1
Total	143	129	272
Percent	52.6%	47.4%	
AM Peak	10:00	11:00	11:00
Volume	15	14	26
PM Peak	12:00 PM	1:00	5:00
Volume	18	12	27

Site Code: 32 20th Alden-Hartle

Station ID:

Comment 1:

Comment 2:

Comment 3:

Comment 4:

Location 1:

Location 2:

Location 3:

Location 4:

Latitude: 0.000000

Longitude: 0.000000

10/17/2022	A to B, None Specified	B to A, None Specified	Total
12:00 AM	1	2	3
1:00	2	1	3
2:00	0	2	2
3:00	3	1	4
4:00	4	0	4
5:00	3	0	3
6:00	7	3	10
7:00	20	11	31
8:00	21	17	38
9:00	23	16	39
10:00	14	12	26
11:00	22	25	47
12:00 PM	25	26	51
1:00	20	16	36
2:00	18	30	48
3:00	21	35	56
4:00	20	47	67
5:00	16	33	49
6:00	9	10	19
7:00	8	13	21
8:00	4	10	14
9:00	4	3	7
10:00	0	2	2
11:00	0	0	0
Total	265	315	580
Percent	45.7%	54.3%	
AM Peak	9:00	11:00	11:00
Volume	23	25	47
PM Peak	12:00 PM	4:00	4:00
Volume	25	47	67

Site Code: 32 20th Alden-Hartle  
 Station ID:  
 Location 1:  
 Location 2:  
 Location 3:  
 Location 4:

Comment 1:  
 Comment 2:  
 Comment 3:  
 Comment 4:  
 Latitude: 0.000000  
 Longitude: 0.000000

10/18/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	0	0	0
1:00	2	1	3
2:00	0	1	1
3:00	2	0	2
4:00	1	0	1
5:00	3	1	4
6:00	10	1	11
7:00	29	12	41
8:00	25	13	38
9:00	14	16	30
10:00	13	6	19
11:00	26	21	47
12:00 PM	14	28	42
1:00	17	16	33
2:00	23	20	43
3:00	27	22	49
4:00	17	30	47
5:00	14	28	42
6:00	6	12	18
7:00	10	9	19
8:00	3	6	9
9:00	4	5	9
10:00	2	3	5
11:00	0	1	1
Total	262	252	514
Percent	51.0%	49.0%	
AM Peak	7:00	11:00	11:00
Volume	29	21	47
PM Peak	3:00	4:00	3:00
Volume	27	30	49

Site Code: 32 20th Alden-Hartle Comment 1:  
 Station ID: Comment 2:  
 Location 1: Comment 3:  
 Location 2: Comment 4:  
 Location 3:  
 Location 4: Latitude: 0.000000  
 Longitude: 0.000000

10/19/2022	A to B, None Specified	B to A, None Specified	Total
Time			
12:00 AM	1	0	1
1:00	0	2	2
2:00	1	1	2
3:00	3	1	4
4:00	2	0	2
5:00	4	0	4
6:00	10	4	14
7:00	31	13	44
8:00	35	24	59
9:00	12	7	19
10:00	*	*	0
11:00	*	*	0
12:00 PM	*	*	0
1:00	*	*	0
2:00	*	*	0
3:00	*	*	0
4:00	*	*	0
5:00	*	*	0
6:00	*	*	0
7:00	*	*	0
8:00	*	*	0
9:00	*	*	0
10:00	*	*	0
11:00	*	*	0
Total	99	52	151
Percent	65.6%	34.4%	
AM Peak	8:00	8:00	8:00
Volume	35	24	59
PM Peak			
Volume			
Grand Total	1977	2012	3989
Percent	49.6%	50.4%	
ADT	ADT: 450		AADT: 450