



City of Laguna Hills Traffic Commission

Michael Caputo
Chair

Neel Patel
Vice Chair

Mark Jones
Commissioner

Scott Miller
Commissioner

Mark Schaff
Commissioner

Regular Meeting Agenda
Wednesday, January 21, 2026 - 6:00 PM

City Council Chamber
24035 El Toro Road
Laguna Hills, CA 92653

Any person wishing to address the Traffic Commission on any matter, whether or not it appears on this Agenda, is asked to complete a "Request to Speak" form available on the table at the back of the Chamber. The completed form is to be submitted to the Recording Secretary prior to an individual being heard by the Traffic Commission. Completion of the form is voluntary. All persons may attend the meeting regardless of whether this form is completed.

Members of the public wishing to address the Traffic Commission can do so during the Public Comments portion of the Agenda with a time limitation of three minutes per person, as determined by the Chair, for Public Comments. If you are commenting on an Agenda item, your comments will be heard at the time that item is scheduled on the Agenda. If you are addressing the Commission on an item not listed on the Agenda, the Traffic Commission is prohibited by law from discussing or taking any action on that item.

Call to Order

Resolution No. 96-04-09-1 established rules of decorum for public meetings held by the City of Laguna Hills. Resolution No. 96-04-09-1 is available on the table at the back of the City Council Chamber.

Pledge of Allegiance

Roll Call of Commissioner Members

Election of Chair

Recommendation: That the Traffic Commission Elect a New Chair.

Election of Vice Chair

Recommendation: That the Traffic Commission Elect a New Vice Chair.

1. Public Comment

This is the time to address the Traffic Commission on any matter not listed on this Agenda that is within the subject matter jurisdiction of the Commission. Public Comments are limited to three minutes per person as determined by the Chair.

2. Minutes Approval

2.1 Approval of Minutes for the November 19, 2025, Traffic Commission Meeting

Recommendation: That the Traffic Commission approve the minutes of the November 19, 2025, Traffic Commission meeting.

3. Presentations

4. Administrative Reports

4.1 Engineering and Traffic Survey for Speed Limits

Recommendation: That the Traffic Commission receive and file the report.

4.2 Review of Traffic Conditions on Grissom Road and Wilkes Place

Recommendation: That the Traffic Commission receive and file the report.

4.3 Review of Traffic Conditions on Ericson Way

Recommendation: That the Traffic Commission receive and file the report.

4.4 Parking Stall Delineation on Via Lomas

Recommendation: That the Traffic Commission recommend to the City Council that marked parallel parking "T's" be installed along Via Lomas.

4.5 Moulton Ranch Parking Prohibition During Street Sweeping History

Recommendation: That the Traffic Commission receive and file the report.

5. Informational Items

5.1 Sheriff's Department Verbal Report

5.2 City Engineer's Verbal Report

6. Commissioner Comments

Adjournment

The next Regular Meeting of the Traffic Commission will be March 18, 2026, at 6:00 p.m. in the City Council Chamber, located at 24035 El Toro Road, Laguna Hills, California.

CERTIFICATION

I, JOE AMES, P.E., T.E., Assistant City Manager of the City of Laguna Hills, do hereby certify that a copy of the foregoing Agenda was posted at Laguna Hills City Hall, Laguna Hills Community Center, and Knotty Pine Park by January 16, 2026, at 5:00p.m.



Joe Ames, P.E., T.E, Assistant City Manager

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, you should contact the office of the Public Works Director/City Engineer at (949) 707-2651. Notification 48 hours prior to the meeting will enable the City to make reasonable arrangements to assure access.

Materials related to an item on this Agenda submitted to the Commission after distribution of the Agenda packet are available for public inspection in the Public Services Department at 24035 El Toro Road, Laguna Hills, California, during normal business hours.

**CITY OF LAGUNA HILLS
TRAFFIC COMMISSION**

**REGULAR MEETING
MINUTES
Wednesday, November 19, 2025**

CALL TO ORDER

Resolution No. 96-04-09-1 established rules of decorum for public meetings held by the City of Laguna Hills. Resolution No. 96-04-09-1 is available on the table at the back of the City Council Chamber.

The meeting was called to order at 6:01 p.m. by Vice Chair Patel.

PLEDGE OF ALLEGIANCE

Vice Chair Patel led the pledge of Allegiance.

ROLL CALL OF COMMISSION MEMBERS

Attendee Name	Title	Status	Arrived
Mike Caputo	Chair	Absent	
Neel Patel	Vice Chair	Present	
Mark Jones	Commissioner	Present	
Scott Miller	Commissioner	Present	
Mark Schaff	Commissioner	Present	

1. PUBLIC COMMENTS

-Amanda Cobb, a resident, indicated she is very concerned about vehicular speed from traffic coming into the neighborhood from Paseo de Valencia.

-Nathan Gibbs, a resident, indicated he contacted the City eight years ago for the same vehicular speed concerns, and the subsequent traffic study did not warrant installation of a three-way stop or speed bumps. He requested assistance to stop traffic from cutting through the neighborhood from Alicia Parkway to Paseo de Valencia.

-Felisa Gibbs, a resident, agreed with the previous speakers regarding the concern for vehicular speed in her neighborhood. Ms. Gibbs requested a three-way stop and/or speed bumps. In addition, Ms. Gibbs read an email from her neighbor Ms. Thrippa regarding her concern of vehicular speed, and a second email from a second neighbor (no name given) who reiterated Ms. Gibbs

concerns regarding the neighborhood being a cut through and requested assistance with controlling vehicular speed.

-Wendy Wilcox, a resident, indicated the vehicular speed on Grissom is not getting better than when she last addressed the Traffic Commission. Ms. Wilcox said the neighborhood is a cut through from Alicia Parkway to Paseo de Valencia. Ms. Wilcox said she has addressed the Traffic Commission four times in nine years regarding these issues, and she is very disappointed. Ms. Wilcox requested the City to act on the residents' requests.

-Thor, a resident, indicated he rides his bike around the neighborhood while vehicles are speeding. Thor requested speed bumps to help control the vehicular speed. Thor requested speed bumps because the raised pavement markers do not work.

-Oscar Londono, a resident, suggested the City consider traffic circles as an effective alternative four-way stops. Mr. Londono also mentioned road bumps are an effective tool.

-Nick D'Antoni, a resident, read an email from his neighbor Carly Fliegler regarding her concern of vehicular speed and Grissom being used as a pass through from Alicia Parkway to Paseo de Valencia. Mr. D'Antoni read a second email from his neighbor Lia Berman, regarding Ms. Berman's concerns of vehicular speed and requested the City take action. Mr. D'Antoni mentioned there seems to be the same situation at the intersection of Pike Road and Grissom Road off La Paz Road, as there is at Grissom Road and Velasquez Road, but Pike Road and Grissom Road have a three-way stop. Mr. D'Antoni requested at a minimum, he would like to have a three-way stop and if possible, have a three-way stop with speed bumps.

-An electronic comment via email was received and read to the Traffic Commission from Michele Sparks regarding vehicular speed on Greenfield Drive and the 73 Toll Road in Nellie Gail. Ms. Sparks requested a traffic study, traffic calming measures and speed bumps at key entry points, including Greenfield Drive.

-Edna Weber, a resident, lives off Los Alisos in the Christina Court neighborhood. Ms. Weber is concerned about vehicular speeding on Los Alisos from Rockfield Boulevard to Paseo de Valencia. Ms. Weber said vehicles speed over the freeway and then have an abrupt stop at Los Alisos/Avenida de La Carlota/Christina Court, or the intersection of Los Alisos and Paseo de Valencia. Ms. Weber mentioned the County has closed the bike trail for construction so there is a large number of

kids on Los Alisos that usually cut through on the trail and she is concerned for their safety.

2. MINUTES

2.1 Minutes

Recommendation: That the Traffic Commission approve the minutes of the September 17, 2025, Traffic Commission meeting.

RESULT:	APPROVED [4-0]
MOVER:	Scott Miller, Commissioner
SECONDER:	Mark Jones, Commissioner
AYES:	Mark Jones, Commissioner, Scott Miller, Commissioner, Neel Patel, Vice Chair, Mark Schaff, Commissioner
NOES:	None
ABSENT:	Mike Caputo, Chair

3. PRESENTATIONS

There were no Presentations.

4. ADMINISTRATIVE REPORTS

4.1 Review of Avenida de la Carlota Safety Measures

Assistant Engineer Smantha Vu reviewed the information provided in the staff report and responded to Commissioner requests for additional information.

-Oscar Londono, a resident, indicated the speed feedback sign would be confusing because the speed limit changes within a short distance. The feedback sign is one of the most expensive options, and Mr. Londono thinks chevrons would be a more affordable and practical traffic control solution.

Recommendation: That the Traffic Commission recommend: 1. City staff implement “first step measures” identified in the Hartzog & Crabill, Inc., evaluation report by requesting increased speed enforcement by Police Services, and adding if practical and as determined by the City Engineer, Avenida de la Carlota on the speed trailer location rotational list, and 2. Return to the Traffic Commission in six months, or as soon as practical thereafter, with the results of any speed enforcement performed by Police Services, and direct City staff in their

professional judgement, to move proactively towards implementing more measures if practical and within budget as determined by the City Engineer.

RESULT:	APPROVED [4-0]
MOVER:	Mark Schaff, Commissioner
SECONDER:	Neel Patel, Vice Chair
AYES:	Mark Jones, Commissioner, Scott Miller, Commissioner, Neel Patel, Vice Chair, Mark Schaff, Commissioner
NOES:	None
ABSENT:	Mike Caputo, Chair

4.2 Nottingham Court at Devonshire Road Speeding and Multi-Way Stop Control Evaluation

Assistant Engineer Smantha Vu reviewed the information provided in the staff report and responded to Commissioner requests for additional information.

Oscar Londono, a resident, recommended a mini traffic circle instead of a multi-way stop control.

Recommendation: That the Traffic Commission receive and file the report.

RESULT:	APPROVED [4-0]
MOVER:	Mark Schaff, Commissioner
SECONDER:	Neel Patel, Vice Chair
AYES:	Mark Jones, Commissioner, Scott Miller, Commissioner, Neel Patel, Vice Chair, Mark Schaff, Commissioner
NOES:	None
ABSENT:	Mike Caputo, Chair

4.3 Exploring Citywide Street Sweeping Parking Restrictions

Assistant Engineer Samantha Vu reviewed the information provided in the staff report and responded to Commissioner requests for additional information.

-Bruce Freeman, a resident, indicated he lives on a corner and the two streets he lives on the residents do not know when the streets are swept, they leave their trash cans out long after trash day and debris is building up in the gutter that gets washed out to the ocean when it rains.

-Oscar Londono, a resident, indicated there are two aspects to this issue, enforcement and education. Mr. Londono said street sweeping signs are available online for individuals to purchase themselves and display to educate their neighbors.

Recommendation: That the Traffic Commission receive and file the report and recommend no changes to the existing street sweeping policy.

RESULT:	APPROVED [3-1-0]
MOVER:	Mark Schaff, Commissioner
SECONDER:	Scott Miller, Commissioner
AYES:	Mark Jones, Commissioner, Scott Miller, Commissioner, Mark Schaff, Commissioner
NOES:	Neel Patel, Vice Chair
ABSENT:	Mike Caputo, Chair

5. INFORMATIONAL ITEMS

5.1. Sheriff's Department Verbal Report

Administrative Sergeant Avalos provided a verbal report to the Commission.

5.2. City Engineer's Verbal Report

No report was given as Assistant City Manager/City Engineer Joe Ames was absent from the meeting (on vacation).

6. COMMISSIONER COMMENTS

Commissioner Miller – requested City staff place Citywide Street Sweeping Parking Restrictions on the agenda for January to discuss the legality/feasibility of neighborhoods using the same ordinance framework as permit parking to vote for no parking during the hours and days of street sweeping. Commissioner Miller complimented staff for receiving the late email, contacting Police Services and reaching out to the resident.

Vice Chair Patel – requested City staff agendaize painting T's on Via Lomas and agendaize vehicular speed and traffic on Grissom Road.

Vice Chair Patel, Commissioner Jones, Commissioner Miller, and Commissioner Schaff indicated there needs to be a larger discussion of how residential street speeding complaints are handled by the City.

Vice Chair Patel requested an overview of how streets are classified and what the characteristics of those streets are (stop sign controls, right-of-way width, etc.).

7. ADJOURNMENT

There being no further business before the Traffic Commission at this session, Vice Chair Patel declared the meeting adjourned at 8:35 p.m.

Julie Comella, Traffic Commission Secretary

ATTEST:

Neel Patel, Vice Chair

Approved at the meeting of January 21, 2025



City of Laguna Hills Traffic Commission Staff Report

Date: January 21, 2026
To: Traffic Commissioners
From: Samantha Vu, Assistant Engineer
Issue: Engineering and Traffic Survey for Speed Limits

Recommendation: That the Traffic Commission receive and file the report.

Background:

An Engineering and Traffic Survey (E&TS) is a mandatory engineering study that the City is required by law to update on a five to seven-year basis. This study reviews speed limit postings on all streets where speed enforcement is facilitated by the use of electronic devices, typically radar or laser measurements, by Police Services. The study analyzes roadway conditions, accident history, and driver behavior to establish any speed limits changes.

The City has contracted the City's traffic engineering consultants, Hartzog and Crabill, Inc. (HCI) to complete the E&TS study. The study will include a review of prevailing speed of traffic, accident records, and roadway conditions not readily apparent to the driver. The prevailing speed of traffic is determined by using the 85th percentile speed that motorists are driving at or below, as required by law. A Traffic Engineer will gather all the aforementioned information and compile a list of recommendations. Standard practice is that the 85th percentile is rounded down to the nearest 5 mph increment (e.g. 28 mph would become 25 mph). Most streets often remain unchanged; however, under certain circumstances, speed limits can potentially be reduced by an additional 5 mph for safety concerns like high pedestrian traffic or poor visibility.

Speed limits on the City's streets, except for defined residential streets, cannot be enforced by the use of electronic devices unless the speed limits are set following the

prescribed rules. CVC section 627 defines an engineering and traffic survey, attached. These rules are also found in the CVC section 40802, attached. This section requires that a speed limit is justified by an engineering and traffic survey and requires that the report be completed every five years and in certain circumstances, every seven years. Without an updated and current E&TS, any speed-related citations can be challenged in court as a “speed trap” per the California Vehicle Code (CVC). The City’s current E&TS is attached for reference. This report is scheduled to be completed this year to stay in compliance.

Fiscal Impact:

There is no fiscal impact associated with this report.

Attachments:

1. California Vehicle Code section 627
2. California Vehicle Code section 40802
3. Engineering and Traffic Survey, dated April 2020

State of California

VEHICLE CODE

Section 627

627. (a) “Engineering and traffic survey,” as used in this code, means a survey of highway and traffic conditions in accordance with methods determined by the Department of Transportation for use by state and local authorities.

(b) An engineering and traffic survey shall include, among other requirements deemed necessary by the department, 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.

(c) When conducting an engineering and traffic survey, local authorities, in addition to the factors set forth in paragraphs (1) to (3), inclusive, of subdivision (b) may consider all of the following:

(1) Residential density, if any of the following conditions exist on the particular portion of highway and the property contiguous thereto, other than a business district:

(A) Upon one side of the highway, within a distance of a quarter of a mile, the contiguous property fronting thereon is occupied by 13 or more separate dwelling houses or business structures.

(B) Upon both sides of the highway, collectively, within a distance of a quarter of a mile, the contiguous property fronting thereon is occupied by 16 or more separate dwelling houses or business structures.

(C) The portion of highway is longer than one-quarter of a mile but has the ratio of separate dwelling houses or business structures to the length of the highway described in either subparagraph (A) or (B).

(2) Safety of bicyclists and pedestrians, with increased consideration for vulnerable pedestrian groups including children, seniors, persons with disabilities, users of personal assistive mobility devices, and the unhoused.

(Amended by Stats. 2021, Ch. 690, Sec. 1. (AB 43) Effective January 1, 2022.)

State of California

VEHICLE CODE

Section 40802

40802. (a) A “speed trap” is either of the following:

(1) A particular section of a highway measured as to distance and with boundaries marked, designated, or otherwise determined in order that the speed of a vehicle may be calculated by securing the time it takes the vehicle to travel the known distance.

(2) A particular section of a highway with a prima facie speed limit that is provided by this code or by local ordinance pursuant to Section 22352, 22354, 22357, 22358, or 22358.3, if that prima facie speed limit is not justified by an engineering and traffic survey conducted within five years prior to the date of the alleged violation, and enforcement of the speed limit involves the use of radar or any other electronic device that measures the speed of moving objects. This paragraph does not apply to a local street, road, school zone, senior zone, business activity district, or speed limit adopted under Section 22358.7 or 22358.8.

(b) (1) For purposes of this section, a local street or road is one that is functionally classified as “local” on the “California Road System Maps,” that are approved by the Federal Highway Administration and maintained by the Department of Transportation. It may also be defined as a “local street or road” if it primarily provides access to abutting residential property and meets the following three conditions:

(A) Roadway width of not more than 40 feet.

(B) Not more than one-half of a mile of uninterrupted length. Interruptions shall include official traffic control signals as defined in Section 445.

(C) Not more than one traffic lane in each direction.

(2) For purposes of this section, “school zone” has the same meaning as defined in Section 22352.

(3) For purposes of this section, “senior zone” means that area approaching or passing a senior center building or other facility primarily used by senior citizens, or the grounds thereof that is contiguous to a highway and on which is posted a standard “SENIOR” warning sign, pursuant to Section 22352.

(4) For purposes of this section, “business activity district” means a section of highway described in subdivision (b) of Section 22358.9 in which a standard 25 miles per hour or 20 miles per hour speed limit sign has been posted pursuant to paragraph (1) of subdivision (a) of that section.

(c) (1) When all of the following criteria are met, paragraph (2) of this subdivision shall be applicable and subdivision (a) shall not be applicable:

(A) When radar is used, the arresting officer has successfully completed a radar operator course of not less than 24 hours on the use of police traffic radar, and the

course was approved and certified by the Commission on Peace Officer Standards and Training.

(B) When a laser or any other electronic device is used to measure the speed of moving objects, the arresting officer has successfully completed the training required in subparagraph (A) and an additional training course of not less than two hours approved and certified by the Commission on Peace Officer Standards and Training.

(C) (i) The prosecution proved that the arresting officer complied with subparagraphs (A) and (B) and that an engineering and traffic survey has been conducted in accordance with subparagraph (B) of paragraph (2). The prosecution proved that, prior to the officer issuing the notice to appear, the arresting officer established that the radar, laser, or other electronic device conformed to the requirements of subparagraph (D).

(ii) The prosecution proved the speed of the accused was unsafe for the conditions present at the time of alleged violation unless the citation was for a violation of Section 22349, 22356, or 22406.

(D) The radar, laser, or other electronic device used to measure the speed of the accused meets or exceeds the minimal operational standards of the National Highway Traffic Safety Administration, and has been calibrated within the three years prior to the date of the alleged violation by an independent certified laser or radar repair and testing or calibration facility.

(2) A “speed trap” is either of the following:

(A) A particular section of a highway measured as to distance and with boundaries marked, designated, or otherwise determined in order that the speed of a vehicle may be calculated by securing the time it takes the vehicle to travel the known distance.

(B) (i) A particular section of a highway or state highway with a prima facie speed limit that is provided by this code or by local ordinance under paragraph (1) of subdivision (b) of Section 22352, or established under Section 22354, 22357, 22358, or 22358.3, if that prima facie speed limit is not justified by an engineering and traffic survey conducted within one of the following time periods, prior to the date of the alleged violation, and enforcement of the speed limit involves the use of radar or any other electronic device that measures the speed of moving objects:

(I) Except as specified in subclause (II), seven years.

(II) If an engineering and traffic survey was conducted more than seven years prior to the date of the alleged violation, and a registered engineer evaluates the section of the highway and determines that no significant changes in roadway or traffic conditions have occurred, including, but not limited to, changes in adjoining property or land use, roadway width, or traffic volume, 14 years.

(ii) This subparagraph does not apply to a local street, road, or school zone, senior zone, business activity district, or speed limit adopted under Section 22358.4, 22358.7, or 22358.8.

(Amended by Stats. 2025, Ch. 555, Sec. 5. (AB 382) Effective January 1, 2026.)

**ENGINEERING AND TRAFFIC SURVEY
FOR SPEED LIMITS**

CITY OF LAGUNA HILLS

APRIL 2020

PREPARED FOR:

**CITY OF LAGUNA HILLS
24035 EL TORO ROAD
LAGUNA HILLS, CALIFORNIA 92653**

PREPARED BY:

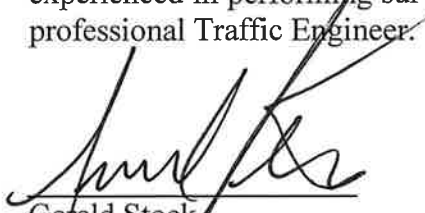
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TRAFFIC ENGINEERS
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CERTIFICATION

I, Gerald Stock, do hereby certify that this Engineering and Traffic Survey for the City of Laguna Hills was performed under my supervision and is accurate and complete. I certify that I am both experienced in performing surveys of this type and duly registered in the State of California as a professional Traffic Engineer.


Gerald Stock
RTE # 2049



**CITY OF LAGUNA HILLS
ENGINEERING AND TRAFFIC SURVEY FOR SPEED LIMITS**

Introduction

In accordance with procedures established by the State of California, this Engineering and Traffic Survey has been developed for the City of Laguna Hills as the basis for the establishment and enforcement of speed limits for selected streets within the City. The work provided herein was authorized by the City and was performed by the engineering consulting firm of Hartzog & Crabill. The goal of the review was two-fold. The first was to review new roadway segments to determine if speed limit postings should be recommended. The second involved a determination as to whether changes in pre-existing conditions have occurred where older speed limits should be modified.

The requirement to perform Engineering and Traffic surveys for speed limits is based on the California Vehicle Code (CVC). CVC Section 40802 states that at least once every five (5), seven (7) or ten (10) years, States and local agencies should re-evaluate non-statutory speed limits on segments of their roadways. Recent changes to the CA. MUCTD changed the policy and procedure for setting speed limits in California. Engineering and Traffic Surveys must be performed with the use of radar or other approved electronic devices if the use of radar is to be employed to enforce speed limits. If such a survey is not performed within five years (or seven years, or ten years as stated previously) of the date of the preceding survey, then the new data and its use will constitute a speed trap. Hence, evidence using such would not be admissible in court. From the Vehicle Code, a "speed trap" is either of the following:

(a) A particular section of a highway measured as to distance and with boundaries marked, designated, or otherwise determined in order that the speed of a vehicle may be calculated by securing the time it takes the vehicle to travel the known distance.

(b) A particular section of a highway with a prima facie speed limit provided by this code or by local ordinance under sub-paragraph (A) of paragraph (2) of subdivision (a) of Section 22352, or established pursuant to Section 22354, 22357, 22358, or 22358.3 if that prima facie speed limit is not justified by an engineering and traffic survey conducted within five years prior to the date of the alleged violation, and where enforcement involves the use of radar or other electronic devices that measures the speed of moving objects. This paragraph does not apply to a local street, road, or school zone.

The definition of a Traffic and Engineering Survey is contained in Section 627 of the Vehicle Code and is as follows:

Engineering and Traffic survey, as used in this code, means a survey of highway and traffic conditions in accordance with methods determined by the California Department of Transportation (Caltrans) for use by State and local authorities. An engineering and traffic survey shall include, among other requirements deemed necessary by the department, consideration of the following:

- (a) Prevailing speeds as determined by traffic engineering measurements.
- (b) Accident records.
- (c) Highway, traffic and roadside conditions not readily apparent to the driver.

The California Vehicle code has set certain regulations regarding the posting and enforcement of speed zones. These regulations generally reflect the viewpoint that speed zoning should be based on traffic conditions and natural driver behavior and not because of an arbitrary response to a traffic event or occurrence. Therefore, it is important to have a general understanding of the "Basic Speed Law", "Prima Facie Speed Limits" and "Intermediate Speed Zones".

Basic Speed Law (CVC 22350)

All fifty states base their speed regulations on the Basic Speed Law. In California, CVC 22350 defines the basic speed law as:

"No Person shall drive a vehicle upon a highway at a speed greater than is reasonable or prudent having due regard for weather, visibility, the traffic on, and the surface and width of the highway, and in no event at a speed which endangers the safety of persons or property."

This law recognizes that driving conditions vary widely from time-to-time and place-to-place and, therefore, no set of fixed driving rules will adequately serve all conditions. The motorist will constantly adjust their driving behavior to fit the conditions encountered, and must learn to do this with a minimum of assistance from the police. The Basic Speed Law is founded on the belief that a majority of motorists are able to modify their driving behavior properly, as long as they are aware of the conditions around them.

Prima Facie Speed Limits (CVC 22352)

All other speed limits are prima facie limits which, "on the face of it", are reasonable and prudent under normal conditions. The opportunity given to the driver to exceed a prima facie speed limit when it is safe to do so recognizes the fact that any posted speed limit cannot adequately reflect the many different conditions of traffic, weather, visibility, etc., that may be found on the same highway at different times.

Certain prima facie limits are automatically established by law (CVC 22352), including a 15 mph limit in alleys, blind intersections, blind railroad crossing, and the 25 mph limit in business and residence districts. There is also a part time 25 mph limit in school zones when children are present in route to or from school.

Business and residence districts are defined in the Vehicle Code as specific areas meeting a specified minimum density of roadside development. CVC Sections 235 and 515 define these regulations. A count of houses or active businesses facing on a highway must be made to determine whether or not a valid business or residence district exists. The law does not require posting these prima facie limits that are readily apparent.

Residence District (CVC 515)

A "residence district" is that portion of a highway and the property contiguous thereto, other than a business district, (a) upon one side of which highway, within a distance of a quarter of a mile, the contiguous property fronting thereon is occupied by 13 or more separate dwelling houses or business structures, or (b) upon both sides of which highway, collectively, within a distance of a quarter of a mile, the contiguous property fronting thereon is occupied by 16 or more separate dwelling houses or business structures. A residence district may be longer than one-quarter of a mile if the above ratio of separate dwelling houses or business structures to the length of the highway exists.

Establishment of Speed Zones

The reason that speed limit areas and their required postings are done is to guard reasonable drivers from the unreasonable behavior of reckless, unreliable, or otherwise dangerous drivers. As with other similar laws, the limits identified are based on the consensus of the majority of those who drive the highway as to what speed is reasonable and safe. It is this type of information that is reflected in the analysis section of this report. Namely, posted speed limits are a reflection of that speed which most people deem to be safe as opposed to a minority of drivers who do not drive in a reasonable manner.

Speed zones are also established to advise of road conditions or hazards that may not be readily apparent to a reasonable driver. For that reason, a field review of related road/traffic variables is conducted which considers the analytical data and accident history of a particular roadway segment to determine a safe and reasonable speed limit.

Data Collection Procedures

Speed evaluation data was collected at 61 different segments on 29 different roadways in the City of Laguna Hills. These areas and the number of segments on each are described as follows:

- | | |
|------------------------------|------------------------------|
| 1. Alameda Ave (1) | 16. Lake Forest Drive (2) |
| 2. Alicia Parkway (4) | 17. Los Alisos Boulevard (1) |
| 3. Aliso Hills Drive (2) | 18. Louisa Street (1) |
| 4. Avenida De La Carlota (3) | 19. Mill Creek Drive (1) |
| 5. Beckenham Street (1) | 20. Moulton Parkway (5) |
| 6. Bridlewood Drive (2) | 21. Nellie Gail Road (4) |
| 7. Cabot Road (4) | 22. Oso Parkway (4) |
| 8. El Toro Road (1) | 23. Paseo De Valencia (6) |
| 9. Gallup Circle (1) | 24. Rapid Falls Road (1) |
| 10. Gordon Road (1) | 25. Ridge Route Drive (2) |
| 11. Greenfield Drive (1) | 26. San Remo Drive (1) |
| 12. Hon Avenue (1) | 27. Santa Maria Avenue (1) |
| 13. Indian Hill Lane (1) | 28. Santa Vittoria Drive (2) |
| 14. La Paz Road (5) | 29. Vista Viejo Road (1) |
| 15. Laguna Hills Drive (1) | |

As described in various traffic engineering documents - including information provided by the State of California, the individual locations on which radar data collection procedures were used involved considerations for the following:

- a. Stop sign or traffic signal locations;
- b. Visibility issues;
- c. Traffic flow at intersections, cross-traffic, major driveways, crosswalks, railroad crossings and unusual turning movements;
- d. The influence of other traffic factors on the speed of cars: such as on street parking, roadway features, adjacent land uses, and lighting.

Speed Zoning Methodology

The Manual on Uniform Traffic Control Devices, California Supplement (MUTCD CA. Supplement) specifies a “short method of determining speed limits on City and County Through Highways, Arterial and Collector Roads Procedures.

Introduction - This short method of speed zoning is based on the premise that the reasonable speed limit is one that conforms to the actual behavior of the majority of motorists, and that by measuring motorist speeds, one will be able to select a speed limit that is both reasonable and effective. Other factors that need to be considered include, but are not limited to: the most recent three-year collision record, roadway design speed, safe stopping sight distance, superelevation, shoulder conditions, profile conditions, intersection spacing and offsets, commercial driveway characteristics, pedestrian traffic in the roadway without sidewalks.

Speed Zone Survey

- Only one person is required for the fieldwork. Speeds can be read directly from a radar speed meter.
- A section of road should be selected with representative operating speeds. If speeds vary on a given road, additional surveys should be conducted. In this case, it may be necessary to establish additional speed zones with different speed limits. The section selected should be straight and should have no traffic signal, stop sign or intersection with a major cross street.
- Speed measurements should be taken during off-peak hours on weekdays. The weather should be fair with no unusual conditions prevailing. It is important that the surveyor and his equipment be so inconspicuous as not to affect traffic speeds. For this reason, an unmarked car is recommended, with the radar speed meter located as inconspicuously as possible. It should be placed so as to be able to survey traffic in both directions, and should not make an angle greater than 15 degrees with the roadway center line.
- It is desirable to have a minimum sample of 100 automobiles in each survey. This may result in excessive survey periods for low-volume roads. Under these conditions, the survey should be conducted for a minimum of two hours, but in no case should the sample for any survey contain less than 50 automobiles.

- The MUTCD with California Supplement states that speed limits are established at or near the 85th percentile speed, which is defined as that speed at or below which 85 percent of the traffic is moving. This speed can be selected directly from the data sheet. However, roadway conditions not readily apparent to the motorist such as vertical or horizontal curves or other roadway conditions that may impact sight distance may result in a further reduction of 5 mph in the recommended speed limit.

- As a check on the validity of the proposed speed limit, an analysis should be made of the two-year accident record for the section of roadway under consideration. If this record shows an abnormally high percentage of accidents normally associated with excessive speeds, the proposed speed limit should be further reduced. This is a judgement situation, and will not usually be a factor,

- Short speed zones of less than half a mile should be avoided, except in transition areas.

- Speed zone changes should be coordinated with changes in roadway conditions or roadway development.

- Speed zoning in 5 mile per hour increments should be avoided if possible. A 10-mile per hour increment is preferable.

- Speed zoning should be coordinated between adjacent jurisdictions.

Local Street Exemptions (CVC 40802)

Many streets are designated as "Local" streets per CVC 40802. These streets are exempt from the radar study. Therefore, the speed limit for these streets does not require an Engineering and Traffic Survey. The code is as follows:

For the purpose of this section, local streets and roads shall be defined by the latest functional usage and federal aid system maps as submitted to the Federal Highway Administration. When these maps have not been submitted, the following definition shall be used: A local street or road primarily provides access to abutting residential property and shall meet the following three conditions:

1. Roadway width of not more than 40 feet.
2. Not more than one half mile of uninterrupted length.
3. Not more than one traffic lane in each direction.

Other Considerations

Every street should be inspected for unusual traffic, roadway and roadside conditions not readily apparent to a motorist. A check should be made of the adequacy of traffic control devices, roadway alignment, width surface conditions, accident history and any unique traffic hazards that

Radar Collection Time-Frames

The hours of radar operation were restricted to off-peak periods (when possible) for heavily traveled streets and to uncongested peak periods on lightly traveled streets. All surveys were conducted in fair weather.

The radar unit was mounted at the top of the front dash of an unmarked vehicle with the meter-reading unit sustained inside the vehicle. The radar unit's calibration was checked periodically using a tuning fork.

The radar operator and assistant recorded the speed meter readings for each location on Radar Speed Survey Field Sheets included in the appendix of this report. A representative sampling of at least 100 vehicles were surveyed in each direction or a cumulative sample of 200 vehicles for both directions where possible. On low volume roads, where a total sample of 200 vehicles would result in an excessive time period, sampling was continued until a representative bell-shaped frequency distribution was attained.

Analysis Factors

Several factors were used as input to our recommendations for speed limits. These include the 85th Percentile, the 10 MPH Pace and others. These are described in detail below.

1. The **CRITICAL SPEED**, or the 85th percentile is defined as that speed at or below which 85 percent of the traffic is moving. From experience, traffic engineers have found that this is one of the most reliable factors in determining appropriate speed limits.

Hence, the accepted practice, and one that has been used in this case is to set the speed limit at or near the critical speed. This recognizes that other factors could be present where the above may not be appropriate. When this procedure is used, it not only conforms to that required by the State but it also provides a strong base for law enforcement personnel to properly enforce speed limits.

2. The **10 MPH PACE** is that continuous 10 mph incremental range of speeds in which the largest number of recorded vehicles is contained. It is a measure of the dispersion of speeds within the sample surveyed. For this element, the accepted practice to the greatest extent possible, is to try and keep the recommended speed limit within the 10 mph pace after considering the critical speed and any factors requiring a speed lower than the critical speed.
3. The **MEDIAN (MIDDLE) SPEED**, or 50th percentile speed, represents the mid-point value within the range of recorded speeds for a particular roadway location. In other words, 50% of the vehicles travel faster than, and 50% travel slower than the median speeds. This value is another measure of the central tendency of the vehicle speed distribution.
4. The **15th PERCENTILE SPEED** is that speed at or below which 15% of the vehicles are traveling. This value is important in determining the minimum allowable speed limit, given

that the vehicles traveling below this speed tend to obstruct the flow of traffic, thereby increasing the accident potential.

5. **MODAL SPEED:** The modal speed is the speed, which occurs most frequently in the distribution (the most). It serves as another useful measure in verifying the correct recommendation for speed limits.
6. **STANDARD DEVIATION:** This is a mathematical element, which relates to measures of dispersion of data. It is used to assist in describing the center of speed distribution information around the arithmetic mean or the time mean speed. It also is used in the overall review of recommended speed limits and serves to verify the level of confidence of data used in making recommendations.
7. The **MEAN (AVERAGE)** is the sum of the speeds of the samples divided by the number of samples.

The numerical values of the above factors are derived from the speed distribution curves calculated for each survey location. These distribution curves represent a method of graphic analysis that compares the cumulative percentage of vehicles to the speed at which the vehicles are traveling.

Field Review

In addition to the availability of the above statistical data, a significant aspect of speed limit recommendations is based on the field review. Its importance is that existing conditions may warrant a lower speed than is actually indicated by the application of survey data. Examples of the field data collected for the purposes of analyzing related roadway characteristics as they pertain to the determination of appropriate speed limits are listed below:

1. Segment length, width and alignment
2. Level of pedestrian activity
3. Traffic flow characteristics
4. Vertical and/or horizontal curves.
5. Driver sight distance constraints.
6. Adjacent residential/commercial/industrial etc. zoning.
7. Number of lanes and other channelization/stripping factors
8. Frequency of intersections, driveways and on street parking;
9. Location of stop signs, traffic signals, and other regulatory traffic control devices;
10. Roadway conditions, bumps and dips;
11. Obstructions to pedestrian visibility;
12. Land use and proximity of schools;
13. Uniformity with existing speed zones to/with adjacent jurisdictions;
14. Any other unusual conditions not readily apparent to the driver.

The results of the field review of related road/traffic variables are summarized on the Engineering and Traffic Survey forms found in the Appendix of this report.

Accident History

The Engineering and Traffic Survey forms summarize the available two-year accident information for the subject streets. The accident information includes the total number of accidents within each street segment and of those accidents, the number that are speed-related. This information was obtained from the California Statewide Integrated Traffic Records System (SWITRS) for the City of Laguna Hills.

The annual accident rate figures represent the number of speed-related accidents divided by years of accident records. The evaluation of accidents is useful as a check on the accuracy of recommended or existing speed limits. Should this review show a high percentage of accidents associated with excessive speeds, then consideration based on professional traffic engineering judgement should be directed toward reducing the posted or recommended speed limit.

Results and Recommendations

The following Summaries: No Speed Limit Changes, New Speed Limit Postings, Speed Limit Increases, Speed Limit Reductions and Summary of Recommendations presents the results of the radar survey for the selected 61 locations. As shown, the Summary of Recommendations chart presents the necessary analysis elements that in addition to the field review of a registered traffic engineer led to the recommendations indicated.

Locations of “No Speed Limit Changes”

The Summary indicates that 61 of the 61 segments studied are recommended for no speed limit changes. The reason centers mostly on the fact that the newly measured values of the 85th percentile and the 10 MPH pace are still within the parameters of the existing speed limits. Additional factors such as the presence of horizontal or vertical curves reducing sight distance form the basis in some instances of our recommendation. Therefore, the current postings should remain as is. At two of these locations, only one direction of travel is posted and is listed for no change in the speed limit. Hence, the other direction should be posted for consistency. These segments noted as “install”, as well as the segments recommended for “No Change” are listed below:

Alameda Avenue

Aliso Hills Dr to La Paz Rd	Remain posted at 25 mph
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Alicia Parkway

South City Limits to Moulton Pkwy	Remain posted at 45 mph
Moulton Pkwy to Paseo De Valencia	Remain posted at 45 mph
Paseo De Valencia to Costeau Dr	Remain posted at 45 mph
Costeau Dr to I-5 Freeway	Remain posted at 40 mph

Aliso Hills Drive

Alicia Pkwy to Alameda Ave	Remain posted at 35 mph
Alameda Ave to La Paz Rd	Remain posted at 35 mph

Avenida De La Carlota

Lake Forest Dr to Ridge Route Dr Remain posted at 45 mph
Ridge Route Dr to Paseo De Valencia Remain posted at 40 mph
Paseo De Valencia to Los Alisos Bl Remain posted at 40 mph

Beckenham Street

Paseo De Valencia to East End Remain posted at 30 mph

Bridlewood Drive

Nellie Gail Rd to Oso Pkwy Remain posted at 25 mph
Oso Pkwy to Laurel Crest Remain posted at 30 mph

Cabot Road

La Paz Rd to Paseo De Valencia Remain posted at 45 mph
Paseo De Valencia to Oso Pkwy Remain posted at 45 mph
Oso Pkwy to SCL (850' s/o Oso) Remain posted at 45 mph
Rapid Falls Rd to SCL (800' s/o Rapid Falls) Remain posted at 45 mph

El Toro Road

I-5 Fwy to Paseo De Valencia Remain posted at 35 mph

Gallup Circle

La Paz Rd to Nellie Gail Rd Remain posted at 25 mph

Gordon Road

Moulton Pkwy to East End Remain posted at 25 mph

Greenfield Drive

Hidden Trail Dr to Route 73 (SCL) Remain posted at 30 mph

Hon Avenue

Julie Ave to Alicia Pkwy Remain posted at 25 mph

Indian Hill Lane

Laguna Hills Dr to Moulton Pkwy Remain posted at 30 mph

La Paz Road

West City Limits to Moulton Pkwy Remain posted at 45 mph
Moulton Pkwy to Aliso Hills Dr Remain posted at 50 mph
Aliso Hills Dr to Paseo De Valencia Remain posted at 45 mph
Paseo De Valencia to Rickenbacker Rd Remain posted at 40 mph
Rickenbacker Rd to I-5 Fwy Remain posted at 35 mph

Laguna Hills Drive

Moulton Pkwy to Paseo De Valencia Remain posted at 45 mph

Lake Forest Drive

Santa Vittoria Dr to Moulton Pkwy
Moulton Pkwy to I-5 Fwy

Remain posted at 45 mph
Remain posted at 40 mph

Los Alisos Boulevard

I-5 Fwy to Paseo De Valencia

Remain posted at 40 mph

Louisa Street

Moulton Pkwy to Lupita

Remain posted at 30 mph

Mill Creek Drive

Lake Forest Dr to Ridge Route Dr

Remain posted at 30 mph

Moulton Parkway

Lake Forest Dr to El Pacifico
El Pacifico to Santa Maria Ave
North City Limits to Via Lomas
Via Lomas to La Paz Rd
La Paz Rd to I-73

Remain posted at 45 mph
Remain posted at 45 mph
Remain posted at 50 mph
Remain posted at 45 mph
Remain posted at 45 mph

Nellie Gail Road

Bridlewood Dr to Dapple Grey (N)
Dapple Grey (N) to Oso Pkwy
Oso Pkwy to Hidden Trail Rd
Lost Colt to Moulton Pkwy

Remain posted at 25 mph
Remain posted at 30 mph
Remain posted at 25 mph
Remain posted at 30 mph

Oso Parkway

West City Limits to Moulton Pkwy
Moulton Pkwy to Nellie Gail Rd
Nellie Gail Rd to Bridlewood Dr
Bridlewood Dr to I-5 Fwy

Install 45 mph Eastbound
Remain posted at 50 mph
Remain posted at 50 mph
Remain posted at 50 mph

Paseo Dr Valencia

Avendia De La Carlota to El Toro Rd
El Toro Rd to Los Alisos Bl
Los Alisos Bl to Laguna Hills Dr
Laguna Hills Dr to Alicia Pkwy
Alicia Pkwy to La Paz Rd
La Paz Rd to Cabot Rd

Remain posted at 35 mph
Remain posted at 40 mph
Remain posted at 45 mph
Remain posted at 45 mph
Remain posted at 45 mph
Remain posted at 45 mph

Rapid Falls Road

Cabot Rd to Lost Trail Rd

Remain posted at 25 mph

Ridge Route Drive

Avenida De La Carlota to Moulton Pkwy
Moulton Pkwy to Santa Vittoria

Remain posted at 45 mph
Remain posted at 45 mph

<u>San Remo Drive</u> Santa Vittoria to Santa Maria Ave	Remain posted at 30 mph
<u>Santa Maria Avenue</u> San Remo Dr to Santa Vittoria Dr	Remain posted at 40 mph
<u>Santa Vittoria</u> Lake Forest Dr to Ridge Route Dr Ridge Route Dr to Santa Maria Ave	Remain posted at 30 mph Remain posed at 30 mph
<u>Vista Viejo</u> Devonshire Rd to East City Limits	Remain posted at 30 mph

Support Explanations of “No Speed Limit Changes”

The following are support explanations for the three roadway segments that the recommended speed limit is 5 mph lower or more than the newly measured 85th percentile speed.

Bridlewood Drive

Nellie Gail Road to Oso Parkway

This portion of Bridlewood is a two lane residential roadway. The posted speed limit is 25 mph. Based upon the 85th percentile speed of 32.0 mph, the CVC suggests a 30 mph speed limit. However, due to (1) equestrian trails and crossings, (2) solely single-family residential dwellings, (3) many areas of limited sight distance at the steep grades and curving nature of the roadway, and mainly (4) the sight distance at 26211 Bridlewood Drive is approximately 195 feet and the required minimum sight distance for 30 mph is 200 feet. Therefore, it is recommended that the 25 mph speed limit be maintained.

Oso Parkway to Laurel Crest

This portion of Bridlewood is a two lane roadway. The posted speed limit is 30 mph. Based upon the 85th percentile speed of 36.0 mph, the CVC suggests a 35 mph speed limit. However, due to (1) the residential nature of the area, (2) steep grades and curving nature of the roadway, (3) areas of limited sight distance, and (4) with a vertical curve north of Aprian the sight distance exiting said street is approximately 210 feet and the CVC required distance for a 35 mph speed limit is 250 feet. Consequently it is recommended that the 30 mph speed limit be maintained.

La Paz Road

Alisos Hills Drive to Paseo De Valencia

This section of La Paz Road is a four lane arterial roadway. Field observations include a speed limit of 45 mph, areas of gradual to moderate horizontal and vertical curves, "No Parking Entire Block", narrow shoulders, and an advance warning "Signal Ahead" flashing beacon (eastbound). Due to a vertical curve the sight distance exiting Monte Vista is approximately 410 feet and the sight distance for a potential speed increase to 50 mph is 430 feet. Therefore, the limited sight distance justifies the recommendation for maintaining the 45 mph speed limit.

Nellie Gail Road

Bridlewood Drive to Dapple Grey (N)

This portion of Nellie Gail Road is a two lane roadway. The posted speed is 25 mph. The speed study results show an 85th percentile speed of 30.3 mph and a 10 mph pace range of 23 to 32 mph. Although the speed data suggests a 30 mph posting, given the existing conditions of frequent driveways, equestrian trails and crossing, and the several areas of limited sight distance due to the horizontal and vertical curves, it is recommended that the existing 25 mph remain.

Oso Parkway

West City Limits to Moulton Parkway

The section of Oso Parkway is a six lane roadway. Adjacent land uses are commercial, business and Route 73 overpass. Field notes state this segment is a short 0.13 mile section with bus stops, painted bike lanes, narrow shoulders, no parking anytime, and has a 45 mph speed sign posted westbound only. The speed study resulted with an 85th percentile speed of 46.9 mph and a 10 mph pace range 39 to 48 mph. It is recommended that the existing 45 mph speed limit remain. For enforcement, it is recommended that a 45 mph speed sign be installed eastbound.

Rapid Falls Road

Cabot Road to Lost Trail Drive

This section of Rapid Falls Road is a two lane roadway. The speed study results show an 85th percentile speed of 31.8 mph and a 10 mph pace range of 25 to 34 mph. With the area consisting of the majority of residential, with many driveways fronting the roadway, a neighborhood park, moderate roadway curves and grades, and several areas of limited sight distance, with the residential nature of the area, it is recommended that the existing 25 mph be maintained.

**CITY OF LAGUNA HILLS
SUMMARY OF RECOMMENDATIONS**

STREET LOCATION	EXISTING SPEED LIMIT	RECOMMENDED SPEED LIMIT	85 TH PERCENTILE SPEED	AVERAGE SPEED	10 MPH PACE RANGE	PERCENT OF VEHICLES IN PACE	RECOMMENDATION - JUSTIFICATION
<u>ALAMEDA AVENUE</u>							
ALISO HILLS DR TO LA PAZ RD	25	25	29.9	26.5	22-31	87.1	NO CHANGE – 85 TH PERCENTILE
<u>ALICIA PARKWAY</u>							
SOUTH CITY LIMITS TO MOULTON PKWY	45	45	47.3	42.0	40-49	66.9	NO CHANGE – 85 TH PERCENTILE
MOULTON PKWY TO PASEO DE VALENCIA	45	45	48.8	43.6	40-49	63.0	NO CHANGE – 85 TH PERCENTILE
PASEO DE VALENCIA TO COSTEAU DR	45	45	49.0	43.8	40-49	70.2	NO CHANGE – 85 TH PERCENTILE
COSTEAU DR TO I-5 FREEWAY	40	40	42.7	37.8	34-43	72.4	NO CHANGE – 85 TH PERCENTILE
<u>ALISO HILLS DRIVE</u>							
ALICIA PKWY TO ALAMEDA AVE	35	35	38.0	35.1	31-40	91.0	NO CHANGE – 85 TH PERCENTILE
ALAMEDA AVE TO LA PAZ RD	35	35	39.3	34.2	30-39	75.4	NO CHANGE – 85 TH PERCENTILE
<u>AVENIDA DE LA CARLOTA</u>							
LAKE FOREST DR TO RIDGE ROUTE DR	45	45	49.4	43.1	40-49	61.3	NO CHANGE – 85 TH PERCENTILE
RIDGE ROUTE DR TO PASEO DE VALENCIA	40 / 25*	40	42.6	39.7	35-44	85.5	NO CHANGE – 85 TH PERCENTILE
PASEO DE VALENCIA TO LOS ALISOS BLVD	40	40	43.1	39.5	35-44	81.9	NO CHANGE – 85 TH PERCENTILE
<u>BECKENHAM STREET</u>							
PASEO DE VALENCIA TO EAST END	30	30	30.9	28.3	25-34	83.0	NO CHANGE – 85 TH PERCENTILE

*25 MPH When Children Present, School Zone

STREET LOCATION	EXISTING SPEED LIMIT	RECOMMENDED SPEED LIMIT	85 TH PERCENTILE SPEED	AVERAGE SPEED	10 MPH PACE RANGE	PERCENT OF VEHICLES IN PACE	RECOMMENDATION - JUSTIFICATION
<u>BRIDLEWOOD DRIVE</u>							
NELLIE GAIL RD TO OSO PKWY	25	25	32.0	27.5	25-34	76.0	NO CHANGE - RESIDENTIAL / LIMITED SIGHT DISTANCE
OSO PKWY TO LAUREL CREST	30	30	36.0	31.5	28-37	78.2	NO CHANGE - RESIDENTIAL / LIMITED SIGHT DISTANCE
<u>CABOT ROAD</u>							
LA PAZ RD TO PASEO DE VALENCIA	45	45	47.6	42.8	40-49	70.3	NO CHANGE - 85 TH PERCENTILE
PASEO DE VALENCIA TO OSO PKWY	45	45	47.8	44.5	40-49	79.9	NO CHANGE - 85 TH PERCENTILE
OSO PKWY TO SCL (850' s.OSO PKWY)	45	45	46.5	42.7	38-47	70.6	NO CHANGE - 85 TH PERCENTILE
RAPID FALLS RD TO SCL (800' S. RAPID FALLS)	45	45	47.8	43.5	40-49	69.3	NO CHANGE - 85 TH PERCENTILE
<u>EL TORO ROAD</u>							
I-5 FREEWAY TO PASEO DE VALENCIA	35	35	37.5	32.4	28-37	70.2	NO CHANGE - 85 TH PERCENTILE
<u>GALLUP CIRCLE</u>							
LA PAZ RD TO NELLIE GAIL RD	25	25	27.0	24.1	20-29	88.9	NO CHANGE - 85 TH PERCENTILE
<u>GORDON ROAD</u>							
MOULTON PKWY TO EAST END	25	25	26.3	21.8	18-27	83.0	NO CHANGE - 85 TH PERCENTILE
<u>GREENFIELD DRIVE</u>							
HIDDEN TRAIL DR TO ROUTE 73 FWY (SCL)	30	30	31.7	26.8	23-32	78.6	NO CHANGE - 85 TH PERCENTILE
<u>HON AVENUE</u>							
JULIE AVE TO ALICIA PKWY	25	25	29.9	26.6	23-32	91.0	NO CHANGE - 85 TH PERCENTILE

STREET LOCATION	EXISTING SPEED LIMIT	RECOMMENDED SPEED LIMIT	85 TH PERCENTILE SPEED	AVERAGE SPEED	10 MPH PACE RANGE	PERCENT OF VEHICLES IN PACE	RECOMMENDATION - JUSTIFICATION
<u>INDIAN HILL LANE</u>							
LAGUNA HILLS DR TO MOULTON PKWY	30	30	34.0	29.3	25-34	77.6	NO CHANGE – 85 TH PERCENTILE
<u>LA PAZ ROAD</u>							
WEST CITY LIMITS (I-73) TO MOULTON PKWY	45	45	47.2	43.1	40-49	74.3	NO CHANGE– 85 TH PERCENTILE
MOULTON PKWY TO ALISO HILLS DR	50	50	52.4	48.2	45-54	74.0	NO CHANGE– 85 TH PERCENTILE
ALISO HILLS DR TO PASEO DE VALENCIA	45 / 25*	45 / 25*	51.3	46.2	43-52	72.3	NO CHANGE– 85 TH PERCENTILE / LIMITED SIGHT DISTANCE
PASEO DE VALENCIA TO RICKENBACKER RD	40 / 25*	40 / 25*	44.8	39.6	35-44	69.0	NO CHANGE– 85 TH PERCENTILE
RICKENBACKER RD TO I-5 FREEWAY	35	35	39.7	34.4	31-40	71.2	NO CHANGE– 85 TH PERCENTILE
<u>LAGUNA HILLS DRIVE</u>							
MOULTON PKWY TO PASEO DE VALENCIA	45 / 25*	45 / 25*	48.6	44.4	40-49	71.7	NO CHANGE – 85 TH PERCENTILE
<u>LAKE FOREST DRIVE</u>							
SANTA VITTORIA DR TO MOULTON PKWY	45	45	47.7	43.7	39-48	78.7	NO CHANGE – 85 TH PERCENTILE
MOULTON PKWY TO I-5 FREEWAY	40	40	42.7	38.7	35-44	84.6	NO CHANGE– 85 TH PERCENTILE
<u>LOS ALISOS BOULEVARD</u>							
I-5 FREEWAY TO PASEO DE VALENCIA	40	40	43.1	37.7	34-43	69.0	NO CHANGE– 85 TH PERCENTILE
<u>LOUISA STREET</u>							
MOULTON PKWY TO LUPITA ST	30	30	31.1	27.5	24-33	88.3	NO CHANGE – 85 TH PERCENTILE

*25 MPH When Children Present, School Zone

STREET LOCATION	EXISTING SPEED LIMIT	RECOMMENDED SPEED LIMIT	85 TH PERCENTILE SPEED	AVERAGE SPEED	10 MPH PACE RANGE	PERCENT OF VEHICLES IN PACE	RECOMMENDATION - JUSTIFICATION
<u>MILL CREEK DRIVE</u>							
LAKE FOREST DR TO RIDGE ROUTE DR	30 / 25*	30	32.7	28.7	25-34	82.9	NO CHANGE – 85 TH PERCENTILE
<u>MOULTON PARKWAY</u>							
LAKE FOREST DR TO EL PACIFICO	45	45	47.8	42.9	38-47	71.3	NO CHANGE – 85 TH PERCENTILE
EL PACIFICO TO SANTA MARIA AVE	45	45	47.8	41.6	38-47	64.5	NO CHANGE – 85 TH PERCENTILE
NORTH CITY LIMITS TO VIA LOMAS	50	50	51.2	46.2	43-52	67.4	NO CHANGE – 85 TH PERCENTILE
VIA LOMAS TO LA PAZ RD	45	45	47.3	42.6	37-46	66.7	NO CHANGE – 85 TH PERCENTILE
LA PAZ RD TO I-73 FREEWAY	45	45	46.3	40.7	37-46	71.5	NO CHANGE – 85 TH PERCENTILE
<u>NELLIE GAIL ROAD</u>							
CABOT RD TO GALLUP CIRCLE	25	-	-	-	-	-	2014 RECOMMEND ESTABLISH AS RESIDENCE DISTRICT CVC 515 *DOES NOT REQUIRE CONTINUED SPEED SURVEYS*
GALLUP CIRCLE TO BRIDLEWOOD DR	25	-	-	-	-	-	2008 ESTABLISHED AS RESIDENCE DISTRICT CVC 515 *DOES NOT REQUIRE CONTINUED SPEED SURVEYS*
BRIDLEWOOD DR TO DAPPLE GREY (N)	25	25	30.3	26.4	23-32	81.7	NO CHANGE – LIMITED SIGHT DISTANCE / RESIDENTIAL NATURE
DAPPLE GREY (N) TO OSO PKWY	30	30	34.2	30.6	27-36	86.4	NO CHANGE – 85 TH PERCENTILE
OSO PKWY TO HIDDEN TRAIL RD	25	25	29.9	25.7	23-32	82.8	NO CHANGE – 85 TH PERCENTILE
HIDDEN TRAIL RD TO LOST COLT	25	-	-	-	-	-	2008 ESTABLISHED AS RESIDENCE DISTRICT CVC 515 *DOES NOT REQUIRE CONTINUED SPEED SURVEYS*
LOST COLT TO MOULTON PKWY	30	30	32.2	27.2	23-32	76.6	NO CHANGE – 85 TH PERCENTILE

*25 = 25 MPH WHEN CHILDREN PRESENT * DOES NOT REQUIRE CONTINUED SPEED SURVEYS*

STREET LOCATION	EXISTING SPEED LIMIT	RECOMMENDED SPEED LIMIT	85 TH PERCENTILE SPEED	AVERAGE SPEED	10 MPH PACE RANGE	PERCENT OF VEHICLES IN PACE	RECOMMENDATION - JUSTIFICATION
<u>OSO PARKWAY</u>							
WEST CITY LIMITS TO MOULTON PKWY	45 WB	45	46.9	42.2	39-48	73.1	NO CHANGE - 85 TH PERCENTILE / POST EB
MOULTON PKWY TO NELLIE GAIL RD	50	50	54.8	49.2	46-55	66.9	NO CHANGE - 85 TH PERCENTILE
NELLIE GAIL RD TO BRIDLEWOOD DR	50	50	53.4	48.4	42-51	66.2	NO CHANGE - 85 TH PERCENTILE
BRIDLEWOOD DR TO I-5 FREEWAY	50	50	52.2	46.9	44-53	70.0	NO CHANGE - 85 TH PERCENTILE
<u>PASEO DE VALENCIA</u>							
AVENIDA DE LA CARLOTA TO EL TORO RD	35	35	37.6	33.1	28-37	74.3	NO CHANGE - 85 TH PERCENTILE
EL TORO RD TO LOS ALISOS BLVD	40	40	42.3	38.4	35-44	76.1	NO CHANGE - 85 TH PERCENTILE
LOS ALISOS BLVD TO LAGUNA HILLS DR	45	45	47.4	42.7	38-47	73.5	NO CHANGE - 85 TH PERCENTILE
LAGUNA HILLS DR TO ALICIA PKWY	45 / 25*	45	45.9	40.8	36-45	66.7	NO CHANGE - 85 TH PERCENTILE
ALICIA PKWY TO LA PAZ RD	45 / 25*	45	49.7	44.5	40-49	73.7	NO CHANGE - 85 TH PERCENTILE
LA PAZ RD TO CABOT RD	45 / 25*	45	46.9	43.7	40-49	77.2	NO CHANGE - 85 TH PERCENTILE
<u>RAPID FALLS ROAD</u>							
CABOT RD TO LOST TRAIL DR	25	25	31.8	28.6	25-34	84.3	NO CHANGE - LIMITED SIGHT DISTANCE / RESIDENTIAL NATURE
LOST TRAIL DR TO HIDDEN TRAIL ROAD	25	-	-	-	-	-	2008 ESTABLISHED AS RESIDENCE DISTRICT CVC 515 DOES NOT REQUIRE CONTINUED SPEED SURVEYS
<u>RIDGE ROUTE DRIVE</u>							
AVENIDA DE LA CARLOTA TO MOULTON PKWY	45	45	45.7	41.0	37-46	80.5	NO CHANGE - 85 TH PERCENTILE
MOULTON PKWY TO SANTA VITTORIA	45	45	46.1	40.4	37-46	65.8	NO CHANGE - 85 TH PERCENTILE

*25 MPH When Children Present, School Zone, WB = Westbound, EB = Eastbound

STREET LOCATION	EXISTING SPEED LIMIT	RECOMMENDED SPEED LIMIT	85 TH PERCENTILE SPEED	AVERAGE SPEED	10 MPH PACE RANGE	PERCENT OF VEHICLES IN PACE	RECOMMENDATION - JUSTIFICATION
<u>SAN REMO DRIVE</u>							
SANTA VITTORIA DR TO SANTA MARIA AVE	30	30	31.5	28.2	25-34	93.6	NO CHANGE – 85 TH PERCENTILE
<u>SANTA MARIA AVENUE</u>							
SAN REMO DR TO SANTA VITTORIA DR	40 / 25*	40	41.8	37.5	32-41	77.3	NO CHANGE – 85 TH PERCENTILE
<u>SANTA VITTORIA</u>							
LAKE FOREST DR TO RIDGE ROUTE DR	30	30	32.3	29.0	25-34	88.7	NO CHANGE – 85 TH PERCENTILE
RIDGE ROUTE DR TO SANTA MARIA AVE	30 / 25*	30 / 25*	34.9	29.9	27-36	88.2	NO CHANGE – 85 TH PERCENTILE
<u>VISTA VIEJO</u>							
DEVONSHIRE RD TO EAST CITY LIMITS	30	30	32.1	28.5	25-34	88.0	NO CHANGE – 85 TH PERCENTILE

*25 MPH When Children Present, School Zone

APPENDIX A

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



ALAMEDA AVENUE

ALISO HILLS DR TO LA PAZ RD

DATE: 1/29/2020

SURVEY BY: C. BUENDIA

TIME: 1:15 PM - 2:15 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	SOUTH OF EL PRADO
DATE OF SURVEY	1/29/2020
85th PERCENTILE	29.9 MPH
10 MPH PACE	22 - 31 MPH
PERCENT IN PACE	87.1 %
POSTED SPEED LIMIT	25 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	1
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	1,600
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	STOP - ALISO HILLS / EL PRADO / LA PAZ
CROSSWALKS	AT ALISO HILLS
PEDESTRIAN/BICYCLES	FEW / NO
TRUCK TRAFFIC	NO
ON-STREET PARKING	YES
OTHER	"STRICT ENFORCEMENT AREA" SIGNS POSTED "WATCH DOWNHILL SPEED" SIGNS POSTED

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.58
VERTICAL CURVE	CONSTANT MODERATE UPHILL GRADE (NB)
HORIZONTAL CURVE	GRADUAL-MODERATE "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / NO
STREET LIGHTING	YES
OTHER	

ADJACENT LAND USE	RESIDENTIAL (F+NF)**
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RECOMMENDED SPEED LIMIT	25 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended 25 mph speed limit is within 4.9 mph of the 85th percentile speed and meets CVC standards.

** RESIDENTIAL (non-fronting to roadway, separated by brick walls or landscaped hillsides) F+NF = fronting + non-fronting File: Alameda 2020-01
Note: City has periodic speed studies conducted, and "Strict Enforcement Area" and "Watch Downhill Speed" signs

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

ALAMEDA AVENUE

ALISO HILLS DR TO LA PAZ RD

DATE: 1/29/2020

SURVEY BY:

C. BUENDIA

TIME: 1:15 PM - 2:15 PM

CHECKED BY:

JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	100.0%
53					X	100.0%
52					X	100.0%
51					X	100.0%
50					X	100.0%
49					X	100.0%
48					X	100.0%
47					X	100.0%
46					X	100.0%
45					X	100.0%
44					X	100.0%
43					X	100.0%
42					X	100.0%
41					X	100.0%
40					X	100.0%
39					X	99.2%
38					X	99.2%
37					X	99.2%
36					X	98.4%
35					X	97.6%
34					X	97.6%
33					X	96.8%
32					X	95.2%
31					X	91.9% }PACE
30					X	85.5% }PACE
29					X	78.2% }PACE ---85PCT
28					X	70.2% }PACE
27					X	56.5% }PACE
26					X	43.5% }PACE ---MEAN
25					X	36.3% }PACE
24					X	21.8% }PACE
23					X	12.9% }PACE ---15PCT
22					X	8.9% }PACE
21					X	4.8%
20	X					1.6%
19	X					0.8%
18	X					0.0%
17	X					0.0%
16	X					0.0%
15	X					0.0%

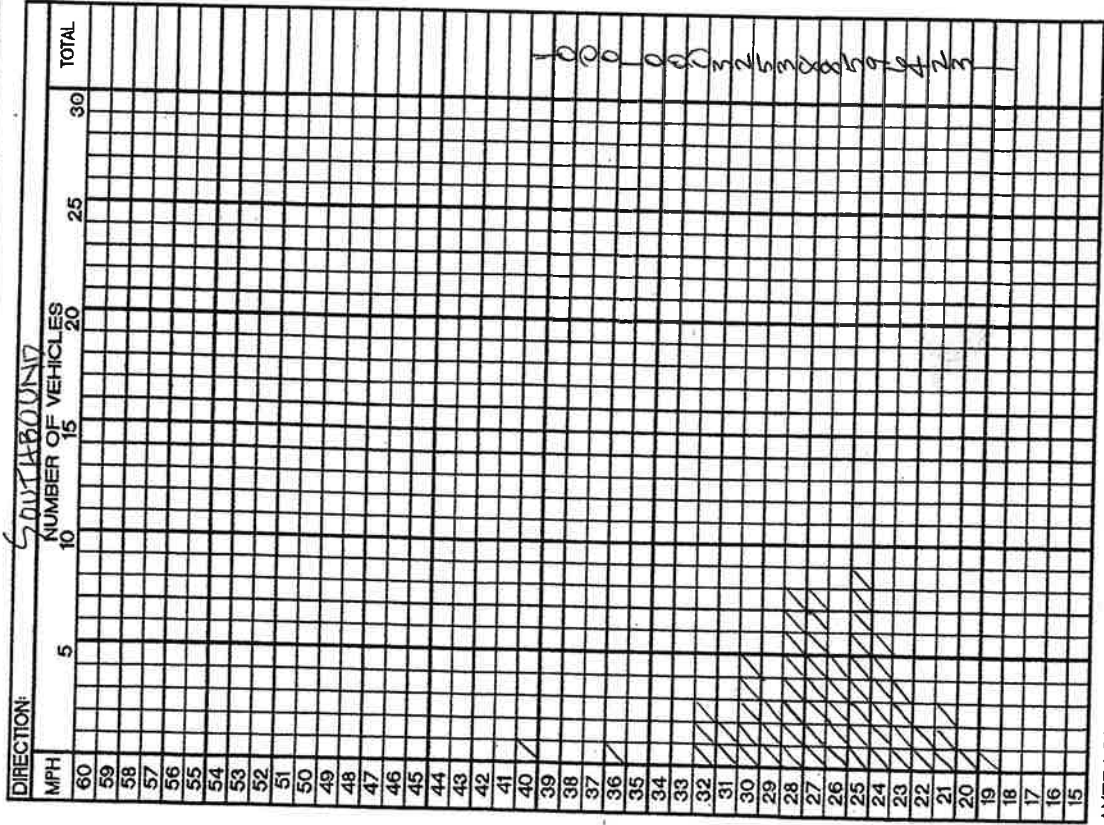
UPPER LIMIT 10 MPH PACE: 31 MPH
 LOWER LIMIT 10 MPH PACE: 22 MPH
 PERCENT OVER PACE: 8.1 %
 PERCENT IN PACE: 87.1 %
 PERCENT UNDER PACE: 4.8 %

85th PERCENTILE SPEED: 29.9 MPH
 MEDIAN SPEED: 26.5 MPH
 15th PERCENTILE SPEED: 23.2 MPH

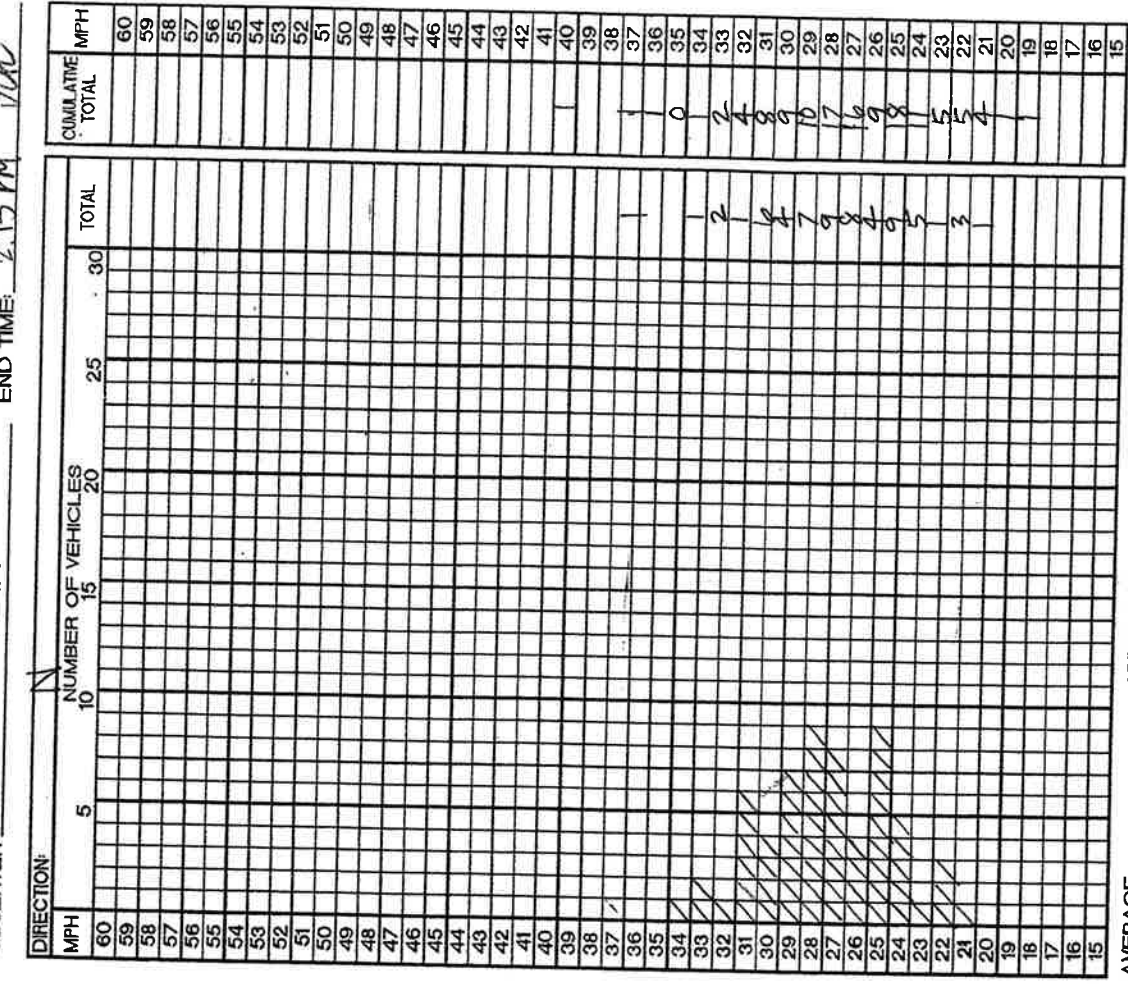
Radar Speed Survey Field Sheet

HARTZOG AND CRIBELL INC.
Company Name, Address, City, State, Zip
11521 Hwy 99, Berkeley, CA 94702
(415) 331-2425

AGENCY: CITY OF LAGUNA HILLS
STREET: ALAMEDA AVENUE
LOCATION: ALISO HILLS DR TO LA PAZ RD
WEATHER: SUNNY
ROAD CONDITION: DRY
OBSERVER: CATHY BUENDIA
DATE: 01-29-2020
START TIME: 1:15 PM
END TIME: 2:15 PM 1/UR



AVERAGE SPEED: _____ PACE SPEED: _____
CRITICAL SPEED: _____
CUMULATIVE (BOTH DIRECTIONS) _____



AVERAGE SPEED: _____ PACE SPEED: _____
CRITICAL SPEED: _____
CUMULATIVE TOTAL _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



ALICIA PARKWAY

SOUTH CITY LIMITS TO MOULTON PKWY

DATE: 1/29/2020
 TIME: 12:10 PM - 12:50 PM

SURVEY BY: C. BUENDIA
 CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	EAST OF RAMONA
DATE OF SURVEY	1/29/2020
85th PERCENTILE	47.3 MPH
10 MPH PACE	40 - 49 MPH
PERCENT IN PACE	66.9 %
POSTED SPEED LIMIT	45 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	1
TOTAL ACCIDENTS	7
ANNUAL ACCIDENT RATE	0.50 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.14 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	43,100
LANE CONFIGURATION	3 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - MOULTON / RAMONA
CROSSWALKS	AT MOULTON / RAMONA
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	YES
ON-STREET PARKING	NO PARKING ANYTIME ENTIRE BLOCK
OTHER	BIKE ROUTE / BUS STOPS

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.23
VERTICAL CURVE	SLIGHT UP-DOWNHILL GRADES
HORIZONTAL CURVE	GRADUA "S" CURVE
LATERAL VISIBILITY	GOOD
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / NO
STREET LIGHTING	YES
OTHER	RAISED MEDIAN ISLAND NARROW SHOULDERS

ADJACENT LAND USE	RESIDENTIAL (NF)**
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RECOMMENDED SPEED LIMIT	45 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
 This recommended 45 mph is within 2.3 mph of the 85th percentile speed and meets CVC standards.

** RESIDENTIAL (non-fronting to roadway, separated by brick walls or landscaped hillsides)
 F+NF = fronting + non-fronting

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

ALICIA PARKWAY

DATE: 1/29/2020

TIME: 12:10 PM - 12:50 PM

SOUTH CITY LIMITS TO MOULTON PKWY

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	99.4%
57					X	98.9%
56					X	98.3%
55					X	98.3%
54					X	97.7%
53					X	96.6%
52					X	96.6%
51					X	95.4%
50					X	94.9%
49					X	92.6% }PACE
48					X	88.0% }PACE
47					X	84.0% }PACE ---85PCT
46					X	78.9% }PACE
45					X	74.9% }PACE
44					X	67.4% }PACE
43					X	60.6% }PACE
42					X	50.3% }PACE
41					X	42.3% }PACE ---MEAN
40					X	36.0% }PACE
39					X	25.7%
38					X	23.4%
37					X	18.3%
36					X	15.4%
35					X	13.1% ---15PCT
34					X	7.4%
33					X	4.6%
32					X	3.4%
31					X	2.3%
30	X					1.1%
29	X					0.0%
28	X					0.0%
27	X					0.0%
26	X					0.0%
25	X					0.0%
24	X					0.0%
23	X					0.0%
22	X					0.0%
21	X					0.0%
20	X					0.0%
19	X					0.0%
18	X					0.0%
17	X					0.0%
16	X					0.0%
15	X					0.0%

UPPER LIMIT 10 MPH PACE: 49 MPH
 LOWER LIMIT 10 MPH PACE: 40 MPH
 PERCENT OVER PACE: 7.4 %
 PERCENT IN PACE: 66.9 %
 PERCENT UNDER PACE: 25.7 %

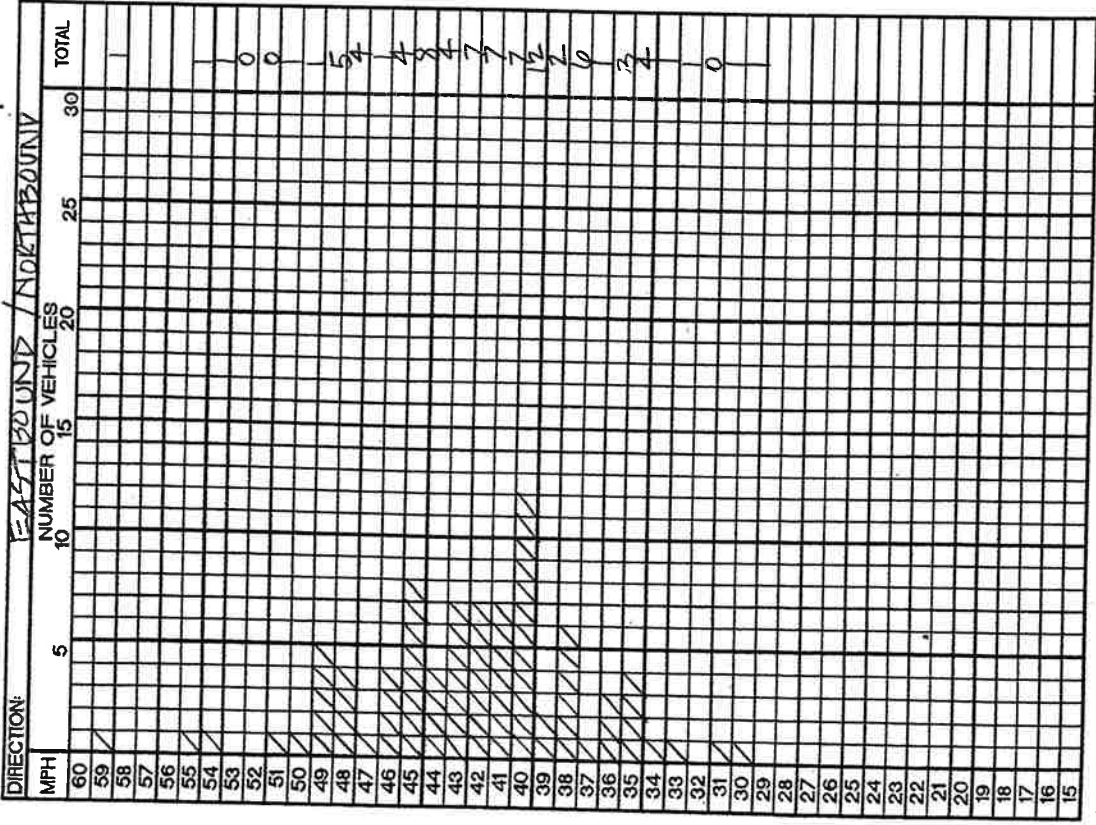
85th PERCENTILE SPEED: 47.3 MPH
 MEDIAN SPEED: 42.0 MPH
 15th PERCENTILE SPEED: 35.8 MPH

Radar Speed Survey Field Sheet

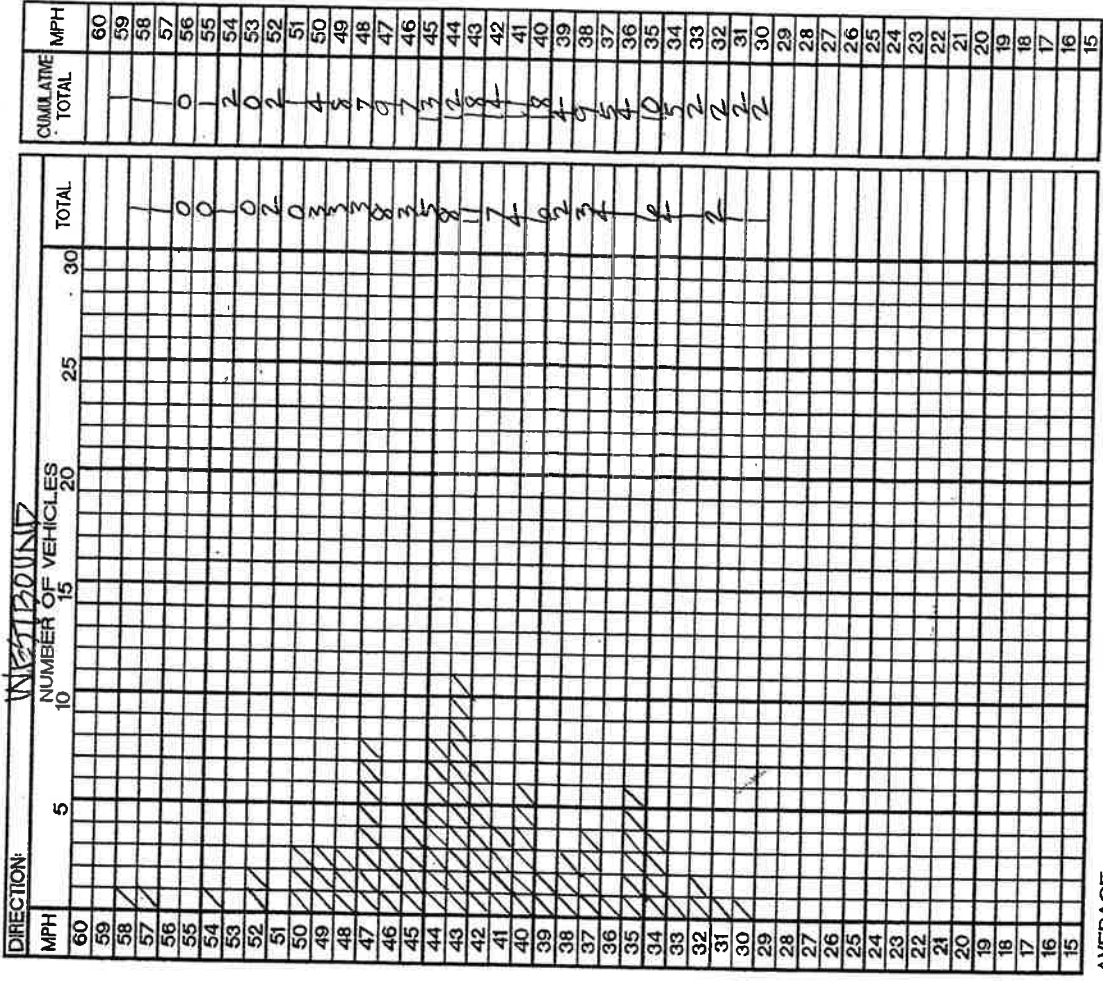
HARTZOG AND CRIBELL INC.
 CONSULTING ENGINEERS
 11251 Santa Monica Blvd, Suite 100, Torrance, CA 90505
 (310) 331-9303

AGENCY: CITY OF LAGUNA HILLS
 STREET: Alicia Parkway
 LOCATION: SOUTH CITY LIMIT TO MOUNTAIN PARKWAY

WEATHER: SUNNY
 ROAD CONDITION: DRY
 OBSERVER: CATHY BUENDIA
 DATE: 01-29-2020
 START TIME: 12:10 PM
 END TIME: 12:50 PM V.L.C.



AVERAGE SPEED: _____ PACE SPEED: _____
 CRITICAL SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____



AVERAGE SPEED: _____ PACE SPEED: _____
 CRITICAL SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



ALICIA PARKWAY

MOULTON PKWY TO PASEO DE VALENCIA

DATE: 1/29/2020

SURVEY BY: C. BUENDIA

TIME: 11:30 AM - 12:00 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	EAST OF ALISO HILLS
DATE OF SURVEY	1/29/2020
85th PERCENTILE	48.8 MPH
10 MPH PACE	40 - 49 MPH
PERCENT IN PACE	63.0 %
POSTED SPEED LIMIT	45 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	2
TOTAL ACCIDENTS	21
ANNUAL ACCIDENT RATE	1.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.08 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	44,500
LANE CONFIGURATION	3 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - MOULTON / ALISO HILLS / COMMUNITY CTR / PASEO DE VALENCIA
CROSSWALKS	AT MOULTON / ALISO HILLS / COMMUNITY CTR (sch) / PASEO DE VALENCIA (sch)
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	YES
ON-STREET PARKING	NO PARKING ANYTIME ENTIRE BLOCK
OTHER	BIKE ROUTE / BUS STOPS RxR XING

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.74
VERTICAL CURVE	SLIGHT UPHILL GRADES (EB)
HORIZONTAL CURVE	GRADUAL - MODERATE "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE (areas of slight)
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / NO
STREET LIGHTING	YES
OTHER	RAISED MEDIAN ISLAND

ADJACENT LAND USE	RESIDENTIAL (NF)** / COMMERCIAL / REGIONAL PARK / COMMUNITY CENTER
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RECOMMENDED SPEED LIMIT	45 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended 45 mph speed limit is within 3.3 mph of the 85th percentile speed and meets CVC standards.

** RESIDENTIAL (non-fronting to roadway, separated by brick walls or landscaped hillsides)
F+NF = fronting + non-fronting

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

ALICIA PARKWAY

DATE: 1/29/2020

TIME: 11:30 AM - 12:00 PM

MOULTON PKWY TO PASEO DE VALENCIA

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	99.0%
53					X	98.5%
52					X	97.0%
51					X	91.0%
50					X	89.5%
49					X	86.0% }PACE
48					X	79.5% }PACE ---85PCT
47					X	73.0% }PACE
46					X	67.5% }PACE
45					X	62.0% }PACE
44					X	53.0% }PACE
43					X	46.0% }PACE ---MEAN
42					X	43.0% }PACE
41					X	35.0% }PACE
40					X	31.0% }PACE
39					X	23.0%
38					X	18.5%
37					X	13.5% ---15PCT
36					X	7.5%
35					X	5.5%
34					X	3.0%
33					X	2.0%
32					X	0.5%
31					X	0.5%
30					X	0.5%
29					X	0.0%
28					X	0.0%
27					X	0.0%
26					X	0.0%
25					X	0.0%
24					X	0.0%
23					X	0.0%
22					X	0.0%
21					X	0.0%
20					X	0.0%
19					X	0.0%
18					X	0.0%
17					X	0.0%
16					X	0.0%
15					X	0.0%

UPPER LIMIT 10 MPH PACE: 49 MPH
 LOWER LIMIT 10 MPH PACE: 40 MPH
 PERCENT OVER PACE: 14.0 %
 PERCENT IN PACE: 63.0 %
 PERCENT UNDER PACE: 23.0 %

85th PERCENTILE SPEED: 48.8 MPH
 MEDIAN SPEED: 43.6 MPH
 15th PERCENTILE SPEED: 37.3 MPH

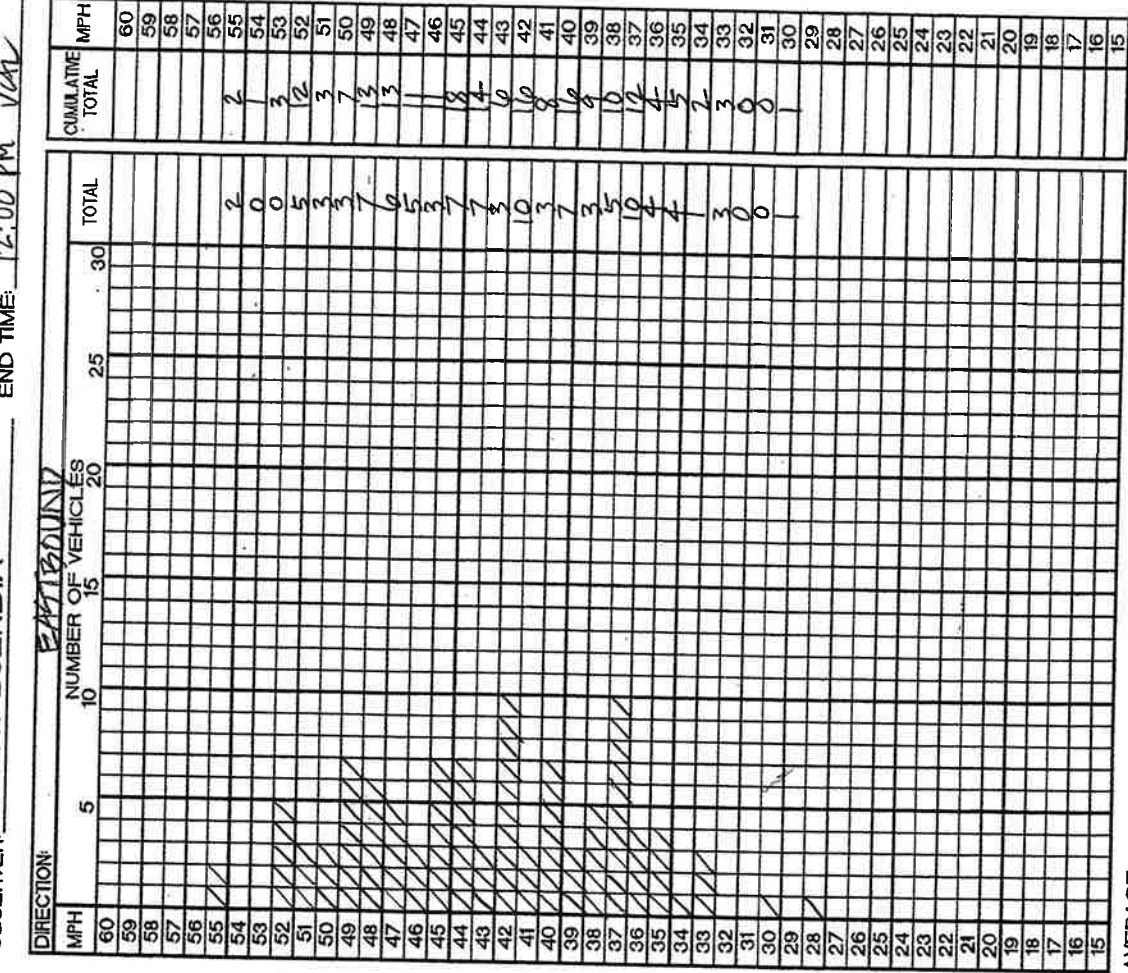
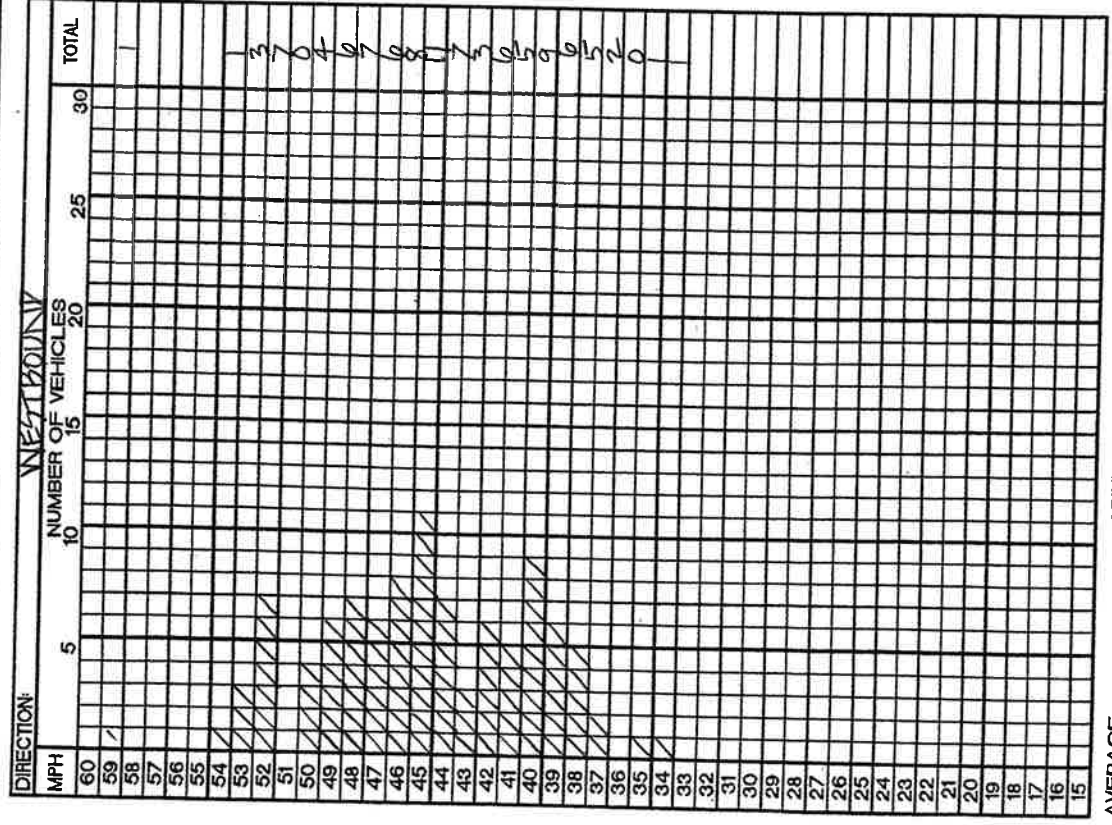
Radar Speed Survey Field Sheet

HARTZOG AND CRABILL INC.
Consulting Traffic Engineers
11991 Ingle Blvd., Suite 122 Ingle, CA 92609
(714) 331-8155

AGENCY: CITY OF LAGUNA HILLS
STREET: ALICIA PARKWAY
LOCATION: MOULTON PKWY TO PASO DE VALENCIA

WEATHER: SUNNY
ROAD CONDITION: DRY
OBSERVER: CATHY BUENDIA

DATE: 01-29-2020
START TIME: 11:30 AM
END TIME: 12:00 PM



AVERAGE SPEED: _____ PACE SPEED: _____
 CRITICAL SPEED: _____ CRITICAL SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



ALICIA PARKWAY

PASEO DE VALENCIA TO COSTEAU DR

DATE: 1/29/2020
TIME: 10:45 AM - 11:15 AM

SURVEY BY: C. BUENDIA
CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	EAST OF WILKES
DATE OF SURVEY	1/29/2020
85th PERCENTILE	49.0 MPH
10 MPH PACE	40 - 49 MPH
PERCENT IN PACE	70.2 %
POSTED SPEED LIMIT	45 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	1
TOTAL ACCIDENTS	20
ANNUAL ACCIDENT RATE	0.50 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.04 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	51,200
LANE CONFIGURATION	3 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - PASEO DE VALENCIA / WILKES / COSTEAU
CROSSWALKS	AT PASEO DE VALENCIA (sch) / WILKES (sch) / COSTEAU
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	YES
ON-STREET PARKING	NO PARKING ANYTIME ENTIRE BLOCK
OTHER	BIKE ROUTE / BUS STOPS

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.65
VERTICAL CURVE	SLIGHT UP/DOWNHILL GRADES
HORIZONTAL CURVE	GRADUAL "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / FEW
STREET LIGHTING	YES
OTHER	RAISED MEDIAN ISLAND

ADJACENT LAND USE	RESIDENTIAL (NF)** / COMMERCIAL
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RECOMMENDED SPEED LIMIT	45 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended 45 mph speed limit is within 4.0 mph of the 85th percentile speed and meets CVC standards.

** RESIDENTIAL (non-fronting to roadway, separated by brick walls or landscaped hillsides)
F+NF = fronting + non-fronting

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

ALICIA PARKWAY

DATE: 1/29/2020

TIME: 10:45 AM - 11:15 AM

PASEO DE VALENCIA TO COSTEAU DR

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	98.9%
54					X	98.3%
53					X	97.2%
52					X	95.0%
51					X	91.7%
50					X	87.3%
49					X	85.1% }PACE
48					X	78.5% }PACE ---85PCT
47					X	72.4% }PACE
46					X	68.0% }PACE
45					X	61.3% }PACE
44					X	51.9% }PACE
43					X	43.1% }PACE ----MEAN
42					X	38.1% }PACE
41					X	28.7% }PACE
40					X	24.3% }PACE
39					X	14.9% ---15PCT
38					X	13.3%
37					X	8.8%
36					X	7.7%
35					X	5.0%
34					X	2.8%
33					X	1.7%
32					X	1.7%
31					X	0.0%
30					X	0.0%
29					X	0.0%
28					X	0.0%
27					X	0.0%
26					X	0.0%
25					X	0.0%
24					X	0.0%
23					X	0.0%
22					X	0.0%
21					X	0.0%
20					X	0.0%
19					X	0.0%
18					X	0.0%
17					X	0.0%
16					X	0.0%
15					X	0.0%

UPPER LIMIT 10 MPH PACE: 49 MPH
 LOWER LIMIT 10 MPH PACE: 40 MPH
 PERCENT OVER PACE: 14.9 %
 PERCENT IN PACE: 70.2 %
 PERCENT UNDER PACE: 14.9 %

85th PERCENTILE SPEED: 49.0 MPH
 MEDIAN SPEED: 43.8 MPH
 15th PERCENTILE SPEED: 39.0 MPH

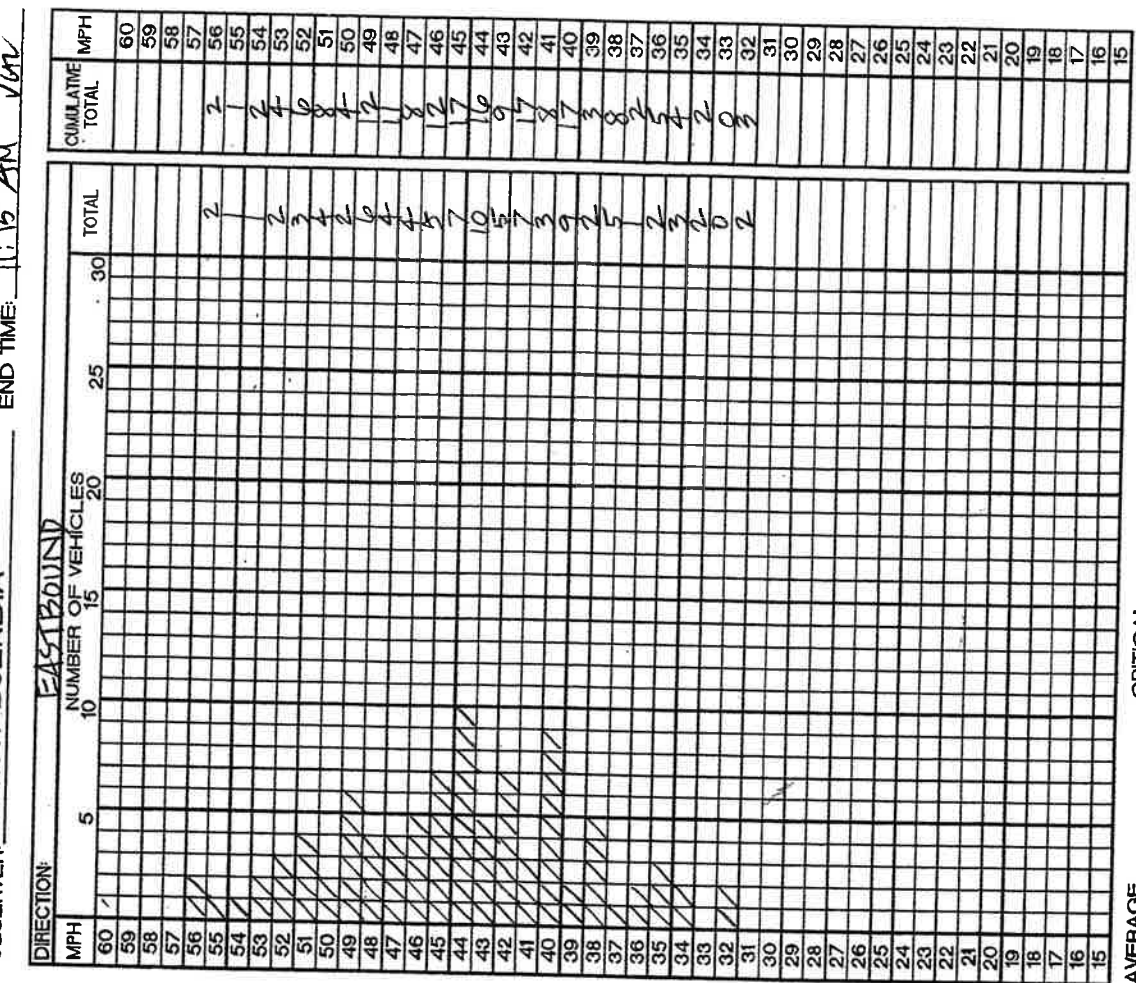
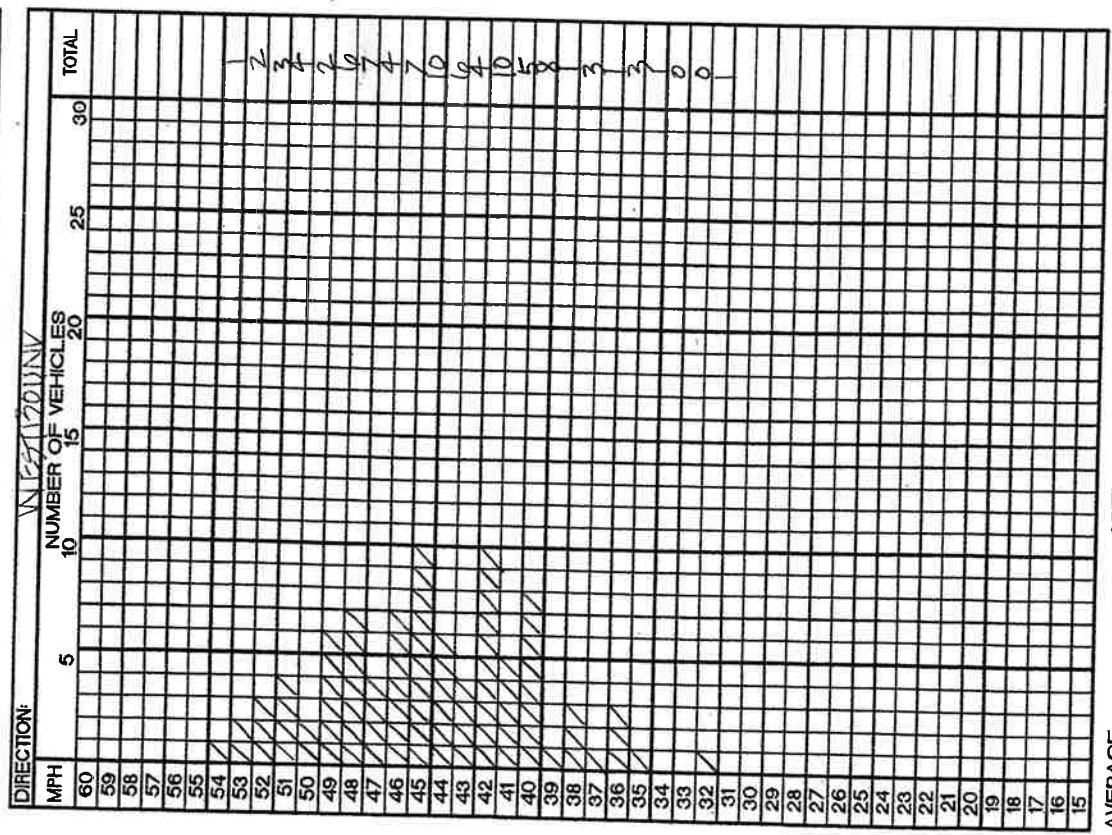
HARTZOG AND CRABILL INC.
Consulting Traffic Engineers
11591 Lake Blvd., Suite 122 Lake CA 92650
(714) 731-9105

Radar Speed Survey Field Sheet

AGENCY: CITY OF LAKEMANA HILLS
STREET: ALICIA PARKWAY
LOCATION: PASEO DE VALENCIA TO COSTEAU DR.

WEATHER: SUNNY
ROAD CONDITION: DRY
OBSERVER: CATHY BUENDIA

DATE: 01-29-2020
START TIME: 10:45 AM
END TIME: 11:15 AM



AVERAGE SPEED: _____ PACE SPEED: _____
CRITICAL SPEED: _____
CUMULATIVE (BOTH DIRECTIONS) _____

AVERAGE SPEED: _____ PACE SPEED: _____
CRITICAL SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



ALICIA PARKWAY

COSTEAU DR TO I-5 FREEWAY

DATE: 1/29/2020

SURVEY BY: C. BUENDIA

TIME: 10:15 AM - 10:45 AM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	WEST OF HON
DATE OF SURVEY	1/29/2020
85th PERCENTILE	42.7 MPH
10 MPH PACE	34 - 43 MPH
PERCENT IN PACE	72.4 %
POSTED SPEED LIMIT	40 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	7
TOTAL ACCIDENTS	27
ANNUAL ACCIDENT RATE	3.50 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.50 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	53,300
LANE CONFIGURATION	3 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - COSTEAU / HON / I-5 FWY SB
CROSSWALKS	AT COSTEAU / HON / I-5 FWY SB
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	YES
ON-STREET PARKING	NO PARKING ANYTIME ENTIRE BLOCK
OTHER	BIKE ROUTE / BUS STOPS DENSE TRAFFIC NEAR FWY

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.36
VERTICAL CURVE	SLIGHT-GRADUAL UP/DOWNHILL GRADES
HORIZONTAL CURVE	GRADUAL "C" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE (areas of slight)
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / YES
STREET LIGHTING	YES
OTHER	RAISED MEDIAN ISLAND SHORT DISTANCE BTWN INTERSECTIONS

ADJACENT LAND USE	RESIDENTIAL (NF)** / COMMERCIAL / I-5 FWY
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RECOMMENDED SPEED LIMIT	40 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended 40 mph speed limit is within 2.7 mph of the 85th percentile speed and meets CVC standards.

** RESIDENTIAL (non-fronting to roadway, separated by brick walls or landscaped hillsides)
F+NF = fronting + non-fronting

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

ALICIA PARKWAY

DATE: 1/29/2020

TIME: 10:15 AM - 10:45 AM

COSTEAU DR TO I-5 FREEWAY

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 100.0%
58						X 100.0%
57						X 100.0%
56						X 100.0%
55						X 100.0%
54						X 100.0%
53						X 100.0%
52						X 100.0%
51						X 100.0%
50						X 100.0%
49						X 100.0%
48						X 100.0%
47						X 100.0%
46						X 98.0%
45						X 94.7%
44						X 89.5%
43						X 86.8% }PACE
42						X 81.6% }PACE -- -85PCT
41						X 73.7% }PACE
40						X 64.5% }PACE
39						X 57.9% }PACE
38						X 52.0% }PACE
37						X 43.4% }PACE ---MEAN
36						X 37.5% }PACE
35						X 28.3% }PACE
34						X 18.4% }PACE
33						X 14.5% ---15PCT
32						X 11.8%
31						X 5.9%
30						X 5.3%
29						X 2.0%
28						X 2.0%
27						X 1.3%
26						X 0.0%
25						X 0.0%
24						X 0.0%
23						X 0.0%
22						X 0.0%
21						X 0.0%
20						X 0.0%
19						X 0.0%
18						X 0.0%
17						X 0.0%
16						X 0.0%
15						X 0.0%

UPPER LIMIT 10 MPH PACE: 43 MPH
 LOWER LIMIT 10 MPH PACE: 34 MPH
 PERCENT OVER PACE: 13.2 %
 PERCENT IN PACE: 72.4 %
 PERCENT UNDER PACE: 14.5 %

85th PERCENTILE SPEED: 42.7 MPH
 MEDIAN SPEED: 37.8 MPH
 15th PERCENTILE SPEED: 33.1 MPH

Radar Speed Survey Field Sheet

HARTZOG AND CRABILL INC.
COUNTY ROAD 100, SUITE 100, FAYETTEVILLE, CA 95630
(714) 231-9455

AGENCY: CITY OF LAGUNA HILLS

STREET: ALICIA PARKWAY

LOCATION: COSTEANA DR. TO I-5 Fwy

WEATHER: SUNNY

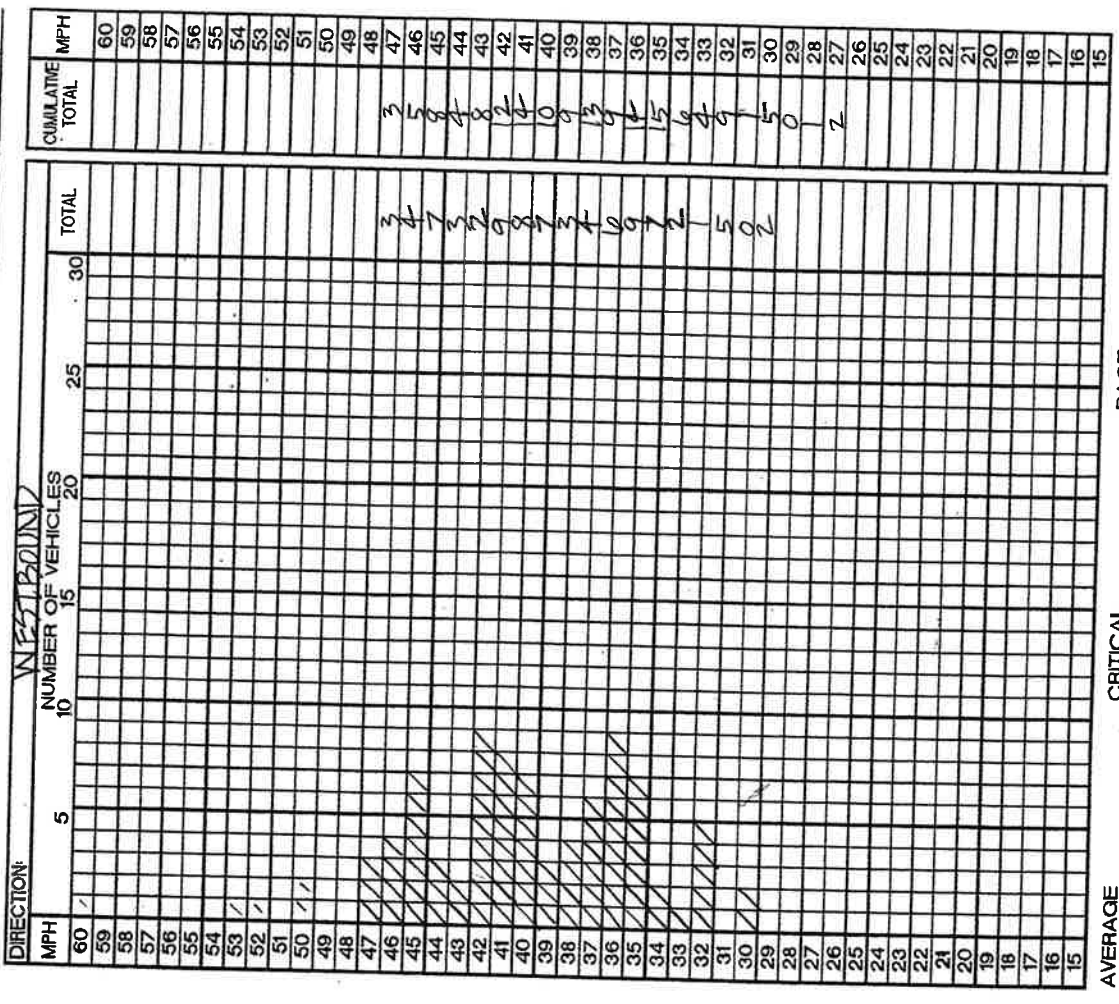
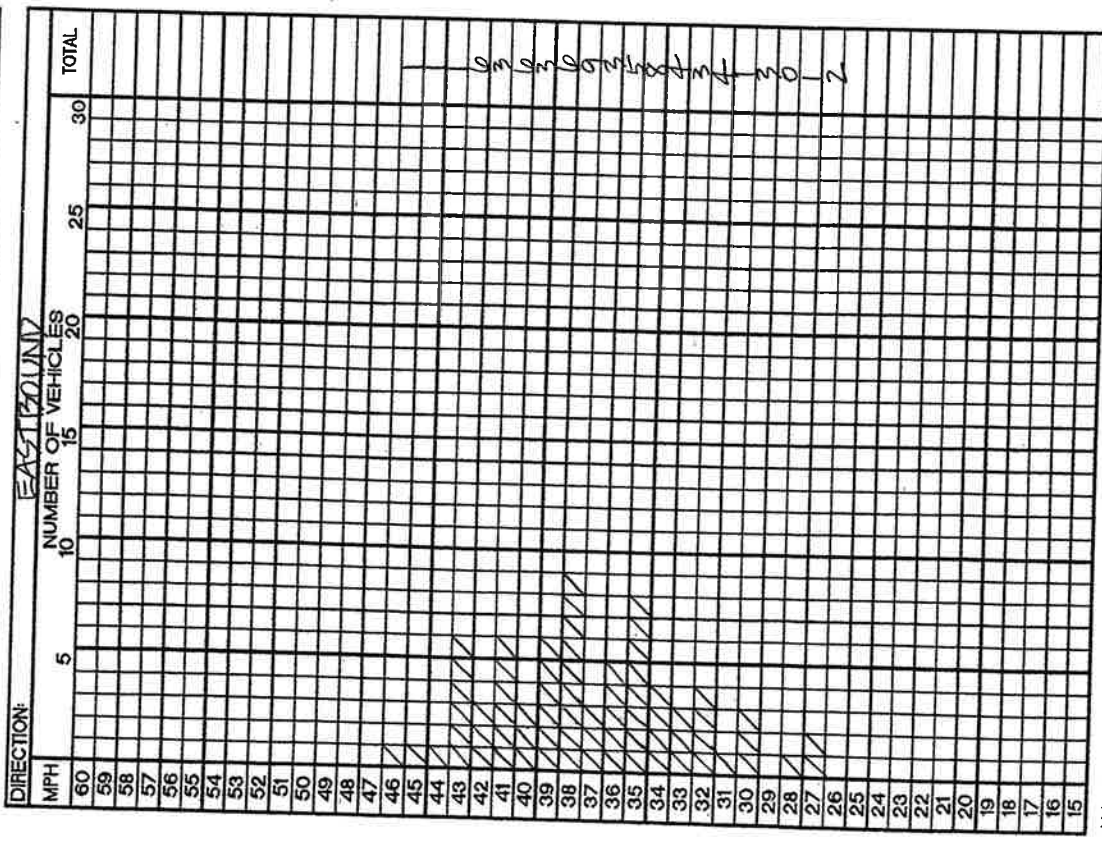
ROAD CONDITION: DRY

OBSERVER: CATHY BUENDIA

DATE: 01-29-2020

START TIME: 10:15 AM

END TIME: 10:45 AM



ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



ALISO HILLS DRIVE

ALICIA PKWY TO ALAMEDA AVE

DATE: 3/16/2020

SURVEY BY: C. BUENDIA

TIME: 10:45 AM - 11:30 AM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	EAST OF EL SEGUNDO
DATE OF SURVEY	3/16/2020
85th PERCENTILE	38.0 MPH
10 MPH PACE	31 - 40 MPH
PERCENT IN PACE	91.0 %
POSTED SPEED LIMIT	35 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	0
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	1,900
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - ALICIA, STOP - ALAMEDA
CROSSWALKS	AT ALICIA / ALAMEDA
PEDESTRIAN/BICYCLES	YES / NO
TRUCK TRAFFIC	NO
ON-STREET PARKING	NO PARKING ANYTIME ENTIRE BLOCK
OTHER	"WATCH DOWNHILL SPEEDS" SIGNS POSTED

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.56
VERTICAL CURVE	CONSTANT MODERATE UPHILL GRADES (EB)
HORIZONTAL CURVE	SEVERAL GRADUAL "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / NO
STREET LIGHTING	YES
OTHER	SOLID DBL YELLOW CENTERLINE

ADJACENT LAND USE	RESIDENTIAL (NF)**
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RECOMMENDED SPEED LIMIT	35 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
 The recommended 35 mh speed limit is within 3.0 mph of the 85th percentile speed and meets CVC standards.

** RESIDENTIAL (non-fronting to roadway, separated by brick walls or landscaped hillsides)
 F+NF = fronting + non-fronting

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

ALISO HILLS DRIVE

DATE: 3/16/2020

TIME: 10:45 AM - 11:30 AM

ALICIA PKWY TO ALAMEDA AVE

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	100.0%
53					X	100.0%
52					X	100.0%
51					X	100.0%
50					X	100.0%
49					X	100.0%
48					X	100.0%
47					X	100.0%
46					X	100.0%
45					X	100.0%
44					X	100.0%
43					X	98.9%
42					X	97.8%
41					X	97.8%
40					X	96.6% }PACE
39					X	92.1% }PACE
38					X	85.4% }PACE
37					X	71.9% }PACE ---85PCT
36					X	60.7% }PACE
35					X	48.3% }PACE ----MEAN
34					X	33.7% }PACE
33					X	20.2% }PACE
32					X	13.5% }PACE ---15PCT
31					X	9.0% }PACE
30	X					5.6%
29	X					2.2%
28	X					1.1%
27	X					0.0%
26	X					0.0%
25	X					0.0%
24	X					0.0%
23	X					0.0%
22	X					0.0%
21	X					0.0%
20	X					0.0%
19	X					0.0%
18	X					0.0%
17	X					0.0%
16	X					0.0%
15	X					0.0%

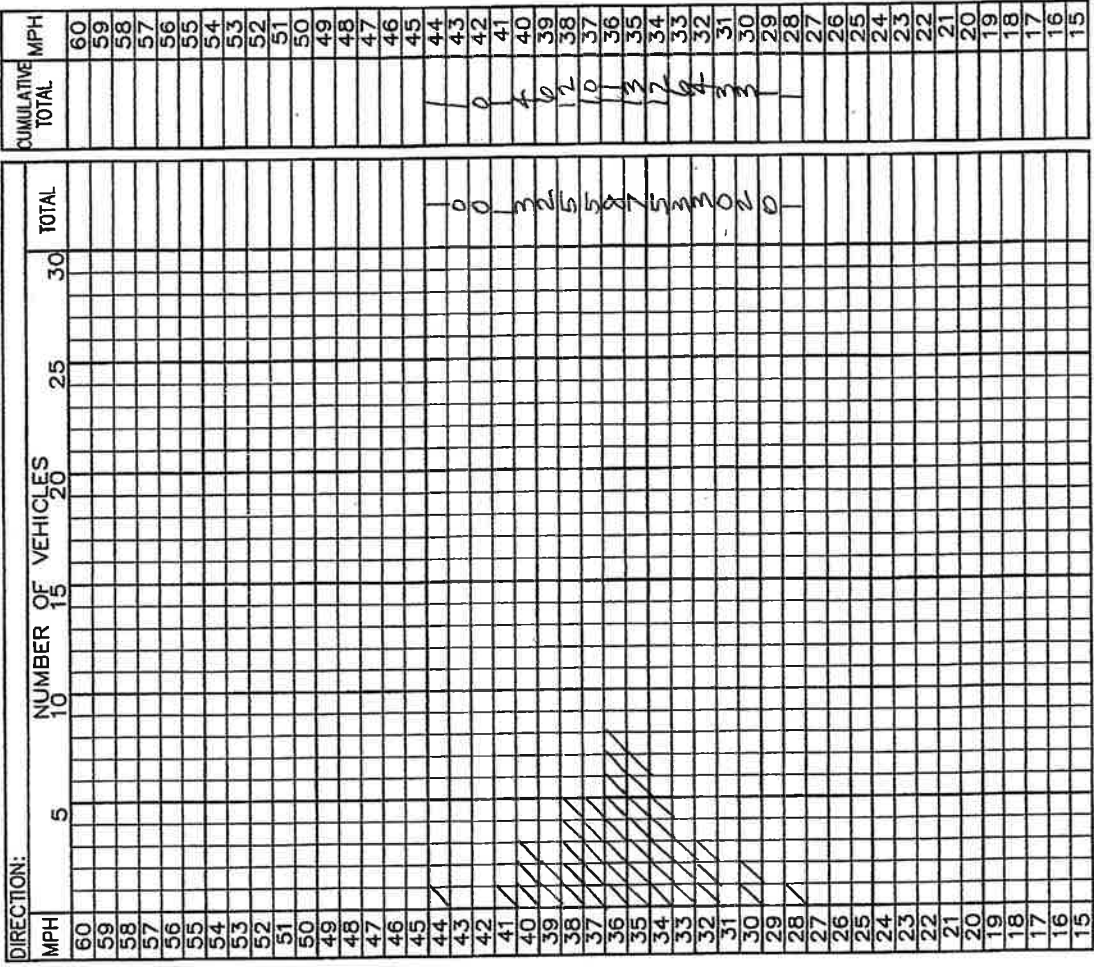
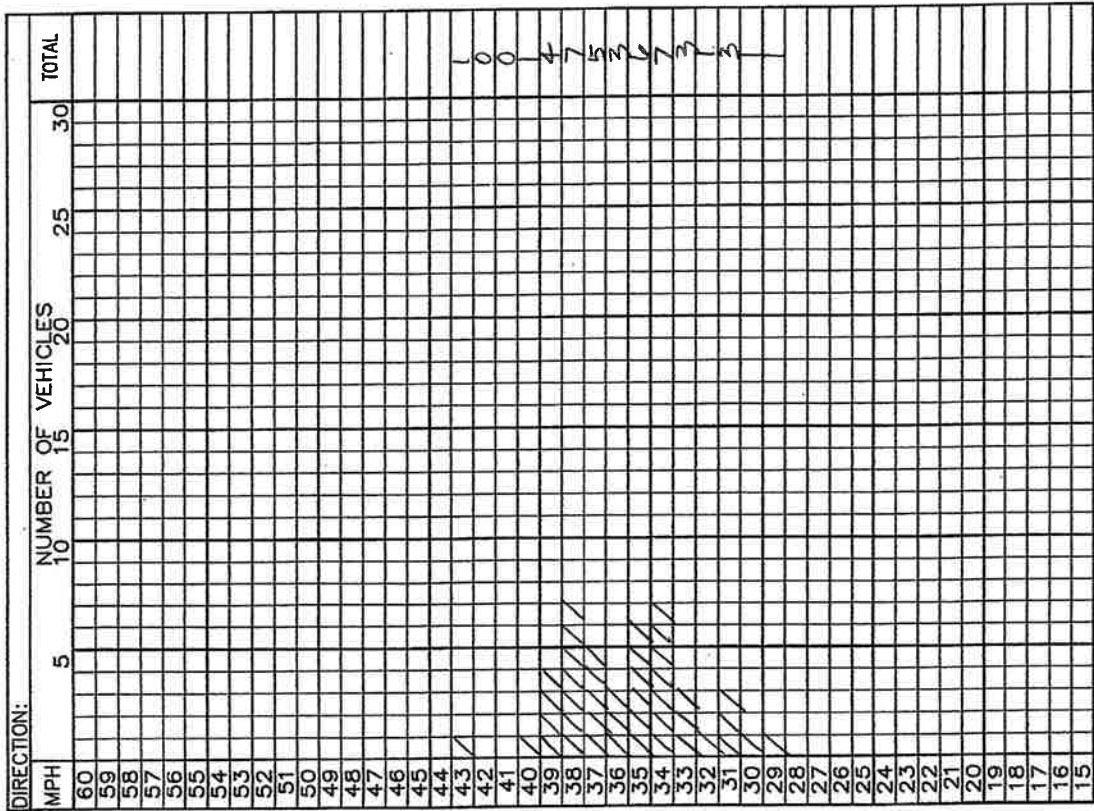
UPPER LIMIT 10 MPH PACE: 40 MPH
 LOWER LIMIT 10 MPH PACE: 31 MPH
 PERCENT OVER PACE: 3.4 %
 PERCENT IN PACE: 91.0 %
 PERCENT UNDER PACE: 5.6 %

85th PERCENTILE SPEED: 38.0 MPH
 MEDIAN SPEED: 35.1 MPH
 15th PERCENTILE SPEED: 32.2 MPH

Radar Speed Survey Field Sheet



AGENCY: CITY OF LAGUNA HILLS DATE: 03-16-2010
 STREET: ALISO HILLS DRIVE START TIME: 10:45 AM
 LOCATION: ALICIA PARK TO ALAMEDA AVE END TIME: 11:20 AM
 WEATHER: SUNNY
 ROAD CONDITION: DRY
 OBSERVER: Cathy Buendia



ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



ALISO HILLS DRIVE

ALAMEDA AVE TO LA PAZ RD

DATE: 3/16/2020

SURVEY BY: C. BUENDIA

TIME: 10:00 AM - 10:45 AM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	EAST OF EL SEGUNDO
DATE OF SURVEY	3/16/2020
85th PERCENTILE	39.3 MPH
10 MPH PACE	30 - 39 MPH
PERCENT IN PACE	75.4 %
POSTED SPEED LIMIT	35 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	5
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	1,600
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - LA PAZ, STOP - ALAMEDA
CROSSWALKS	AT ALAMEDA / LA PAZ
PEDESTRIAN/BICYCLES	YES / NO
TRUCK TRAFFIC	NO
ON-STREET PARKING	YES
OTHER	FEW ON-STREET PARKING NEAR PARK

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.48
VERTICAL CURVE	CONSTANT UPHILL GRADES (EB)
HORIZONTAL CURVE	SEVERAL GRADUAL "S" CURVES
LATERAL VISIBILITY	LIMITED-FAIR SIGHT DISTANCE
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / NO
STREET LIGHTING	YES
OTHER	SOLID DBL YELLOW CENTERLINE

ADJACENT LAND USE	RESIDENTIAL (NF)** / PARK (at Alameda)
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RECOMMENDED SPEED LIMIT	35 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
 The recommended 35 mph speed limit is within 4.3 mph of the 85th percentile speed and meets CVC standards.

** RESIDENTIAL (non-fronting to roadway, separated by brick walls or landscaped hillsides)
 F+NF = fronting + non-fronting

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

ALISO HILLS DRIVE

DATE: 3/16/2020

TIME: 10:00 AM - 10:45 AM

ALAMEDA AVE TO LA PAZ RD

SURVEY BY: C. BUENDIA

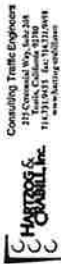
CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 100.0%
58						X 100.0%
57						X 100.0%
56						X 100.0%
55						X 100.0%
54						X 100.0%
53						X 100.0%
52						X 100.0%
51						X 100.0%
50						X 100.0%
49						X 100.0%
48						X 100.0%
47						X 100.0%
46						X 99.3%
45						X 98.5%
44						X 96.3%
43						X 95.5%
42						X 95.5%
41						X 91.8%
40						X 88.1%
39						X 83.6% }PACE ---85PCT
38						X 79.9% }PACE
37						X 74.6% }PACE
36						X 70.1% }PACE
35						X 60.4% }PACE
34						X 47.8% }PACE ---MEAN
33						X 32.8% }PACE
32						X 26.9% }PACE
31						X 18.7% }PACE
30						X 14.9% }PACE ---15PCT
29						X 8.2%
28						X 5.2%
27						X 5.2%
26						X 3.7%
25						X 3.7%
24						X 2.2%
23						X 2.2%
22						X 1.5%
21						X 0.7%
20						X 0.7%
19						X 0.0%
18						X 0.0%
17						X 0.0%
16						X 0.0%
15						X 0.0%

UPPER LIMIT 10 MPH PACE: 39 MPH
 LOWER LIMIT 10 MPH PACE: 30 MPH
 PERCENT OVER PACE: 16.4 %
 PERCENT IN PACE: 75.4 %
 PERCENT UNDER PACE: 8.2 %

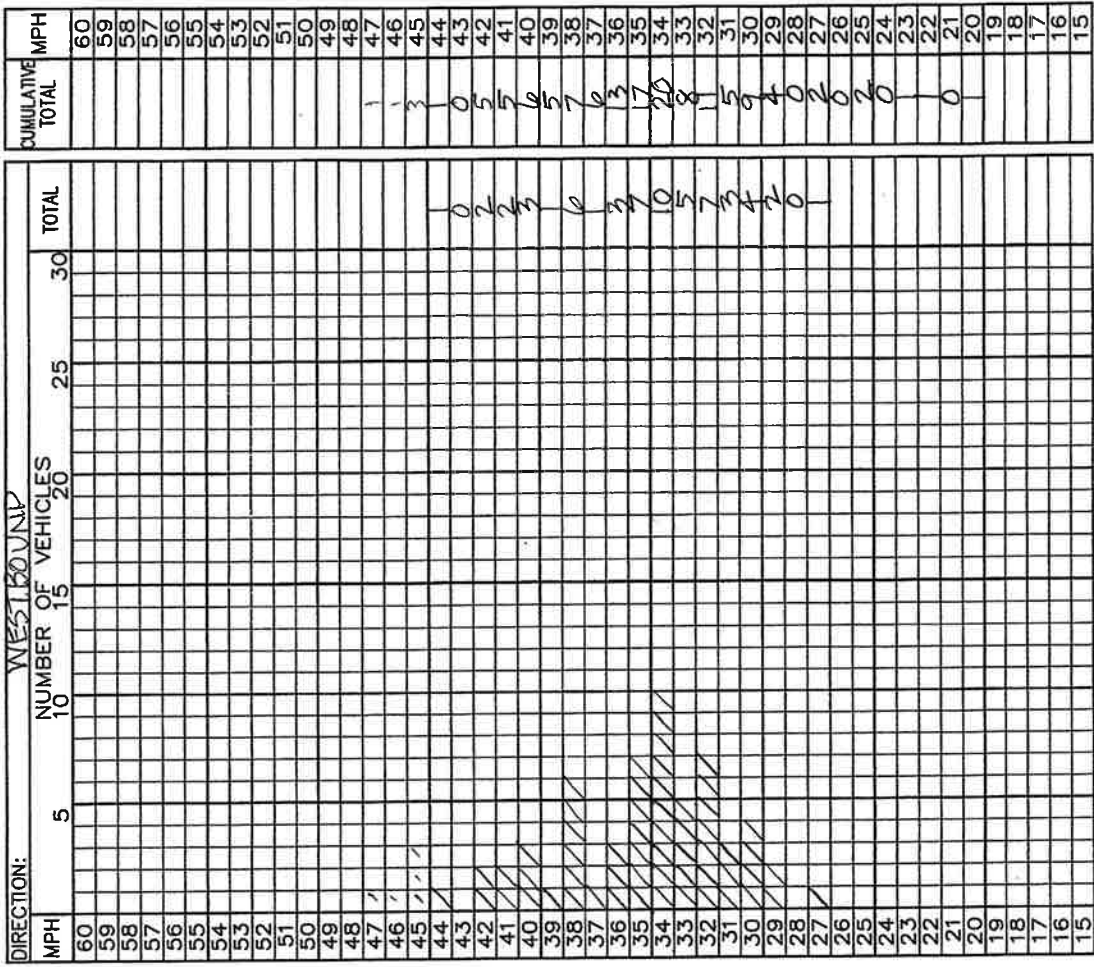
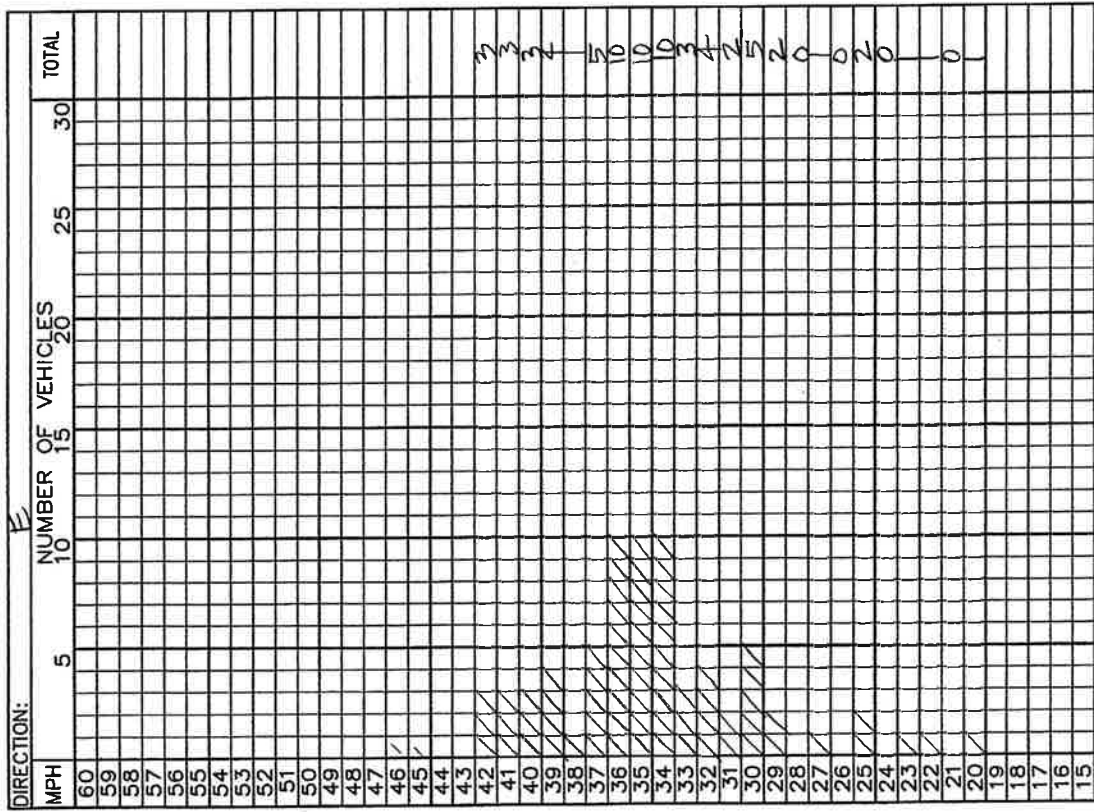
85th PERCENTILE SPEED: 39.3 MPH
 MEDIAN SPEED: 34.2 MPH
 15th PERCENTILE SPEED: 30.0 MPH

Radar Speed Survey Field Sheet



AGENCY: CITY OF LAGUNA HILLS
 STREET: ALISO HILLS AVENUE
 LOCATION: ALAMEDA AVE TO LA PAZ RD

WEATHER: SUNNY DATE: 03-16-2020
 ROAD CONDITION: DRY START TIME: 10:00AM
 OBSERVER: Cathy Buendia END TIME: 10:45AM



ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



AVENIDA DE LA CARLOTA

LAKE FOREST DR TO RIDGE ROUTE DR

DATE: 1/15/2020

SURVEY BY: C. BUENDIA

TIME: 11:30 AM - 12:15 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	SOUTH OF PLAZA
DATE OF SURVEY	1/15/2020
85th PERCENTILE	49.4 MPH
10 MPH PACE	40 - 49 MPH
PERCENT IN PACE	61.3 %
POSTED SPEED LIMIT	45 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	1
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	9,700
LANE CONFIGURATION	2 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - LAKE FOREST / RIDGE ROUTE
CROSSWALKS	AT LAKE FOREST / RIDGE ROUTE
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	YES
ON-STREET PARKING	NO STOPPING ANYTIME ENTIRE BLOCK
OTHER	NO SHOULDERS

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.75
VERTICAL CURVE	GRADUAL UP-DOWNHILL GRADES
HORIZONTAL CURVE	SHARP-GRADUAL "S" CURVES
LATERAL VISIBILITY	LIMITED-FAIR SIGHT DISTANCE
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / YES (SB) - PARTIAL / FEW (NB)
STREET LIGHTING	YES
OTHER	2 WAY LEFT TURN & PAINTED ISLAND

ADJACENT LAND USE	COMMERCIAL / I-5 FWY
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RECOMMENDED SPEED LIMIT	45 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
 The recommended 45 mph speed limit is within 4.4 mph of the 85th percentile speed and meets CVC standards.

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

AVENIDA DE LA CARLOTA

DATE: 1/15/2020

TIME: 11:30 AM - 12:15 PM

LAKE FOREST DR TO RIDGE ROUTE DR

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	98.8%
57					X	98.2%
56					X	98.2%
55					X	96.9%
54					X	96.9%
53					X	95.7%
52					X	93.9%
51					X	90.2%
50					X	89.0%
49					X	82.8% }PACE ---85PCT
48					X	76.7% }PACE
47					X	70.6% }PACE
46					X	65.6% }PACE
45					X	60.7% }PACE
44					X	54.0% }PACE
43					X	49.7% }PACE ---MEAN
42					X	42.9% }PACE
41					X	36.2% }PACE
40					X	31.3% }PACE
39					X	21.5%
38					X	15.3%
37					X	9.8% ---15PCT
36					X	8.6%
35					X	6.7%
34					X	1.8%
33					X	1.8%
32					X	0.6%
31					X	0.0%
30					X	0.0%
29					X	0.0%
28					X	0.0%
27					X	0.0%
26					X	0.0%
25					X	0.0%
24					X	0.0%
23					X	0.0%
22					X	0.0%
21					X	0.0%
20					X	0.0%
19					X	0.0%
18					X	0.0%
17					X	0.0%
16					X	0.0%
15					X	0.0%

UPPER LIMIT 10 MPH PACE: 49 MPH
 LOWER LIMIT 10 MPH PACE: 40 MPH
 PERCENT OVER PACE: 23.3 %
 PERCENT IN PACE: 61.3 %
 PERCENT UNDER PACE: 21.5 %

85th PERCENTILE SPEED: 49.4 MPH
 MEDIAN SPEED: 43.1 MPH
 15th PERCENTILE SPEED: 37.9 MPH

Radar Speed Survey Field Sheet

HARTZOG AND CRABILL INC.
Company Name: Crabill
11591 North Blvd., Suite 121, Lake CA, 92659
(714) 731-9455

AGENCY: CITY OF LAGUNA DATE: 01-15-2020
STREET: AVENIDA DE LA CARLOTA ROAD CONDITION: DRY START TIME: 11:30 AM
LOCATION: LAKE FOREST DR TO RIDGE ROUTE DR OBSERVER: CATHY BUENDIA END TIME: 12:15 PM JAL

WEATHER: SUNNY
ROAD CONDITION: DRY
OBSERVER: CATHY BUENDIA

DIRECTION:	MPH	NUMBER OF VEHICLES				TOTAL
		5	10	15	20	
<u>SOUTHBOUND</u>						
60						
59						
58						
57						
56						
55						
54						
53						
52						
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15						

DIRECTION:	MPH	NUMBER OF VEHICLES				TOTAL	CUMULATIVE TOTAL	MPH
		5	10	15	20			
<u>NORTHBOUND</u>								
60								
59								
58								
57								
56								
55								
54								
53								
52								
51								
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48								
47								
46								
45								
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16								
15								

AVERAGE SPEED: _____ PACE SPEED: _____
CRITICAL SPEED: _____
CUMULATIVE (BOTH DIRECTIONS) _____

AVERAGE SPEED: _____ PACE SPEED: _____
CRITICAL SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



AVENIDA DE LA CARLOTA

RIDGE ROUTE DR TO PASEO DE VALENCIA

DATE: 1/15/2020

SURVEY BY: C. BUENDIA

TIME: 10:45 AM - 11:30 AM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	NORTH OF PASEO DE VALENCIA
DATE OF SURVEY	1/15/2020
85th PERCENTILE	42.6 MPH
10 MPH PACE	35 - 44 MPH
PERCENT IN PACE	85.5 %
POSTED SPEED LIMIT	40 MPH / 25 MPH*

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	2
TOTAL ACCIDENTS	3
ANNUAL ACCIDENT RATE	1.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.14 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	27,800
LANE CONFIGURATION	2 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - RIDGE ROUTE / VIA PUERTA / PASEO DE VALENCIA / EL TORO
CROSSWALKS	AT RIDGE ROUTE / PASEO DE VALENCIA / EL TORO
PEDESTRIAN/BICYCLES	NO / NO
TRUCK TRAFFIC	YES
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	NO SHOULDERS

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.70
VERTICAL CURVE	GRADUAL UP-DOWNHILL GRADES
HORIZONTAL CURVE	SHARP-GRADUAL "S" CURVES
LATERAL VISIBILITY	LIMITED-FAIR SIGHT DISTANCE
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / YES (SB) - PARTIAL / FEW (NB)
STREET LIGHTING	YES
OTHER	2 WAY LEFT TURN & PAINTED ISLAND DENSE TRAFFIC FROM PDV TO EL TORO

ADJACENT LAND USE	COMMERCIAL / I-5 FWY SB OFF (at PDV)
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RECOMMENDED SPEED LIMIT	40 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended 40 mph speed limit is within 2.6 mph of the 85th percentile speed and meets CVC standards.

* 25 MPH When Children Present, School Zone

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

AVENIDA DE LA CARLOTA

RIDGE ROUTE DR TO PASEO DE VALENCIA

DATE: 1/15/2020

SURVEY BY:

C. BUENDIA

TIME: 10:45 AM - 11:30 AM

CHECKED BY:

JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	100.0%
53					X	100.0%
52					X	100.0%
51					X	100.0%
50					X	100.0%
49					X	99.4%
48					X	99.4%
47					X	98.8%
46					X	98.2%
45					X	95.8%
44					X	92.8% }PACE
43				X	X	87.3% }PACE
42				X		81.9% }PACE ---85PCT
41			X	X		68.7% }PACE
40			X			55.4% }PACE
39		X	X			39.8% }PACE ---MEAN
38		X				29.5% }PACE
37	X					20.5% }PACE
36	X					16.3% }PACE
35	X					13.3% }PACE ---15PCT
34	X					7.2%
33	X					5.4%
32	X					3.6%
31	X					1.2%
30	X					1.2%
29	X					1.2%
28	X					0.6%
27	X					0.0%
26	X					0.0%
25	X					0.0%
24	X					0.0%
23	X					0.0%
22	X					0.0%
21	X					0.0%
20	X					0.0%
19	X					0.0%
18	X					0.0%
17	X					0.0%
16	X					0.0%
15	X					0.0%

UPPER LIMIT 10 MPH PACE: 44 MPH
 LOWER LIMIT 10 MPH PACE: 35 MPH
 PERCENT OVER PACE: 7.2 %
 PERCENT IN PACE: 85.5 %
 PERCENT UNDER PACE: 7.2 %

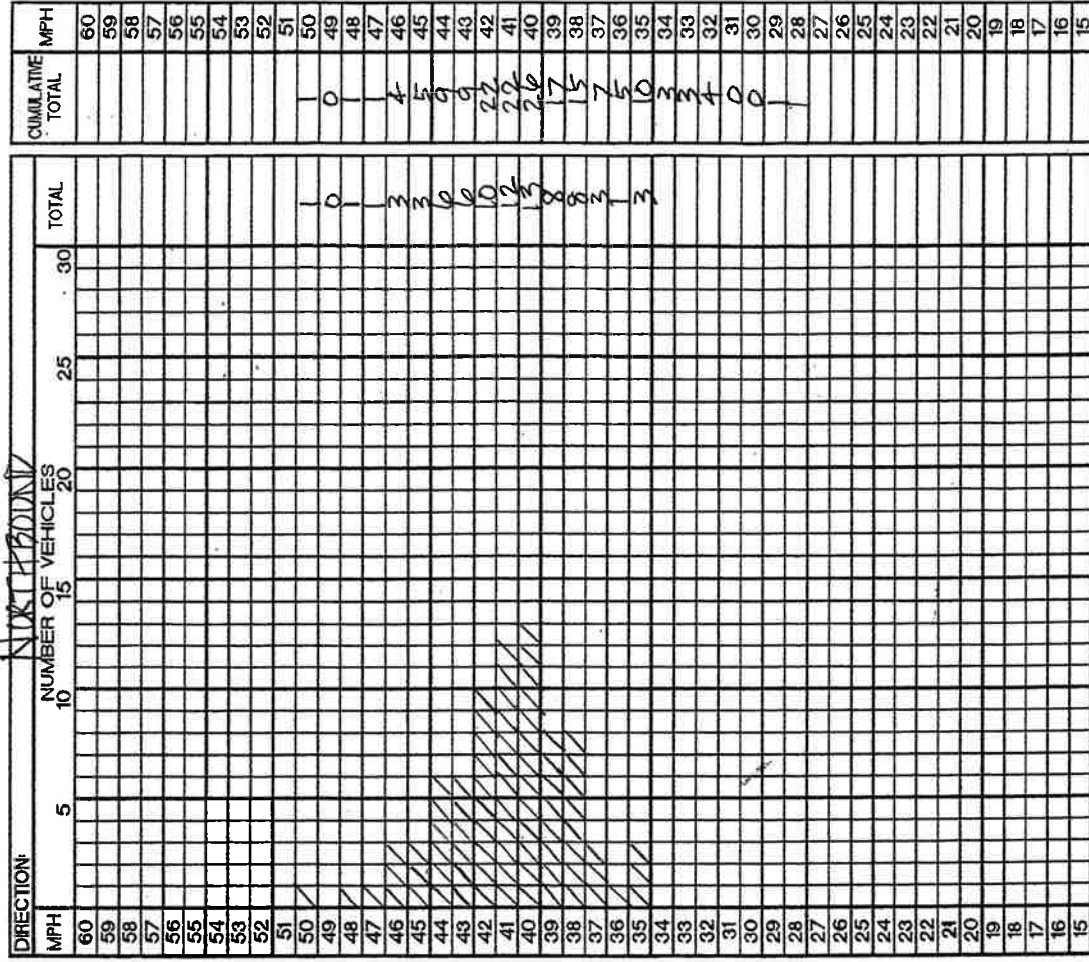
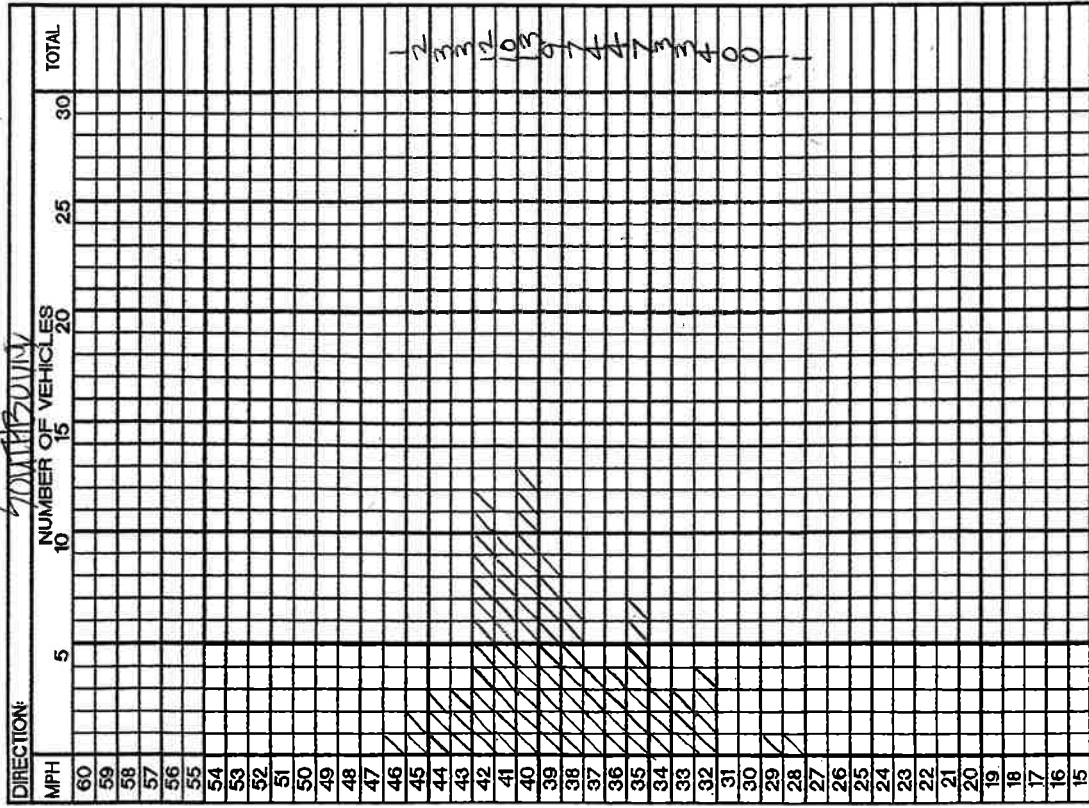
85th PERCENTILE SPEED: 42.6 MPH
 MEDIAN SPEED: 39.7 MPH
 15th PERCENTILE SPEED: 35.6 MPH

Radar Speed Survey Field Sheet

HARTZOG AND CRABILL INC.
Consulting Traffic Engineers
11921 Ivan Blvd., Suite 112, Irvine, CA 92619
(949) 731-9155

AGENCY: CITY OF LAGUNA HILLS
STREET: AVENIDA DE LA CARLOTA
LOCATION: BRIDGE ROUTE DR TO PASO DE VALENCIA

WEATHER: SUNNY DATE: 01-15-2020
ROAD CONDITION: DRY START TIME: 10:45AM
OBSERVER: CATHY BUENDIA END TIME: 11:30 AM



ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



AVENIDA DE LA CARLOTA

PASEO DE VALLENCIA TO LOS ALISOS BL

DATE: 1/15/2020

SURVEY BY: C. BUENDIA

TIME: 10:00 AM - 10:30 AM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	SOUTH OF PLAZA LN
DATE OF SURVEY	1/15/2020
85th PERCENTILE	43.1 MPH
10 MPH PACE	35 - 44 MPH
PERCENT IN PACE	81.9 %
POSTED SPEED LIMIT	40 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	11
TOTAL ACCIDENTS	43
ANNUAL ACCIDENT RATE	5.50 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	1.27 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	15,800
LANE CONFIGURATION	2 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - PASEO DE VALENCIA / EL TORO / PLAZA LN / LOS ALISOS / OAKBROOK VILLAGE
CROSSWALKS	AT PASEO DE VALENCIA / EL TORO / PLAZA LN / LOS ALISOS / OAKBROOK VILLAGE
PEDESTRIAN/BICYCLES	FEW / FEW
TRUCK TRAFFIC	YES
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	BUS STOPS

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.75
VERTICAL CURVE	SLIGHT UP-DOWNHILL GRADES
HORIZONTAL CURVE	GRADUAL "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE (Areas of slight)
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / YES (SB) - NO/ FEW (NB)
STREET LIGHTING	YES
OTHER	PAINTED ISLAND NO SHOULDERS

ADJACENT LAND USE	COMMERCIAL / LAGUNA HILLS MALL / I-5 FWY
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RECOMMENDED SPEED LIMIT	40 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended 40 mph speed limit is within 3.1 mph of the 85th percentile speed and meets CVC standards.

RADAR SPEED DISTRIBUTION SHEET

CITY OF LAGUNA HILLS



AVENIDA DE LA CARLOTA

PASEO DE VALLENCIA TO LOS ALISOS BL

DATE: 1/15/2020

SURVEY BY:

C. BUENDIA

TIME: 10:00 AM - 10:30 AM

CHECKED BY:

JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	100.0%
53					X	100.0%
52					X	100.0%
51					X	100.0%
50					X	100.0%
49					X	98.6%
48					X	97.8%
47					X	97.1%
46					X	94.2%
45					X	90.6%
44					X	89.1% }PACE
43					X	84.8% }PACE ---85PCT
42					X	79.0% }PACE
41					X	64.5% }PACE
40					X	54.3% }PACE
39					X	44.9% }PACE ---MEAN
38					X	36.2% }PACE
37					X	29.7% }PACE
36					X	23.2% }PACE
35					X	10.1% }PACE ---15PCT
34					X	7.2%
33					X	4.3%
32					X	4.3%
31					X	3.6%
30					X	2.2%
29					X	1.4%
28					X	0.0%
27					X	0.0%
26					X	0.0%
25					X	0.0%
24					X	0.0%
23					X	0.0%
22					X	0.0%
21					X	0.0%
20					X	0.0%
19					X	0.0%
18					X	0.0%
17					X	0.0%
16					X	0.0%
15					X	0.0%

UPPER LIMIT 10 MPH PACE: 44 MPH
 LOWER LIMIT 10 MPH PACE: 35 MPH
 PERCENT OVER PACE: 10.9 %
 PERCENT IN PACE: 81.9 %
 PERCENT UNDER PACE: 7.2 %

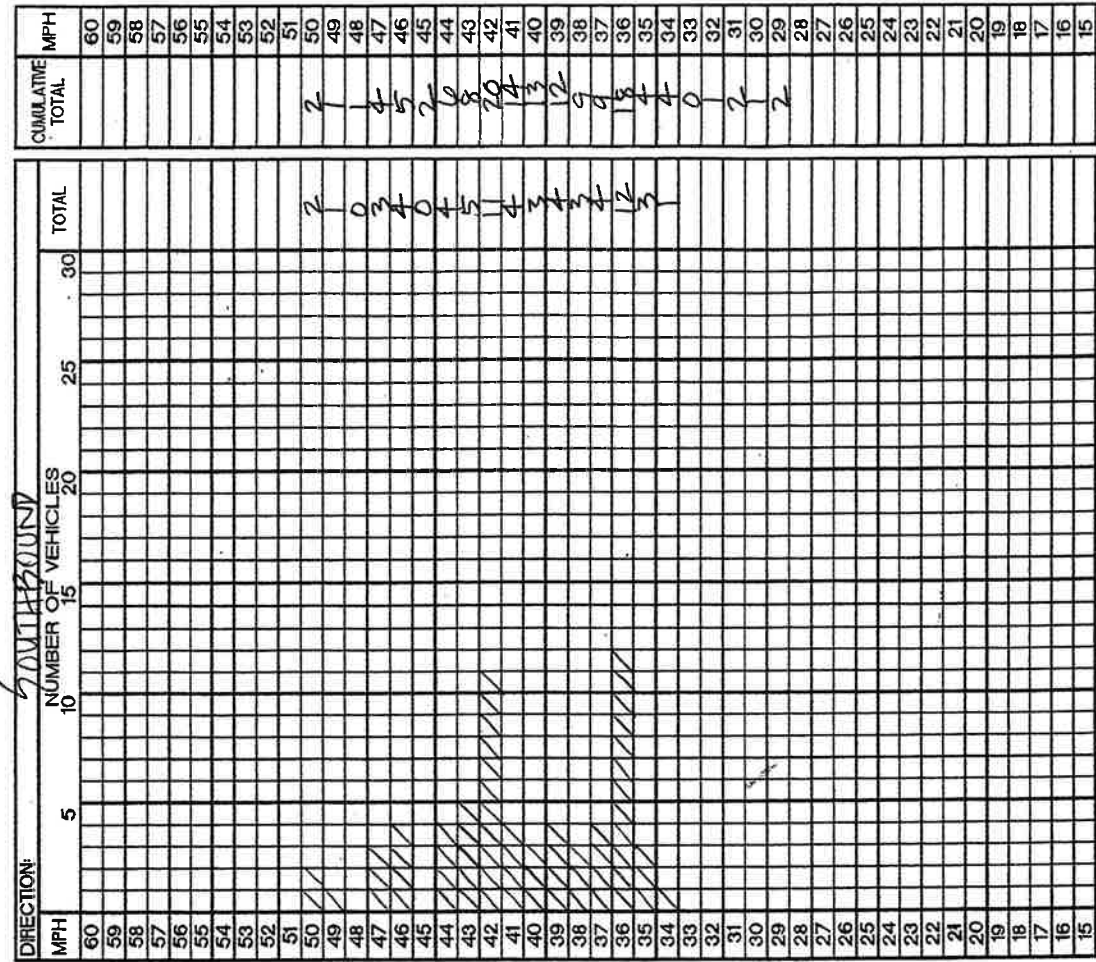
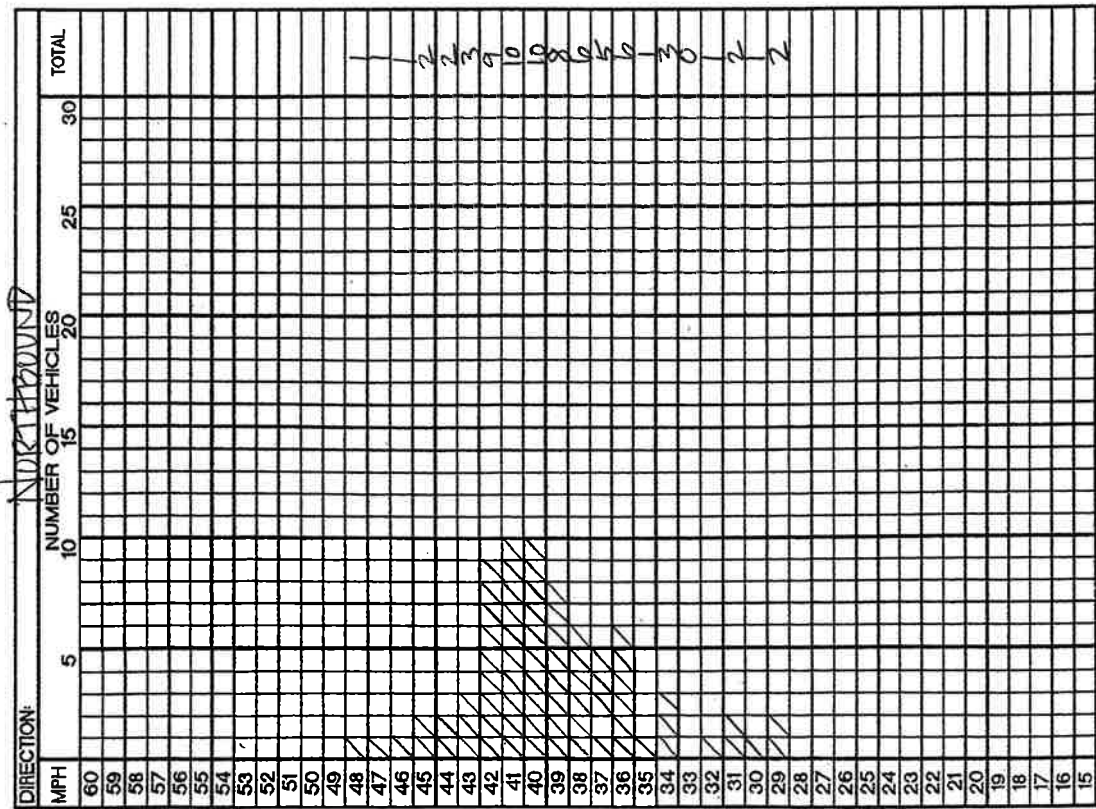
85th PERCENTILE SPEED: 43.1 MPH
 MEDIAN SPEED: 39.5 MPH
 15th PERCENTILE SPEED: 35.4 MPH

Radar Speed Survey Field Sheet

HARTZOG AND CRABILL, INC.
CONSULTING TRAFFIC ENGINEERS
11971 Arroyo Blvd., Suite 127, Irvine, CA 92619
(949) 751-5105

AGENCY: CITY OF LAGUNA HILLS
STREET: AVENIDA DE LA CARLOTA
LOCATION: PASEO DE VALENCIA TO LOS ALAMOS BL

WEATHER: SUNNY DATE: 01/15/2020
ROAD CONDITION: DRY START TIME: 10:00 AM
OBSERVER: CATHY BUENDIA END TIME: 10:30 AM VLM



ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



BECKENHAM STREET

PASEO DE VALENCIA TO EAST END

DATE: 3/20/2020

SURVEY BY: C. BUENDIA

TIME: 3:30 PM - 5:00 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	EAST OF SUNSET
DATE OF SURVEY	3/20/2020
85th PERCENTILE	30.9 MPH
10 MPH PACE	25 - 34 MPH
PERCENT IN PACE	83.0 %
POSTED SPEED LIMIT	30 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	0
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	1,500
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - PASEO DE VALENCIA
CROSSWALKS	AT PASEO DE VALENCIA
PEDESTRIAN/BICYCLES	YES / NO
TRUCK TRAFFIC	NO
ON-STREET PARKING	YES
OTHER	HEAVY LEFTS INTO MEDICAL OFFICE PARKING LOT AREAS OF NO PARKING ANYTIME

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.30
VERTICAL CURVE	SLIGHT-GRADUAL UPHILL GRADE (EB)
HORIZONTAL CURVE	GRADUAL "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / FEW
STREET LIGHTING	YES
OTHER	NOT A THRU STREET

ADJACENT LAND USE	RESIDENTIAL (NF)** / MEDICAL OFFICE / PARK
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RECOMMENDED SPEED LIMIT	30 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended 30 mph speed limit is within 0.9 mph of the 85th percentile speed and meets CVC standards.

** RESIDENTIAL (non-fronting to roadway, separated by brick walls or landscaped hillsides)
F+NF = fronting + non-fronting

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

BECKENHAM STREET

DATE: 3/20/2020

TIME: 3:30 PM - 5:00 PM

PASEO DE VALENCIA TO EAST END

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	100.0%
53					X	100.0%
52					X	100.0%
51					X	100.0%
50					X	100.0%
49					X	100.0%
48					X	100.0%
47					X	100.0%
46					X	100.0%
45					X	100.0%
44					X	100.0%
43					X	100.0%
42					X	100.0%
41					X	100.0%
40					X	100.0%
39					X	100.0%
38					X	100.0%
37					X	100.0%
36					X	98.9%
35					X	96.8%
34					X	94.7% }PACE
33					X	92.6% }PACE
32					X	88.3% }PACE
31					X	86.2% }PACE
30				X		73.4% }PACE -- 85PCT
29			X			59.6% }PACE
28			X			46.8% }PACE ---MEAN
27		X				34.0% }PACE
26	X					23.4% }PACE
25	X					17.0% }PACE
24	X					11.7% ---15PCT
23	X					10.6%
22	X					6.4%
21	X					4.3%
20	X					2.1%
19	X					0.0%
18	X					0.0%
17	X					0.0%
16	X					0.0%
15	X					0.0%

UPPER LIMIT 10 MPH PACE: 34 MPH
 LOWER LIMIT 10 MPH PACE: 25 MPH
 PERCENT OVER PACE: 5.3 %
 PERCENT IN PACE: 83.0 %
 PERCENT UNDER PACE: 11.7 %

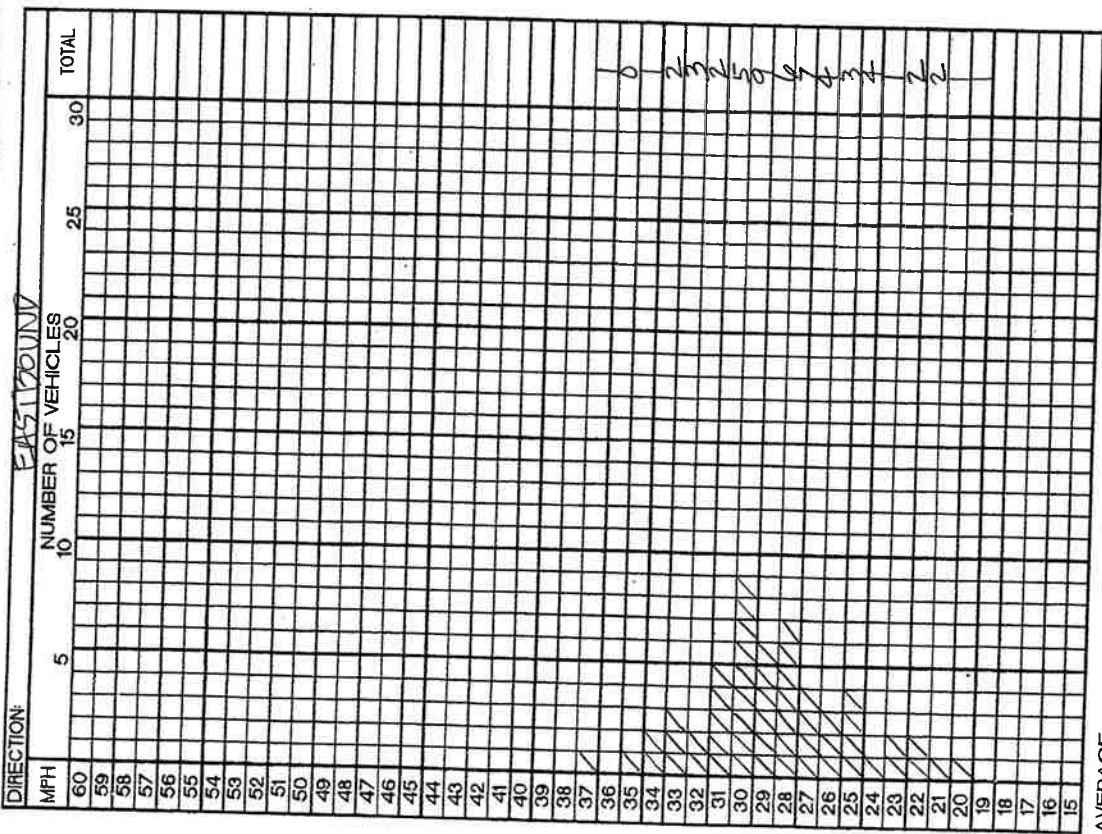
85th PERCENTILE SPEED: 30.9 MPH
 MEDIAN SPEED: 28.3 MPH
 15th PERCENTILE SPEED: 24.6 MPH

Radar Speed Survey Field Sheet

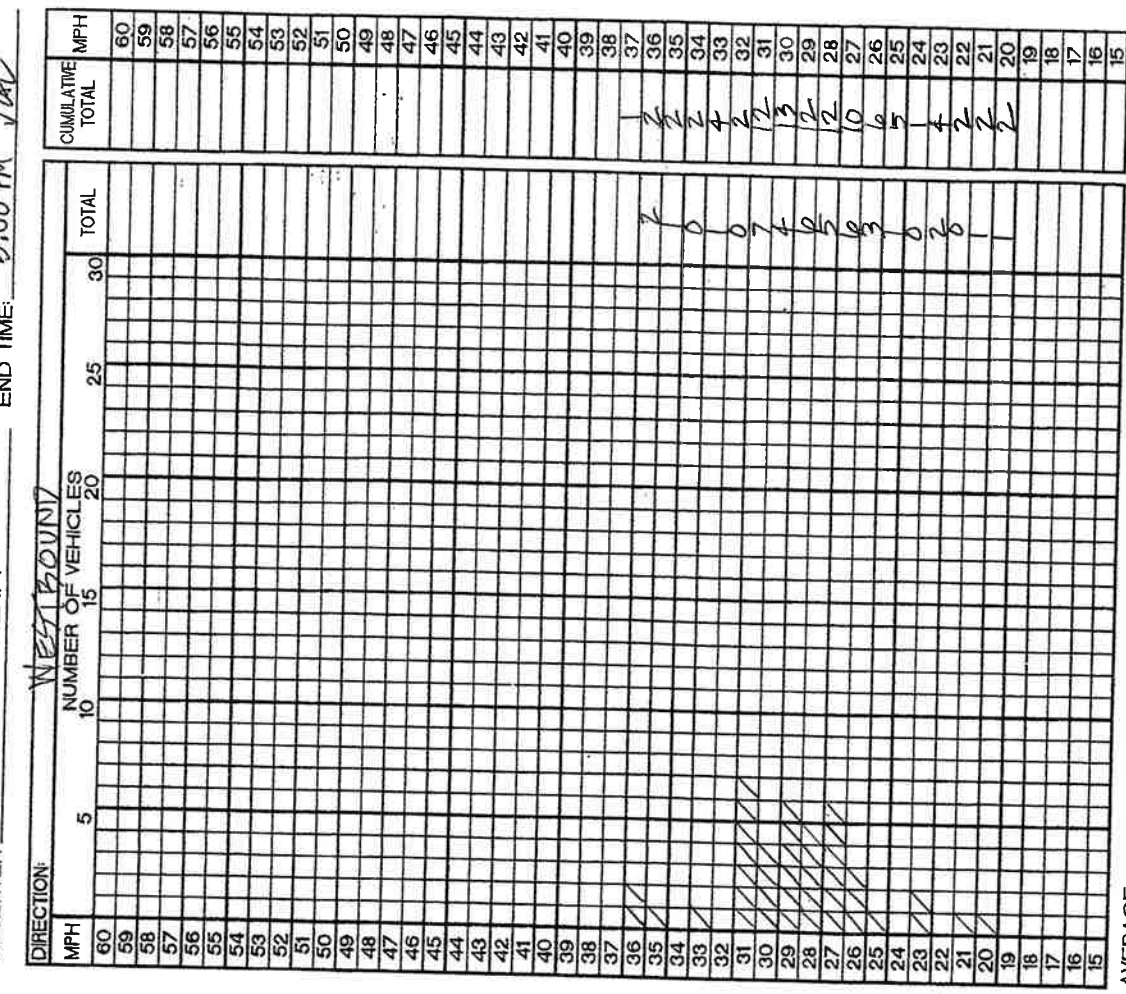
HARTZOG AND CRABILL, INC

AGENCY: CITY OF LAGUNA HILLS
STREET: BECKENHAM STREET
LOCATION: PASO DE VALENCIA TO EAST END

WEATHER: SUNNY / PARTIALLY CLOUDY
ROAD CONDITION: DRY
OBSERVER: CATHY BUENDIA
DATE: 03-20-2020
START TIME: 3:30 PM
END TIME: 5:00 PM



AVERAGE SPEED: _____
CRITICAL SPEED: _____
CUMULATIVE (BOTH DIRECTIONS) _____



AVERAGE SPEED: _____
CRITICAL SPEED: _____
PACE SPEED: _____

CUMULATIVE TOTAL	MPH
	60
	59
	58
	57
	56
	55
	54
	53
	52
	51
	50
	49
	48
	47
	46
	45
	44
	43
	42
	41
	40
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	37
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	33
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	16
	15

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



BRIDLEWOOD DRIVE

NELLIE GAIL RD TO OSO PKWY

DATE: 2/18/2020

SURVEY BY: C. BUENDIA

TIME: 1:30 PM - 2:30 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	SOUTH OF FLINTROCK
DATE OF SURVEY	2/18/2020
85th PERCENTILE	32.0 MPH
10 MPH PACE	25 - 34 MPH
PERCENT IN PACE	76.0 %
POSTED SPEED LIMIT	25 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	0
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	1,100
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - OSO, STOP - NELLIE GAIL
CROSSWALKS	AT OSO
PEDESTRIAN/BICYCLES	YES / NO
TRUCK TRAFFIC	NO
ON-STREET PARKING	YES
OTHER	EQUESTRIAN TRAILS & XINGS

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.30
VERTICAL CURVE	CONSTANT MODERATE UPHILL (NB)
HORIZONTAL CURVE	CONSTANT MODERATE "S" CURVES
LATERAL VISIBILITY	LIMITED-FAIR SIGHT DISTANCE
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / FEW
STREET LIGHTING	YES
OTHER	SMALL MEDIAN ISLAND AT OSO

ADJACENT LAND USE	RESIDENTIAL (F+NF)**
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RECOMMENDED SPEED LIMIT	25 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:

This portion of Bridlewood is a two lane residential roadway. The posted speed limit is 25 mph. Based upon the 85th percentile speed of 32.0 mph, the CVC code suggests a 30 mph speed limit. However, due to (1) equestrian trails and crossings, (2) solely single-family residential dwellings, (3) many areas of limited sight distance at the steep grades and curving nature of the roadway, and mainly (4) the sight distance at 26211 Bridlewood Drive is approximately 195 ft and the required minimum sight distance for 30 mph is 200 ft, therefore, it is recommended that the 25 mph speed limit be maintained.

** RESIDENTIAL (non-fronting to roadway, separated by brick walls or landscaped hillsides)
 F+NF = fronting + non-fronting Note: The sight distance at 26211 is 195 ft.

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

BRIDLEWOOD DRIVE

DATE: 2/18/2020

TIME: 1:30 PM - 2:30 PM

NELLIE GAIL RD TO OSO PKWY

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 100.0%
58						X 100.0%
57						X 100.0%
56						X 100.0%
55						X 100.0%
54						X 100.0%
53						X 100.0%
52						X 100.0%
51						X 100.0%
50						X 100.0%
49						X 100.0%
48						X 100.0%
47						X 100.0%
46						X 100.0%
45						X 100.0%
44						X 100.0%
43						X 100.0%
42						X 100.0%
41						X 100.0%
40						X 100.0%
39						X 100.0%
38						X 100.0%
37						X 99.0%
36						X 98.0%
35						X 95.0%
34						X 92.0% }PACE
33						X 88.0% }PACE
32						X 85.0% }PACE ---85PCT
31						X 77.0% }PACE
30						X 69.0% }PACE
29						X 63.0% }PACE
28						X 56.0% }PACE
27						X 44.0% }PACE ---MEAN
26						X 33.0% }PACE
25						X 24.0% }PACE
24						X 16.0%
23						X 13.0% ---15PCT
22						X 10.0%
21						X 6.0%
20						X 5.0%
19						X 2.0%
18						X 1.0%
17						X 0.0%
16						X 0.0%
15						X 0.0%

UPPER LIMIT 10 MPH PACE: 34 MPH
 LOWER LIMIT 10 MPH PACE: 25 MPH
 PERCENT OVER PACE: 8.0 %
 PERCENT IN PACE: 76.0 %
 PERCENT UNDER PACE: 16.0 %

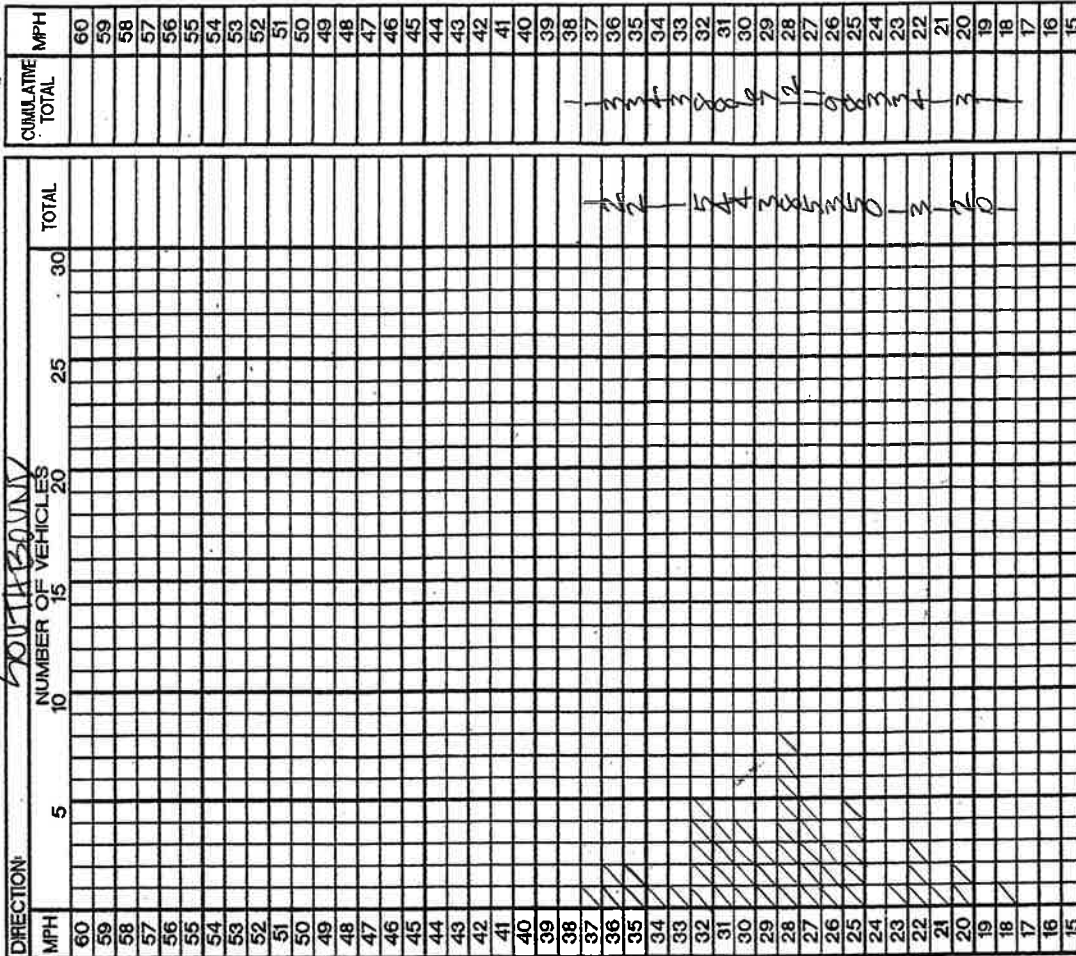
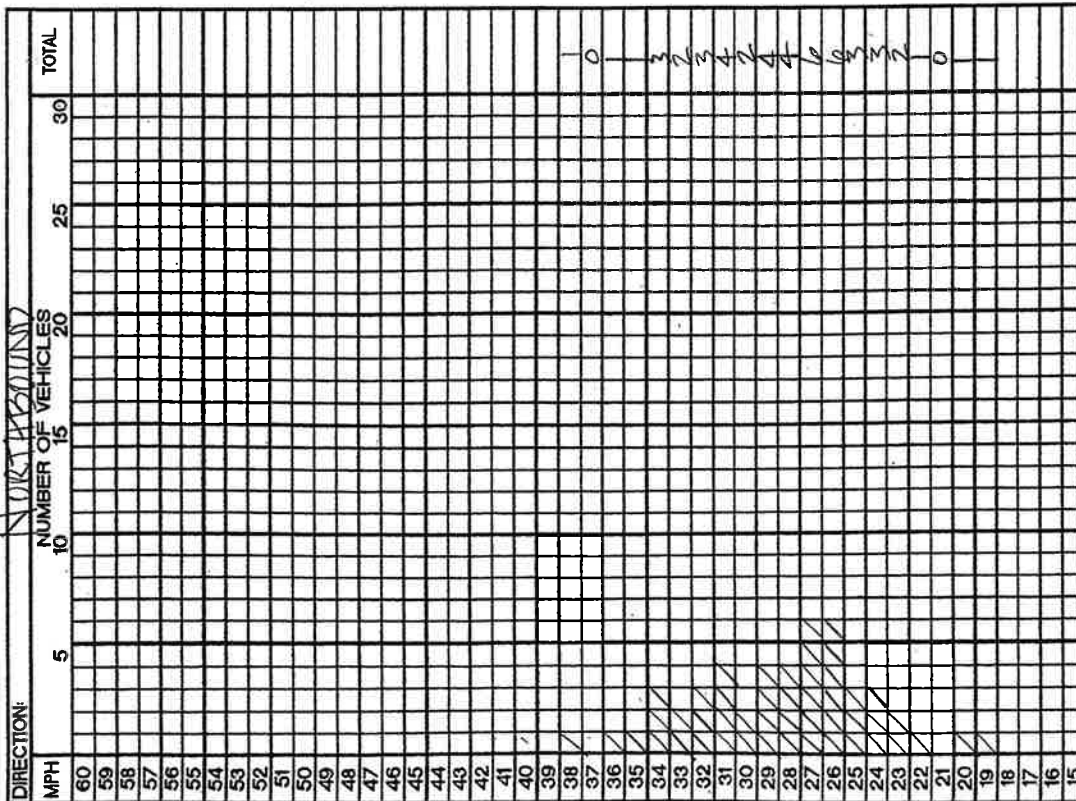
85th PERCENTILE SPEED: 32.0 MPH
 MEDIAN SPEED: 27.5 MPH
 15th PERCENTILE SPEED: 23.7 MPH

Radar Speed Survey Field Sheet

HARTZOG AND CRABILL INC.
Consulting Traffic Engineers
1192 Inna Rd., Suite 102, Inna, CA 92650
(916) 331-9165

AGENCY: CITY OF LAGUNA HILLS DATE: 02-18-2020
STREET: BRIDLEWOOD DRIVE ROAD CONDITION: DRY START TIME: 1:30 PM
LOCATION: NELLIE GAIL RD TO OGD Pkwy OBSERVER: CATHY BUENDIA END TIME: 2:30 PM VM

WEATHER: SUNNY



AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



BRIDLEWOOD DRIVE

OSO PKWY TO LAUREL CREST

DATE: 2/18/2020

SURVEY BY: C. BUENDIA

TIME: 2:30 PM - 3:30 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	NORTH OF APRIAN
DATE OF SURVEY	2/18/2020
85th PERCENTILE	36.0 MPH
10 MPH PACE	28 - 37 MPH
PERCENT IN PACE	78.2 %
POSTED SPEED LIMIT	30 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	0
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	1,000
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - OSO, STOP - LAUREL CREST
CROSSWALKS	AT OSO / LAUREL CREST
PEDESTRIAN/BICYCLES	YES / NO
TRUCK TRAFFIC	NO
ON-STREET PARKING	PERMITTED, NONE OBSERVED
OTHER	EQUESTRIAN TRAILS & XINGS

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.25
VERTICAL CURVE	CONSTANT MODERATE-STEEP UPHILL (NB)
HORIZONTAL CURVE	CONSTANT MODERATE "S" CURVES
LATERAL VISIBILITY	LIMITED-FAIR SIGHT DISTANCE
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / NO
STREET LIGHTING	YES
OTHER	

ADJACENT LAND USE	RESIDENTIAL (NF)**
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RECOMMENDED SPEED LIMIT	30 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:

This portion of Bridlewood is a two lane roadway. The posted speed limit is 30 mph. Based upon the 85th percentile speed of 36.0 mph, the CVC code suggests a 35 mph speed limit. However, due to (1) the residential nature of the area, (2) steep grades and curving nature of the roadway, (3) areas of limited sight distance, and (4) with a vertical curve north of Aprian the sight distance exiting said street is approximately 210 feet and the CVC required distance for a 35 mph speed limit is 250 feet, it is recommended that the 25 mph speed limit be maintained.

** RESIDENTIAL (non-fronting to roadway, separated by brick walls or landscaped hillsides)

F+NF = fronting + non-fronting

Note: The sight distance at Aprian is approximately 210 ft.

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

BRIDLEWOOD DRIVE

DATE: 2/18/2020

TIME: 2:30 PM - 3:30 PM

OSO PKWY TO LAUREL CREST

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	100.0%
53					X	100.0%
52					X	100.0%
51					X	100.0%
50					X	100.0%
49					X	100.0%
48					X	100.0%
47					X	100.0%
46					X	100.0%
45					X	100.0%
44					X	100.0%
43					X	100.0%
42					X	100.0%
41					X	99.0%
40					X	99.0%
39					X	98.0%
38					X	96.0%
37					X	93.1% }PACE
36				X	X	85.1% }PACE
35				X		81.2% }PACE ---85PCT
34			X	X		71.3% }PACE
33			X			65.3% }PACE
32			X			57.4% }PACE
31		X				43.6% }PACE ---MEAN
30		X				35.6% }PACE
29		X				25.7% }PACE
28		X				19.8% }PACE
27	X					14.9% ---15PCT
26	X					7.9%
25	X					5.9%
24	X					1.0%
23	X					1.0%
22	X					1.0%
21	X					0.0%
20	X					0.0%
19	X					0.0%
18	X					0.0%
17	X					0.0%
16	X					0.0%
15	X					0.0%

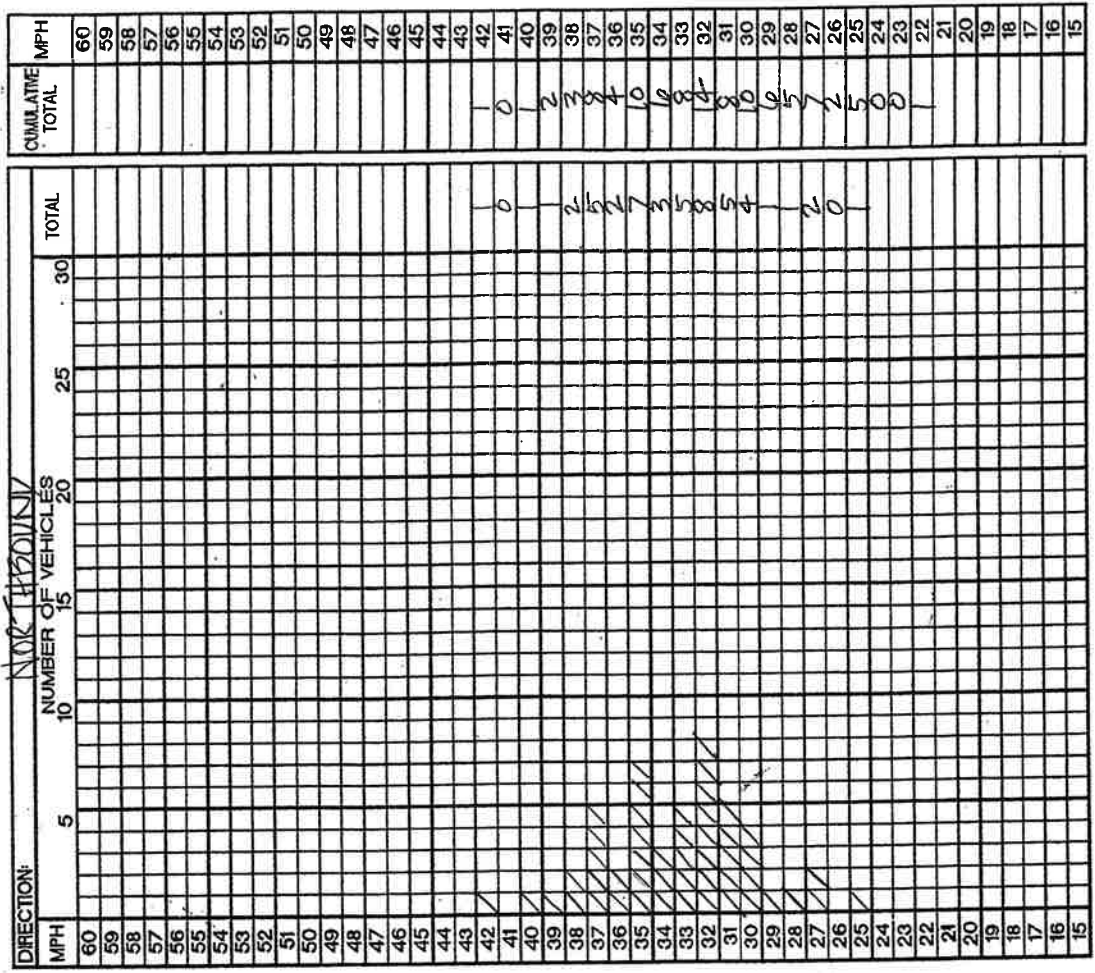
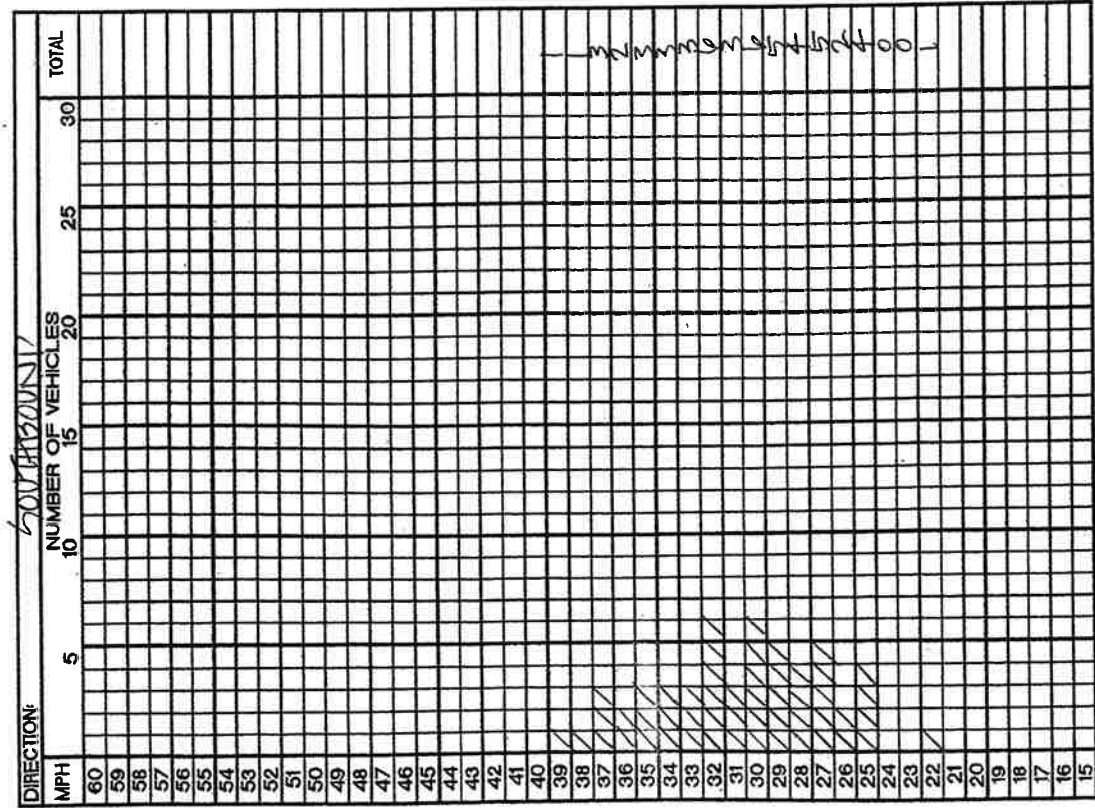
UPPER LIMIT 10 MPH PACE: 37 MPH
 LOWER LIMIT 10 MPH PACE: 28 MPH
 PERCENT OVER PACE: 6.9 %
 PERCENT IN PACE: 78.2 %
 PERCENT UNDER PACE: 14.9 %

85th PERCENTILE SPEED: 36.0 MPH
 MEDIAN SPEED: 31.5 MPH
 15th PERCENTILE SPEED: 27.0 MPH

HARTZOG AND CRABILL INC.
 Consulting Traffic Engineers
 11501 Main Street, Suite 100
 San Diego, CA 92120
 (619) 581-9100

Radar Speed Survey Field Sheet

AGENCY: CITY OF LAGUNA HILLS DATE: 02-18-2020
 STREET: BRIDLEWOOD DRIVE ROAD CONDITION: DRY START TIME: 2:30 PM
 LOCATION: DEO PRINNY TO LABEL CREST OBSERVER: CATHY BUENDIA END TIME: 3:30 PM



AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



CABOT ROAD

LA PAZ RD TO PASEO DE VALENCIA

DATE: 3/20/2020

SURVEY BY: C. BUENDIA

TIME: 10:30 AM - 11:10 AM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	SOUTH OF LA PAZ
DATE OF SURVEY	3/20/2020
85th PERCENTILE	47.6 MPH
10 MPH PACE	40 - 49 MPH
PERCENT IN PACE	70.3 %
POSTED SPEED LIMIT	45 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	4
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	9,800
LANE CONFIGURATION	2 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - LA PAZ / PASEO DE VALENCIA
CROSSWALKS	AT LA PAZ
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	YES
ON-STREET PARKING	NO STOPPING AT ANYTIME ENTIRE BLOCK
OTHER	BIKE ROUTE

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.49
VERTICAL CURVE	SLIGHT UP-DOWNHILL GRADES
HORIZONTAL CURVE	SLIGHT "S" CURVES
LATERAL VISIBILITY	GOOD
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / YES
STREET LIGHTING	YES
OTHER	PARTIAL PAINTED ISLAND & 2 WAY LEFT TURN LANE NO SHOULDERS

ADJACENT LAND USE	COMMERCIAL / BUSINESS
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RECOMMENDED SPEED LIMIT	45 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended 45 mph is within 2.6 mph of the 85th percentile speed and meets CVC standards.

File: Cabot 2020-14

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

CABOT ROAD

DATE: 3/20/2020

TIME: 10:30 AM - 11:10 AM

LA PAZ RD TO PASEO DE VALENCIA

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 100.0%
58						X 100.0%
57						X 100.0%
56						X 100.0%
55						X 100.0%
54						X 99.3%
53						X 98.6%
52						X 98.0%
51						X 97.3%
50						X 95.3%
49						X 92.6% }PACE
48						X 86.5% }PACE
47						X 82.4% }PACE ---85PCT
46						X 78.4% }PACE
45						X 73.0% }PACE
44						X 60.8% }PACE
43						X 51.4% }PACE
42						X 43.2% }PACE ---MEAN
41						X 33.8% }PACE
40						X 30.4% }PACE
39						X 22.3%
38						X 18.2%
37						X 13.5% ---15PCT
36						X 9.5%
35						X 7.4%
34						X 4.7%
33						X 3.4%
32						X 2.0%
31						X 0.7%
30						X 0.0%
29						X 0.0%
28						X 0.0%
27						X 0.0%
26						X 0.0%
25						X 0.0%
24						X 0.0%
23						X 0.0%
22						X 0.0%
21						X 0.0%
20						X 0.0%
19						X 0.0%
18						X 0.0%
17						X 0.0%
16						X 0.0%
15						X 0.0%

UPPER LIMIT 10 MPH PACE: 49 MPH
 LOWER LIMIT 10 MPH PACE: 40 MPH
 PERCENT OVER PACE: 7.4 %
 PERCENT IN PACE: 70.3 %
 PERCENT UNDER PACE: 22.3 %

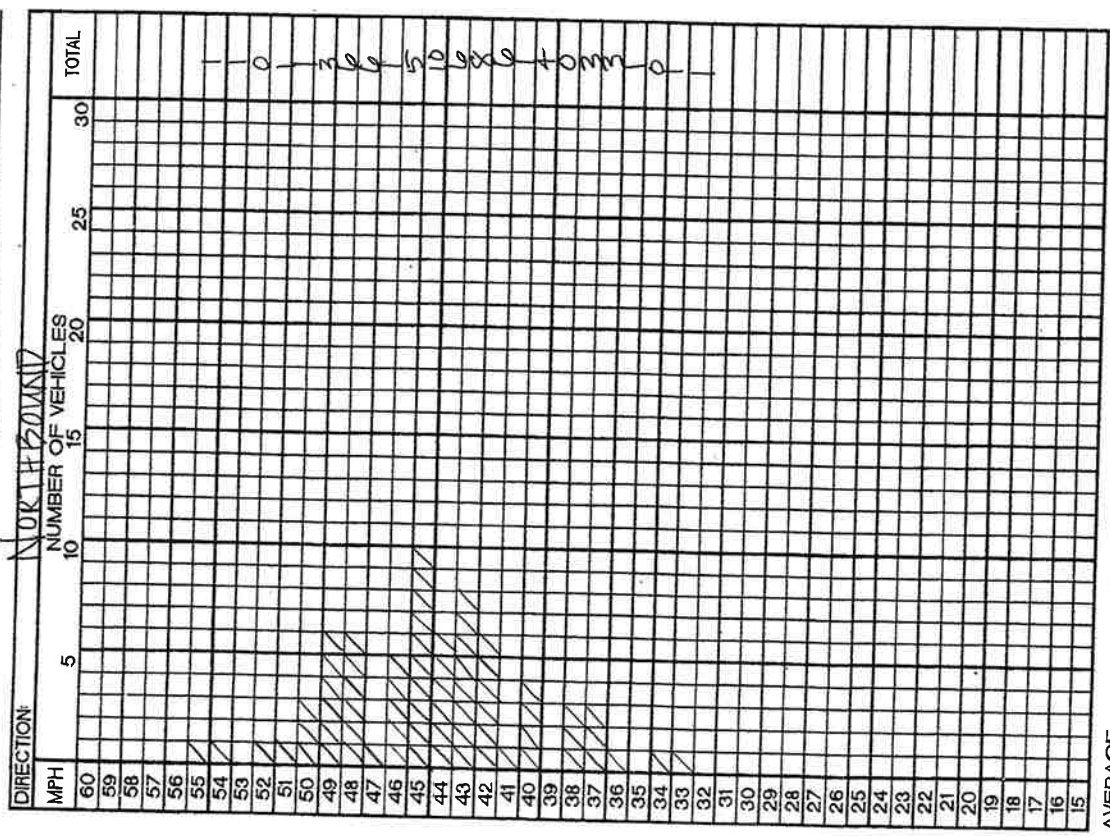
85th PERCENTILE SPEED: 47.6 MPH
 MEDIAN SPEED: 42.8 MPH
 15th PERCENTILE SPEED: 37.3 MPH

Radar Speed Survey Field Sheet

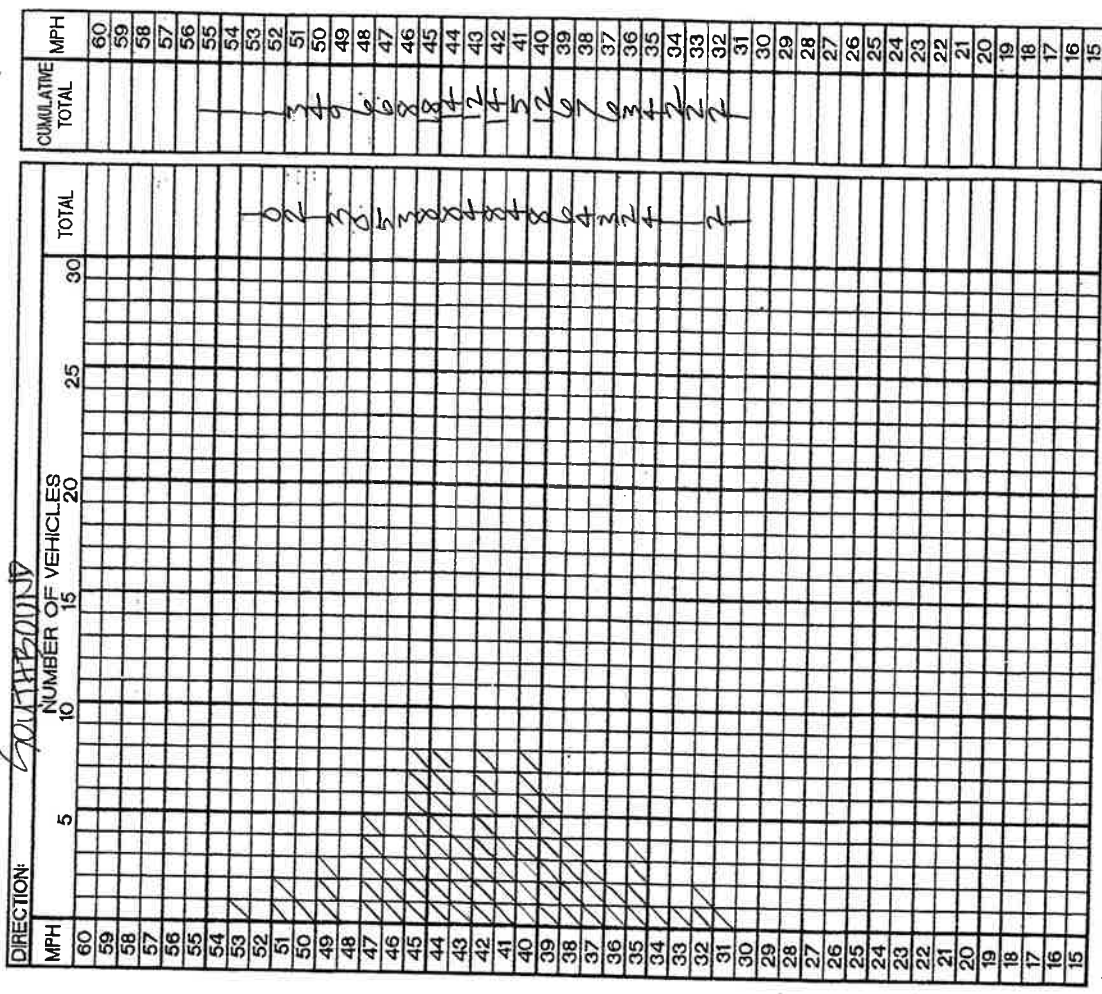
HARTZOG AND CRIBB INC.

AGENCY: CITY OF LAGUNA HILLS
 STREET: CAPT ROAD
 LOCATION: LA PAZ RY TO PASEO DE VALENCIA

WEATHER: CLOUDY / SUNNY
 ROAD CONDITION: DRY
 OBSERVER: CATHY BUENDIA
 DATE: 03-20-2020
 START TIME: 10:30 AM
 END TIME: 11:10 AM



AVERAGE SPEED: _____ PACE SPEED: _____
 CRITICAL SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____



AVERAGE SPEED: _____ PACE SPEED: _____
 CRITICAL SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



CABOT ROAD

PASEO DE VALENCIA TO OSO PKWY

DATE: 3/20/2020

SURVEY BY: C. BUENDIA

TIME: 11:15 AM - 11:50 AM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	SOUTH OF PASEO DE VALENCIA
DATE OF SURVEY	3/20/2020
85th PERCENTILE	47.8 MPH
10 MPH PACE	40 - 49 MPH
PERCENT IN PACE	79.9 %
POSTED SPEED LIMIT	45 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	1
TOTAL ACCIDENTS	7
ANNUAL ACCIDENT RATE	0.50 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.14 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	14,100
LANE CONFIGURATION	2 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - PASEO DE VALENCIA / NELLIE GAIL / EL PASEO / OSO
CROSSWALKS	AT PASEO DE VALENCIA / EL PASEO / OSO
PEDESTRIAN/BICYCLES	FEW / YES
TRUCK TRAFFIC	YES
ON-STREET PARKING	NO STOPPING AT ANYTIME ENTIRE BLOCK
OTHER	BIKE ROUTE

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.69
VERTICAL CURVE	SLIGHT UPHILL (SB)
HORIZONTAL CURVE	SLIGHT "S" CURVES
LATERAL VISIBILITY	GOOD
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	NO / NO (NB) - YES / NO (SB)
STREET LIGHTING	YES
OTHER	PAINTED ISLAND / NARROW SHOULDERS PASEO DE VALENCIA HAS FREE RIGHT ONTO CABOR RD (SB)

ADJACENT LAND USE	RESIDENTIAL (NF)** / COMMERCIAL / RxR (Parallels)
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RECOMMENDED SPEED LIMIT	45 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended 45 mph is within 2.8 mph of the 85th percentile speed and meets CVC standards.

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

CABOT ROAD

DATE: 3/20/2020

TIME: 11:15 AM - 11:50 AM

PASEO DE VALENCIA TO OSO PKWY

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	99.3%
53					X	98.7%
52					X	97.3%
51					X	96.6%
50					X	92.6%
49					X	89.9% }PACE
48					X	85.9% }PACE
47					X	80.5% }PACE ---85PCT
46				X		67.1% }PACE
45			X			58.4% }PACE
44			X			43.0% }PACE ---MEAN
43		X				35.6% }PACE
42		X				30.2% }PACE
41	X					20.1% }PACE
40	X					16.8% }PACE
39	X					10.1% ---15PCT
38	X					6.7%
37	X					3.4%
36	X					2.7%
35	X					1.3%
34	X					0.0%
33	X					0.0%
32	X					0.0%
31	X					0.0%
30	X					0.0%
29	X					0.0%
28	X					0.0%
27	X					0.0%
26	X					0.0%
25	X					0.0%
24	X					0.0%
23	X					0.0%
22	X					0.0%
21	X					0.0%
20	X					0.0%
19	X					0.0%
18	X					0.0%
17	X					0.0%
16	X					0.0%
15	X					0.0%

UPPER LIMIT 10 MPH PACE: 49 MPH
 LOWER LIMIT 10 MPH PACE: 40 MPH
 PERCENT OVER PACE: 10.1 %
 PERCENT IN PACE: 79.9 %
 PERCENT UNDER PACE: 10.1 %

85th PERCENTILE SPEED: 47.8 MPH
 MEDIAN SPEED: 44.5 MPH
 15th PERCENTILE SPEED: 39.7 MPH

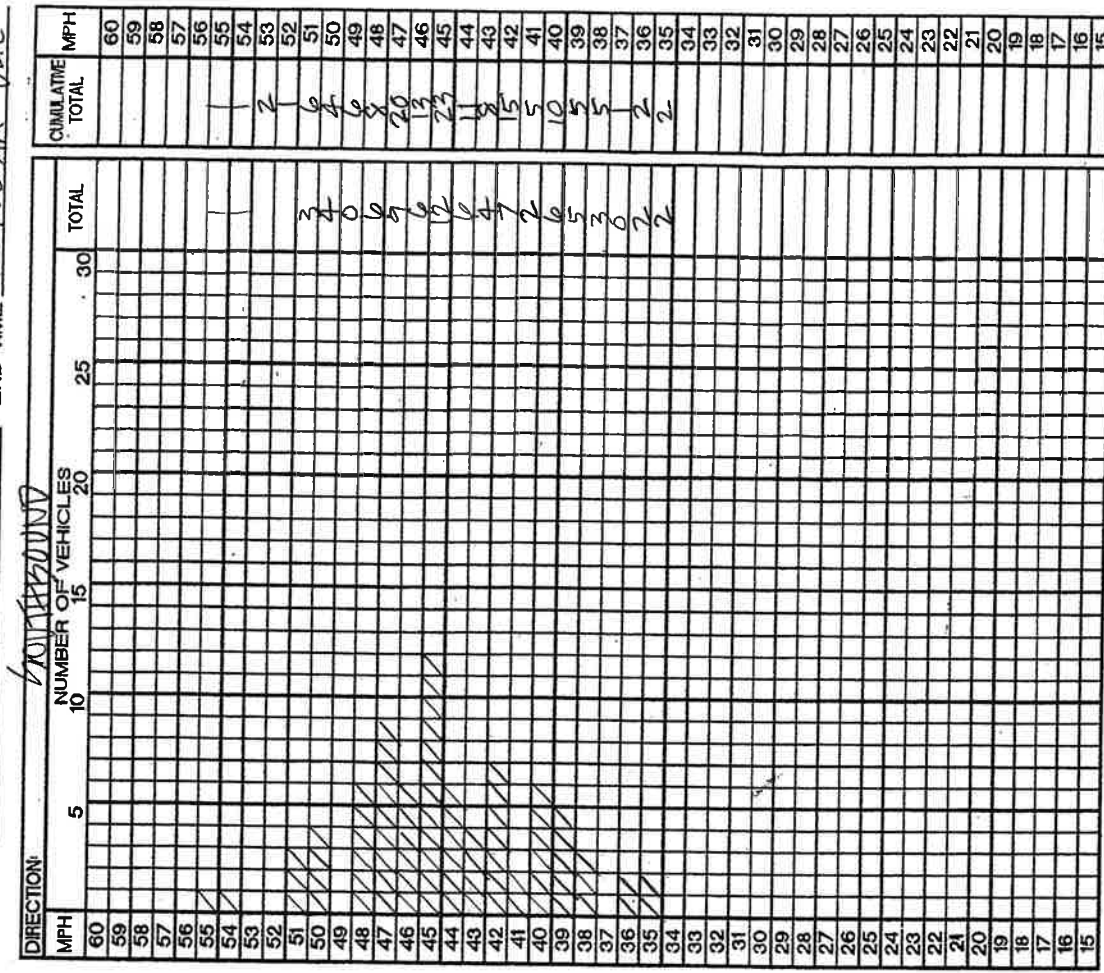
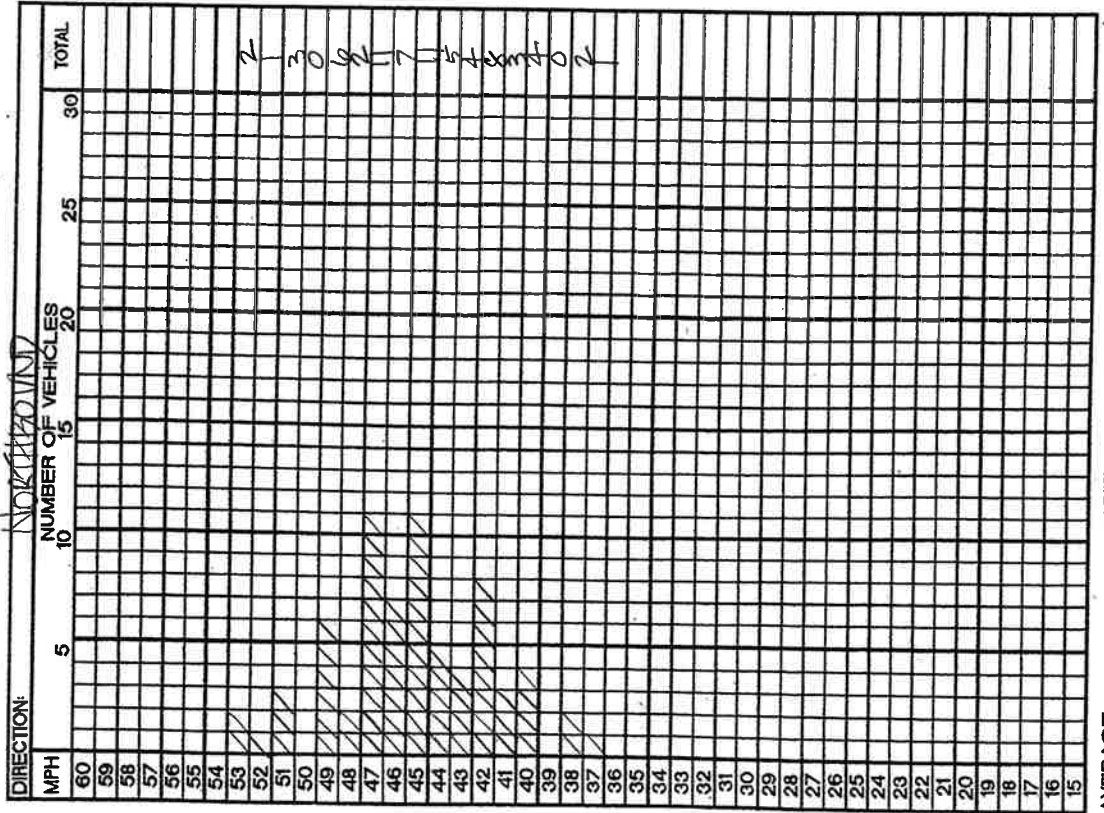
Radar Speed Survey Field Sheet

HARTZOG AND CRABELL INC.
 Consulting Traffic Engineers
 17921 John Rd., Suite 132, John, CA 95030
 (916) 731-4965

AGENCY: CITY OF LAGUNA HILLS
 STREET: CARROT ROAD
 LOCATION: PASEO DE VALENCIA TO OSO PINKY

WEATHER: SUNNY
 ROAD CONDITION: DRY
 OBSERVER: CATHY BUENDIA

DATE: 03-20-2020
 START TIME: 11:15 AM
 END TIME: 11:50 AM



AVERAGE SPEED: _____ PACE SPEED: _____
 CRITICAL SPEED: _____ CRITICAL SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



CABOT ROAD

OSO PKWY TO SOUTH CITY LIMITS (850' s/o Oso)

DATE: 1/7/2020

SURVEY BY: C. BUENDIA

TIME: 12:30 PM - 1:00 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	SOUTH OF OSO
DATE OF SURVEY	1/7/2020
85th PERCENTILE	46.5 MPH
10 MPH PACE	38 - 47 MPH
PERCENT IN PACE	70.6 %
POSTED SPEED LIMIT	45 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	1
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	17,500
LANE CONFIGURATION	2 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - OSO
CROSSWALKS	AT OSO
PEDESTRIAN/BICYCLES	FEW / YES
TRUCK TRAFFIC	YES
ON-STREET PARKING	NO STOPPING AT ANYTIME ENTIRE BLOCK
OTHER	BIKE ROUTE / BUS STOP (near Oso)
	PARKING PROHIBITED 1) ANY VEHICLE OVER 25', 2) UN-ATTACHED NON-MOTORIZED VEHICLES

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.16
VERTICAL CURVE	GRADUAL UP-DOWNHILL GRADES
HORIZONTAL CURVE	GRADUAL "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	NO / NO (NB) - YES / YES (SB)
STREET LIGHTING	YES
OTHER	PAINTED ISLAND
	NARROW SHOULDERS

ADJACENT LAND USE	RESIDENTIAL (NF)** / COMMERCIAL / RxR (Parallels)
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RECOMMENDED SPEED LIMIT	45 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
 The recommended 45 mph is within 1.5 mph of the 85th percentile speed and meets CVC standards.

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

CABOT ROAD

DATE: 1/7/2020

TIME: 12:30 PM - 1:00 PM

OSO PKWY TO SOUTH CITY LIMITS (850' s/

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	100.0%
53					X	98.8%
52					X	98.1%
51					X	98.1%
50					X	96.9%
49					X	93.8%
48					X	90.0%
47					X	88.8% }PACE
46				X	X	81.3% }PACE ---85PCT
45				X	X	71.9% }PACE
44				X	X	61.9% }PACE
43			X	X	X	52.5% }PACE
42			X	X	X	44.4% }PACE ---MEAN
41			X	X	X	37.5% }PACE
40			X	X	X	29.4% }PACE
39		X	X	X	X	24.4% }PACE
38		X	X	X	X	20.6% }PACE
37		X	X	X	X	18.1%
36	X	X	X	X	X	11.3% ---15PCT
35	X	X	X	X	X	8.1%
34	X	X	X	X	X	3.8%
33	X	X	X	X	X	3.1%
32	X	X	X	X	X	1.3%
31	X	X	X	X	X	0.6%
30	X	X	X	X	X	0.0%
29	X	X	X	X	X	0.0%
28	X	X	X	X	X	0.0%
27	X	X	X	X	X	0.0%
26	X	X	X	X	X	0.0%
25	X	X	X	X	X	0.0%
24	X	X	X	X	X	0.0%
23	X	X	X	X	X	0.0%
22	X	X	X	X	X	0.0%
21	X	X	X	X	X	0.0%
20	X	X	X	X	X	0.0%
19	X	X	X	X	X	0.0%
18	X	X	X	X	X	0.0%
17	X	X	X	X	X	0.0%
16	X	X	X	X	X	0.0%
15	X	X	X	X	X	0.0%

UPPER LIMIT 10 MPH PACE: 47 MPH
 LOWER LIMIT 10 MPH PACE: 38 MPH
 PERCENT OVER PACE: 11.3 %
 PERCENT IN PACE: 70.6 %
 PERCENT UNDER PACE: 18.1 %

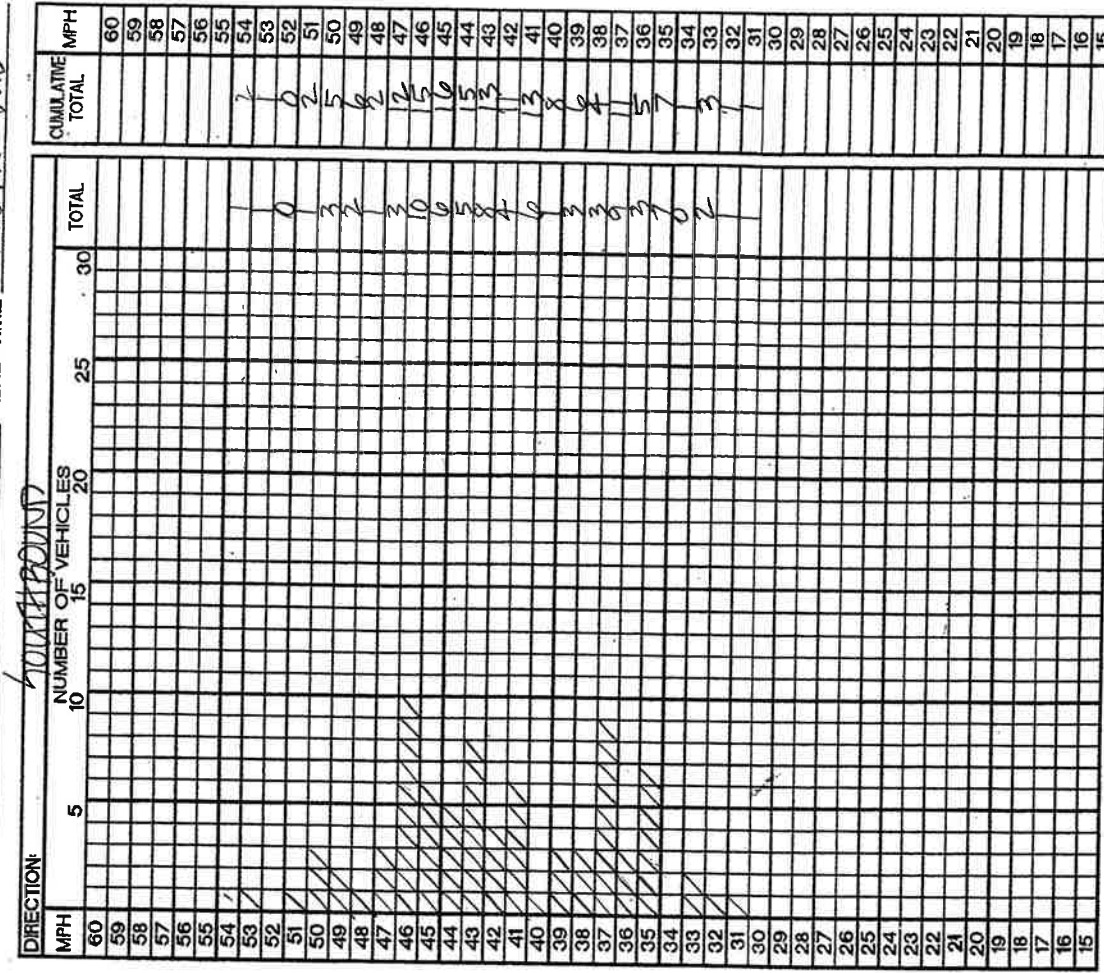
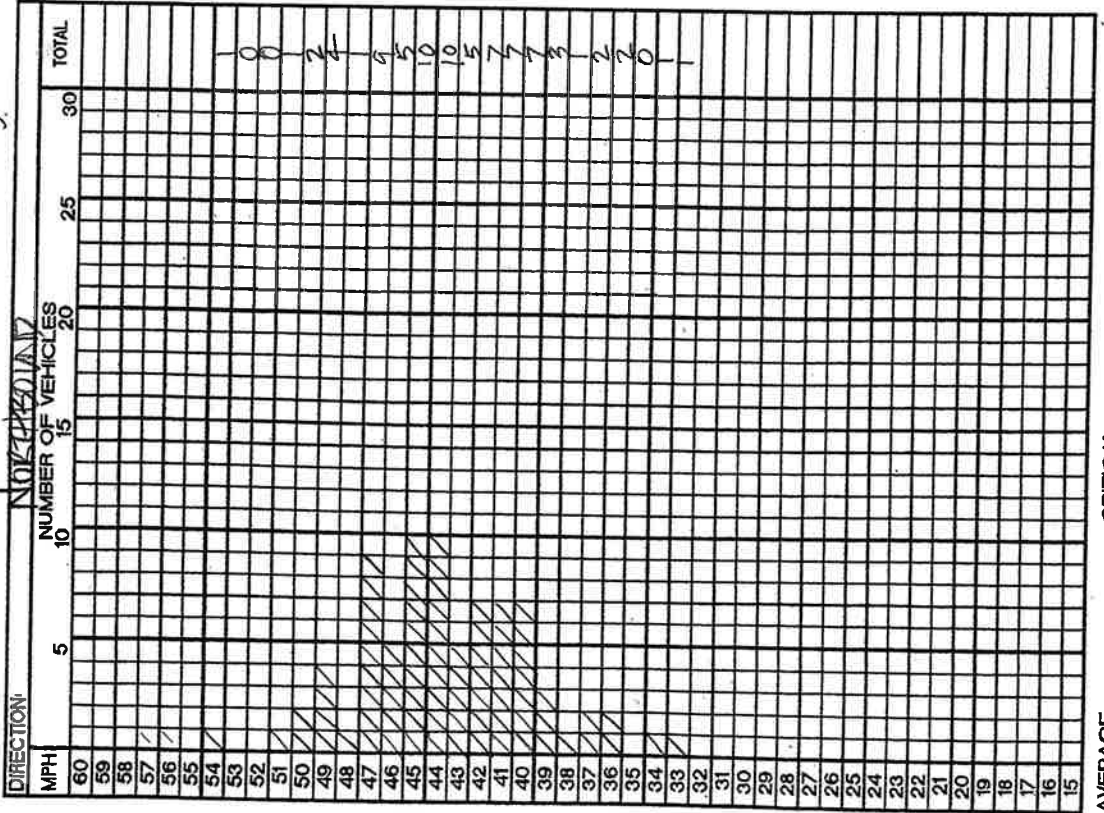
85th PERCENTILE SPEED: 46.5 MPH
 MEDIAN SPEED: 42.7 MPH
 15th PERCENTILE SPEED: 36.5 MPH

Radar Speed Survey Field Sheet

AGENCY: CITY OF LASUNNA HILLS
 STREET: CARROT ROAD
 LOCATION: 050 PLYMOUTH TO S.C.L. (850'S TO 050)

WEATHER: WINDY
 ROAD CONDITION: DRY
 OBSERVER: CATHY BUENDIA

DATE: 01-07-2020
 START TIME: 12:30 PM
 END TIME: 1:00 PM VUL



AVERAGE SPEED: _____ PACE SPEED: _____
 CRITICAL SPEED: _____ CRITICAL SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



CABOT ROAD

RAPID FALLS RD TO SOUTH CITY LIMITS (850' s/o Rapid Falls)

DATE: 1/7/2020

SURVEY BY: C. BUENDIA

TIME: 1:00 PM - 1:30 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	SOUTH OF RAPID FALLS
DATE OF SURVEY	1/7/2020
85th PERCENTILE	47.8 MPH
10 MPH PACE	40 - 49 MPH
PERCENT IN PACE	69.3 %
POSTED SPEED LIMIT	45 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	0
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	13,700
LANE CONFIGURATION	2 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - RAPID FALLS / PARK ENTRANCE
CROSSWALKS	AT RAPID FALLS
PEDESTRIAN/BICYCLES	NO / YES
TRUCK TRAFFIC	YES
ON-STREET PARKING	NO STOPPING AT ANYTIME ENTIRE BLOCK
OTHER	BIKE ROUTE RED CURB (at Rapid Falls-SB)

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.15
VERTICAL CURVE	SLIGHT UP-DOWNHILL GRADES
HORIZONTAL CURVE	GRADUAL "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE (slight)
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / NO
STREET LIGHTING	YES
OTHER	PAINTED ISLAND NARROW SHOULDERS

ADJACENT LAND USE	RESIDENTIAL (NF)** /PARK / RxR (Parallels)
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RECOMMENDED SPEED LIMIT	45 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended 45 mph is within 2.8 mph of the 85th percentile speed and meets CVC standards.

File: Cabot 2020-17

RADAR SPEED DISTRIBUTION SHEET

CITY OF LAGUNA HILLS



CABOT ROAD

RAPID FALLS RD TO SOUTH CITY LIMITS (85C)

DATE: 1/7/2020

SURVEY BY:

C. BUENDIA

TIME: 1:00 PM - 1:30 PM

CHECKED BY:

JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	100.0%
53					X	99.4%
52					X	98.2%
51					X	98.2%
50					X	95.2%
49					X	90.4% }PACE
48					X	86.1% }PACE
47					X	79.5% }PACE ---85PCT
46					X	70.5% }PACE
45					X	64.5% }PACE
44					X	53.0% }PACE
43					X	47.0% }PACE ---MEAN
42					X	39.2% }PACE
41					X	33.7% }PACE
40					X	30.7% }PACE
39					X	21.1%
38					X	16.9%
37					X	13.9% ---15PCT
36					X	12.7%
35					X	7.2%
34					X	4.2%
33					X	4.2%
32					X	3.0%
31					X	1.2%
30					X	0.0%
29					X	0.0%
28					X	0.0%
27					X	0.0%
26					X	0.0%
25					X	0.0%
24					X	0.0%
23					X	0.0%
22					X	0.0%
21					X	0.0%
20					X	0.0%
19					X	0.0%
18					X	0.0%
17					X	0.0%
16					X	0.0%
15					X	0.0%

UPPER LIMIT 10 MPH PACE: 49 MPH
 LOWER LIMIT 10 MPH PACE: 40 MPH
 PERCENT OVER PACE: 13.9 %
 PERCENT IN PACE: 69.3 %
 PERCENT UNDER PACE: 21.1 %

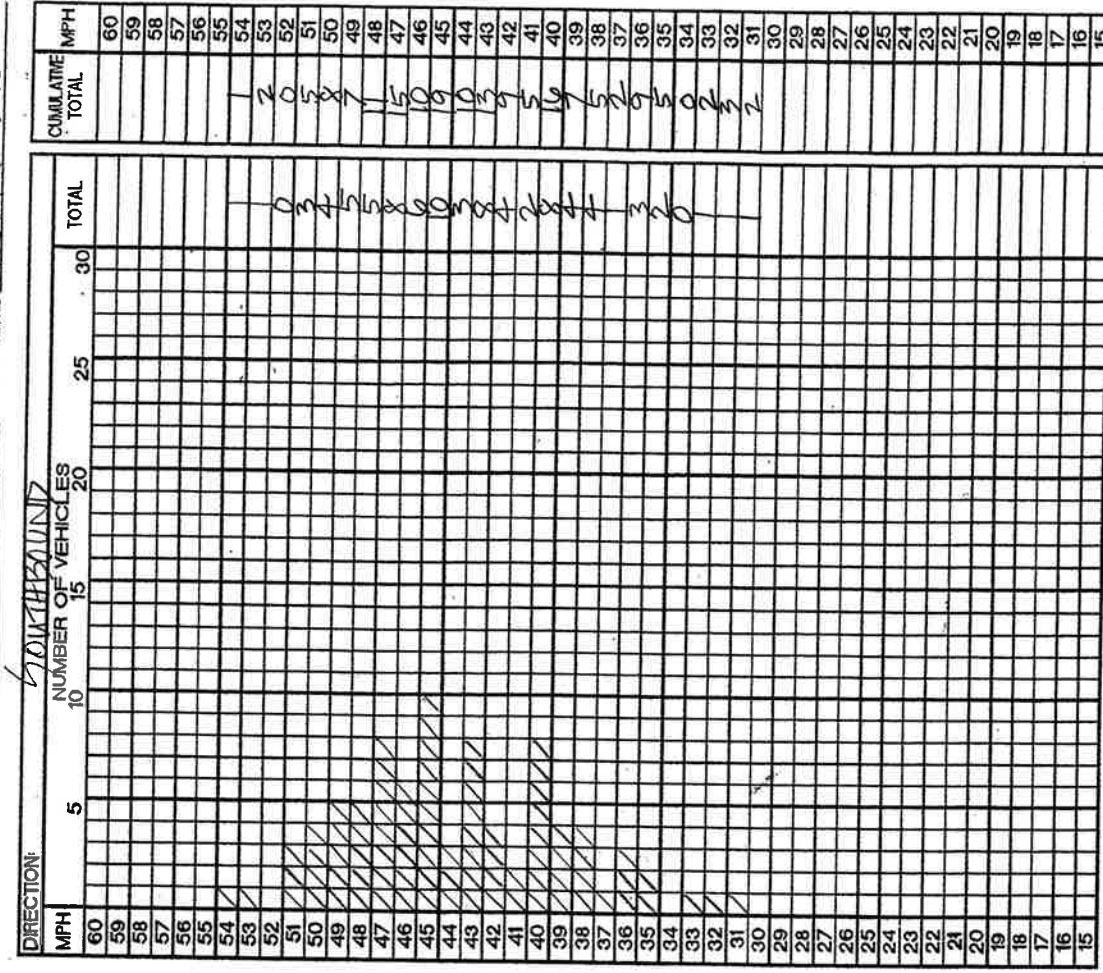
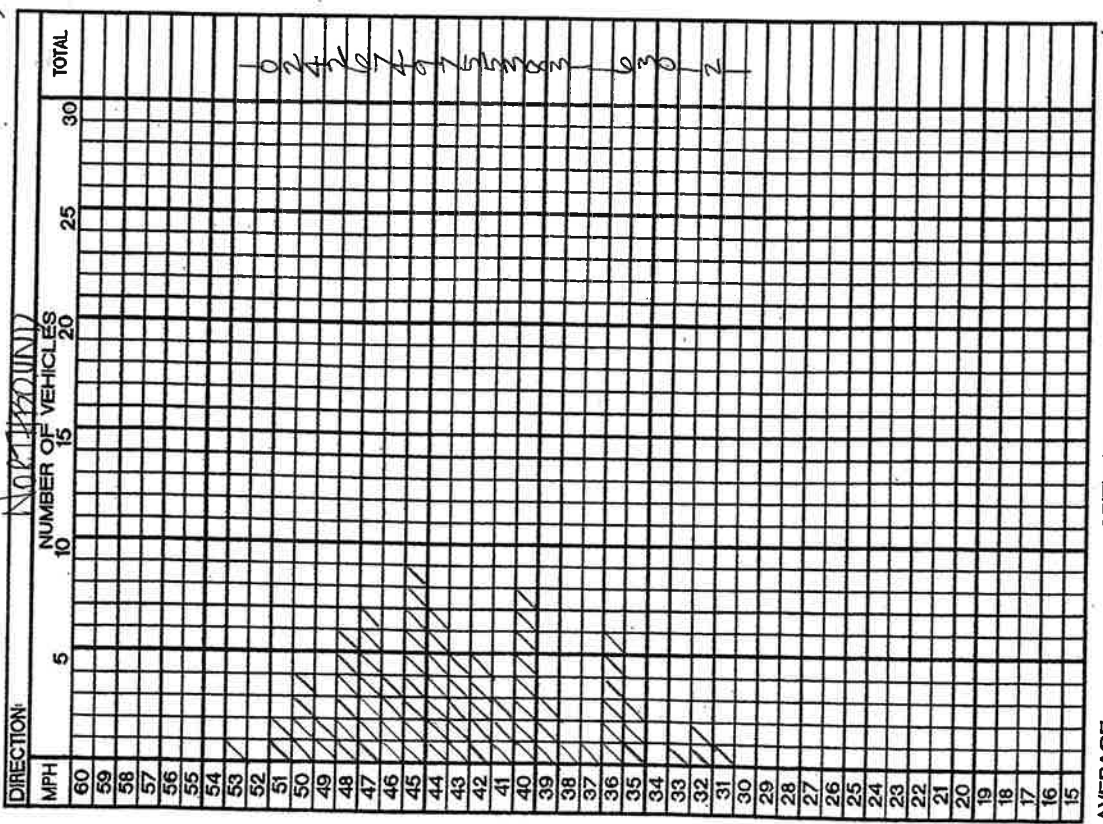
85th PERCENTILE SPEED: 47.8 MPH
 MEDIAN SPEED: 43.5 MPH
 15th PERCENTILE SPEED: 37.4 MPH

Radar Speed Survey Field Sheet

HARTZOG AND CRIBELL INC.
Consulting Traffic Engineers
19954 Egan Road, Suite 102, Lakeville, MN 55043
(763) 441-4100

AGENCY: CITY OF LAGUNA HILLS
STREET: CARROT ROAD
LOCATION: RAPID FALLS RD TO SCL CROSSING RAPID FALLS

WEATHER: SUNNY
ROAD CONDITION: DRY
OBSERVER: CATHY BUENDIA
DATE: 01-07-2020
START TIME: 1:00 PM
END TIME: 1:30 PM VIA



AVERAGE SPEED: _____ PACE SPEED: _____
CRITICAL SPEED: _____
CUMULATIVE (BOTH DIRECTIONS) _____

AVERAGE SPEED: _____ PACE SPEED: _____
CRITICAL SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



EL TORO ROAD

I-5 FREEWAY TO PASEO DE VALENCIA

DATE: 2/13/2020

SURVEY BY: C. BUENDIA

TIME: 2:00 PM - 2:40 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	EAST OF PASEO DE VALENCIA
DATE OF SURVEY	2/13/2020
85th PERCENTILE	37.5 MPH
10 MPH PACE	28 - 37 MPH
PERCENT IN PACE	70.2 %
POSTED SPEED LIMIT	35 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	2
TOTAL ACCIDENTS	23
ANNUAL ACCIDENT RATE	1.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.20 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	36,400
LANE CONFIGURATION	3 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - AVD DE LA CARLOTA / REGIONAL CTR / PASEO DE VALENCIA
CROSSWALKS	AT AVD DE LA CARLOTA / REGIONAL CTR / PASEO DE VALENCIA
PEDESTRIAN/BICYCLES	YES / FEW
TRUCK TRAFFIC	YES
ON-STREET PARKING	NO PARKING & STOPPING AT ANYTIME
OTHER	BUS STOP CUT-OUTS

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.37
VERTICAL CURVE	NONE
HORIZONTAL CURVE	GRADUAL "C" CURVES
LATERAL VISIBILITY	GOOD
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / YES
STREET LIGHTING	YES
OTHER	RAISED MEDIAN ISLAND / NO SHOULDERS SHORT DISTANCE BTWN SIGNALS - SURVEYED ON GREENS ONLY

ADJACENT LAND USE	LAGUNA HILLS MALL / COMMERCIAL
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RECOMMENDED SPEED LIMIT	35 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended 35 mph is within 2.5 mph of the 85th percentile speed and meets CVC standards.

RADAR SPEED DISTRIBUTION SHEET

CITY OF LAGUNA HILLS



EL TORO ROAD

DATE: 2/13/2020

TIME: 2:00 PM - 2:40 PM

I-5 FREEWAY TO PASEO DE VALENCIA

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	100.0%
53					X	100.0%
52					X	100.0%
51					X	100.0%
50					X	100.0%
49					X	100.0%
48					X	100.0%
47					X	100.0%
46					X	100.0%
45					X	99.4%
44					X	98.9%
43					X	98.3%
42					X	98.3%
41					X	98.3%
40					X	95.6%
39					X	91.2%
38					X	87.8%
37					X	81.8% }PACE ---85PCT
36					X	74.6% }PACE
35					X	69.6% }PACE
34					X	60.2% }PACE
33					X	54.7% }PACE
32					X	47.0% }PACE ----MEAN
31					X	40.3% }PACE
30					X	30.4% }PACE
29					X	23.2% }PACE
28					X	18.8% }PACE
27					X	11.6% ---15PCT
26					X	5.5%
25					X	4.4%
24					X	1.7%
23					X	1.1%
22					X	0.0%
21					X	0.0%
20					X	0.0%
19					X	0.0%
18					X	0.0%
17					X	0.0%
16					X	0.0%
15					X	0.0%

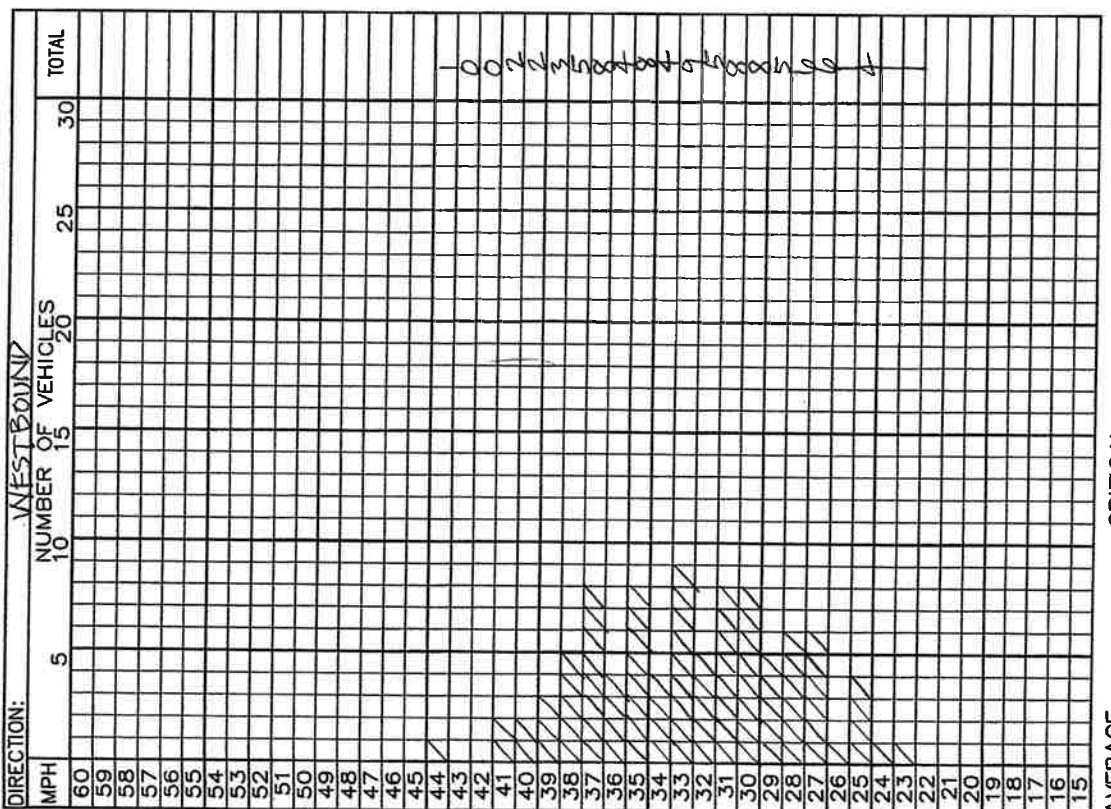
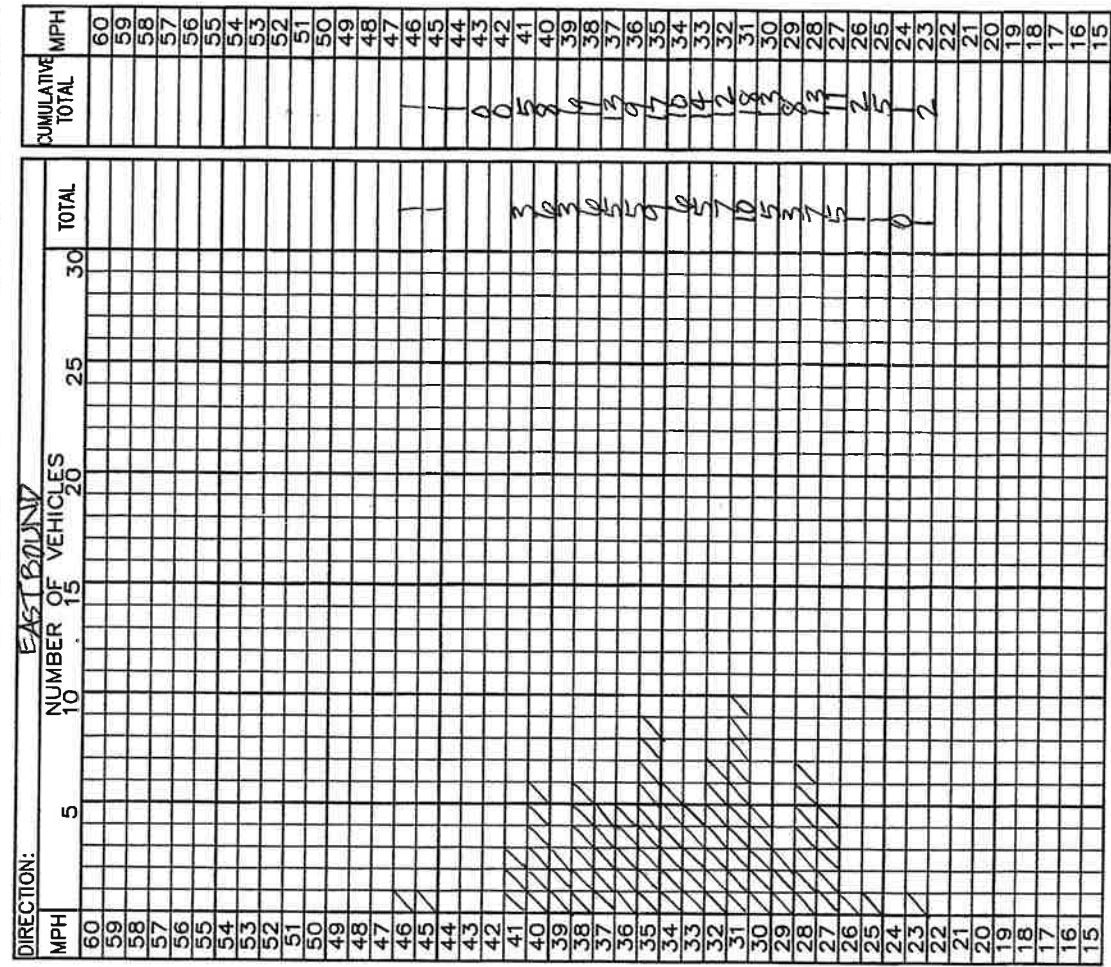
UPPER LIMIT 10 MPH PACE: 37 MPH
 LOWER LIMIT 10 MPH PACE: 28 MPH
 PERCENT OVER PACE: 18.2 %
 PERCENT IN PACE: 70.2 %
 PERCENT UNDER PACE: 11.6 %

85th PERCENTILE SPEED: 37.5 MPH
 MEDIAN SPEED: 32.4 MPH
 15th PERCENTILE SPEED: 27.5 MPH



Radar Speed Survey Field Sheet

AGENCY: CITY OF LAGUNA HILLS
 STREET: EL TORO ROAD
 LOCATION: I-5 Fwy TO PASO DE VALENCIA
 WEATHER: SLUDDY DATE: 02-13-2020
 ROAD CONDITION: DRY START TIME: 2:00 PM
 OBSERVER: Cathy Buendia END TIME: 2:40 PM 11AM



AVERAGE SPEED: _____ PACE SPEED: _____
 CRITICAL SPEED: _____ CRITICAL SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



GALLUP CIRCLE

LA PAZ RD TO NELLIE GAIL RD

DATE: 2/12/2020

SURVEY BY: C. BUENDIA

TIME: 2:50 PM - 4:00 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	WEST OF RANGEWOOD
DATE OF SURVEY	2/12/2020
85th PERCENTILE	27.0 MPH
10 MPH PACE	20 - 29 MPH
PERCENT IN PACE	88.9 %
POSTED SPEED LIMIT	25 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	0
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	800
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	STOP - LA PAZ / NELLIE GAIL
CROSSWALKS	NONE
PEDESTRIAN/BICYCLES	YES / NO
TRUCK TRAFFIC	NO
ON-STREET PARKING	YES
OTHER	CHILDREN AT PLAY SIGNS POSTED EQUESTRIAN TRAILS AND CROSSINGS

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.59
VERTICAL CURVE	SLIGHT UP-DOWNHILL GRADES
HORIZONTAL CURVE	CONSTANT MODERATE SWEEPING "C" CURVE
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / YES
STREET LIGHTING	YES
OTHER	HEAVY DRIVEWAY ACCESS RAISED MEDIAN ISLAND AT LA PAZ

ADJACENT LAND USE	RESIDENTIAL (F) / PARK (at Nellie Gail)
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RECOMMENDED SPEED LIMIT	25 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended 25 mph is within 2.0 mph of the 85th percentile speed and meets CVC standards.

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

GALLUP CIRCLE

DATE: 2/12/2020

TIME: 2:50 PM - 4:00 PM

LA PAZ RD TO NELLIE GAIL RD

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 100.0%
58						X 100.0%
57						X 100.0%
56						X 100.0%
55						X 100.0%
54						X 100.0%
53						X 100.0%
52						X 100.0%
51						X 100.0%
50						X 100.0%
49						X 100.0%
48						X 100.0%
47						X 100.0%
46						X 100.0%
45						X 100.0%
44						X 100.0%
43						X 100.0%
42						X 100.0%
41						X 100.0%
40						X 100.0%
39						X 100.0%
38						X 100.0%
37						X 100.0%
36						X 100.0%
35						X 100.0%
34						X 100.0%
33						X 100.0%
32						X 100.0%
31						X 100.0%
30						X 97.5%
29						X 97.5%
28						X 95.1% }PACE
27						X 91.4% }PACE
26						X 85.2% }PACE
25						X 77.8% }PACE ---85PCT
24						X 65.4% }PACE
23						X 48.1% }PACE ---MEAN
22						X 33.3% }PACE
21						X 25.9% }PACE
20						X 17.3% }PACE
19						X 11.1% }PACE ---15PCT
18						X 6.2%
17						X 3.7%
16						X 3.7%
15						X 1.2%
						X 0.0%

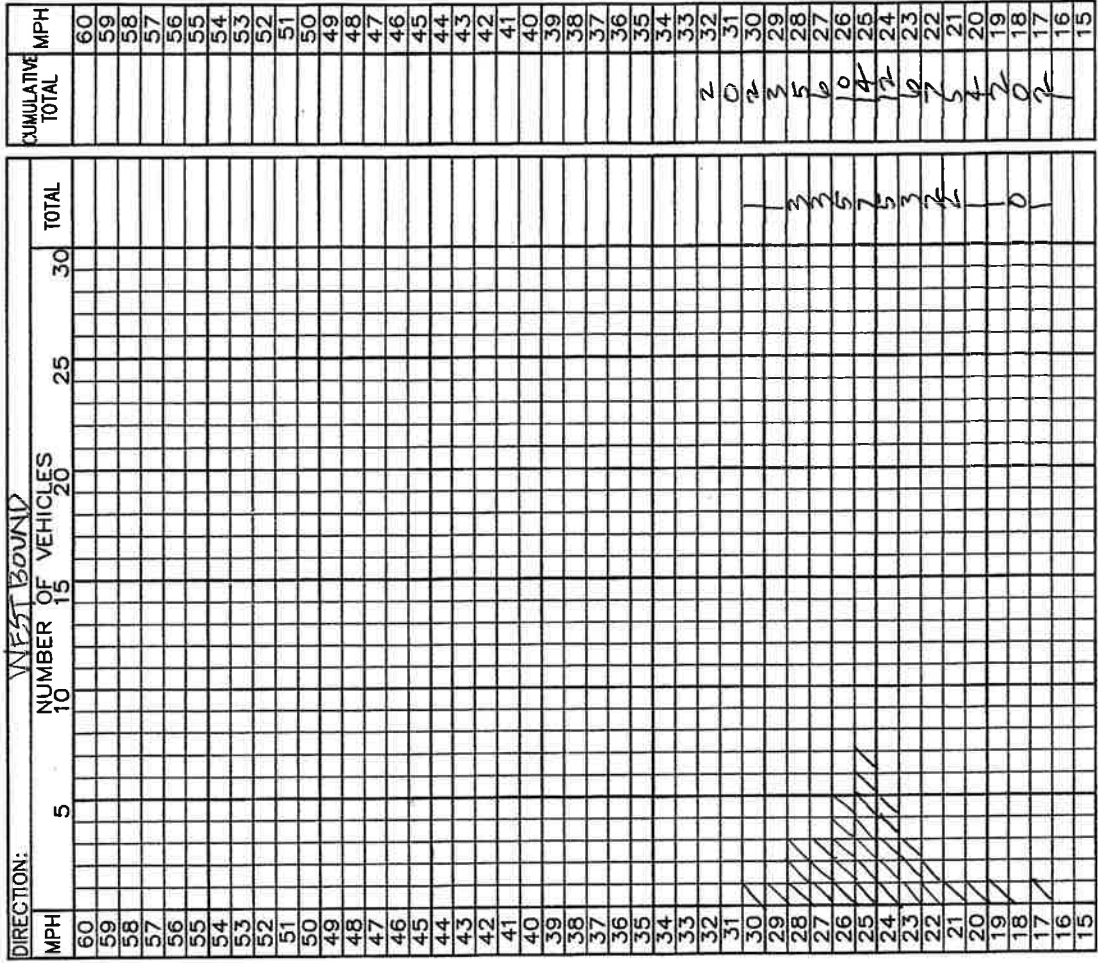
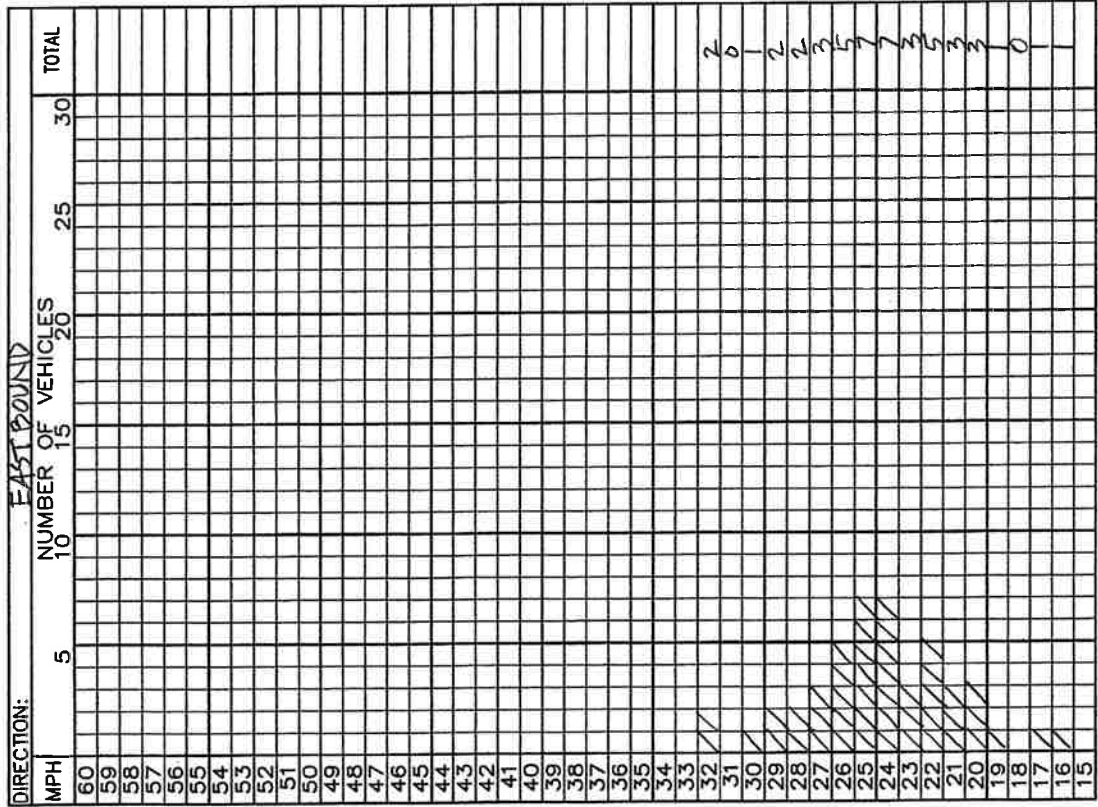
UPPER LIMIT 10 MPH PACE: 29 MPH
 LOWER LIMIT 10 MPH PACE: 20 MPH
 PERCENT OVER PACE: 4.9 %
 PERCENT IN PACE: 88.9 %
 PERCENT UNDER PACE: 6.2 %

85th PERCENTILE SPEED: 27.0 MPH
 MEDIAN SPEED: 24.1 MPH
 15th PERCENTILE SPEED: 20.6 MPH

Radar Speed Survey Field Sheet



AGENCY: CITY OF LAGUNA HILLS DATE: 02-12-2020
 STREET: GALLUP CIRCLE ROAD CONDITION: _____ START TIME: 2:50 PM
 LOCATION: LA PAZ RD TO NELLIE GAIL RD OBSERVER: Cathy Buendia END TIME: 4:00 PM VUB



ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



GORDON ROAD

MOULTON PKWY TO EAST END

DATE: 1/24/2020

SURVEY BY: C. BUENDIA

TIME: 3:00 PM - 4:15 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	EAST OF MOULTON
DATE OF SURVEY	1/24/2020
85th PERCENTILE	26.3 MPH
10 MPH PACE	18 - 27 MPH
PERCENT IN PACE	83.0 %
POSTED SPEED LIMIT	25 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	0
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	2,100
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	STOP - MOULTON
CROSSWALKS	NONE
PEDESTRIAN/BICYCLES	FEW / NO
TRUCK TRAFFIC	NO
ON-STREET PARKING	NO PARKING EXCEPT w/PERMINT
OTHER	

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.08
VERTICAL CURVE	SLIGHT UPHILL GRADE (EB)
HORIZONTAL CURVE	VERY SLIGHT "S" CURVE
LATERAL VISIBILITY	GOOD
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / NO
STREET LIGHTING	YES
OTHER	VERY SHORT SEGMENT

ADJACENT LAND USE	RESIDENTIAL (NF) / WATER DISTRICT
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RECOMMENDED SPEED LIMIT	25 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
 The recommended 25 mph is within 1.3 mph of the 85th percentile speed and meets CVC standards.

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

GORDON ROAD

DATE: 1/24/2020

TIME: 3:00 PM - 4:15 PM

MOULTON PKWY TO EAST END

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 100.0%
58						X 100.0%
57						X 100.0%
56						X 100.0%
55						X 100.0%
54						X 100.0%
53						X 100.0%
52						X 100.0%
51						X 100.0%
50						X 100.0%
49						X 100.0%
48						X 100.0%
47						X 100.0%
46						X 100.0%
45						X 100.0%
44						X 100.0%
43						X 100.0%
42						X 100.0%
41						X 100.0%
40						X 100.0%
39						X 100.0%
38						X 100.0%
37						X 100.0%
36						X 100.0%
35						X 100.0%
34						X 100.0%
33						X 100.0%
32						X 100.0%
31						X 100.0%
30						X 98.0%
29						X 96.0%
28						X 91.0%
27						X 88.0% }PACE
26						X 84.0% }PACE ---85PCT
25						X 80.0% }PACE
24						X 68.0% }PACE
23						X 60.0% }PACE
22						X 52.0% }PACE
21						X 41.0% }PACE ---MEAN
20						X 29.0% }PACE
19						X 20.0% }PACE
18						X 12.0% }PACE ---15PCT
17						X 5.0%
16						X 4.0%
15						X 2.0%

UPPER LIMIT 10 MPH PACE: 27 MPH
 LOWER LIMIT 10 MPH PACE: 18 MPH
 PERCENT OVER PACE: 12.0 %
 PERCENT IN PACE: 83.0 %
 PERCENT UNDER PACE: 5.0 %

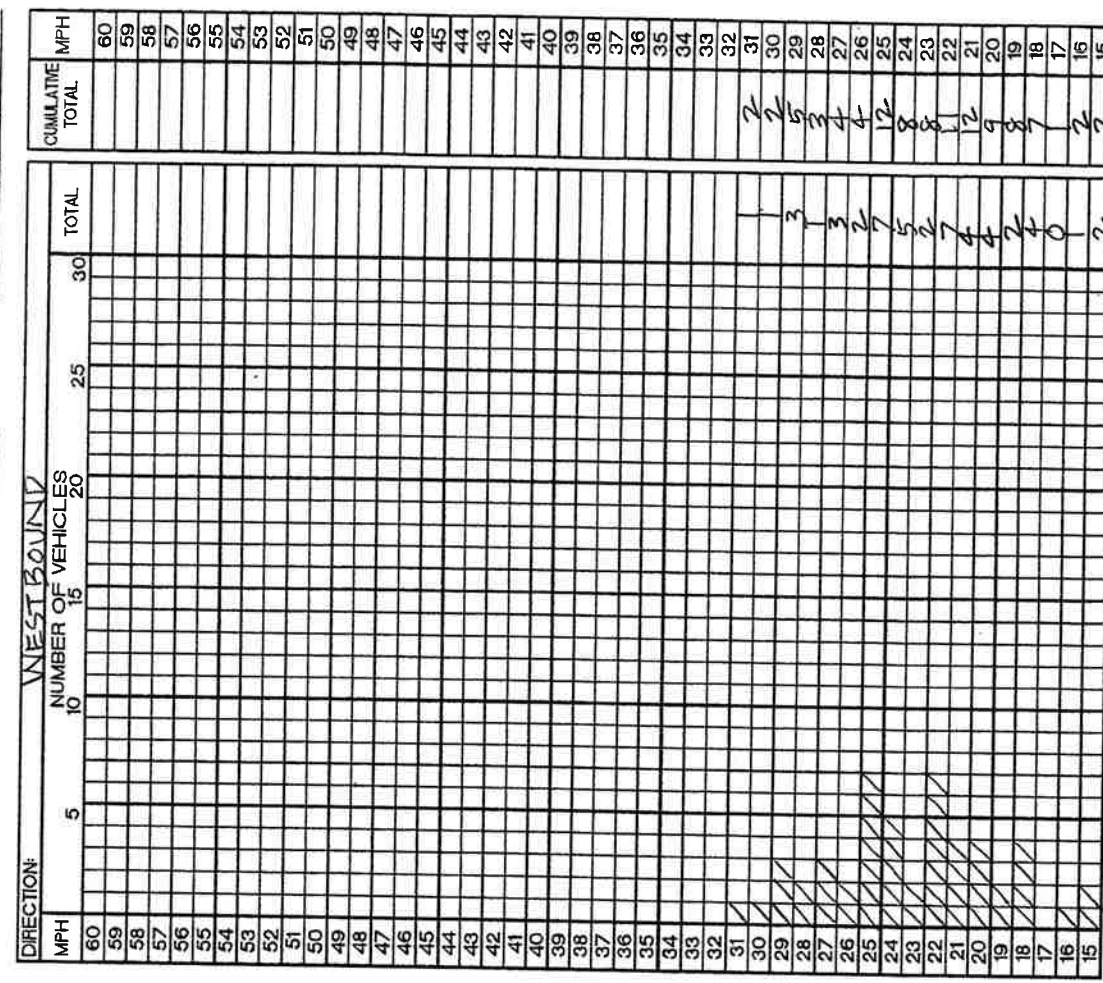
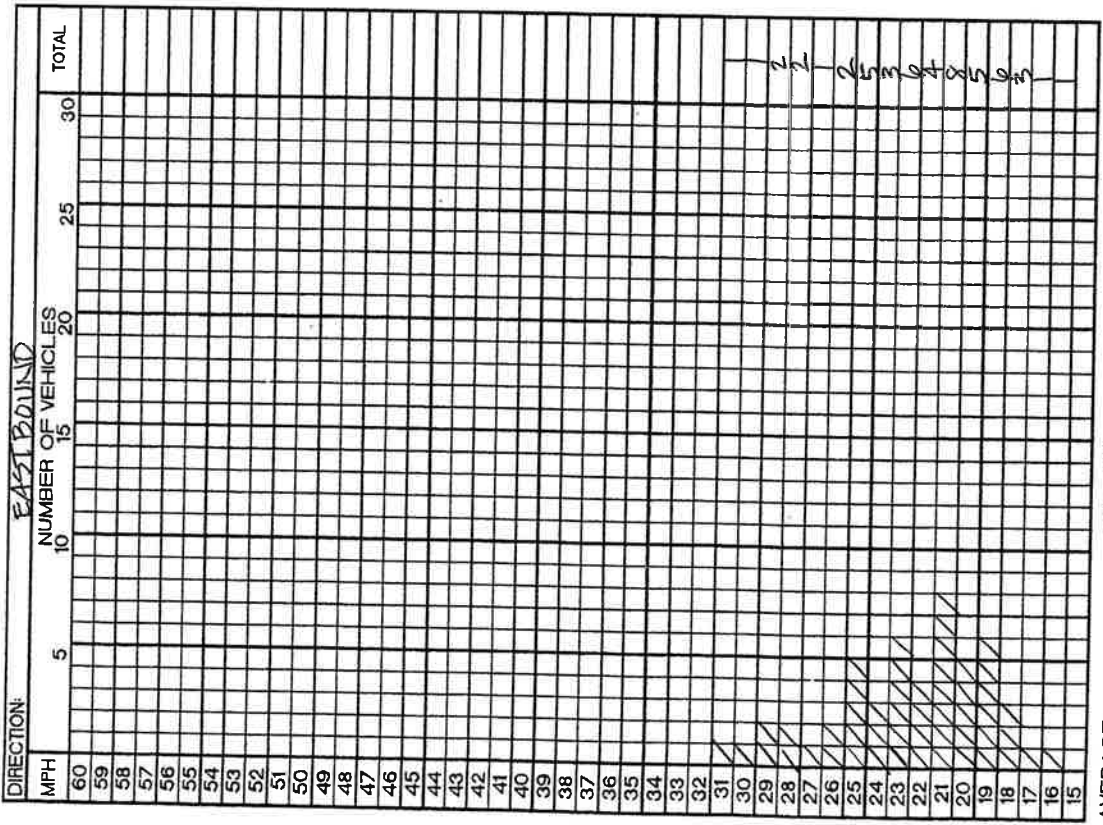
85th PERCENTILE SPEED: 26.3 MPH
 MEDIAN SPEED: 21.8 MPH
 15th PERCENTILE SPEED: 18.4 MPH

Radar Speed Survey Field Sheet

HARTZOG AND CRABILL INC.
Consulting Traffic Engineers
1929 Main Blvd., Suite 110, Irvine, CA 92614
(949) 251-9425

AGENCY: CITY OF LAGUNA HILLS
STREET: GORDON ROAD
LOCATION: MOULTON PKWY TO EAST END

WEATHER: SUNNY
ROAD CONDITION: DRY
OBSERVER: CATHY BUENDIA
DATE: 01-24-2020
START TIME: 3:00 PM
END TIME: 4:15 PM VAC



AVERAGE SPEED: _____ PACE SPEED: _____
CRITICAL SPEED: _____
CUMULATIVE (BOTH DIRECTIONS) _____

AVERAGE SPEED: _____ PACE SPEED: _____
CRITICAL SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



GREENFIELD DRIVE

HIDDEN TRAIL RD TO I-73 FWY

DATE: 1/7/2020

SURVEY BY: C. BUENDIA

TIME: 11:15 AM - 12:15 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	SOUTH OF HIDDEN TRAIL
DATE OF SURVEY	1/27/2020
85th PERCENTILE	31.7 MPH
10 MPH PACE	23 - 32 MPH
PERCENT IN PACE	78.6 %
POSTED SPEED LIMIT	30 MPH
	15 MPH Advisory (at bend)

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	2
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	2,100
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - 73 FWY
CROSSWALKS	NONE
PEDESTRIAN/BICYCLES	NO / NO
TRUCK TRAFFIC	NO
ON-STREET PARKING	NO (SB) / YES (NB)
OTHER	HORSE XING / HORSE TRAILS

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.17
VERTICAL CURVE	CONTINUOUS GRADUAL-MODERATE DOWNHILL GRADES (SB)
HORIZONTAL CURVE	SLIGHT "S" CURVE / BEND (at Hidden Trail)
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE (at bend)
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	NO / NO (SB) - YES / YES (NB)
STREET LIGHTING	YES
OTHER	SMALL MEDIAN ISLAND AT SCL / DBL YELLOW CENTERLINE

ADJACENT LAND USE	RESIDENTAIL (F)
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RECOMMENDED SPEED LIMIT	30 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
 The recommended 30 mph is within 1.7 mph of the 85th percentile speed and meets CVC standards.

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

GREENFIELD DRIVE

DATE: 1/27/2020

TIME: 11:15 AM - 12:15 PM

HIDDEN TRAIL RD TO I-73 FWY

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 100.0%
58						X 100.0%
57						X 100.0%
56						X 100.0%
55						X 100.0%
54						X 100.0%
53						X 100.0%
52						X 100.0%
51						X 100.0%
50						X 100.0%
49						X 100.0%
48						X 100.0%
47						X 100.0%
46						X 100.0%
45						X 100.0%
44						X 100.0%
43						X 100.0%
42						X 100.0%
41						X 100.0%
40						X 100.0%
39						X 100.0%
38						X 100.0%
37						X 100.0%
36						X 98.8%
35						X 96.4%
34						X 92.9%
33						X 89.3%
32						X 85.7% }PACE
31						X 83.3% }PACE ---85PCT
30						X 73.8% }PACE
29						X 63.1% }PACE
28						X 61.9% }PACE
27						X 52.4% }PACE
26						X 39.3% }PACE ---MEAN
25						X 31.0% }PACE
24						X 19.0% }PACE
23						X 13.1% }PACE ---15PCT
22						X 7.1%
21						X 6.0%
20	X					X 1.2%
19	X					X 0.0%
18	X					X 0.0%
17	X					X 0.0%
16	X					X 0.0%
15	X					X 0.0%

UPPER LIMIT 10 MPH PACE: 32 MPH
 LOWER LIMIT 10 MPH PACE: 23 MPH
 PERCENT OVER PACE: 14.3 %
 PERCENT IN PACE: 78.6 %
 PERCENT UNDER PACE: 7.1 %

85th PERCENTILE SPEED: 31.7 MPH
 MEDIAN SPEED: 26.8 MPH
 15th PERCENTILE SPEED: 23.3 MPH

Radar Speed Survey Field Sheet

HARTZOG AND CRABILL INC.
 Consulting Traffic Engineers
 1788 64th St., Suite 100, Costa Mesa, CA 92626
 (714) 731-9263

AGENCY: CITY OF LAGUNA HILLS
 STREET: GREENFIELD DRIVE
 LOCATION: HIDDEN TRAIL TO I-73 FINY

WEATHER: SMYNY DATE: 01-07-2020
 ROAD CONDITION: DRY START TIME: 11:15 AM
 OBSERVER: CATHY BUENDIA END TIME: 12:15 PM VIAL

DIRECTION: SOUTHBOUND

MPH	NUMBER OF VEHICLES			TOTAL
	5	10	15	
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				
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33				
32				
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28				
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26				
25				
24				
23				
22				
21				
20				
19				
18				
17				
16				
15				

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

DIRECTION: NORTH

MPH	NUMBER OF VEHICLES			TOTAL
	5	10	15	
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				
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27				
26				
25				
24				
23				
22				
21				
20				
19				
18				
17				
16				
15				

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



HON AVENUE

JULIE AVE TO ALICIA PKWY

DATE: 3/20/2020

SURVEY BY: C. BUENDIA

TIME: 12:30 PM - 1:30 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	SOUTH OF CAMBERWELL
DATE OF SURVEY	3/20/2020
85th PERCENTILE	29.9 MPH
10 MPH PACE	23 - 32 MPH
PERCENT IN PACE	91.0 %
POSTED SPEED LIMIT	25 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	1
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	2,900
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - ALICIA, STOP - CAMBERWELL
CROSSWALKS	AT ALICIA / CAMBERWELL
PEDESTRIAN/BICYCLES	YES / NO
TRUCK TRAFFIC	NO (delivery trucks s.of Camberwell)
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.30
VERTICAL CURVE	VERY SLIGHT UPHILL (NB)
HORIZONTAL CURVE	SLIGHT-GRADUAL "S" CURVE
LATERAL VISIBILITY	GOOD
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / YES
STREET LIGHTING	YES
OTHER	2 WAY LEFT TURN CENTERLANE & SMALL RAISED MEDIAN ISLAND (at Alicia)

ADJACENT LAND USE	COMMERCIAL / RESIDENTIAL (NF)
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RECOMMENDED SPEED LIMIT	25 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
 The recommended 25 mph is within 4.9 mph of the 85th percentile speed and meets CVC standards.

RADAR SPEED DISTRIBUTION SHEET

CITY OF LAGUNA HILLS



HON AVENUE

DATE: 3/20/2020

TIME: 12:30 PM - 1:30 PM

JULIE AVE TO ALICIA PKWY

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 100.0%
58						X 100.0%
57						X 100.0%
56						X 100.0%
55						X 100.0%
54						X 100.0%
53						X 100.0%
52						X 100.0%
51						X 100.0%
50						X 100.0%
49						X 100.0%
48						X 100.0%
47						X 100.0%
46						X 100.0%
45						X 100.0%
44						X 100.0%
43						X 100.0%
42						X 100.0%
41						X 100.0%
40						X 100.0%
39						X 100.0%
38						X 100.0%
37						X 100.0%
36						X 100.0%
35						X 100.0%
34						X 100.0%
33						X 98.9%
32						X 96.6% }PACE
31						X 94.4% }PACE
30						X 85.4% }PACE
29					X	X 78.7% }PACE ---85PCT
28				X		X 69.7% }PACE
27			X			X 53.9% }PACE
26			X			X 44.9% }PACE ---MEAN
25		X				X 32.6% }PACE
24		X				X 19.1% }PACE
23		X				X 12.4% }PACE ---15PCT
22	X					X 5.6%
21	X					X 3.4%
20	X					X 2.2%
19	X					X 1.1%
18	X					X 0.0%
17	X					X 0.0%
16	X					X 0.0%
15	X					X 0.0%

UPPER LIMIT 10 MPH PACE: 32 MPH
 LOWER LIMIT 10 MPH PACE: 23 MPH
 PERCENT OVER PACE: 5.6 %
 PERCENT IN PACE: 91.0 %
 PERCENT UNDER PACE: 5.6 %

85th PERCENTILE SPEED: 29.9 MPH
 MEDIAN SPEED: 26.6 MPH
 15th PERCENTILE SPEED: 23.4 MPH

Radar Speed Survey Field Sheet

HARTZOG AND CRABILL, INC.

AGENCY: CITY OF LAGUNA HILLS

STREET: HON AVENUE

LOCATION: JULIE AVE TO ALICIA PKWY

WEATHER: SUNNY

DATE: 03-20-2020

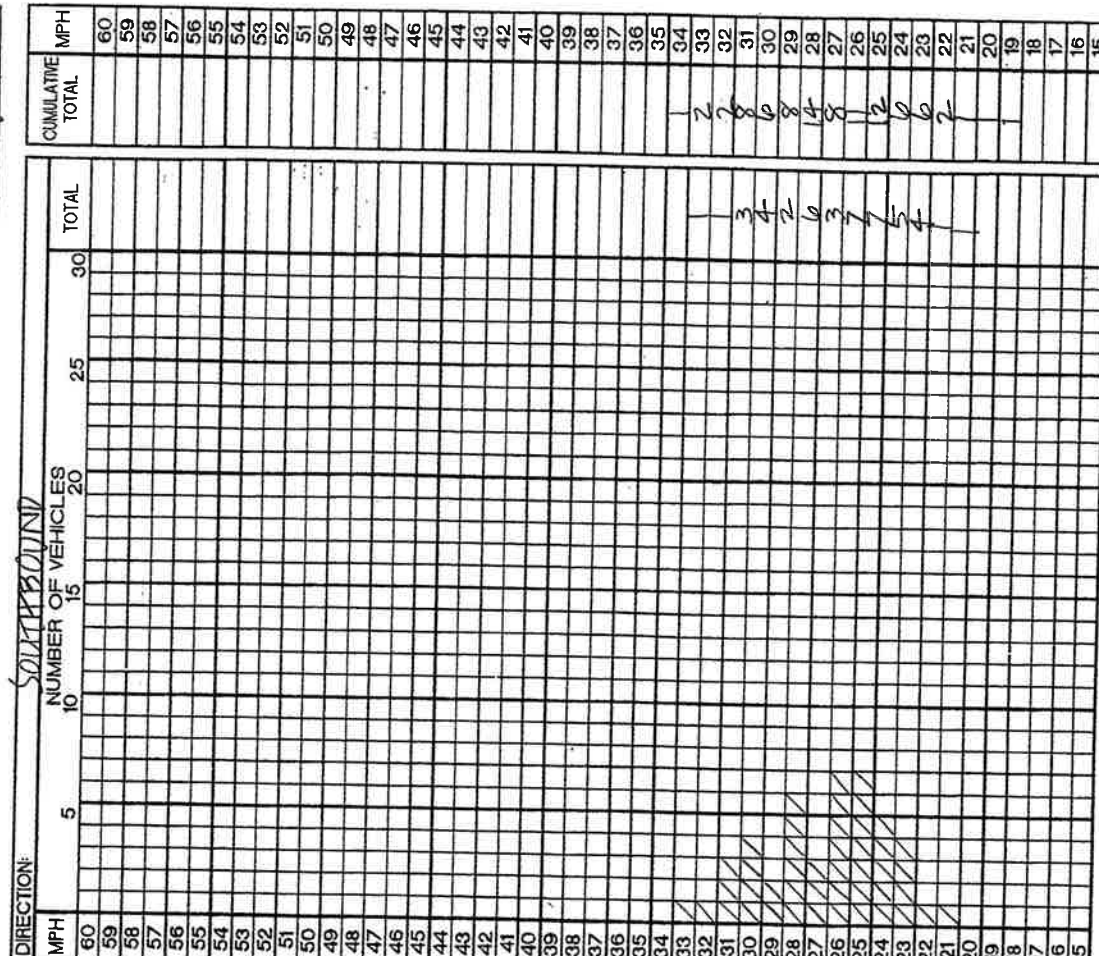
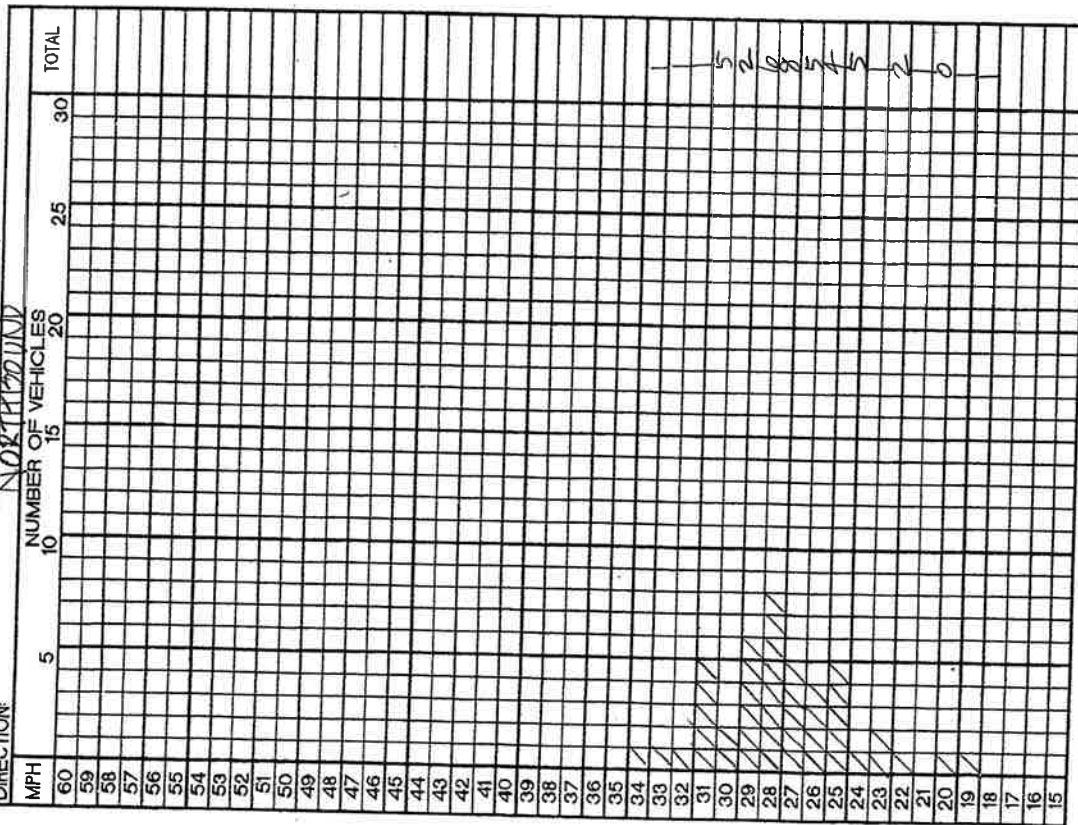
START TIME: 12:30 PM

END TIME: 1:30 PM

OBSERVER: CATHY BUENDIA

DIRECTION: ~~NORTHBOUND~~

DIRECTION: ~~SOUTHBOUND~~



AVERAGE SPEED: _____

CRITICAL SPEED: _____

PACE SPEED: _____

CUMULATIVE (BOTH DIRECTIONS): _____

AVERAGE SPEED: _____

CRITICAL SPEED: _____

PACE SPEED: _____

CUMULATIVE TOTAL: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



INDIAN HILL LANE

LAGUNA HILLS DR TO MOULTON PKWY

DATE: 3/20/2020

SURVEY BY: C. BUENDIA

TIME: 2:00 PM - 3:15 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	NORTH OF HOLLY HILL
DATE OF SURVEY	3/20/2020
85th PERCENTILE	34.0 MPH
10 MPH PACE	25 - 34 MPH
PERCENT IN PACE	77.8 %
POSTED SPEED LIMIT	30 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	0
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	1,200
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - LAGUNA HILLS, STOP - MOULTON
CROSSWALKS	AT LAGUNA HILLS / MOULTON
PEDESTRIAN/BICYCLES	FEW / NO
TRUCK TRAFFIC	NO
ON-STREET PARKING	PARTIAL
OTHER	NO PARKING ANYTIME (near Laguna Hills)

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.37
VERTICAL CURVE	MODERATE UP-DOWNHILL GRADES (SB)
HORIZONTAL CURVE	SWEEPING "C" CURVE
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / YES
STREET LIGHTING	YES
OTHER	DBL YELLOW CENTERLINE

ADJACENT LAND USE	MULTI-FAMILY RESIDENTIAL / PARK
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RECOMMENDED SPEED LIMIT	30 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:

The recommended 30 mph is within 4.0 mph of the 85th percentile speed and meets CVC standards.

Note: The sight distance south of Holly Hill is approximately 230 feet.

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

INDIAN HILL LANE

DATE: 3/20/2020

TIME: 2:00 PM - 3:15 PM

LAGUNA HILLS DR TO MOULTON PKWY

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	100.0%
53					X	100.0%
52					X	100.0%
51					X	100.0%
50					X	100.0%
49					X	100.0%
48					X	100.0%
47					X	100.0%
46					X	100.0%
45					X	100.0%
44					X	100.0%
43					X	100.0%
42					X	100.0%
41					X	100.0%
40					X	99.1%
39					X	96.3%
38					X	96.3%
37					X	94.4%
36					X	89.8%
35					X	88.0%
34					X	85.2% }PACE
33					X	81.5% }PACE ---85PCT
32					X	77.8% }PACE
31					X	69.4% }PACE
30					X	61.1% }PACE
29					X	44.4% }PACE ---MEAN
28					X	35.2% }PACE
27					X	26.9% }PACE
26					X	18.5% }PACE
25					X	13.0% }PACE ---15PCT
24					X	7.4%
23					X	4.6%
22					X	1.9%
21					X	0.9%
20					X	0.9%
19					X	0.9%
18					X	0.0%
17					X	0.0%
16					X	0.0%
15					X	0.0%

UPPER LIMIT 10 MPH PACE: 34 MPH
 LOWER LIMIT 10 MPH PACE: 25 MPH
 PERCENT OVER PACE: 14.8 %
 PERCENT IN PACE: 77.8 %
 PERCENT UNDER PACE: 7.4 %

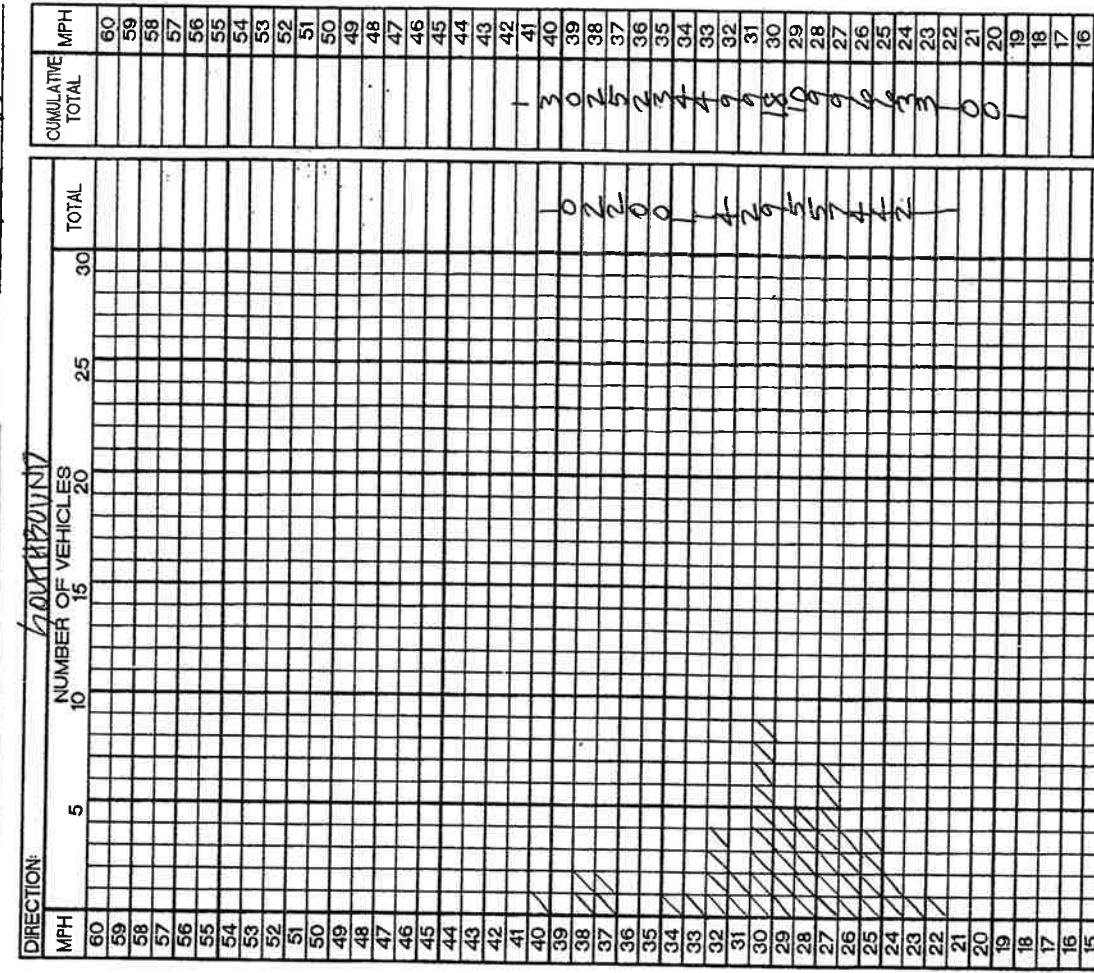
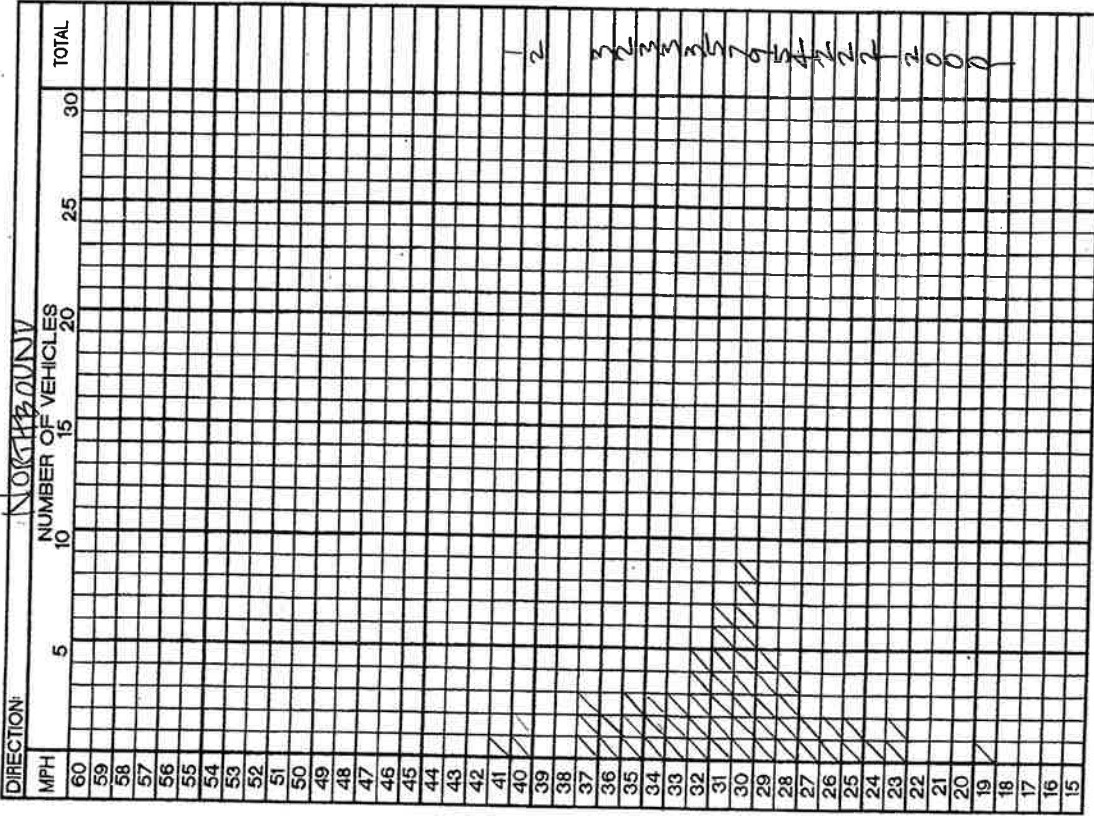
85th PERCENTILE SPEED: 34.0 MPH
 MEDIAN SPEED: 29.3 MPH
 15th PERCENTILE SPEED: 25.4 MPH

Radar Speed Survey Field Sheet

HARTZOG AND CRABILL INC.

AGENCY: CITY OF LASIUMA HILLS
 STREET: INDIAN HILL LANE
 LOCATION: LASIUMA HILLS DR. MOUNTAIN PKWY

WEATHER: WINDY DATE: 03-20-2020
 ROAD CONDITION: DRY START TIME: 2:00 PM
 OBSERVER: CATHY BUENDIA END TIME: 3:15 PM 1/14



AVERAGE SPEED: _____ PACE SPEED: _____
 CRITICAL SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

AVERAGE SPEED: _____ PACE SPEED: _____
 CRITICAL SPEED: _____
 CUMULATIVE TOTAL _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



LA PAZ ROAD

WEST CITY LIMITS (I-73) TO MOULTON PKWY

DATE: 2/12/2020

SURVEY BY: C. BUENDIA

TIME: 1:00 PM - 1:30 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	WEST OF MOULTON
DATE OF SURVEY	2/12/2020
85th PERCENTILE	47.2 MPH
10 MPH PACE	40 - 49 MPH
PERCENT IN PACE	74.3 %
POSTED SPEED LIMIT	45 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	3
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	17,700
LANE CONFIGURATION	3 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - MOULTON / 73 FWY / MERIENDA
CROSSWALKS	AT MOULTON / 73 FWY
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	YES
ON-STREET PARKING	NO PARKING ANYTIME
OTHER	BIKE ROUTE / BUS STOPS

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.65
VERTICAL CURVE	SLIGHT UP-DOWNHILL GRADES
HORIZONTAL CURVE	SLIGHT "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / NO
STREET LIGHTING	YES
OTHER	RAISED MEDIAN ISLAND

ADJACENT LAND USE	RESIDENTIAL (NF) / COMMERCIAL / 73 TOLL ROAD
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RECOMMENDED SPEED LIMIT	45 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
 The recommended 45 mph is within 2.2 mph of the 85th percentile speed and meets CVC standards.

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

LA PAZ ROAD

DATE: 2/12/2020

TIME: 1:00 PM - 1:30 PM

WEST CITY LIMITS (I-73) TO MOULTON PK

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	99.4%
54					X	99.4%
53					X	98.8%
52					X	98.8%
51					X	98.2%
50					X	95.8%
49					X	95.2% }PACE
48					X	90.4% }PACE
47					X	83.2% }PACE ---85PCT
46				X	X	75.4% }PACE
45				X		67.7% }PACE
44			X	X		56.3% }PACE
43			X			49.1% }PACE ---MEAN
42		X	X			38.3% }PACE
41		X				32.9% }PACE
40		X				25.1% }PACE
39		X				21.0%
38		X				16.2%
37	X	X				12.6% ---15PCT
36	X					7.2%
35	X					3.6%
34	X					1.8%
33	X					0.6%
32	X					0.0%
31	X					0.0%
30	X					0.0%
29	X					0.0%
28	X					0.0%
27	X					0.0%
26	X					0.0%
25	X					0.0%
24	X					0.0%
23	X					0.0%
22	X					0.0%
21	X					0.0%
20	X					0.0%
19	X					0.0%
18	X					0.0%
17	X					0.0%
16	X					0.0%
15	X					0.0%

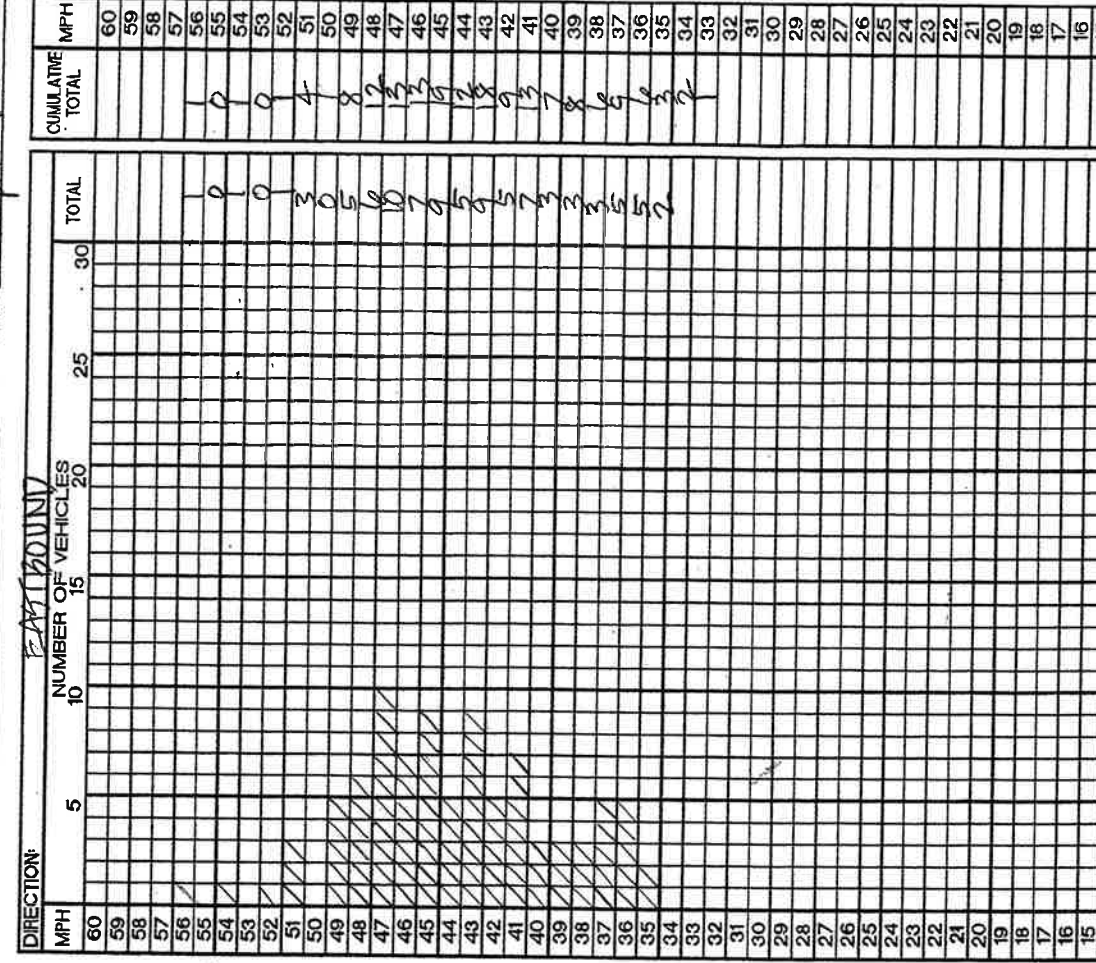
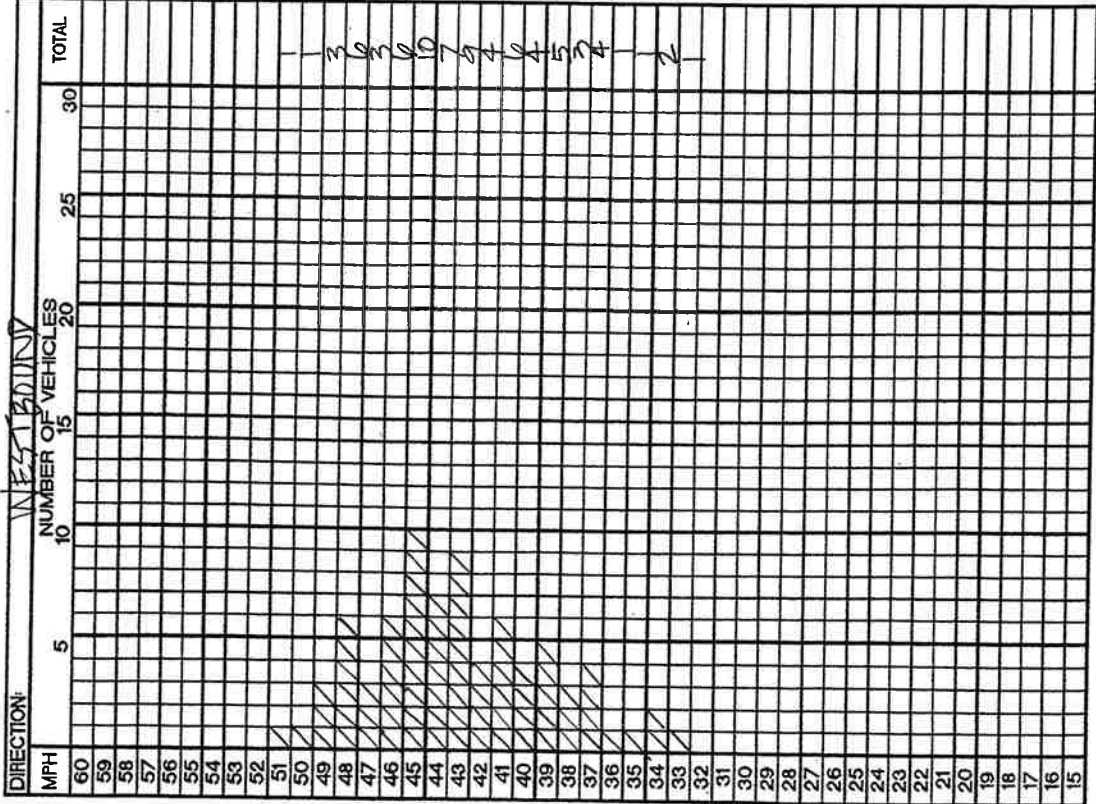
UPPER LIMIT 10 MPH PACE: 49 MPH
 LOWER LIMIT 10 MPH PACE: 40 MPH
 PERCENT OVER PACE: 9.6 %
 PERCENT IN PACE: 74.3 %
 PERCENT UNDER PACE: 21.0 %

85th PERCENTILE SPEED: 47.2 MPH
 MEDIAN SPEED: 43.1 MPH
 15th PERCENTILE SPEED: 37.7 MPH

Radar Speed Survey Field Sheet

HARTZOG AND CRABILL, INC.
 Consulting Traffic Engineers
 1957 Ave. Blvd., Suite 102, Irvine, CA 92618
 (949) 751-3055

AGENCY: CITY OF LAGUNA HILLS WEATHER: SUNNY DATE: 02-12-2020
 STREET: LA Paz ROAD ROAD CONDITION: DRY START TIME: 1:00 PM
 LOCATION: W CL (I-73) TO MOUNTAIN PINNY OBSERVER: CATHY BUENDIA END TIME: 1:30 PM ✓



AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



LA PAZ ROAD

MOULTON PKWY TO ALISO HILLS DR

DATE: 2/12/2020

SURVEY BY: C. BUENDIA

TIME: 1:30 PM - 2:00 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	EAST OF MOULTON
DATE OF SURVEY	2/12/2020
85th PERCENTILE	52.4 MPH
10 MPH PACE	45 - 54 MPH
PERCENT IN PACE	74.0 %
POSTED SPEED LIMIT	50 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	6
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	16,300
LANE CONFIGURATION	2 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - MOULTON / ALISO HILLS
CROSSWALKS	AT MOULTN / ALISO HILLS
PEDESTRIAN/BICYCLES	FEW / YES
TRUCK TRAFFIC	YES
ON-STREET PARKING	NO PARKING ANYTIME ENTIRE BLOCK
OTHER	BIKE ROUTE SIGNAL AHEAD FLASHING BEACON

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	1.19
VERTICAL CURVE	GRADUAL -MODERATE UP-DOWNHILL GRADES
HORIZONTAL CURVE	GRADUAL "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / FEW
STREET LIGHTING	YES
OTHER	PAINTED MEDIAN ISLAND NARROW SHOULDERS

ADJACENT LAND USE	RESIDENTIAL (NF) / COMMERCIAL
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RECOMMENDED SPEED LIMIT	50 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended 50 mph is within 2.4 mph of the 85th percentile speed and meets CVC standards.

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

LA PAZ ROAD

DATE: 2/12/2020

TIME: 1:30 PM - 2:00 PM

MOULTON PKWY TO ALISO HILLS DR

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	99.3%
58					X	98.7%
57					X	98.0%
56					X	96.0%
55					X	94.0%
54					X	92.7% }PACE
53					X	88.0% }PACE
52					X	82.7% }PACE ---85PCT
51					X	75.3% }PACE
50					X	66.7% }PACE
49					X	57.3% }PACE
48					X	48.7% }PACE ---MEAN
47					X	39.3% }PACE
46					X	31.3% }PACE
45					X	24.0% }PACE
44					X	18.7%
43					X	16.0%
42					X	12.0% ---15PCT
41					X	8.7%
40					X	5.3%
39					X	2.7%
38					X	1.3%
37					X	1.3%
36					X	0.7%
35					X	0.0%
34					X	0.0%
33					X	0.0%
32					X	0.0%
31					X	0.0%
30					X	0.0%
29					X	0.0%
28					X	0.0%
27					X	0.0%
26					X	0.0%
25					X	0.0%
24					X	0.0%
23					X	0.0%
22					X	0.0%
21					X	0.0%
20					X	0.0%
19					X	0.0%
18					X	0.0%
17					X	0.0%
16					X	0.0%
15					X	0.0%

UPPER LIMIT 10 MPH PACE: 54 MPH
 LOWER LIMIT 10 MPH PACE: 45 MPH
 PERCENT OVER PACE: 7.3 %
 PERCENT IN PACE: 74.0 %
 PERCENT UNDER PACE: 18.7 %

85th PERCENTILE SPEED: 52.4 MPH
 MEDIAN SPEED: 48.2 MPH
 15th PERCENTILE SPEED: 42.8 MPH

Radar Speed Survey Field Sheet

HARTZOG AND CRABELL INC.
Consulting Engineers, Surveyors
11281 John Rd., Suite 100, Irvine, CA 92618
(714) 261-9332

AGENCY: CITY OF LAGUNA HILLS

STREET: LA PAZ ROAD

LOCATION: MOUNTAIN PERRY TO ALISO HILLS DR

WEATHER: SUNNY

ROAD CONDITION: DRY

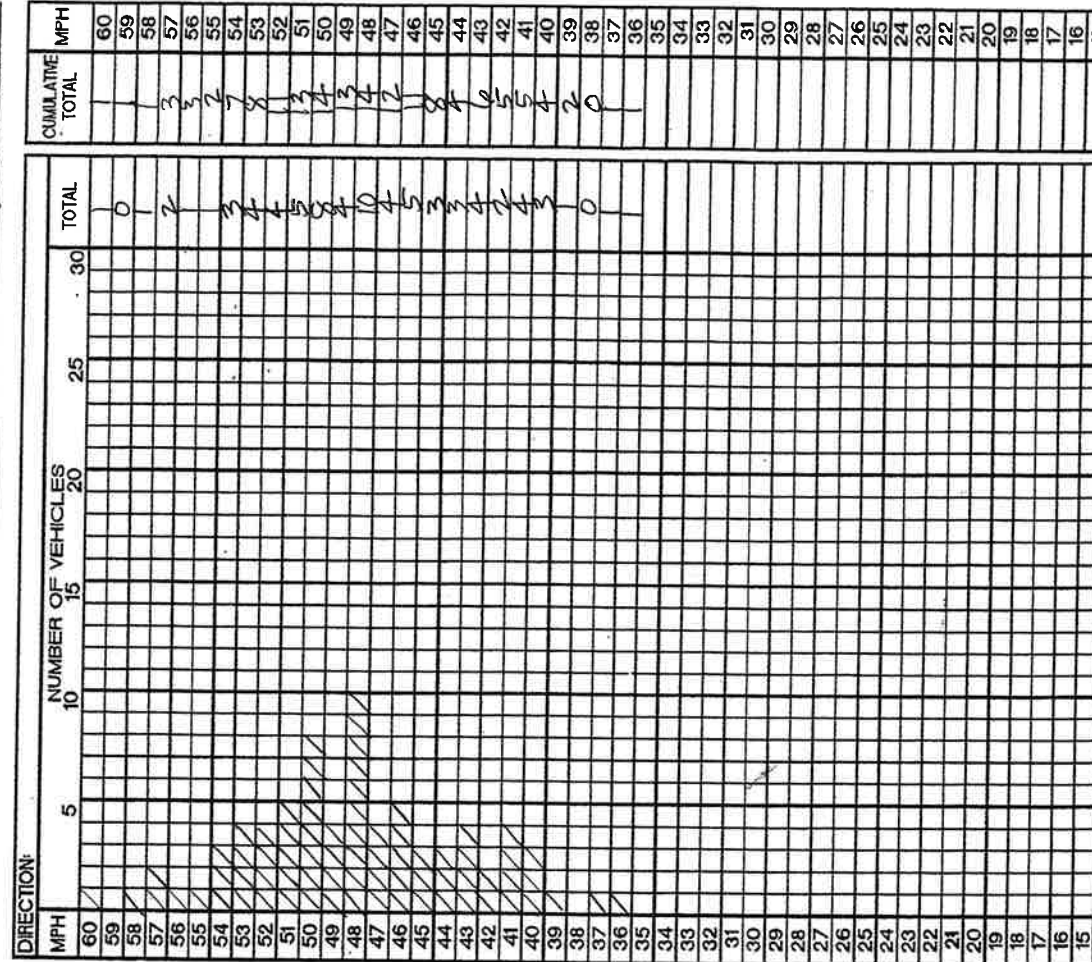
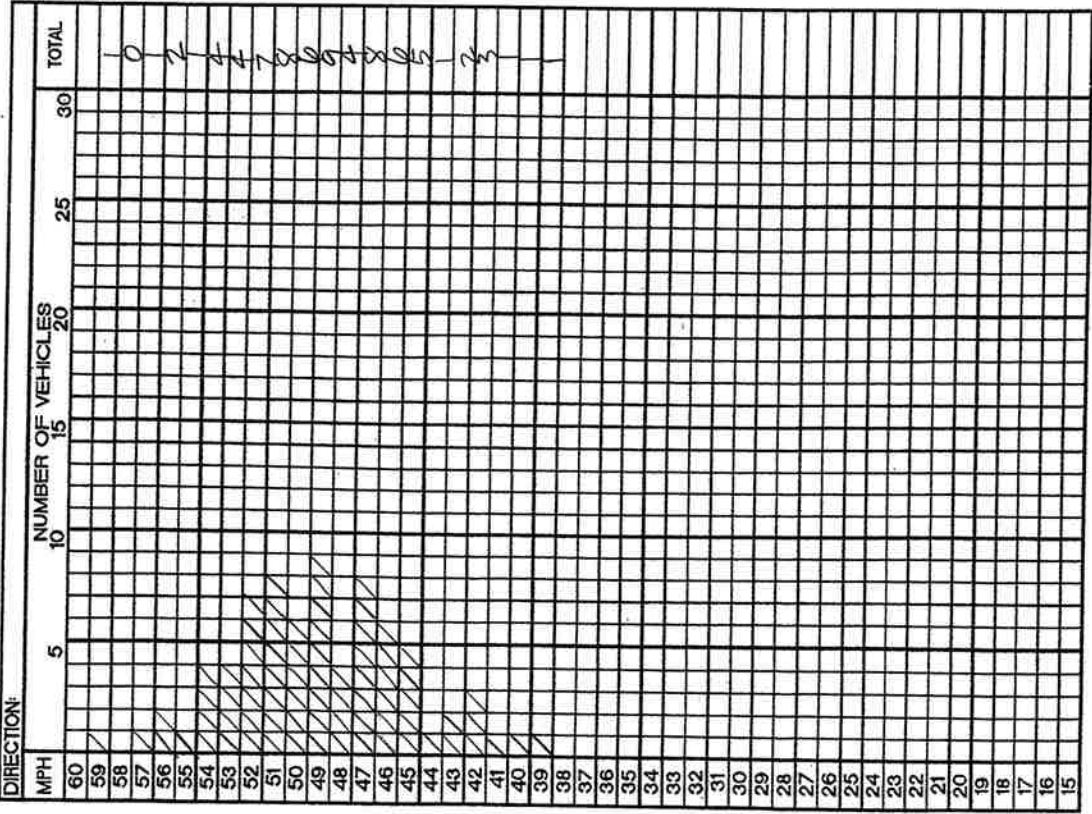
OBSERVER: CATHY BUENDIA

DATE: 02-12-2020

START TIME: 1:30 PM

END TIME: 2:00 PM

VCAL



AVERAGE SPEED: _____ PACE SPEED: _____
 CRITICAL SPEED: _____ CUMULATIVE (BOTH DIRECTIONS): _____

AVERAGE SPEED: _____ PACE SPEED: _____
 CRITICAL SPEED: _____ CUMULATIVE TOTAL: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



LA PAZ ROAD

ALISO HILLS DR TO PASEO DE VALENCIA

DATE: 2/12/2020

SURVEY BY: C. BUENDIA

TIME: 2:00 PM - 2:30 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	EAST OF APPALOOSA
DATE OF SURVEY	2/12/2020
85th PERCENTILE	51.3 MPH
10 MPH PACE	43 - 52 MPH
PERCENT IN PACE	72.3 %
POSTED SPEED LIMIT	45 MPH / 25 MPH*

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	1
TOTAL ACCIDENTS	1
ANNUAL ACCIDENT RATE	0.50 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.21 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	17,800
LANE CONFIGURATION	2 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - ALISO HILLS / PASEO DE VALENCIA
CROSSWALKS	AT ALISO HILLS / PASEO DE VALENCIA
PEDESTRIAN/BICYCLES	FEW / YES
TRUCK TRAFFIC	YES
ON-STREET PARKING	NO PARKING ANYTIME ENTIRE BLOCK
OTHER	BIKE ROUTE ADVANCE WARNING "SIGNAL AHEAD" FLASHING BEACON (EB)

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.37
VERTICAL CURVE	MODERATE DOWNHILL TO PASEO DE VALENCE (EB)
HORIZONTAL CURVE	MODERATE "C" CURVE
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / NO
STREET LIGHTING	YES
OTHER	PAINTED MEDIAN ISLAND NARROW SHOULDERS

ADJACENT LAND USE	RESIDENTIAL (NF)
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RECOMMENDED SPEED LIMIT	45 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:

This section of La Paz Road is a four lane arterial roadway. Field observations include a speed limit of 45 mph, areas of gradual to moderate horizontal and vertical curves, "No Parking Entire Block", narrow shoulders, and an advance warning "Signal Ahead" flashing beacon (eastbound). Due to a vertical curve, the sight distance exiting Monte Vista is approximately 410 feet and the sight distance for a potential speed increase to 50 mph is 430 feet. Therefore, the limited sight distance justifies the recommendation for maintaining the 45 mph speed limit.

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

LA PAZ ROAD

DATE: 2/12/2020

TIME: 2:00 PM - 2:30 PM

ALISO HILLS DR TO PASEO DE VALENCIA

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	97.3%
55					X	95.7%
54					X	93.1%
53					X	90.4%
52					X	89.4% }PACE
51				X		83.5% }PACE ---85PCT
50				X		79.8% }PACE
49				X		71.8% }PACE
48			X	X		63.3% }PACE
47			X			55.3% }PACE
46			X			48.4% }PACE ---MEAN
45		X				39.4% }PACE
44		X				28.2% }PACE
43		X				22.3% }PACE
42		X				17.0%
41	X					11.7% ---15PCT
40	X					8.5%
39	X					5.9%
38	X					4.8%
37	X					2.7%
36	X					1.6%
35	X					1.1%
34	X					0.0%
33	X					0.0%
32	X					0.0%
31	X					0.0%
30	X					0.0%
29	X					0.0%
28	X					0.0%
27	X					0.0%
26	X					0.0%
25	X					0.0%
24	X					0.0%
23	X					0.0%
22	X					0.0%
21	X					0.0%
20	X					0.0%
19	X					0.0%
18	X					0.0%
17	X					0.0%
16	X					0.0%
15	X					0.0%

UPPER LIMIT 10 MPH PACE: 52 MPH
 LOWER LIMIT 10 MPH PACE: 43 MPH
 PERCENT OVER PACE: 10.6 %
 PERCENT IN PACE: 72.3 %
 PERCENT UNDER PACE: 17.0 %

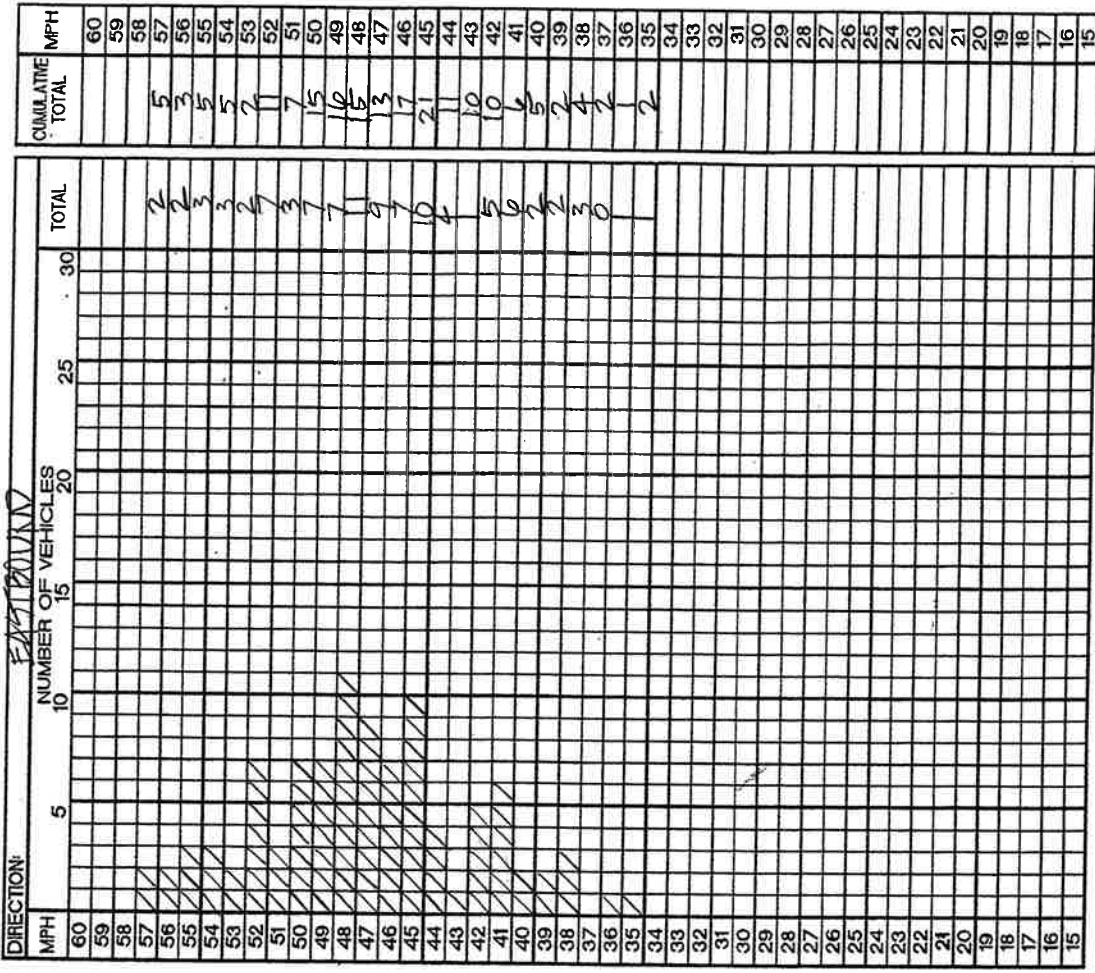
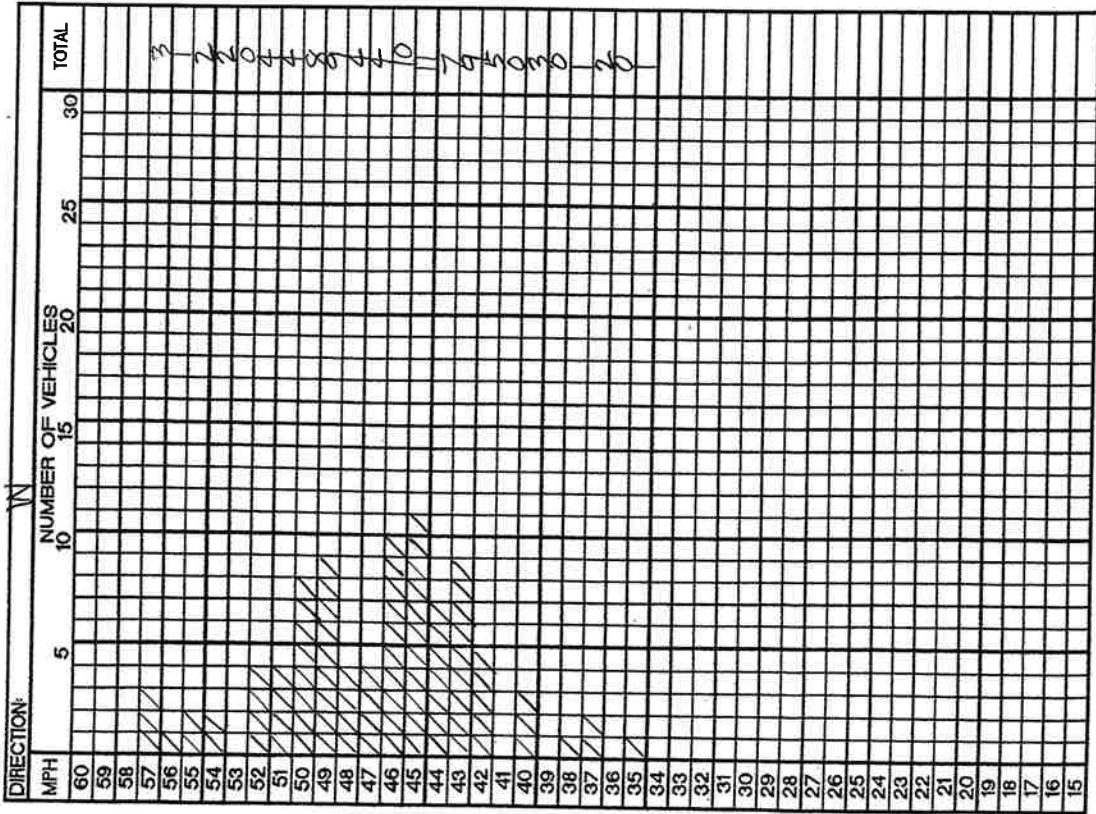
85th PERCENTILE SPEED: 51.3 MPH
 MEDIAN SPEED: 46.2 MPH
 15th PERCENTILE SPEED: 41.6 MPH

Radar Speed Survey Field Sheet

HARTZOG AND CRABILL INC.
Countywide Traffic Engineers
11591 Loma Blvd., Suite 112, Tustin, CA 92680
(714) 731-5455

AGENCY: CITY OF LAUREL HILLS
STREET: LA PAZ ROAD
LOCATION: ALISO HILLS DE TO PASO DE VALENIA

WEATHER: SUNNY
ROAD CONDITION: DRY
OBSERVER: CATHY BUENDIA
DATE: 02-12-2020
START TIME: 2:00 PM
END TIME: 2:30 PM



ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



LA PAZ ROAD

PASEO DE VALENCIA TO RICKENBACKER RD

DATE: 2/13/2020

SURVEY BY: C. BUENDIA

TIME: 11:00 AM - 11:30 AM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	EAST OF PASEO DE VALENCIA
DATE OF SURVEY	2/13/2020
85th PERCENTILE	44.8 MPH
10 MPH PACE	35 - 44 MPH
PERCENT IN PACE	69.0 %
POSTED SPEED LIMIT	40 MPH / 25 MPH*

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	3
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	19,200
LANE CONFIGURATION	2 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - PASEO DE VALENCIA
CROSSWALKS	AT PASEO DE VALENCIA (sch)
PEDESTRIAN/BICYCLES	YES / FEW
TRUCK TRAFFIC	YES
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	BIKE LANE / BUS STOPS

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.31
VERTICAL CURVE	GRADUAL-MODERATE UPHILL (WB)
HORIZONTAL CURVE	MODERATE "S" CURVE
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / NO (WB) - YES / FEW (EB)
STREET LIGHTING	YES
OTHER	RAISED MEDIAN ISLAND NO SHOULDERS

ADJACENT LAND USE	RESIDENTIAL (NF) / COMMERCIAL (at Rickenbacher) / ELEMENTARY SCH
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RECOMMENDED SPEED LIMIT	40 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:

The recommended 40 mph is within 4.8 mph of the 85th percentile speed and meets CVC standards.

*25 MPH While Children Present, School zone

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

LA PAZ ROAD

DATE: 2/13/2020

TIME: 11:00 AM - 11:30 AM

PASEO DE VALENCIA TO RICKENBACKER

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 100.0%
58						X 100.0%
57						X 100.0%
56						X 100.0%
55						X 100.0%
54						X 100.0%
53						X 100.0%
52						X 100.0%
51						X 99.5%
50						X 98.4%
49						X 95.2%
48						X 93.0%
47						X 92.5%
46						X 89.3%
45						X 86.1%
44						X 81.3% }PACE ---85PCT
43						X 75.4% }PACE
42						X 71.1% }PACE
41						X 62.0% }PACE
40						X 53.5% }PACE
39						X 43.9% }PACE ---MEAN
38						X 39.0% }PACE
37						X 31.0% }PACE
36						X 22.5% }PACE
35						X 18.7% }PACE
34						X 12.3% ---15PCT
33						X 9.1%
32						X 6.4%
31						X 2.1%
30	X					X 1.1%
29	X					X 1.1%
28	X					X 0.5%
27	X					X 0.0%
26	X					X 0.0%
25	X					X 0.0%
24	X					X 0.0%
23	X					X 0.0%
22	X					X 0.0%
21	X					X 0.0%
20	X					X 0.0%
19	X					X 0.0%
18	X					X 0.0%
17	X					X 0.0%
16	X					X 0.0%
15	X					X 0.0%

UPPER LIMIT 10 MPH PACE: 44 MPH
 LOWER LIMIT 10 MPH PACE: 35 MPH
 PERCENT OVER PACE: 18.7 %
 PERCENT IN PACE: 69.0 %
 PERCENT UNDER PACE: 12.3 %

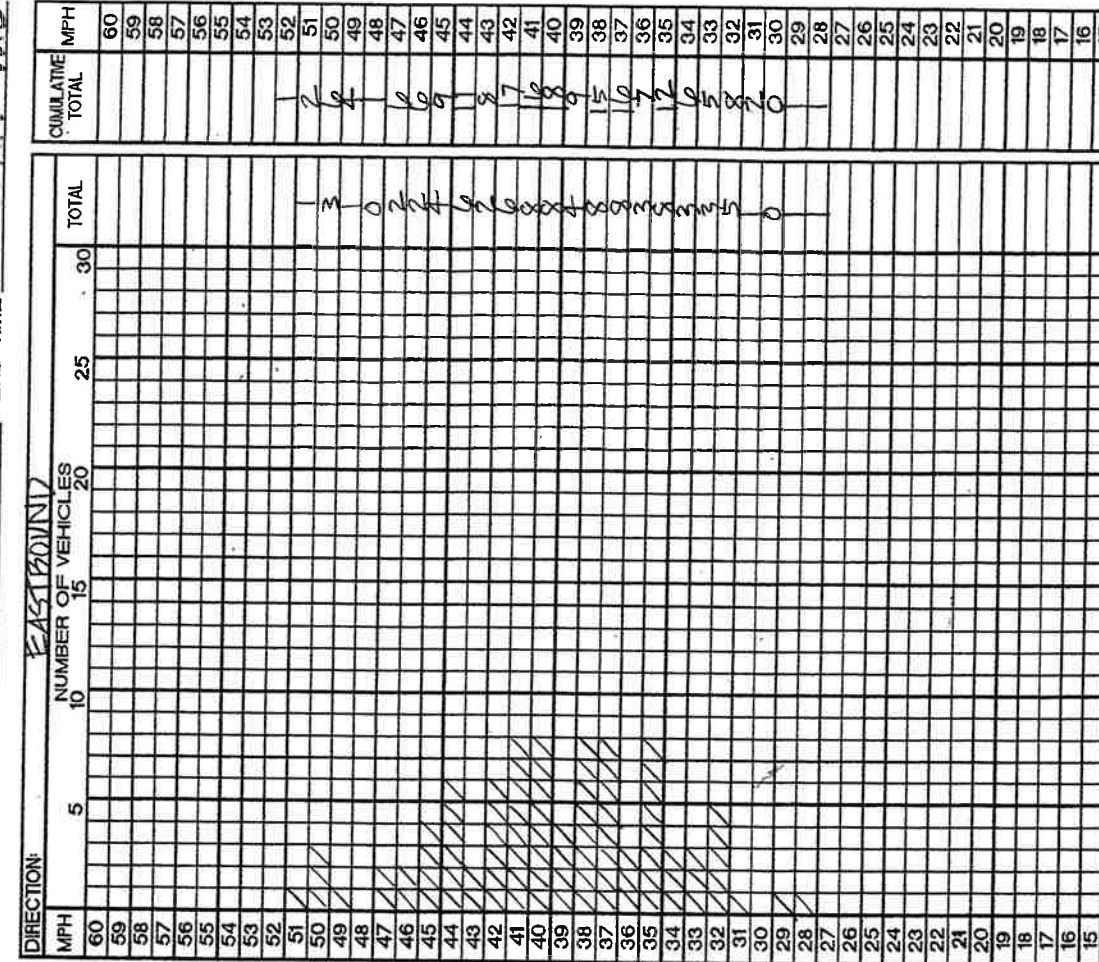
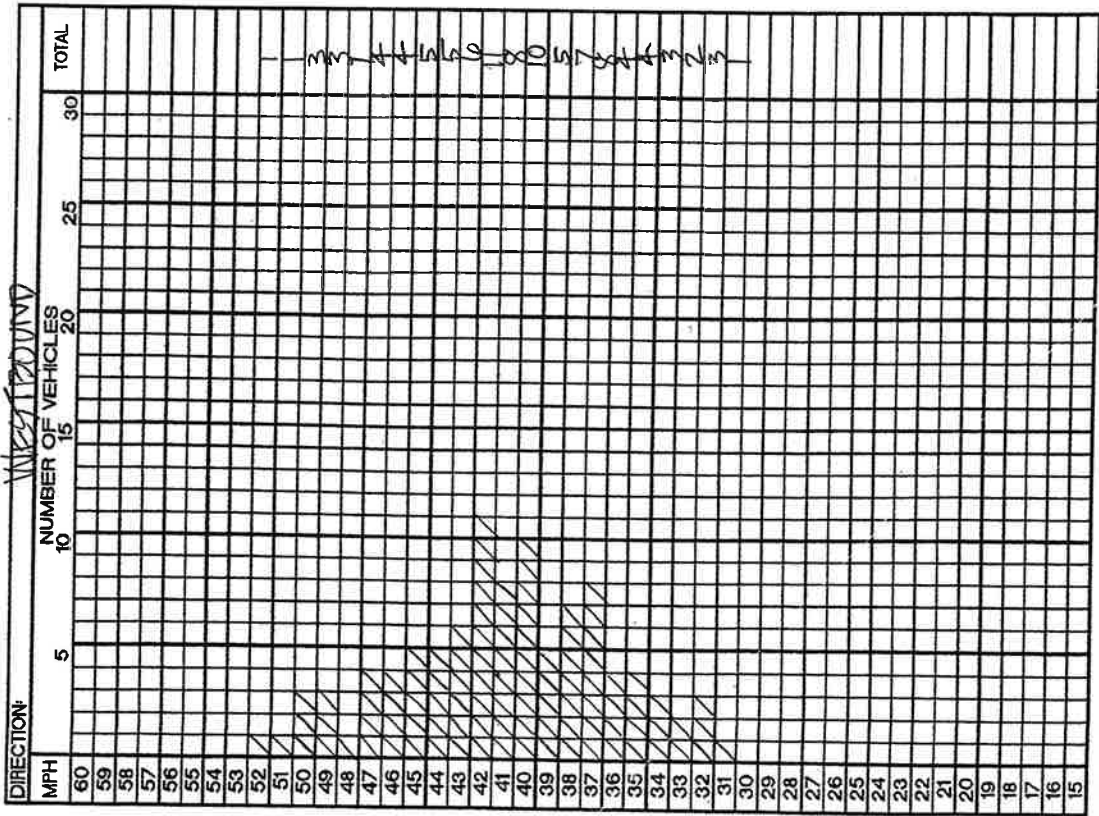
85th PERCENTILE SPEED: 44.8 MPH
 MEDIAN SPEED: 39.6 MPH
 15th PERCENTILE SPEED: 34.4 MPH

Radar Speed Survey Field Sheet

HARTZOG AND CRABILL INC.
COUNTY MAPS ENGINEERS
11552 Lehn Blvd., Suite 112, Escondido, CA 92029
(619) 751-9155

AGENCY: CITY OF LAGUNA HILLS
STREET: LA PAZ ROAD
LOCATION: PASEO DE VALENCIA TO RICKENBACKER RD

WEATHER: SUNNY DATE: 02-13-2020
ROAD CONDITION: DRY START TIME: 11:00 AM
OBSERVER: CATHY BUENDIA END TIME: 11:30 AM VLM



AVERAGE SPEED: _____ PACE SPEED: _____
CRITICAL SPEED: _____
CUMULATIVE (BOTH DIRECTIONS) _____

AVERAGE SPEED: _____ PACE SPEED: _____
CRITICAL SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



LA PAZ ROAD

RICKENBACKER RD TO I-5 FREEWAY

DATE: 2/13/2020

SURVEY BY: C. BUENDIA

TIME: 10:30 AM - 11:00 AM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	EAST OF RICKENBACHER
DATE OF SURVEY	2/13/2020
85th PERCENTILE	39.7 MPH
10 MPH PACE	31 - 40 MPH
PERCENT IN PACE	71.2 %
POSTED SPEED LIMIT	35 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	11
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	28,000
LANE CONFIGURATION	2 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - CABOT / McINTIRE
CROSSWALKS	AT CABOT / McINTIRE
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	YES
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	BUS STOPS BIKE LANE

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.35
VERTICAL CURVE	STEEP DOWNHILL (EB)
HORIZONTAL CURVE	SLIGHT "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / YES
STREET LIGHTING	YES
OTHER	RAISED MEDIAN ISLAND / NO SHOULDERS SHORT DISTANCE BTWN SIGNALS - SURVEYED ON GREENS ONLY

ADJACENT LAND USE	COMMERCIAL / FWY RAMPS
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RECOMMENDED SPEED LIMIT	35 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended 35 mph is within 4.7 mph of the 85th percentile speed and meets CVC standards.

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

LA PAZ ROAD

DATE: 2/13/2020

TIME: 10:30 AM - 11:00 AM

RICKENBACKER RD TO I-5 FREEWAY

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	100.0%
53					X	100.0%
52					X	100.0%
51					X	100.0%
50					X	100.0%
49					X	100.0%
48					X	100.0%
47					X	99.2%
46					X	99.2%
45					X	99.2%
44					X	97.6%
43					X	96.0%
42					X	94.4%
41					X	91.2%
40					X	88.0% }PACE
39					X	78.4% }PACE ---85PCT
38					X	73.6% }PACE
37					X	65.6% }PACE
36					X	61.6% }PACE
35					X	57.6% }PACE
34					X	44.8% }PACE ---MEAN
33					X	36.0% }PACE
32					X	30.4% }PACE
31					X	24.0% }PACE
30					X	16.8%
29					X	10.4% ---15PCT
28					X	5.6%
27					X	3.2%
26					X	1.6%
25					X	1.6%
24					X	0.8%
23					X	0.0%
22					X	0.0%
21					X	0.0%
20					X	0.0%
19					X	0.0%
18					X	0.0%
17					X	0.0%
16					X	0.0%
15					X	0.0%

UPPER LIMIT 10 MPH PACE: 40 MPH
 LOWER LIMIT 10 MPH PACE: 31 MPH
 PERCENT OVER PACE: 12.0 %
 PERCENT IN PACE: 71.2 %
 PERCENT UNDER PACE: 16.8 %

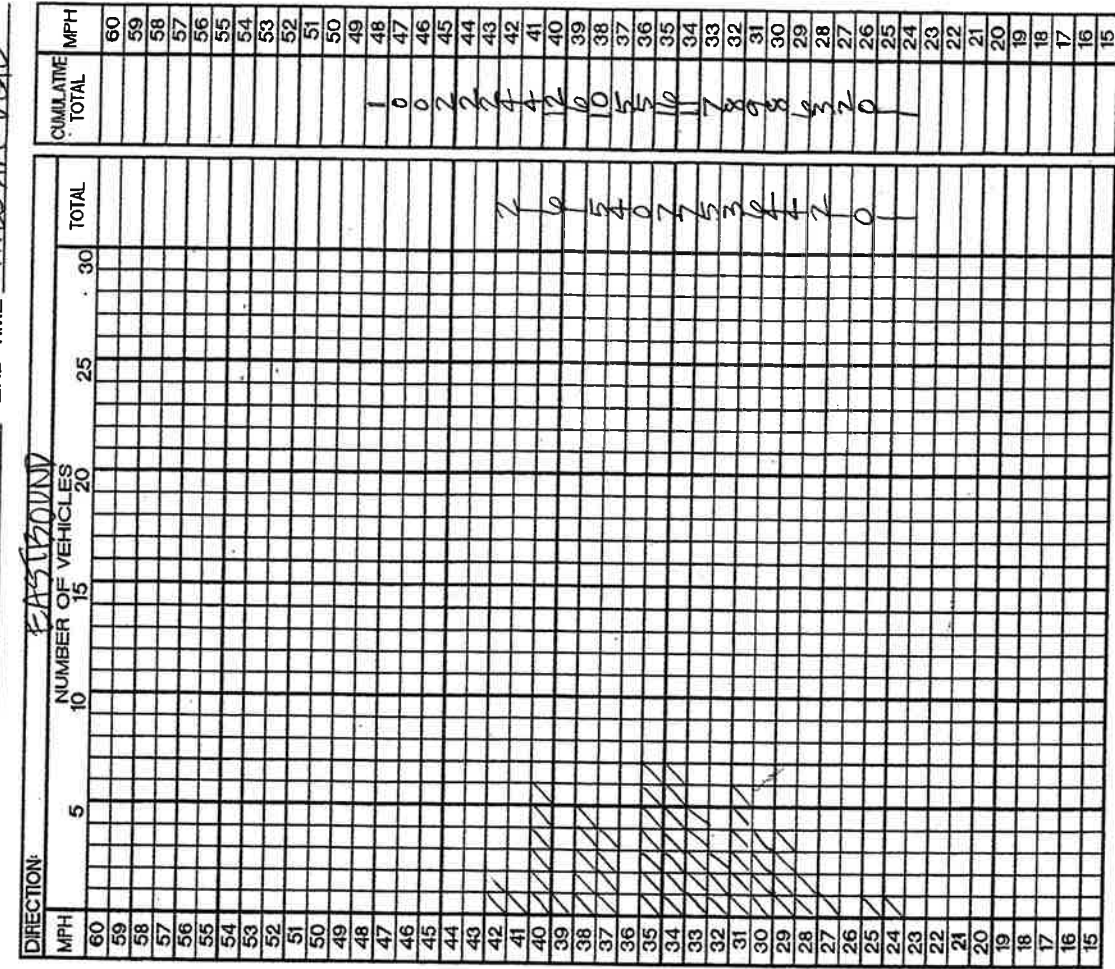
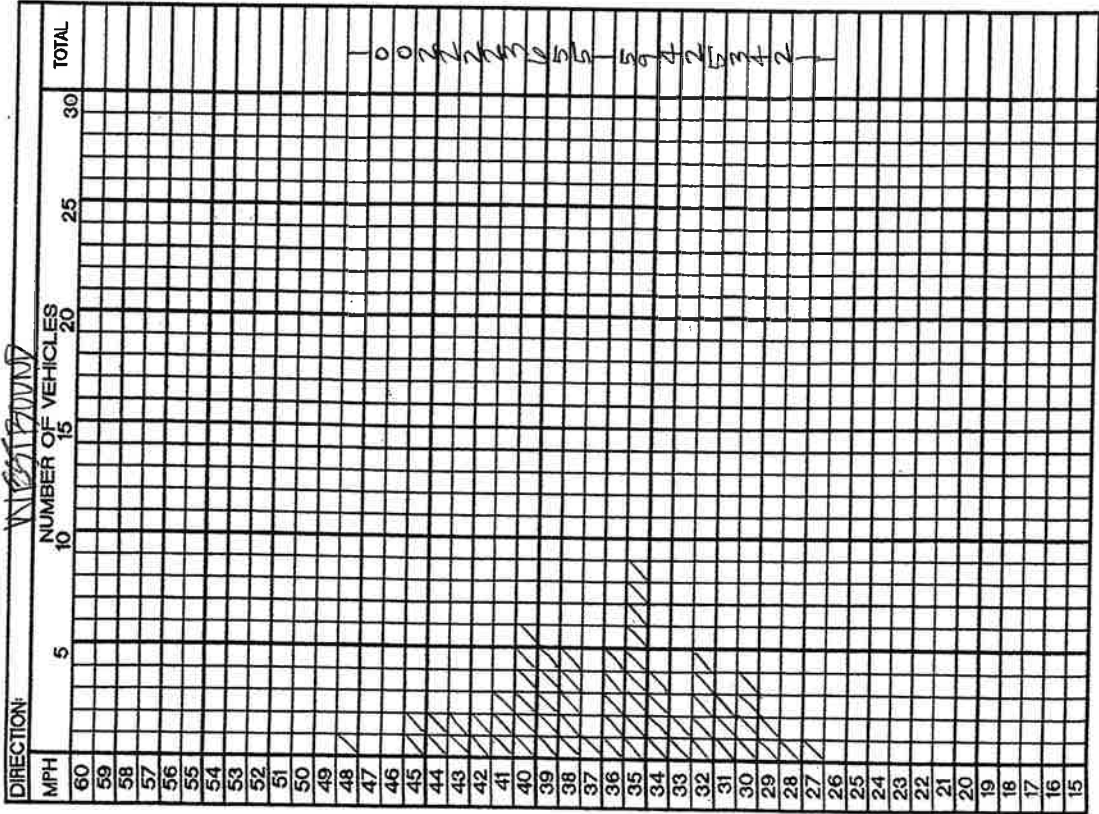
85th PERCENTILE SPEED: 39.7 MPH
 MEDIAN SPEED: 34.4 MPH
 15th PERCENTILE SPEED: 29.7 MPH

Radar Speed Survey Field Sheet

HARTZOG AND CRABILL INC.
 CONSULTING ENGINEERS
 11921 Ivan Blvd., Suite 112, Irvine, CA 92618
 (949) 731-9655

AGENCY: CITY OF LAGUNA HILLS
 STREET: LA PAR ROAD
 LOCATION: RICKENBACKER RD TO I-5 Fwy

WEATHER: SUNNY DATE: 02-13-2020
 ROAD CONDITION: DRY START TIME: 10:30 AM
 OBSERVER: CATHY BUENDIA END TIME: 11:00 AM VOL



AVERAGE SPEED: _____ PACE SPEED: _____
 CRITICAL SPEED: _____ CRITICAL SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



LAGUNA HILLS DRIVE

MOULTON PKWY TO PASEO DE VALENCIA

DATE: 2/13/2020

SURVEY BY: C. BUENDIA

TIME: 12:15 PM - 12:50 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	WEST OF INDIAN HILL
DATE OF SURVEY	2/13/2020
85th PERCENTILE	48.6 MPH
10 MPH PACE	40 - 49 MPH
PERCENT IN PACE	71.7 %
POSTED SPEED LIMIT	45 MPH / 25 MPH*

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	3
TOTAL ACCIDENTS	15
ANNUAL ACCIDENT RATE	1.50 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.37 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	22,400
LANE CONFIGURATION	2 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - PASEO DE VALENCIA / INDIAN HILL / MOULTON
CROSSWALKS	AT PASEO DE VALENCIA / INDIAN HILL / MOULTON
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	YES
ON-STREET PARKING	YES (w/PERMIT-WB) / YES (Heavy -EB)
OTHER	PAINTED BIKE LANES

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.50
VERTICAL CURVE	GRADUAL UPHILL GRADES
HORIZONTAL CURVE	SLIGHT "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / NO
STREET LIGHTING	YES
OTHER	RAISED MEDIAN ISLAND

ADJACENT LAND USE	LAGUNA HILLS HIGH SCH / RESIDENTIAL (NF) / PARK
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RECOMMENDED SPEED LIMIT	45 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
 The recommended 45 mph is within 3.6 mph of the 85th percentile speed and meets CVC standards.

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

LAGUNA HILLS DRIVE

DATE: 2/13/2020

TIME: 12:15 PM - 12:50 PM

MOULTON PKWY TO PASEO DE VALENCIA

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 100.0%
58						X 100.0%
57						X 100.0%
56						X 100.0%
55						X 100.0%
54						X 100.0%
53						X 100.0%
52						X 98.9%
51						X 95.6%
50						X 90.6%
49						X 87.2% }PACE
48						X 82.2% }PACE ---85PCT
47						X 74.4% }PACE
46						X 66.1% }PACE
45						X 56.1% }PACE
44						X 46.7% }PACE ---MEAN
43						X 42.2% }PACE
42						X 35.6% }PACE
41						X 27.8% }PACE
40						X 22.8% }PACE
39						X 15.6%
38						X 12.2% ---15PCT
37						X 8.3%
36						X 2.2%
35						X 1.7%
34						X 0.0%
33						X 0.0%
32						X 0.0%
31						X 0.0%
30						X 0.0%
29						X 0.0%
28						X 0.0%
27						X 0.0%
26						X 0.0%
25						X 0.0%
24						X 0.0%
23						X 0.0%
22						X 0.0%
21						X 0.0%
20						X 0.0%
19						X 0.0%
18						X 0.0%
17						X 0.0%
16						X 0.0%
15						X 0.0%

UPPER LIMIT 10 MPH PACE: 49 MPH
 LOWER LIMIT 10 MPH PACE: 40 MPH
 PERCENT OVER PACE: 12.8 %
 PERCENT IN PACE: 71.7 %
 PERCENT UNDER PACE: 15.6 %

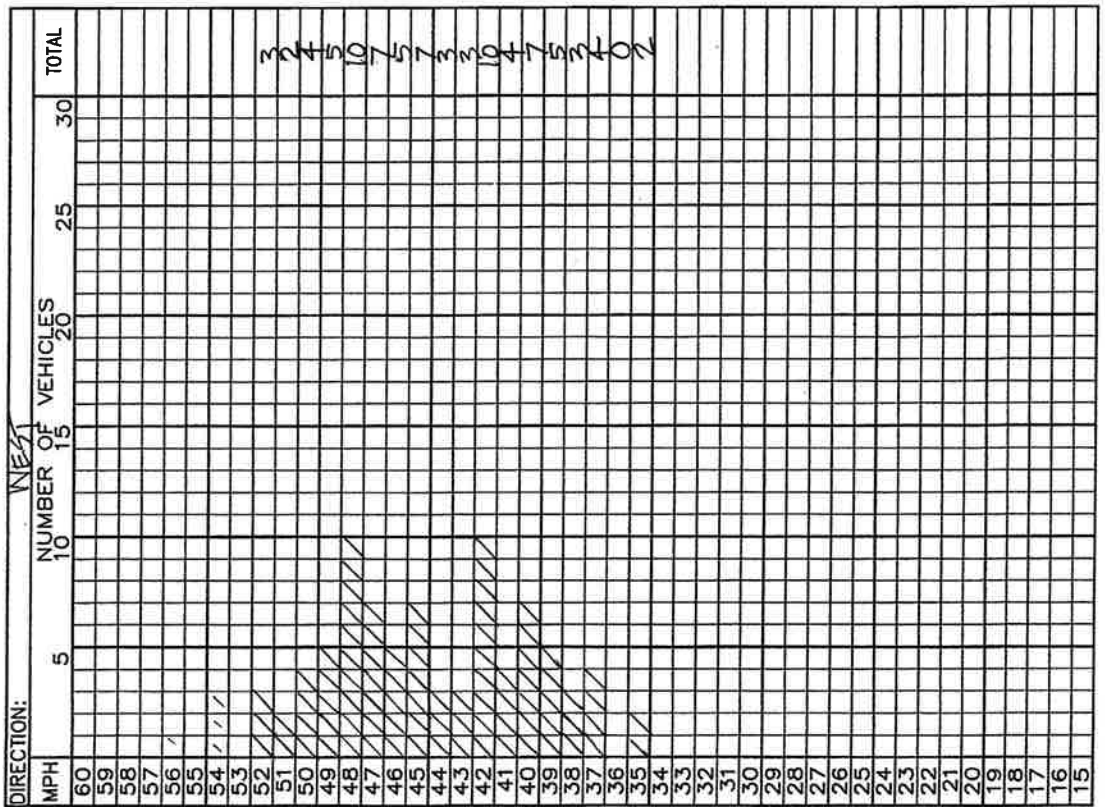
85th PERCENTILE SPEED: 48.6 MPH
 MEDIAN SPEED: 44.4 MPH
 15th PERCENTILE SPEED: 38.8 MPH

Radar Speed Survey Field Sheet

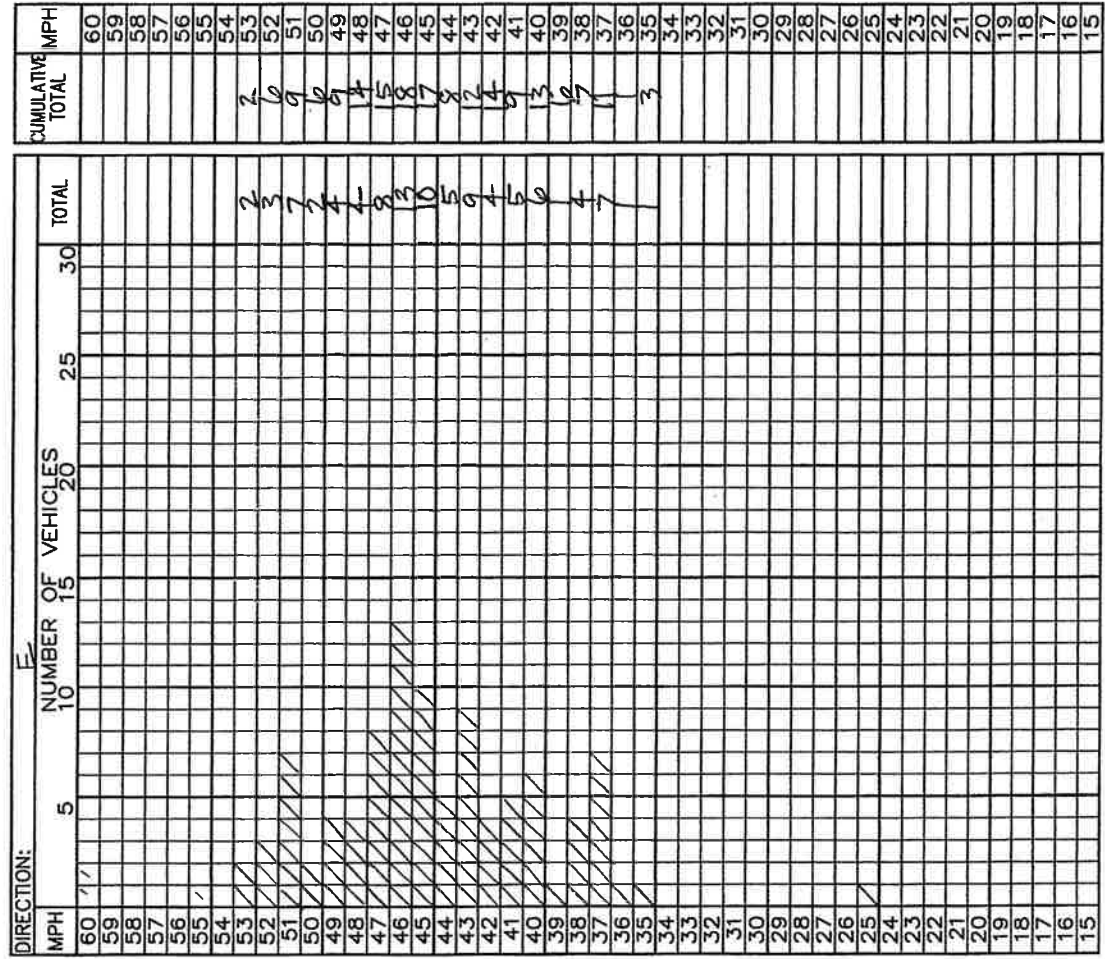


AGENCY: CITY OF LAGUNA HILLS
 STREET: LAGUNA HILLS DRIVE
 LOCATION: MOUNTAIN PKWY TO PASEO DE VALENCIA

WEATHER: _____ DATE: 02-13-2020
 ROAD CONDITION: _____ START TIME: 12:15 PM
 OBSERVER: Cathy Buendia END TIME: 12:50 PM MM



AVERAGE SPEED: _____ PACE SPEED: _____
 CRITICAL SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____



AVERAGE SPEED: _____ PACE SPEED: _____
 CRITICAL SPEED: _____
 CUMULATIVE TOTAL _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



LAKE FOREST DRIVE

SANTA VITTORIA DR TO MOULTON PKWY

DATE: 1/24/2020

SURVEY BY: C. BUENDIA

TIME: 11:00 AM - 11:45 AM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	EAST OF MILL
DATE OF SURVEY	1/24/2020
85th PERCENTILE	47.7 MPH
10 MPH PACE	39 - 48 MPH
PERCENT IN PACE	78.7 %
POSTED SPEED LIMIT	45 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	0
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	11,800
LANE CONFIGURATION	3 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - MOULTON-IRVINE CTR / MILL CREEK-SCIENTIFIC / SANTA VITTORIA
CROSSWALKS	AT MOULTON-IRVINE CTR / MILL CREEK-SCIENTIFIC / SANTA VITTORIA
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	YES
ON-STREET PARKING	NO PARKING ANYTIME ENTIRE BLOCK
OTHER	DESIGNATED BIKE LANES

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.65
VERTICAL CURVE	SLIGHT UP-DOWNHILL GRADES
HORIZONTAL CURVE	NONE
LATERAL VISIBILITY	GOOD
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / YES
STREET LIGHTING	YES
OTHER	RAISED MEDIAN ISLAND BUS CUT OUTS

ADJACENT LAND USE	INDUSTRIAL / COMMERCIAL / BUSINESS / RESIDENTIAL (NF)
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RECOMMENDED SPEED LIMIT	45 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:

The recommended 45 mph is within 2.7 mph of the 85th percentile speed and meets CVC standards.

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

LAKE FOREST DRIVE

DATE: 1/24/2020

TIME: 11:00 AM - 11:45 AM

SANTA VITTORIA DR TO MOULTON PKWY

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 100.0%
58						X 100.0%
57						X 100.0%
56						X 100.0%
55						X 100.0%
54						X 99.2%
53						X 97.5%
52						X 96.7%
51						X 93.4%
50						X 93.4%
49						X 89.3%
48						X 88.5% }PACE
47						X 77.9% }PACE ---85PCT
46						X 70.5% }PACE
45						X 65.6% }PACE
44						X 54.1% }PACE
43						X 39.3% }PACE ----MEAN
42						X 30.3% }PACE
41						X 23.8% }PACE
40						X 17.2% }PACE ---15PCT
39						X 12.3% }PACE
38						X 9.8%
37						X 5.7%
36						X 3.3%
35						X 1.6%
34						X 1.6%
33						X 1.6%
32						X 0.8%
31						X 0.0%
30						X 0.0%
29						X 0.0%
28						X 0.0%
27						X 0.0%
26						X 0.0%
25						X 0.0%
24						X 0.0%
23						X 0.0%
22						X 0.0%
21						X 0.0%
20						X 0.0%
19						X 0.0%
18						X 0.0%
17						X 0.0%
16						X 0.0%
15						X 0.0%

UPPER LIMIT 10 MPH PACE: 48 MPH
 LOWER LIMIT 10 MPH PACE: 39 MPH
 PERCENT OVER PACE: 11.5 %
 PERCENT IN PACE: 78.7 %
 PERCENT UNDER PACE: 9.8 %

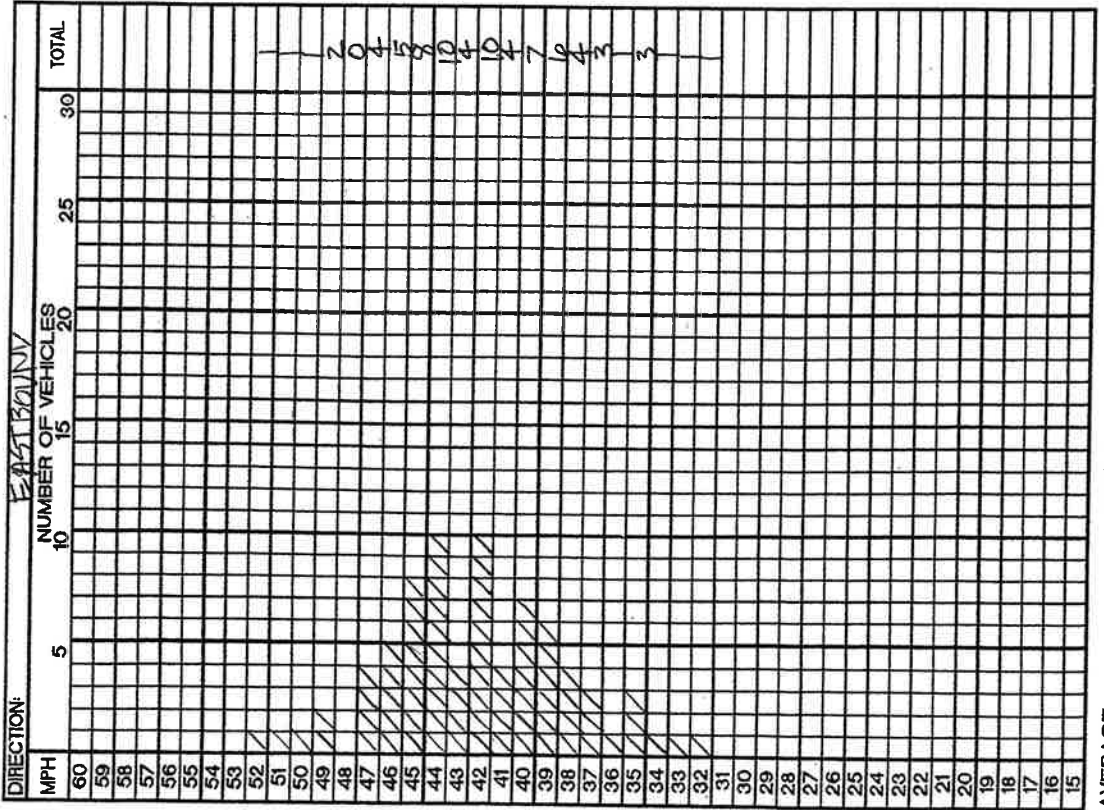
85th PERCENTILE SPEED: 47.7 MPH
 MEDIAN SPEED: 43.7 MPH
 15th PERCENTILE SPEED: 39.6 MPH

Radar Speed Survey Field Sheet

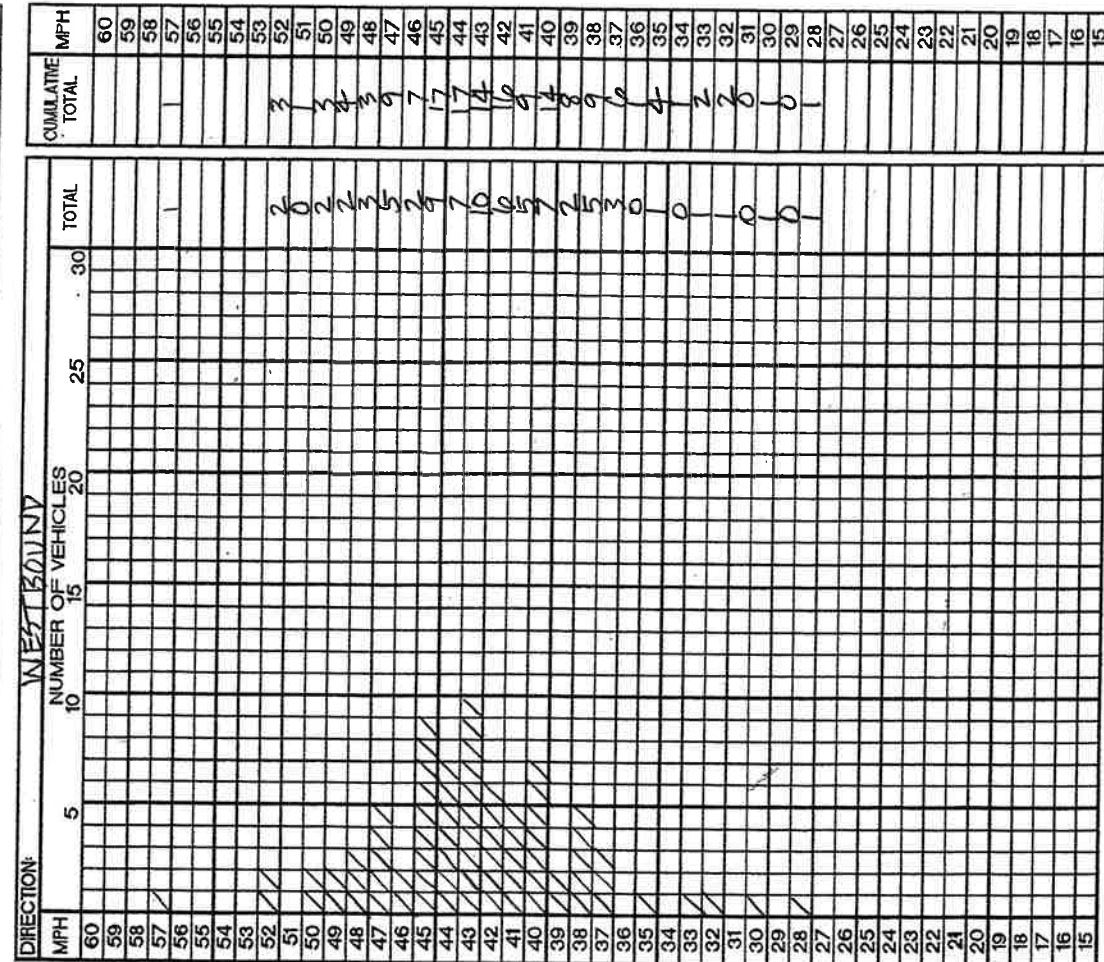
HARTZOG AND CRABILL INC.
CONSULTING TRAFFIC ENGINEERS
15921 Loma Blvd., Suite 102, Encino, CA 91436
(818) 731-9105

AGENCY: CITY OF LAGUNA HILLS
STREET: LAKE FOREST DRIVE
LOCATION: SANTA VICTORIA DR TO MOUNTAIN PARKWAY

WEATHER: SUNNY
ROAD CONDITION: WEST BOUNDARY
OBSERVER: CATHY BUENDIA
DATE: 01-24-2020
START TIME: 11:00 AM
END TIME: 11:45 AM
VMT: _____



AVERAGE SPEED: _____
CRITICAL SPEED: _____
PACE SPEED: _____
CUMULATIVE (BOTH DIRECTIONS) _____



AVERAGE SPEED: _____
CRITICAL SPEED: _____
PACE SPEED: _____
CUMULATIVE (BOTH DIRECTIONS) _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



LAKE FOREST DRIVE

MOULTON PKWY TO I-5 FREEWAY

DATE: 1/24/2020
 TIME: 10:00 AM - 11:00 AM

SURVEY BY: C. BUENDIA
 CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	EAST OF MOULTON
DATE OF SURVEY	1/24/2020
85th PERCENTILE	42.7 MPH
10 MPH PACE	35 - 44 MPH
PERCENT IN PACE	84.6 %
POSTED SPEED LIMIT	40 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	2
TOTAL ACCIDENTS	27
ANNUAL ACCIDENT RATE	1.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.17 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	30,300
LANE CONFIGURATION	3 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - CARLOTA / MOULTON-IRVINE / DEL LAGO-RESEARCH
CROSSWALKS	AT CARLOTA / MOULTON-IRVINE / DEL LAGO-RESEARCH
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	YES (Heavy)
ON-STREET PARKING	NO STOPPING ANYTIME ENTIRE BLOCK
OTHER	DESIGNATED BIKE LANES / BUS CUT OUTS SHORT DISTANCE BTWN INTERSECTIONS SURVEYED ON GREENS ONLY

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.54
VERTICAL CURVE	SLIGHT-GRADUAL UP-DOWNHILL GRADES
HORIZONTAL CURVE	SLIGHT "S" CURVE
LATERAL VISIBILITY	GOOD
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / MANY
STREET LIGHTING	YES
OTHER	RAISED MEDIAN ISLAND DENSE TRAFFIC

ADJACENT LAND USE	COMMERCIAL / BUSINESS / FWY RAMPS
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RECOMMENDED SPEED LIMIT	40 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
 The recommended 40 mph is within 2.7 mph of the 85th percentile speed and meets CVC standards.

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

LAKE FOREST DRIVE

DATE: 1/24/2020

TIME: 10:00 AM - 11:00 AM

MOULTON PKWY TO I-5 FREEWAY

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 100.0%
58						X 100.0%
57						X 100.0%
56						X 100.0%
55						X 100.0%
54						X 100.0%
53						X 100.0%
52						X 100.0%
51						X 99.3%
50						X 98.5%
49						X 97.8%
48						X 96.3%
47						X 95.6%
46						X 94.1%
45						X 92.6%
44						X 91.2% }PACE
43						X 88.2% }PACE
42						X 77.2% }PACE ---85PCT
41						X 72.8% }PACE
40						X 66.2% }PACE
39						X 52.9% }PACE
38						X 43.4% }PACE ---MEAN
37						X 33.8% }PACE
36						X 25.0% }PACE
35						X 16.2% }PACE
34						X 6.6% ---15PCT
33						X 3.7%
32						X 0.7%
31						X 0.0%
30						X 0.0%
29						X 0.0%
28						X 0.0%
27						X 0.0%
26						X 0.0%
25						X 0.0%
24						X 0.0%
23						X 0.0%
22						X 0.0%
21						X 0.0%
20						X 0.0%
19						X 0.0%
18						X 0.0%
17						X 0.0%
16						X 0.0%
15						X 0.0%

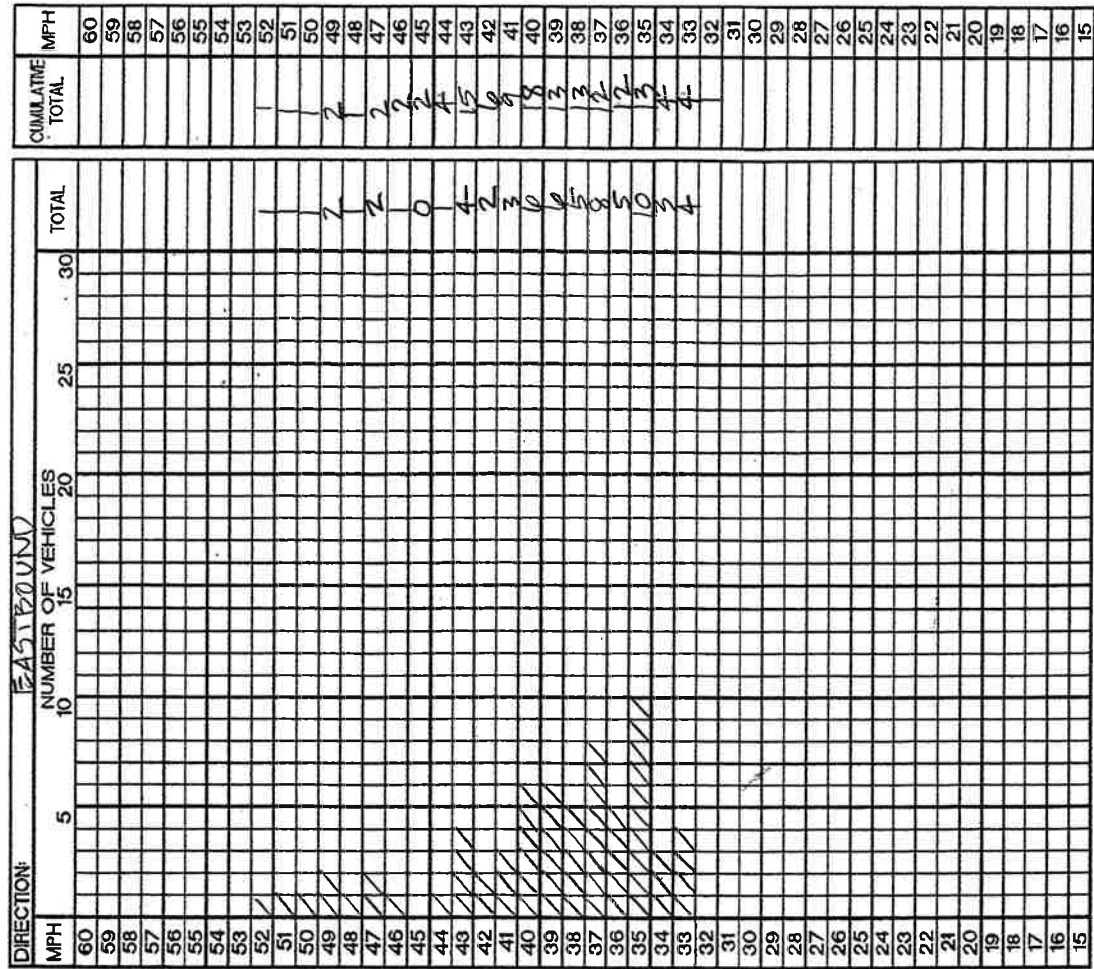
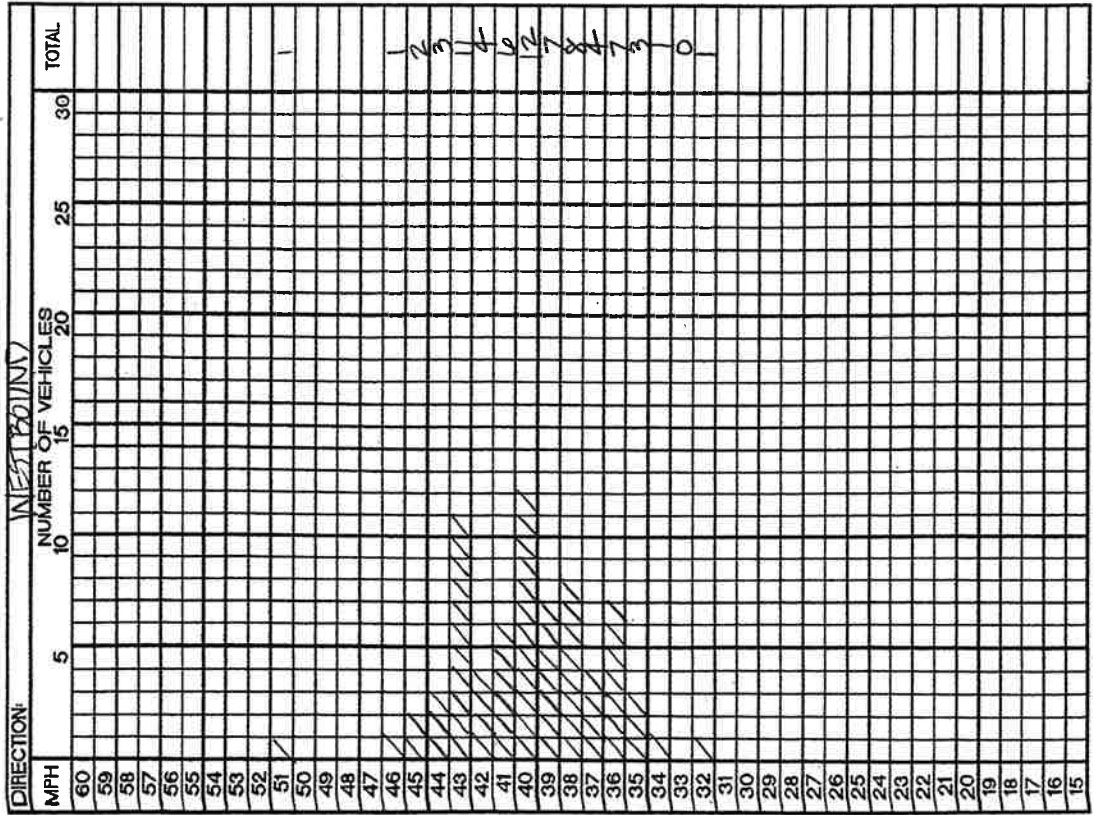
UPPER LIMIT 10 MPH PACE: 44 MPH
 LOWER LIMIT 10 MPH PACE: 35 MPH
 PERCENT OVER PACE: 11.8 %
 PERCENT IN PACE: 84.6 %
 PERCENT UNDER PACE: 6.6 %

85th PERCENTILE SPEED: 42.7 MPH
 MEDIAN SPEED: 38.7 MPH
 15th PERCENTILE SPEED: 34.9 MPH

Radar Speed Survey Field Sheet

AGENCY: CITY OF LAGUNA HILLS DATE: 01-24-2020
STREET: LAKE FOREST DRIVE ROAD CONDITION: DRY
LOCATION: MOULION PLINY TO I-5 FWY OBSERVER: CATHY BUENDIA

WEATHER: WINDY
START TIME: 10:00 AM
END TIME: 11:00 AM



ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



LOS ALISOS BOULEVARD

I-5 FREEWAY TO PASEO DE VALENCIA

DATE: 2/13/2020

SURVEY BY: C. BUENDIA

TIME: 1:15 PM - 1:45 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	WEST OF PASEO DE VALENCIA
DATE OF SURVEY	2/13/2020
85th PERCENTILE	43.1 MPH
10 MPH PACE	34 - 43 MPH
PERCENT IN PACE	69.0 %
POSTED SPEED LIMIT	40 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	1
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	20,800
LANE CONFIGURATION	2 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - AVENIDA CARLOTA / PASEO DE VALENCIA
CROSSWALKS	AT AVENIDA CARLOTA / PASEO DE VALENCIA
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	YES
ON-STREET PARKING	YES (WB) / NO PARKING ANYTIME ENTIRE BLOCK (EB)
OTHER	DESIGNATED BIKE LANES

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.43
VERTICAL CURVE	SLIGHT UPHILL GRADE (EB)
HORIZONTAL CURVE	GRADUAL "S" CURVE
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE (slight)
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / NO
STREET LIGHTING	YES
OTHER	NO SHOULDER (EB)

ADJACENT LAND USE	RESIDENTIAL (NF) / FWY OVERPASS
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RECOMMENDED SPEED LIMIT	40 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
 The recommended 40 mph is within 3.1 mph of the 85th percentile speed and meets CVC standards.

RADAR SPEED DISTRIBUTION SHEET

CITY OF LAGUNA HILLS



LOS ALISOS BOULEVARD

I-5 FREEWAY TO PASEO DE VALENCIA

DATE: 2/13/2020

SURVEY BY: C. BUENDIA

TIME: 1:15 PM - 1:45 PM

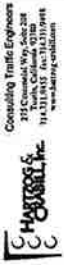
CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	100.0%
53					X	100.0%
52					X	100.0%
51					X	100.0%
50					X	99.5%
49					X	99.0%
48					X	97.5%
47					X	95.9%
46					X	91.9%
45					X	89.3%
44					X	87.8%
43					X	84.8% }PACE ---85PCT
42					X	79.7% }PACE
41					X	75.1% }PACE
40					X	70.6% }PACE
39					X	58.9% }PACE
38					X	52.8% }PACE
37					X	44.2% }PACE ---MEAN
36					X	37.6% }PACE
35					X	28.4% }PACE
34					X	20.8% }PACE
33					X	15.7%
32					X	11.2% ---15PCT
31					X	6.6%
30	X					2.5%
29	X					2.0%
28	X					1.0%
27	X					1.0%
26	X					0.0%
25	X					0.0%
24	X					0.0%
23	X					0.0%
22	X					0.0%
21	X					0.0%
20	X					0.0%
19	X					0.0%
18	X					0.0%
17	X					0.0%
16	X					0.0%
15	X					0.0%

UPPER LIMIT 10 MPH PACE: 43 MPH
 LOWER LIMIT 10 MPH PACE: 34 MPH
 PERCENT OVER PACE: 15.2 %
 PERCENT IN PACE: 69.0 %
 PERCENT UNDER PACE: 15.7 %

85th PERCENTILE SPEED: 43.1 MPH
 MEDIAN SPEED: 37.7 MPH
 15th PERCENTILE SPEED: 32.8 MPH

Radar Speed Survey Field Sheet



AGENCY: CITY OF LAGUNA HILLS
STREET: LOS ALAMOS BOULEVARD
LOCATION: I-5 FUNKY (OVERPASS) TO P.O. VALENCIA

WEATHER: SUNNY DATE: 02-13-2020
ROAD CONDITION: DRY START TIME: 1:15 PM
OBSERVER: Cathy Buendia END TIME: 1:45 PM

DIRECTION: EAST	MPH	NUMBER OF VEHICLES				TOTAL
		5	10	15	20	
60						
59						
58						
57						
56						
55						
54						
53						
52						
51						
50						
49						
48						
47						
46						
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27						
26						
25						
24						
23						
22						
21						
20						
19						
18						
17						
16						
15						

DIRECTION: WEST	MPH	NUMBER OF VEHICLES				TOTAL	CUMULATIVE TOTAL
		5	10	15	20		
60							
59							
58							
57							
56							
55							
54							
53							
52							
51							
50							
49							
48							
47							
46							
45							
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18							
17							
16							
15							

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



LOUISA STREET

MOULTON PKWY TO LUPITA (END)

DATE: 1/21/2020

SURVEY BY: C. BUENDIA

TIME: 3:30 PM - 4:45 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	EAST OF MOULTON
DATE OF SURVEY	1/21/2020
85th PERCENTILE	31.1 MPH
10 MPH PACE	24 - 33 MPH
PERCENT IN PACE	88.3 %
POSTED SPEED LIMIT	30 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	0
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	1,200
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	STOP - MOULTON
CROSSWALKS	NONE
PEDESTRIAN/BICYCLES	FEW / NO
TRUCK TRAFFIC	NO
ON-STREET PARKING	YES (EB) WITH PERMIT
OTHER	NO PARKING ANYTIME (WB)

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.08
VERTICAL CURVE	SLIGHT UPHILL GRADE (EB)
HORIZONTAL CURVE	SLIGHT "S" CURVE
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE (slight)
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / YES (EB) - NO / NO (WB)
STREET LIGHTING	YES
OTHER	

ADJACENT LAND USE	RESIDENTIAL (F+NF)
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RECOMMENDED SPEED LIMIT	30 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
 The recommended 30 mph is within 1.1 mph of the 85th percentile speed and meets CVC standards.

F+NF = Fronting + Non-Fronting

RADAR SPEED DISTRIBUTION SHEET

CITY OF LAGUNA HILLS



LOUISA STREET

DATE: 1/21/2020

TIME: 3:30 PM - 4:45 PM

MOULTON PKWY TO LUPITA (END)

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	100.0%
53					X	100.0%
52					X	100.0%
51					X	100.0%
50					X	100.0%
49					X	100.0%
48					X	100.0%
47					X	100.0%
46					X	100.0%
45					X	100.0%
44					X	100.0%
43					X	100.0%
42					X	100.0%
41					X	100.0%
40					X	100.0%
39					X	100.0%
38					X	100.0%
37					X	100.0%
36					X	100.0%
35					X	98.7%
34					X	97.4%
33					X	96.1% }PACE
32					X	89.6% }PACE
31					X	84.4% }PACE ---85PCT
30					X	77.9% }PACE
29					X	64.9% }PACE
28					X	55.8% }PACE
27					X	44.2% }PACE ---MEAN
26					X	28.6% }PACE
25					X	19.5% }PACE
24					X	11.7% }PACE ---15PCT
23					X	7.8%
22					X	3.9%
21					X	1.3%
20					X	1.3%
19					X	0.0%
18					X	0.0%
17					X	0.0%
16					X	0.0%
15					X	0.0%

UPPER LIMIT 10 MPH PACE: 33 MPH
 LOWER LIMIT 10 MPH PACE: 24 MPH
 PERCENT OVER PACE: 3.9 %
 PERCENT IN PACE: 88.3 %
 PERCENT UNDER PACE: 7.8 %

85th PERCENTILE SPEED: 31.1 MPH
 MEDIAN SPEED: 27.5 MPH
 15th PERCENTILE SPEED: 24.4 MPH

Radar Speed Survey Field Sheet

HARIZOG AND CRABELL INC.
 Consulting Team: Engineers
 1922 West 89th, Suite 102, Lake CA, 94590
 (415) 751-5522

AGENCY: CITY OF LAGUNA HILLS
 STREET: LOUISA STREET
 LOCATION: MOULTON PKWY TO LUPTA (END)

WEATHER: SUNNY DATE: 01-21-2020
 ROAD CONDITION: DRY START TIME: 3:30 PM
 OBSERVER: CATHY BUENDIA END TIME: 4:45 PM *VJM*

DIRECTION:	WESTBOUND				TOTAL			
	MPH	5	10	15		20	25	30
60								
59								
58								
57								
56								
55								
54								
53								
52								
51								
50								
49								
48								
47								
46								
45								
44								
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25								
24								
23								
22								
21								
20								
19								
18								
17								
16								
15								

DIRECTION:	EASTBOUND				TOTAL			
	MPH	5	10	15		20	25	30
60								
59								
58								
57								
56								
55								
54								
53								
52								
51								
50								
49								
48								
47								
46								
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17								
16								
15								

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



MILL CREEK DRIVE

LAKE FOREST DR TO RIDGE ROUTE DR

DATE: 1/21/2020
 TIME: 12:45 PM - 1:30 PM

SURVEY BY: C. BUENDIA
 CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	NORTH OF ARBOLADO
DATE OF SURVEY	1/21/2020
85th PERCENTILE	32.7 MPH
10 MPH PACE	25 - 34 MPH
PERCENT IN PACE	82.9 %
POSTED SPEED LIMIT	30 MPH / 25 MPH*

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	1
TOTAL ACCIDENTS	3
ANNUAL ACCIDENT RATE	0.50 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.72 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	2,700
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - LAKE FOREST, STOP - RIDGE ROUTE
CROSSWALKS	AT LAKE FOREST
PEDESTRIAN/BICYCLES	FEW / NO
TRUCK TRAFFIC	NO
ON-STREET PARKING	YES
OTHER	AREAS OF NO PARKING ANYTIME

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.70
VERTICAL CURVE	CONSTANT MODERATE UP-DOWNHILL GRADES
HORIZONTAL CURVE	CONSTANT MODERATE SWEEPING "S" CURVE
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE (many areas of)
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	PARTIAL / YES (heavy)
STREET LIGHTING	YES
OTHER	DBL YELLOW CENTERLINE

ADJACENT LAND USE	BUSINESS / NEW VISTA SCHOOL
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RECOMMENDED SPEED LIMIT	30 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
 The recommended 30 mph is within 2.7 mph of the 85th percentile speed and meets CVC standards.

*25 MPH When Children Present, School Zone

RADAR SPEED DISTRIBUTION SHEET

CITY OF LAGUNA HILLS



MILL CREEK DRIVE

DATE: 1/21/2020

TIME: 12:45 PM - 1:30 PM

LAKE FOREST DR TO RIDGE ROUTE DR

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 100.0%
58						X 100.0%
57						X 100.0%
56						X 100.0%
55						X 100.0%
54						X 100.0%
53						X 100.0%
52						X 100.0%
51						X 100.0%
50						X 100.0%
49						X 100.0%
48						X 100.0%
47						X 100.0%
46						X 100.0%
45						X 100.0%
44						X 100.0%
43						X 100.0%
42						X 100.0%
41						X 100.0%
40						X 100.0%
39						X 100.0%
38						X 100.0%
37						X 99.3%
36						X 95.9%
35						X 94.5%
34						X 91.8% }PACE
33						X 87.0% }PACE
32						X 87.0% }PACE
31						X 79.5% }PACE ---85PCT
30						X 72.6% }PACE
29						X 63.0% }PACE
28						X 53.4% }PACE
27						X 41.8% }PACE ---MEAN
26						X 34.2% }PACE
25						X 24.0% }PACE
24						X 18.5% }PACE
23						X 8.9% ---15PCT
22						X 4.1%
21						X 3.4%
20						X 1.4%
19						X 0.7%
18						X 0.0%
17						X 0.0%
16						X 0.0%
15						X 0.0%

UPPER LIMIT 10 MPH PACE: 34 MPH
 LOWER LIMIT 10 MPH PACE: 25 MPH
 PERCENT OVER PACE: 13.0 %
 PERCENT IN PACE: 82.9 %
 PERCENT UNDER PACE: 8.9 %

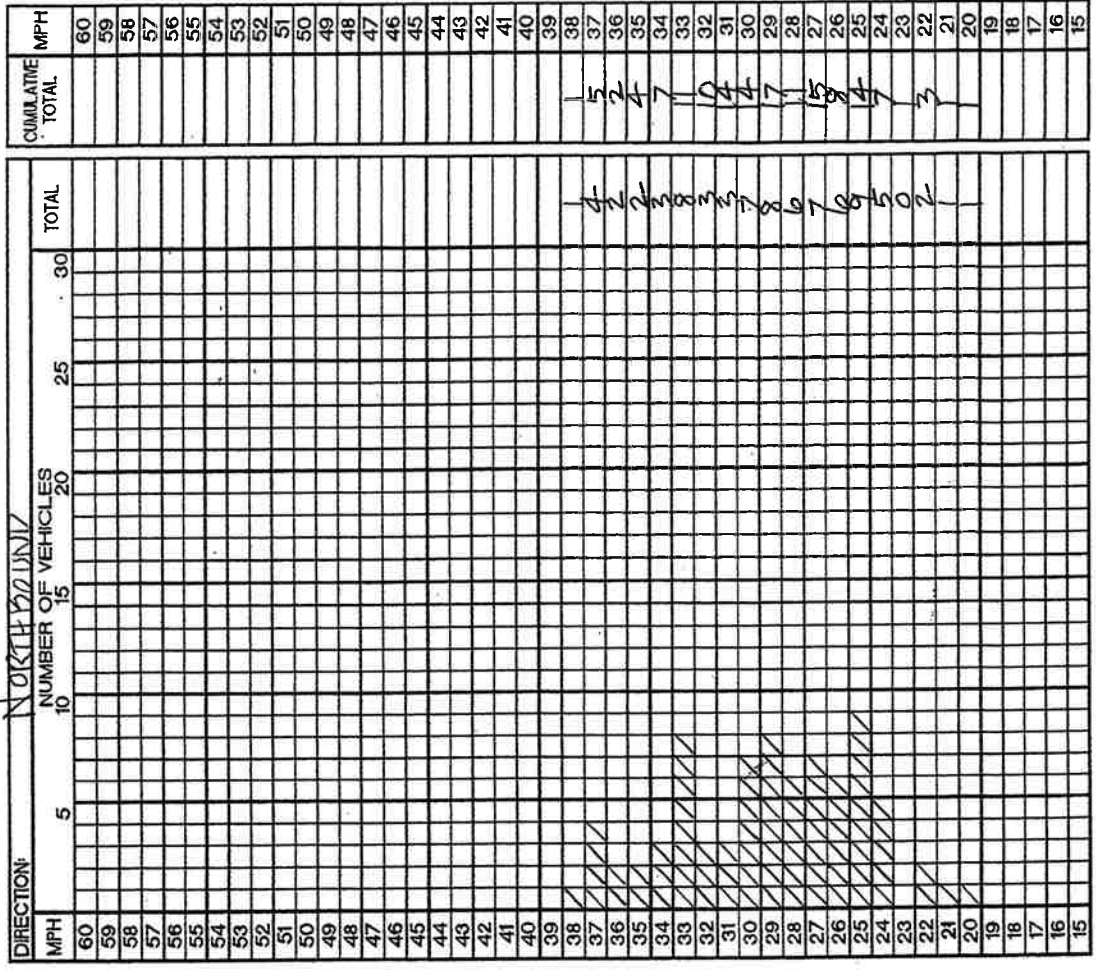
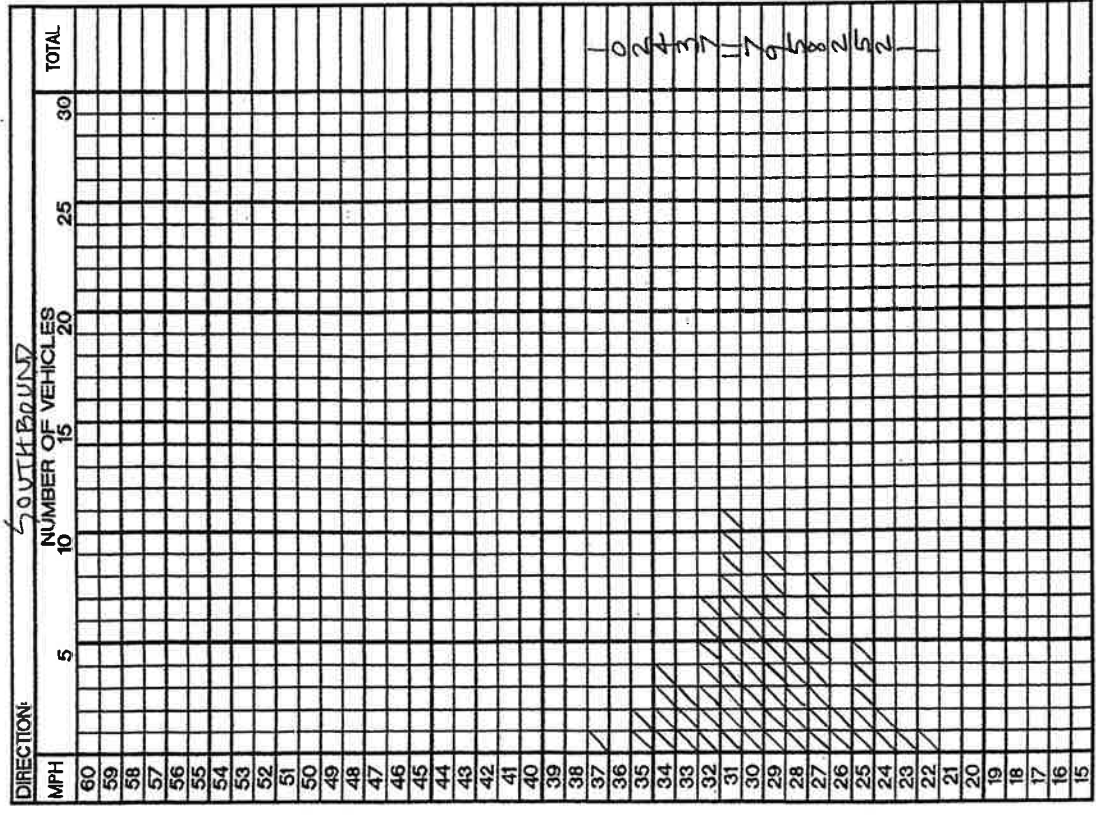
85th PERCENTILE SPEED: 32.7 MPH
 MEDIAN SPEED: 28.7 MPH
 15th PERCENTILE SPEED: 24.6 MPH

HARTOG AND CRIBELL INC.
Creating Data Systems
1191 West 85th Street, Suite 41, 92660
(714) 941-9482

Radar Speed Survey Field Sheet

AGENCY: CITY OF LAGUNA HILLS
STREET: MILL CREEK DRIVE
LOCATION: LAKE FOREST DR TO RIDGE ROUTE DR

WEATHER: CLOUDY DATE: 01-21-2020
ROAD CONDITION: DRY START TIME: 12:45 PM
OBSERVER: CATHY BUENDIA END TIME: 1:30 PM VAL



AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
CUMULATIVE (BOTH DIRECTIONS) _____

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
CUMULATIVE (BOTH DIRECTIONS) _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



MOULTON PARKWAY

LAKE FOREST DR TO EL PACIFICO

DATE: 1/24/2020

SURVEY BY: C. BUENDIA

TIME: 12:00 PM - 12:30 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	SOUTH OF LAKE FOREST
DATE OF SURVEY	1/24/2020
85th PERCENTILE	47.8 MPH
10 MPH PACE	38 - 47 MPH
PERCENT IN PACE	71.3 %
POSTED SPEED LIMIT	45 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	1
TOTAL ACCIDENTS	7
ANNUAL ACCIDENT RATE	0.50 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.19 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	25,900
LANE CONFIGURATION	3 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - LAKE FOREST / EL PACIFICO
CROSSWALKS	AT LAKE FOREST / EL PACIFICO
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	YES (many)
ON-STREET PARKING	NO STOPPING ANYTIME ENTIRE BLOCK
OTHER	DESIGNATED BIKE LANES BUS STOPS CUT OUTS

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.28
VERTICAL CURVE	SLIGHT UP-DOWNHILL GRADES
HORIZONTAL CURVE	NONE
LATERAL VISIBILITY	GOOD
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / YES
STREET LIGHTING	YES
OTHER	RAISED MEDIAN ISLAND SHORT DISTANCE BTWN INTERSECTIONS

ADJACENT LAND USE	BUSINESS / INDUSTRIAL / MEDICAL / COMMERCIAL
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RECOMMENDED SPEED LIMIT	45 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended 45 mph speed limit is within 2.8 mph of the 85th percentile speed and meets CVC standards.

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

MOULTON PARKWAY

LAKE FOREST DR TO EL PACIFICO

DATE: 1/24/2020

SURVEY BY:

C. BUENDIA

TIME: 12:00 PM - 12:30 PM

CHECKED BY:

JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	98.8%
53					X	97.7%
52					X	97.1%
51					X	95.9%
50					X	93.0%
49					X	90.1%
48					X	86.0%
47					X	80.1% }PACE ---85PCT
46					X	73.7% }PACE
45					X	68.4% }PACE
44					X	57.3% }PACE
43					X	50.3% }PACE
42					X	45.6% }PACE ---MEAN
41					X	37.4% }PACE
40					X	28.1% }PACE
39					X	22.2% }PACE
38					X	15.8% }PACE
37					X	8.8% ---15PCT
36					X	4.7%
35					X	2.9%
34					X	1.8%
33					X	1.8%
32					X	0.6%
31					X	0.0%
30					X	0.0%
29					X	0.0%
28					X	0.0%
27					X	0.0%
26					X	0.0%
25					X	0.0%
24					X	0.0%
23					X	0.0%
22					X	0.0%
21					X	0.0%
20					X	0.0%
19					X	0.0%
18					X	0.0%
17					X	0.0%
16					X	0.0%
15					X	0.0%

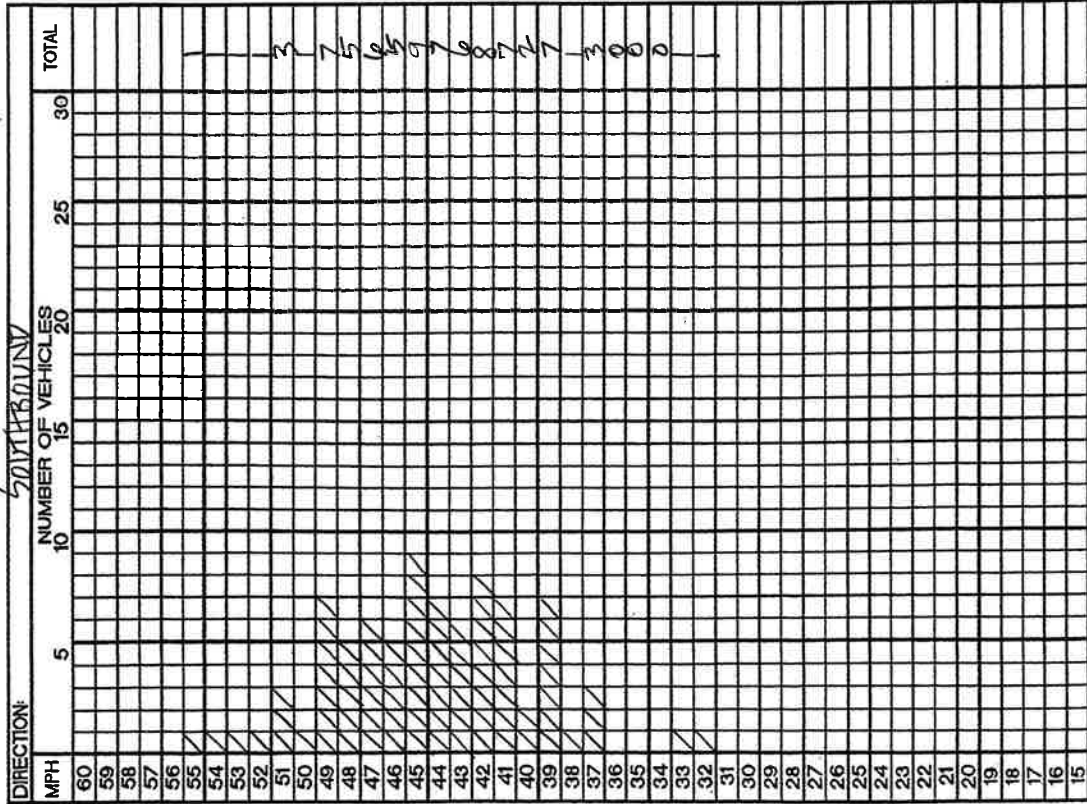
UPPER LIMIT 10 MPH PACE: 47 MPH
 LOWER LIMIT 10 MPH PACE: 38 MPH
 PERCENT OVER PACE: 19.9 %
 PERCENT IN PACE: 71.3 %
 PERCENT UNDER PACE: 8.8 %

85th PERCENTILE SPEED: 47.8 MPH
 MEDIAN SPEED: 42.9 MPH
 15th PERCENTILE SPEED: 37.9 MPH

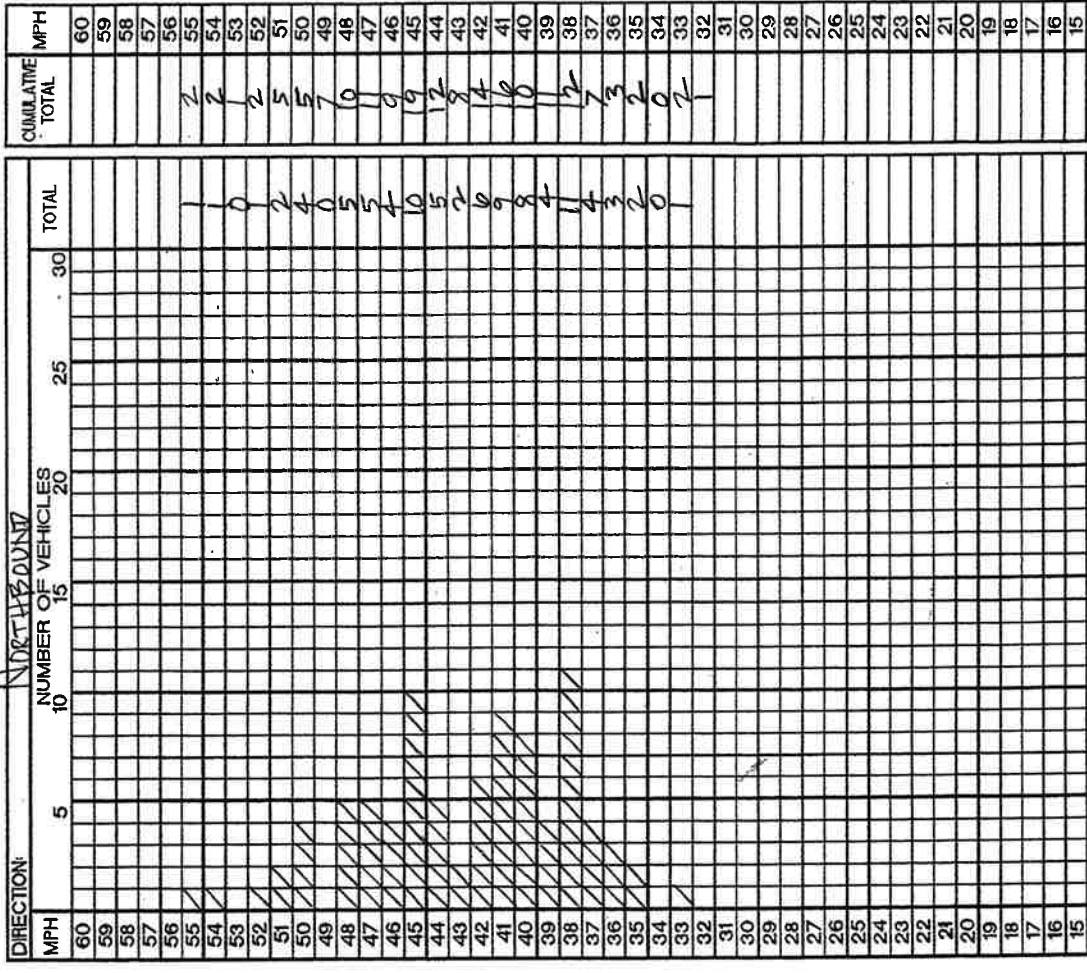
Radar Speed Survey Field Sheet

HARTZOG AND CRABILL INC.
 Consulting Traffic Engineers
 11991 Lake Blvd., Suite 127, Lake CA 92650
 (714) 331-9105

AGENCY: CITY OF LAGUNA HILLS DATE: 01-24-2020
 STREET: MOULTON PARKWAY START TIME: 12:00 PM
 LOCATION: LAKE FOREST DR TO EL PASO END TIME: 12:30 PM VAM
 WEATHER: SUNNY
 ROAD CONDITION: DRY
 OBSERVER: CATHY BUENDIA



AVERAGE SPEED: _____ PACE SPEED: _____
 CRITICAL SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____



AVERAGE SPEED: _____ PACE SPEED: _____
 CRITICAL SPEED: _____
 CUMULATIVE TOTAL _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



MOULTON PARKWAY

EL PACIFICO TO SANTA MARIA AVE

DATE: 1/24/2020
 TIME: 12:30 PM - 1:15 PM

SURVEY BY: C. BUENDIA
 CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	SOUTH OF PACIFICO
DATE OF SURVEY	1/24/2020
85th PERCENTILE	47.8 MPH
10 MPH PACE	38 - 47 MPH
PERCENT IN PACE	64.5 %
POSTED SPEED LIMIT	45 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	7
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	28,900
LANE CONFIGURATION	3 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - EL PACIFICO / RIDGE ROUTE / SANTA MARIA
CROSSWALKS	AT EL PACIFICO / RIDGE ROUTE / SANTA MARIA
PEDESTRIAN/BICYCLES	FEW / YES
TRUCK TRAFFIC	YES (many)
ON-STREET PARKING	NO STOPPING ANYTIME ENTIRE BLOCK
OTHER	DESIGNATED BIKE LANES BUS STOPS

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.28
VERTICAL CURVE	SLIGHT UP/DOWNHILL GRADES
HORIZONTAL CURVE	GRADUAL "C" CURVE
LATERAL VISIBILITY	GOOD
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / NO
STREET LIGHTING	YES
OTHER	RAISED MEDAIN ISLAND

ADJACENT LAND USE	BUSINESS / INDUSTRIAL / CHURCH / GOLF COURSE
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RECOMMENDED SPEED LIMIT	45 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
 The recommended 45 mph speed limit is within 2.8 mph of the 85th percentile speed and meets CVC standards.

RADAR SPEED DISTRIBUTION SHEET

CITY OF LAGUNA HILLS
MOULTON PARKWAY **EL PACIFICO TO SANTA MARIA AVE**
DATE: 1/24/2020 **SURVEY BY:** C. BUENDIA
TIME: 12:30 PM - 1:15 PM **CHECKED BY:** JERRY STOCK

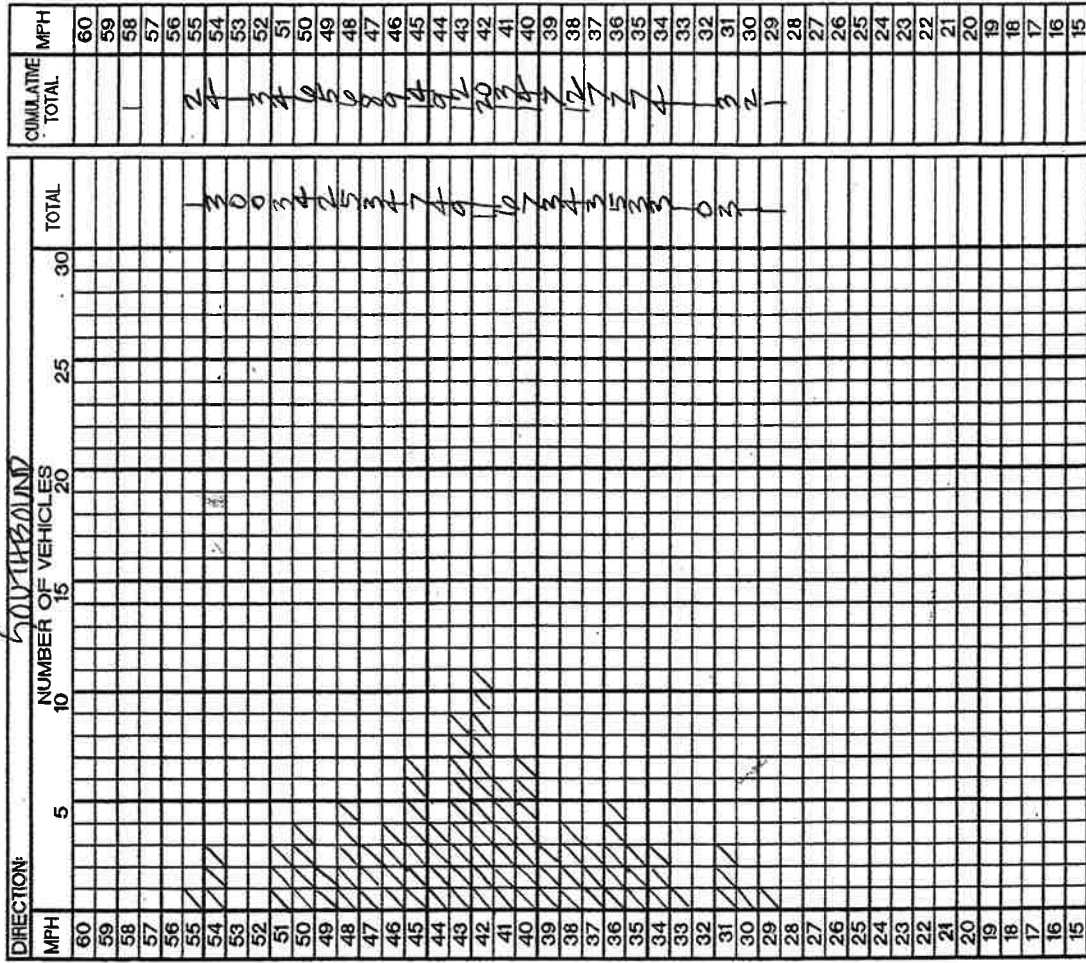
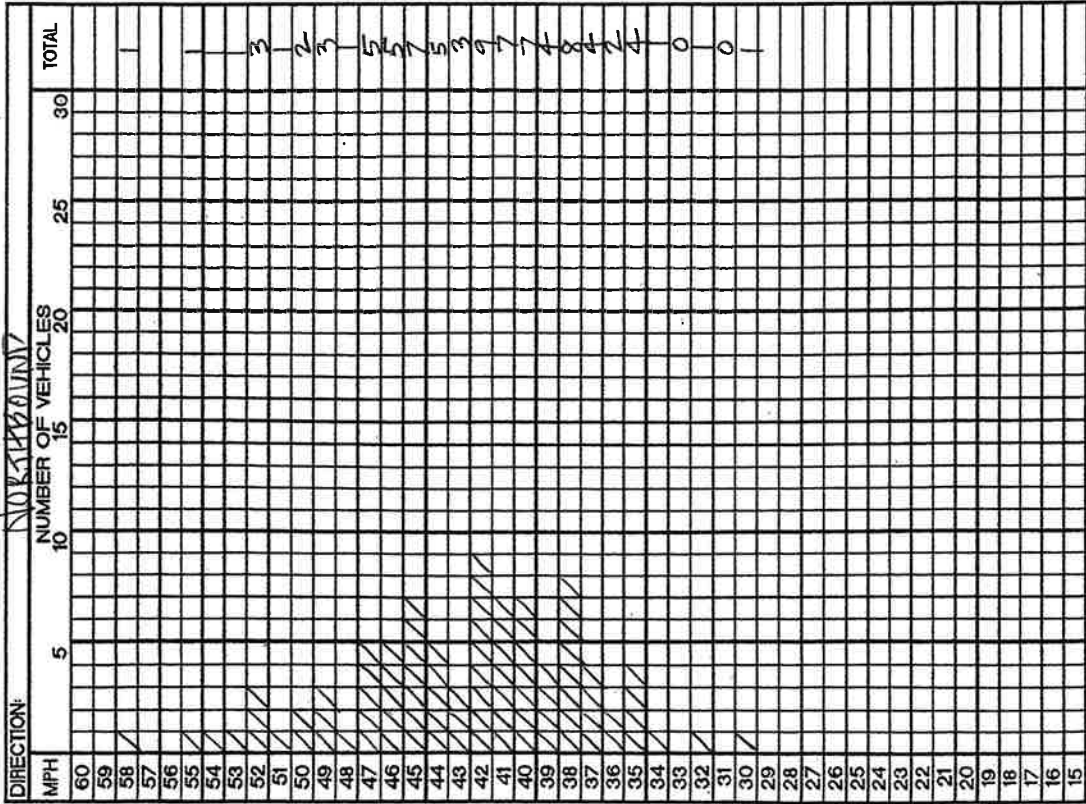
SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	99.5%
56					X	99.5%
55					X	99.5%
54					X	98.4%
53					X	96.2%
52					X	95.6%
51					X	94.0%
50					X	91.8%
49					X	88.5%
48					X	85.8%
47					X	82.5% }PACE ---85PCT
46					X	78.1% }PACE
45					X	73.2% }PACE
44					X	65.6% }PACE
43					X	60.7% }PACE
42					X	54.1% }PACE
41					X	43.2% }PACE ---MEAN
40					X	36.1% }PACE
39					X	28.4% }PACE
38					X	24.6% }PACE
37					X	18.0%
36					X	14.2% ---15PCT
35					X	10.4%
34					X	6.6%
33					X	4.4%
32					X	3.8%
31					X	3.3%
30					X	1.6%
29					X	0.5%
28					X	0.0%
27					X	0.0%
26					X	0.0%
25					X	0.0%
24					X	0.0%
23					X	0.0%
22					X	0.0%
21					X	0.0%
20					X	0.0%
19					X	0.0%
18					X	0.0%
17					X	0.0%
16					X	0.0%
15					X	0.0%

UPPER LIMIT 10 MPH PACE:	47 MPH	85th PERCENTILE SPEED:	47.8 MPH
LOWER LIMIT 10 MPH PACE:	38 MPH	MEDIAN SPEED:	41.6 MPH
PERCENT OVER PACE:	17.5 %	15th PERCENTILE SPEED:	36.2 MPH
PERCENT IN PACE:	64.5 %		
PERCENT UNDER PACE:	18.0 %		

HARTZOG AND CRABELL INC.
 Consulting Traffic Engineers
 11221 Santa Monica Blvd., Suite CA, 90404
 (310) 213-2333

Radar Speed Survey Field Sheet

AGENCY: CITY OF LAGUNA HILLS DATE: 01-24-2020
 STREET: MOULTON PARKWAY ROAD CONDITION: DRY START TIME: 12:30 PM
 LOCATION: EL PACIFICO TO SANTA MARIA AVE OBSERVER: CATHY BUENDIA END TIME: 1:15 PM VEHICLE



AVERAGE SPEED: _____ PACE SPEED: _____
 CRITICAL SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



MOULTON PARKWAY

NORTH CITY LIMIT (n/o Glenwood) TO VIA LOMAS

DATE: 1/24/2020
 TIME: 2:00 PM - 2:45 PM

SURVEY BY: C. BUENDIA
 CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	NORTH OF VIA LOMAS
DATE OF SURVEY	1/24/2020
85th PERCENTILE	51.2 MPH
10 MPH PACE	43 - 52 MPH
PERCENT IN PACE	67.4 %
POSTED SPEED LIMIT	50 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	7
TOTAL ACCIDENTS	29
ANNUAL ACCIDENT RATE	3.50 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.44 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	24,200
LANE CONFIGURATION	3 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - GLENWOOD-INDIAN CREEK / LAGUNA HILLS-ALISO VIEJO / VIA LOMAS
CROSSWALKS	AT GLENWOOD-INDIAN CREEK / LAGUNA HILLS-ALISO VIEJO / VIA LOMAS
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	YES
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	SIGNAL AHEAD FLASHER (s/o Indian Hill) SB ONLY BIKE ROUTE / BUS CUT OUTS

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.90
VERTICAL CURVE	SLIGHT-GRADUAL UP/DOWNHILL GRADES
HORIZONTAL CURVE	GRADUAL "S" CURVES
LATERAL VISIBILITY	GOOD
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / NO
STREET LIGHTING	YES
OTHER	RAISED MEDIAN ISLAND

ADJACENT LAND USE	RESIDENTIAL**
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RECOMMENDED SPEED LIMIT	50 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
 The recommended 50 mph speed limit is within 1.2 mph of the 85th percentile speed and meets CVC standards.

RADAR SPEED DISTRIBUTION SHEET

CITY OF LAGUNA HILLS



MOULTON PARKWAY

NORTH CITY LIMIT (n/o Glenwood) TO VIA LOMAS

DATE: 1/24/2020

SURVEY BY:

C. BUENDIA

TIME: 2:00 PM - 2:45 PM

CHECKED BY:

JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	99.4%
56					X	98.3%
55					X	96.6%
54					X	94.9%
53					X	91.4%
52					X	87.4% }PACE
51					X	84.6% }PACE ---85PCT
50				X		76.6% }PACE
49				X		70.3% }PACE
48			X			60.0% }PACE
47			X			54.9% }PACE
46			X			49.1% }PACE ---MEAN
45			X			42.9% }PACE
44		X				34.3% }PACE
43		X				30.3% }PACE
42		X				20.0%
41		X				17.1% ---15PCT
40		X				12.0%
39		X				8.6%
38	X					5.7%
37	X					4.6%
36	X					2.9%
35	X					2.3%
34	X					1.7%
33	X					1.7%
32	X					0.0%
31	X					0.0%
30	X					0.0%
29	X					0.0%
28	X					0.0%
27	X					0.0%
26	X					0.0%
25	X					0.0%
24	X					0.0%
23	X					0.0%
22	X					0.0%
21	X					0.0%
20	X					0.0%
19	X					0.0%
18	X					0.0%
17	X					0.0%
16	X					0.0%
15	X					0.0%

UPPER LIMIT 10 MPH PACE: 52 MPH
 LOWER LIMIT 10 MPH PACE: 43 MPH
 PERCENT OVER PACE: 15.4 %
 PERCENT IN PACE: 67.4 %
 PERCENT UNDER PACE: 20.0 %

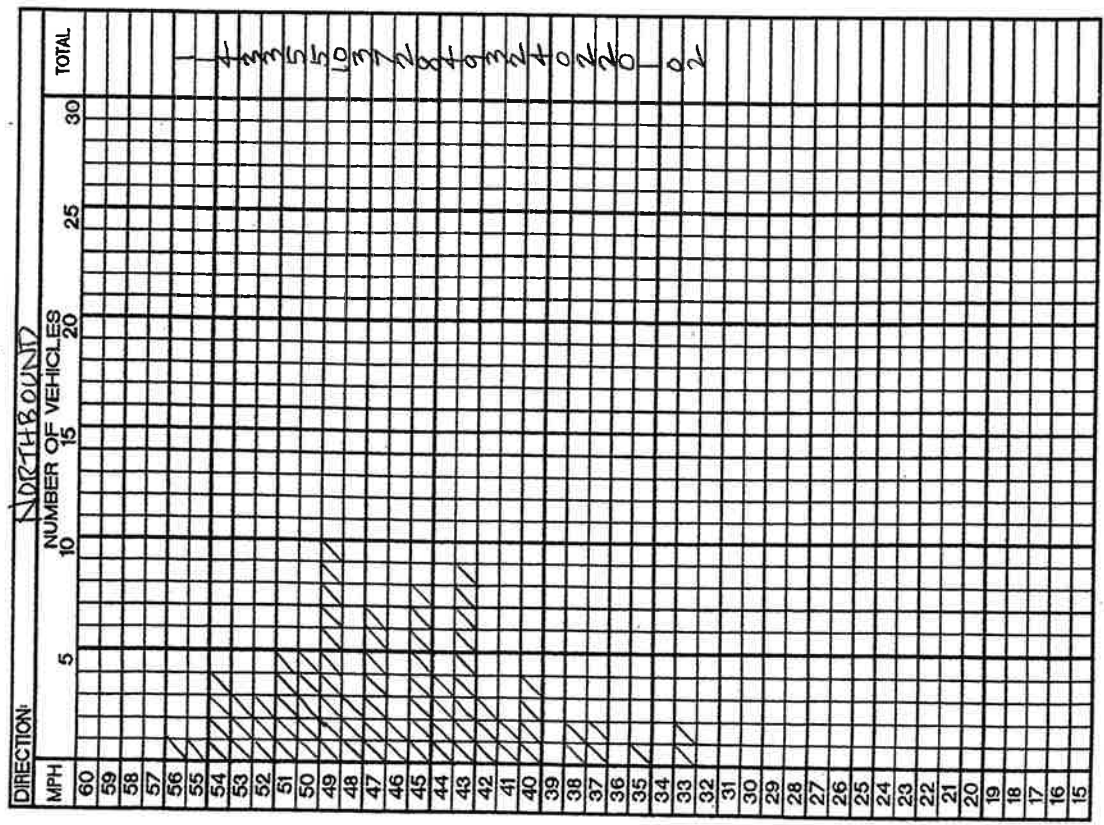
85th PERCENTILE SPEED: 51.2 MPH
 MEDIAN SPEED: 46.2 MPH
 15th PERCENTILE SPEED: 40.6 MPH

Radar Speed Survey Field Sheet

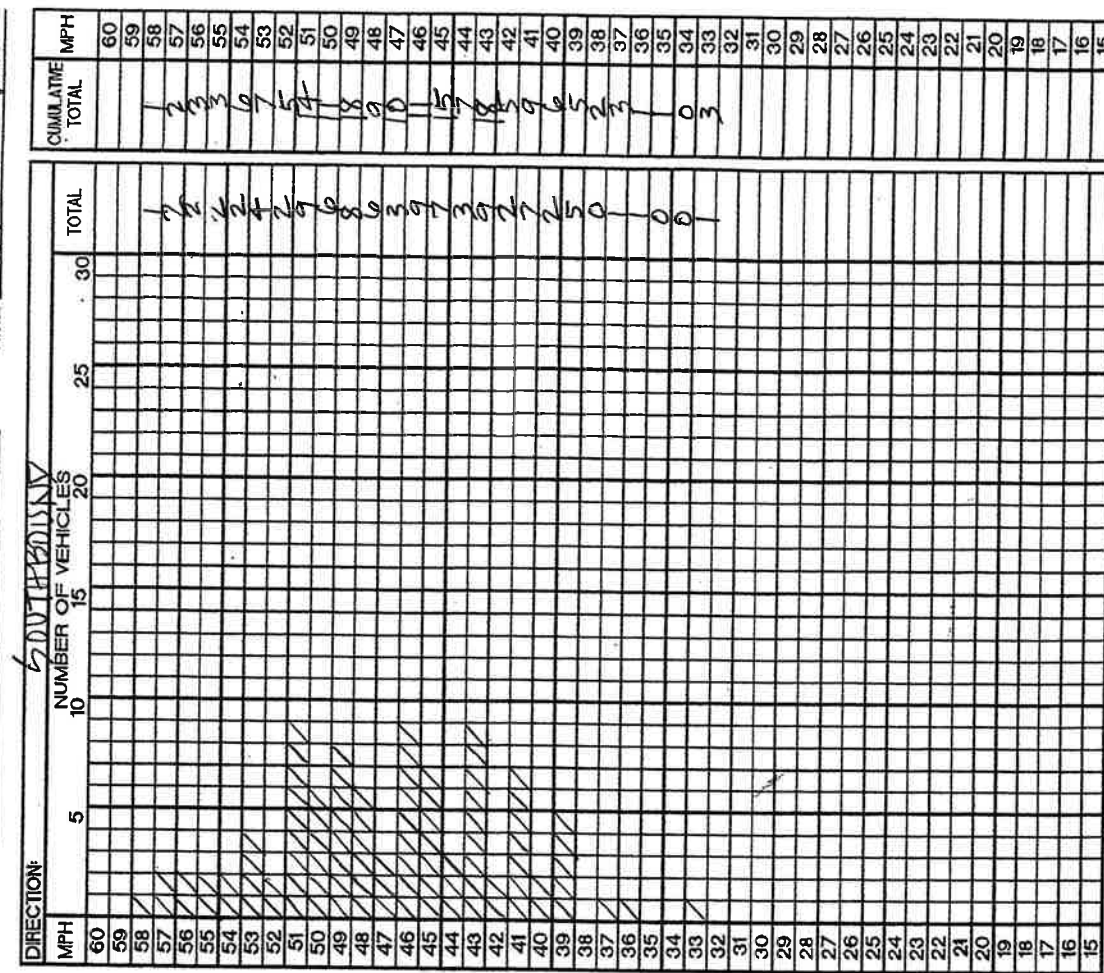
HARTZOG AND CRABILL INC.
 Consulting Traffic Engineers
 1799 Irvine Blvd., Suite 127 Irvine CA 92619
 (714) 231-9905

AGENCY: CITY OF LAGUNA HILLS
 STREET: MOULTON PARKWAY
 LOCATION: N.C.L. (N/O GLENWOOD) TO VIA LOMAS

WEATHER: SUNNY DATE: 01-24-2020
 ROAD CONDITION: DRY START TIME: 2:00 PM
 OBSERVER: CATHY BUENDIA END TIME: 2:45 PM VLM



AVERAGE SPEED: _____ PACE SPEED: _____
 CRITICAL SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____



AVERAGE SPEED: _____ PACE SPEED: _____
 CRITICAL SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



MOULTON PARKWAY

VIA LOMAS TO LA PAZ RD

DATE: 1/29/2020

SURVEY BY: C. BUENDIA

TIME: 2:30 PM - 3:00 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	SOUTH OF ALICIA
DATE OF SURVEY	1/29/2020
85th PERCENTILE	47.3 MPH
10 MPH PACE	37 - 46 MPH
PERCENT IN PACE	66.7 %
POSTED SPEED LIMIT	45 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	3
TOTAL ACCIDENTS	11
ANNUAL ACCIDENT RATE	1.50 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.28 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	24,700
LANE CONFIGURATION	3 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - VIA LOMAS / ALICIA / LA PAZ
CROSSWALKS	AT VIA LOMAS / ALICIA / LA PAZ
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	YES
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	BIKE ROUTE / BUS STOPS

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.60
VERTICAL CURVE	GRADUAL UP-DOWNHILL GRADES
HORIZONTAL CURVE	GRADUAL "C" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / FEW
STREET LIGHTING	YES
OTHER	RAISED MEDIAN ISLAND NARROW SHOULDERS

ADJACENT LAND USE	RESIDENTIAL (NF) / COMMERCIAL
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RECOMMENDED SPEED LIMIT	45 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended 45 mph speed limit is within 2.3 mph of the 85th percentile speed and meets CVC standards.

File: Moulton 2020-38

RADAR SPEED DISTRIBUTION SHEET

CITY OF LAGUNA HILLS



MOULTON PARKWAY

DATE: 1/29/2020

TIME: 2:30 PM - 3:00 PM

VIA LOMAS TO LA PAZ RD

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	99.4%
55					X	98.7%
54					X	98.7%
53					X	97.5%
52					X	96.9%
51					X	95.0%
50					X	91.2%
49					X	89.3%
48					X	86.8%
47					X	84.3%
46					X	80.5% }PACE
45				X		70.4% }PACE
44			X			61.0% }PACE
43			X			52.2% }PACE
42			X			47.2% }PACE ---MEAN
41			X			40.3% }PACE
40			X			32.7% }PACE
39		X				27.0% }PACE
38		X				22.6% }PACE
37		X				18.2% }PACE
36	X					13.8% ---15PCT
35	X					8.8%
34	X					6.3%
33	X					5.7%
32	X					4.4%
31	X					1.3%
30	X					0.6%
29	X					0.6%
28	X					0.0%
27	X					0.0%
26	X					0.0%
25	X					0.0%
24	X					0.0%
23	X					0.0%
22	X					0.0%
21	X					0.0%
20	X					0.0%
19	X					0.0%
18	X					0.0%
17	X					0.0%
16	X					0.0%
15	X					0.0%

UPPER LIMIT 10 MPH PACE: 46 MPH
 LOWER LIMIT 10 MPH PACE: 37 MPH
 PERCENT OVER PACE: 19.5 %
 PERCENT IN PACE: 66.7 %
 PERCENT UNDER PACE: 13.8 %

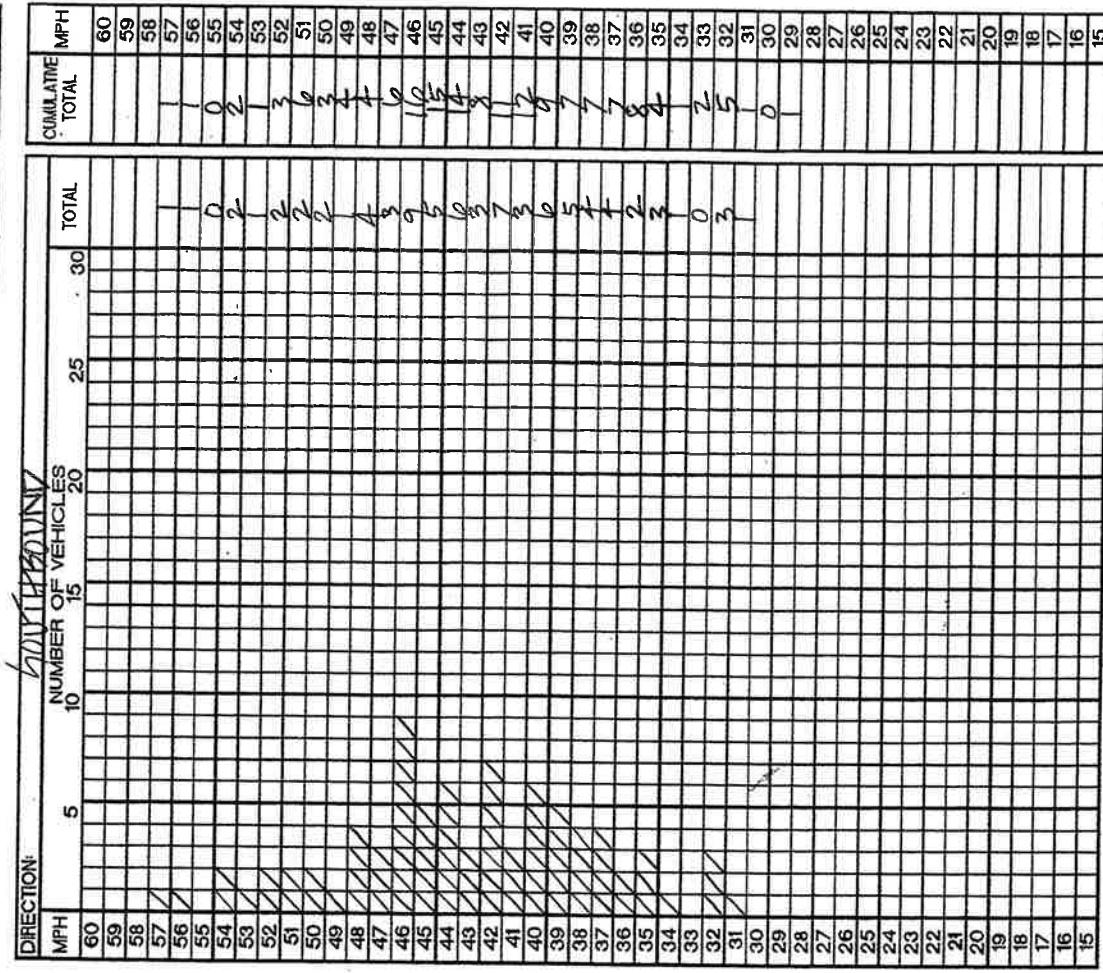
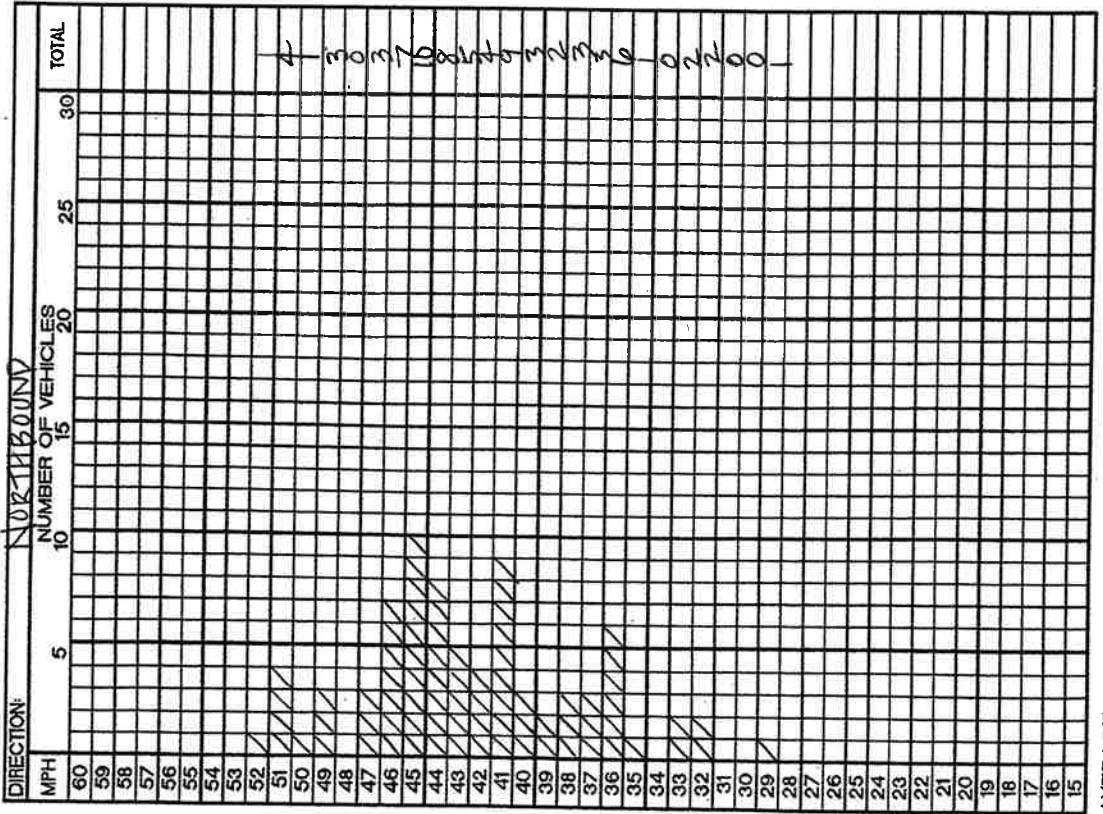
85th PERCENTILE SPEED: 47.3 MPH
 MEDIAN SPEED: 42.6 MPH
 15th PERCENTILE SPEED: 36.3 MPH

Radars Speed Survey Field Sheet

HARTZOG AND CRABILL INC.
COUNTY STATE LABORATORY
11501 Loma Blvd, Suite 103, Escondido, CA 92026
(714) 741-9455

AGENCY: CITY OF LAGUNA HILLS
STREET: MOULTON PARKWAY
LOCATION: VIA LOMAS TO LA PAZ RD

WEATHER: SUNNY DATE: 01-29-2020
ROAD CONDITION: DRY START TIME: 2:30 PM
OBSERVER: CATHY BUENDIA END TIME: 3:00 PM 1/19



AVERAGE SPEED: _____ CRITICAL SPEED: _____
CUMULATIVE (BOTH DIRECTIONS) _____

AVERAGE SPEED: _____ CRITICAL SPEED: _____
PACE SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



MOULTON PARKWAY

LA PAZ RD TO I-73 FREEWAY

DATE: 1/29/2020
 TIME: 3:00 PM - 3:40 PM

SURVEY BY: C. BUENDIA
 CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	SOUTH OF LA PAZ
DATE OF SURVEY	1/29/2020
85th PERCENTILE	46.3 MPH
10 MPH PACE	37 - 46 MPH
PERCENT IN PACE	71.5 %
POSTED SPEED LIMIT	45 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	1
TOTAL ACCIDENTS	15
ANNUAL ACCIDENT RATE	0.50 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.09 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	22,600
LANE CONFIGURATION	3 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - LA PAZ / OSO PKWY / NELLIE GAIL
CROSSWALKS	AT LA PAZ / OSO PKWY / NELLIE GAIL
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	YES
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	BIKE ROUTE / BUS STOP CUT OUTS

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.65
VERTICAL CURVE	MODERATE UP-DOWNHILL GRADES
HORIZONTAL CURVE	SLIGHT "C" CURVE
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE (areas of slight)
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / NO (NB) - YES / YES (SB)
STREET LIGHTING	YES
OTHER	RAISED MEDIAN ISLAND NARROW SHOULDERS

ADJACENT LAND USE	RESIDENTIAL (NF)
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RECOMMENDED SPEED LIMIT	45 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
 The recommended 45 mph speed limit is within 1.3 mph of the 85th percentile speed and meets CVC standards.

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

MOULTON PARKWAY

DATE: 1/29/2020

TIME: 3:00 PM - 3:40 PM

LA PAZ RD TO I-73 FREEWAY

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	100.0%
53					X	100.0%
52					X	100.0%
51					X	99.4%
50					X	96.8%
49					X	92.4%
48					X	90.5%
47					X	87.3%
46					X	84.2% }PACE ---85PCT
45					X	80.4% }PACE
44					X	70.9% }PACE
43					X	65.2% }PACE
42					X	59.5% }PACE
41					X	51.9% }PACE
40					X	45.6% }PACE ---MEAN
39					X	33.5% }PACE
38					X	25.3% }PACE
37					X	19.0% }PACE
36					X	12.7% ---15PCT
35					X	8.9%
34					X	5.1%
33					X	2.5%
32					X	1.9%
31					X	0.6%
30					X	0.0%
29					X	0.0%
28					X	0.0%
27					X	0.0%
26					X	0.0%
25					X	0.0%
24					X	0.0%
23					X	0.0%
22					X	0.0%
21					X	0.0%
20					X	0.0%
19					X	0.0%
18					X	0.0%
17					X	0.0%
16					X	0.0%
15					X	0.0%

UPPER LIMIT 10 MPH PACE: 46 MPH
 LOWER LIMIT 10 MPH PACE: 37 MPH
 PERCENT OVER PACE: 19.6 %
 PERCENT IN PACE: 71.5 %
 PERCENT UNDER PACE: 12.7 %

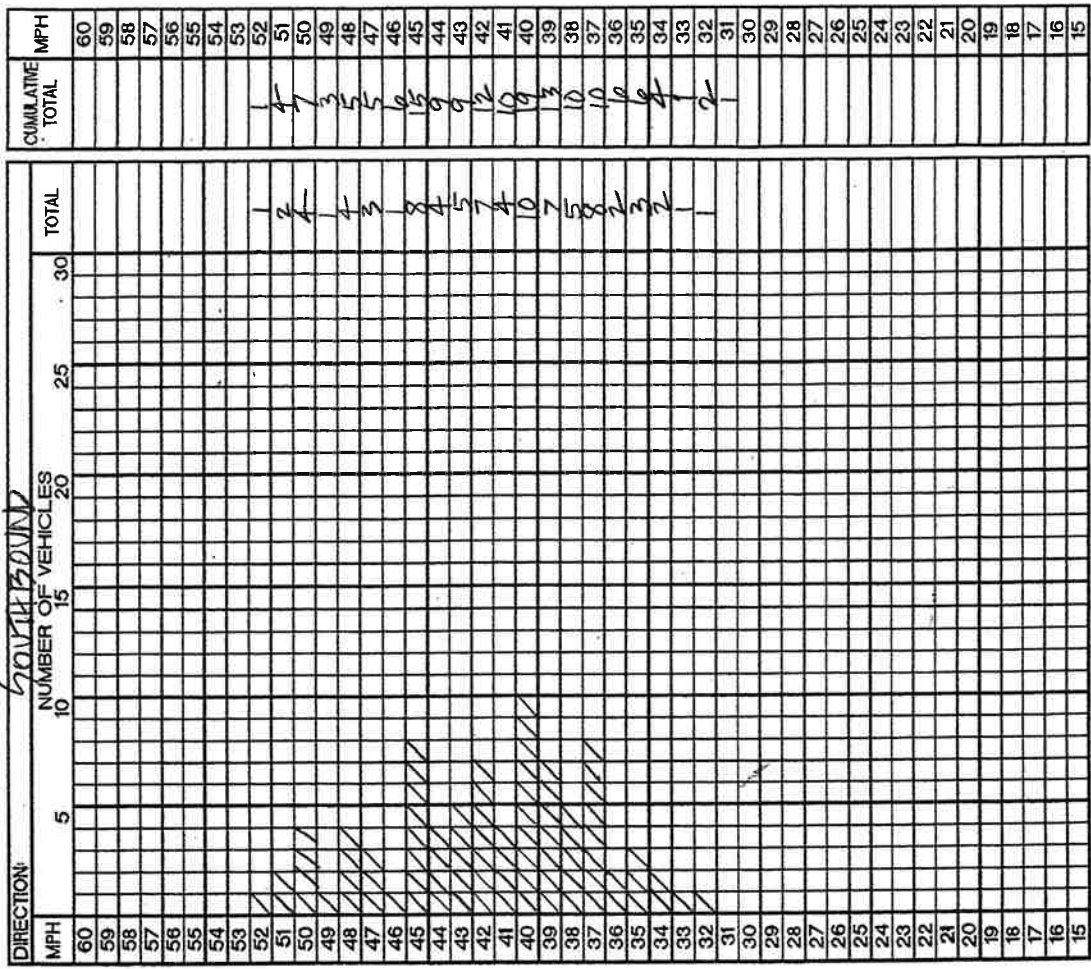
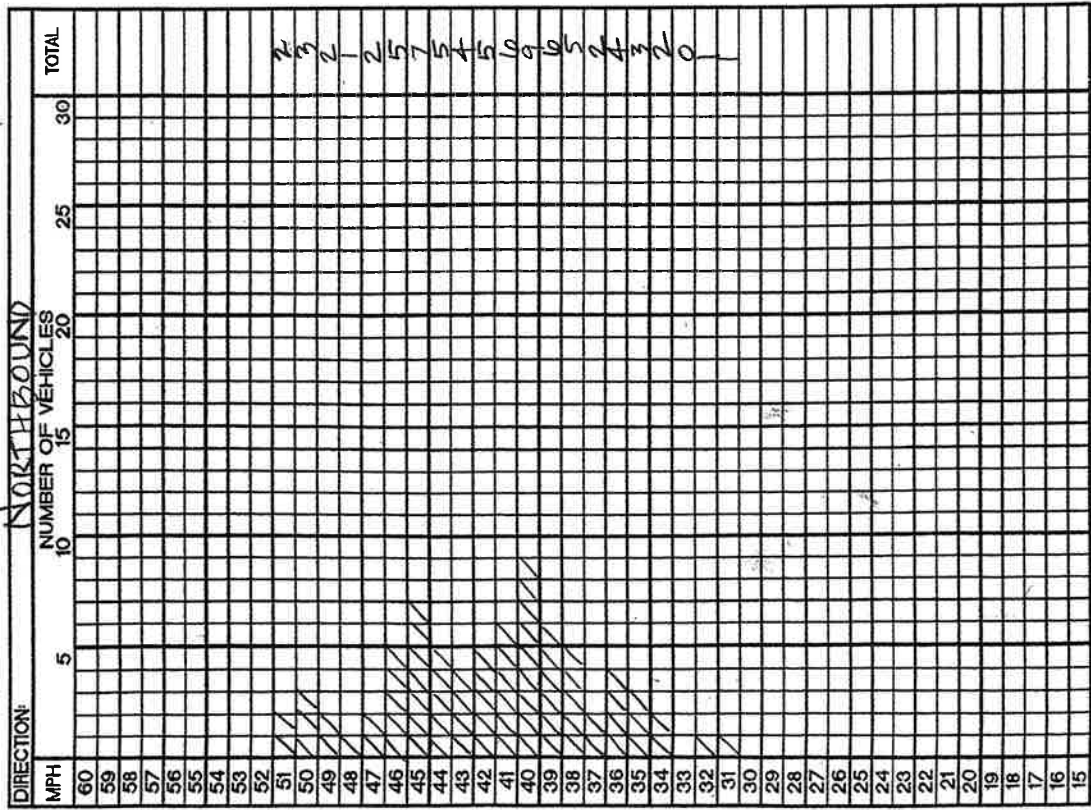
85th PERCENTILE SPEED: 46.3 MPH
 MEDIAN SPEED: 40.7 MPH
 15th PERCENTILE SPEED: 36.4 MPH

HARTZOG AND CRABELL INC.
 Consulting Traffic Engineers
 17221 Lake Blvd., Suite 127, Lake CA 92650
 (714) 331-7025

Radar Speed Survey Field Sheet

AGENCY: CITY OF LAGUNA HILLS
 STREET: MDALTON PARKWAY
 LOCATION: LA PAZ RD TO I-73 FWY

WEATHER: SUNNY DATE: 01-29-2020
 ROAD CONDITION: DRY START TIME: 3:00 PM
 OBSERVER: CATHY BUENDIA END TIME: 3:40 PM 10A



AVERAGE SPEED: _____ PACE SPEED: _____
 CRITICAL SPEED: _____ CRITICAL SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



NELLIE GAIL ROAD

BRIDLEWOOD DR TO DAPPLE GREY (N)

DATE: 3/16/2020

SURVEY BY: C. BUENDIA

TIME: 12:00 PM - 1:00 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	NORTH OF HOUSTON TRAIL
DATE OF SURVEY	3/16/2020
85th PERCENTILE	30.3 MPH
10 MPH PACE	23 - 32 MPH
PERCENT IN PACE	81.7 %
POSTED SPEED LIMIT	25 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	0
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	900
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	STOP - BRIDLEWOOD
CROSSWALKS	NONE
PEDESTRIAN/BICYCLES	FEW / FEW
TRUCK TRAFFIC	NO
ON-STREET PARKING	YES
OTHER	SEVERAL EQUESTRIAN TRAILS AND CROSSINGS

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.22
VERTICAL CURVE	GRADUAL - MODERATE UP-DOWNHILL GRADES
HORIZONTAL CURVE	SEVERAL MODERATE "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE (areas of fair)
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / YES (many)
STREET LIGHTING	YES
OTHER	

ADJACENT LAND USE	RESIDENTIAL (F)
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RECOMMENDED SPEED LIMIT	25 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
 This portion of Nellie Gail Road is a two lane roadway. The posted speed is 25 mph. The speed study results show an 85th percentile speed of 30.3 mph and a 10 mph pace range of 23 to 32 mph. Although the speed data suggests a higher speed, but with the existing conditions of frequent driveways, equestrian trails and crossing, and the several areas of limited sight distance due to the horizontal and vertical curves. With that, it is recommended that the exiting 25 mph remain.

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

NELLIE GAIL ROAD

DATE: 3/16/2020

TIME: 12:00 PM - 1:00 PM

BRIDLEWOOD DR TO DAPPLE GREY (N)

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	100.0%
53					X	100.0%
52					X	100.0%
51					X	100.0%
50					X	100.0%
49					X	100.0%
48					X	100.0%
47					X	100.0%
46					X	100.0%
45					X	100.0%
44					X	100.0%
43					X	100.0%
42					X	100.0%
41					X	100.0%
40					X	100.0%
39					X	100.0%
38					X	100.0%
37					X	98.3%
36					X	96.7%
35					X	95.8%
34					X	93.3%
33					X	91.7%
32					X	90.8% }PACE
31					X	88.3% }PACE
30					X	83.3% }PACE -- 85PCT
29				X		75.0% }PACE
28			X			67.5% }PACE
27			X			56.7% }PACE
26		X				45.0% }PACE ---MEAN
25		X				31.7% }PACE
24		X				16.7% }PACE
23	X					10.8% }PACE ---15PCT
22	X					9.2%
21	X					6.7%
20	X					5.8%
19	X					3.3%
18	X					1.7%
17	X					1.7%
16	X					0.8%
15	X					0.8%

UPPER LIMIT 10 MPH PACE: 32 MPH
 LOWER LIMIT 10 MPH PACE: 23 MPH
 PERCENT OVER PACE: 11.7 %
 PERCENT IN PACE: 81.7 %
 PERCENT UNDER PACE: 9.2 %

85th PERCENTILE SPEED: 30.3 MPH
 MEDIAN SPEED: 26.4 MPH
 15th PERCENTILE SPEED: 23.7 MPH

Radar Speed Survey Field Sheet



WEATHER: SUNNY DATE: 03-16-2020
 ROAD CONDITION: DRY START TIME: 12:00 PM
 OBSERVER: Cathy Buendia END TIME: 1:00 PM VAC

AGENCY: CITY OF LAGUNA HILLS
 STREET: NELLIE GAIL ROAD
 LOCATION: BRIDLEWOOD DR. TO APPLE GIREY (N)

DIRECTION: SOUTHBOUND

MPH	5	10	15	20	25	30	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							
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35							
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23							
22							
21							
20							
19							
18							
17							
16							
15							

DIRECTION: NORTHBOUND

MPH	5	10	15	20	25	30	TOTAL
60							
59							
58							
57							
56							
55							
54							
53							
52							
51							
50							
49							
48							
47							
46							
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19							
18							
17							
16							
15							

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



NELLIE GAIL ROAD

DAPPLE GREY (N) TO OSO PKWY

DATE: 3/16/2020
 TIME: 1:00 PM - 1:45 PM

SURVEY BY: C. BUENDIA
 CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	SOUTH OF BUCKSKIN
DATE OF SURVEY	3/16/2020
85th PERCENTILE	34.2 MPH
10 MPH PACE	27 - 36 MPH
PERCENT IN PACE	86.4 %
POSTED SPEED LIMIT	30 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	0
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	900
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - OSO PKWY
CROSSWALKS	AT OSO PKWY
PEDESTRIAN/BICYCLES	FEW / NO
TRUCK TRAFFIC	NO
ON-STREET PARKING	YES
OTHER	AREAS OF NO STOPPING ANYTIME EQUESTRIAN TRAILS

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.47
VERTICAL CURVE	CONSTANT GRADUAL-MODERATE UPHILL GRADE (NB)
HORIZONTAL CURVE	CONTINUOUS MODERATE "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / FEW
STREET LIGHTING	YES
OTHER	SOLID DBL YELLOW CENTERLINE / RAISED MEDIAN ISLAND (at Oso) WATCH DOWNHILL SPEEDS

ADJACENT LAND USE	RESIDENTIAL (NF)
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RECOMMENDED SPEED LIMIT	30 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
 The recommended 30 mph speed limit is within 4.2 mph of the 85th percentile speed and meets CVC standards.

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

NELLIE GAIL ROAD

DATE: 3/16/2020

TIME: 1:00 PM - 1:45 PM

DAPPLE GREY (N) TO OSO PKWY

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	100.0%
53					X	100.0%
52					X	100.0%
51					X	100.0%
50					X	100.0%
49					X	100.0%
48					X	100.0%
47					X	100.0%
46					X	100.0%
45					X	100.0%
44					X	100.0%
43					X	100.0%
42					X	100.0%
41					X	100.0%
40					X	100.0%
39					X	99.0%
38					X	98.1%
37					X	96.1%
36					X	93.2% }PACE
35					X	90.3% }PACE
34					X	83.5% }PACE ---85PCT
33				X	X	76.7% }PACE
32				X	X	66.0% }PACE
31			X	X	X	55.3% }PACE
30			X	X	X	40.8% }PACE ---MEAN
29		X	X	X	X	28.2% }PACE
28		X	X	X	X	20.4% }PACE
27		X	X	X	X	11.7% }PACE ---15PCT
26	X	X	X	X	X	6.8%
25	X	X	X	X	X	6.8%
24	X	X	X	X	X	2.9%
23	X	X	X	X	X	2.9%
22	X	X	X	X	X	1.0%
21	X	X	X	X	X	0.0%
20	X	X	X	X	X	0.0%
19	X	X	X	X	X	0.0%
18	X	X	X	X	X	0.0%
17	X	X	X	X	X	0.0%
16	X	X	X	X	X	0.0%
15	X	X	X	X	X	0.0%

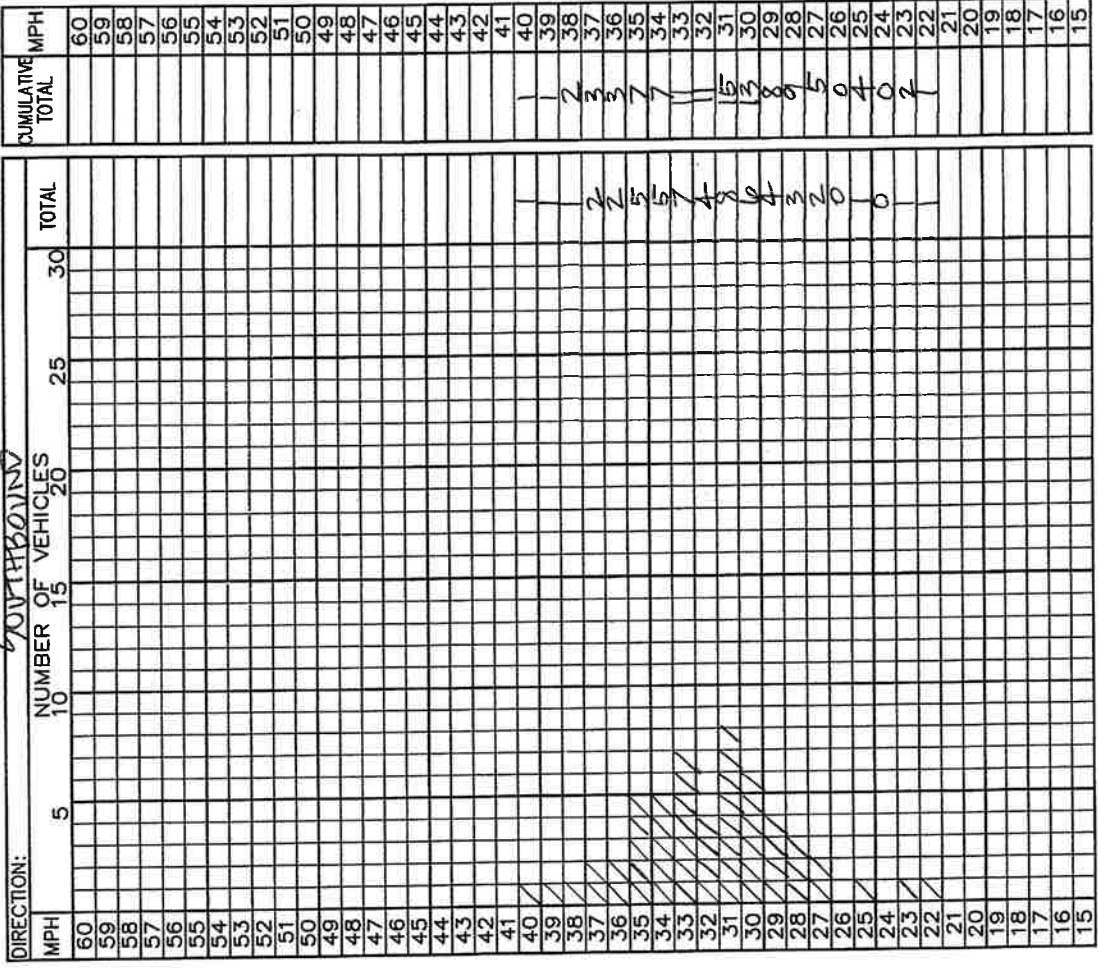
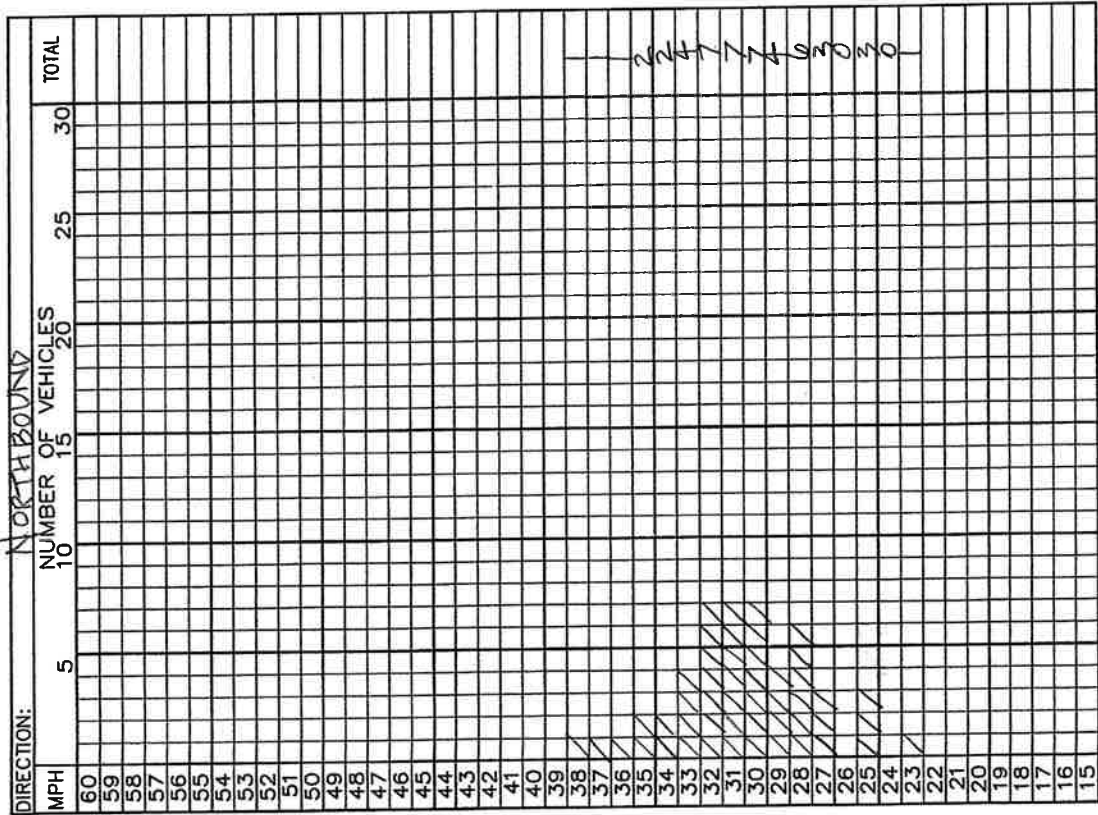
UPPER LIMIT 10 MPH PACE: 36 MPH
 LOWER LIMIT 10 MPH PACE: 27 MPH
 PERCENT OVER PACE: 6.8 %
 PERCENT IN PACE: 86.4 %
 PERCENT UNDER PACE: 6.8 %

85th PERCENTILE SPEED: 34.2 MPH
 MEDIAN SPEED: 30.6 MPH
 15th PERCENTILE SPEED: 27.4 MPH

Radar Speed Survey Field Sheet



AGENCY: CITY OF LAKEWANA HILLS DATE: 03-16-2020
 STREET: NELLIE GAIL ROAD START TIME: 1:00 PM
 LOCATION: DAPPLE GREY (N) TO OSO PAVY END TIME: 1:45 PM 1/42
 WEATHER: SUNNY
 ROAD CONDITION: DRY
 OBSERVER: Cathy Buendia



AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



NELLIE GAIL ROAD

OSO PKWY TO HIDDEN TRAIL RD

DATE: 3/16/2020
 TIME: 2:15 PM - 3:00 PM

SURVEY BY: C. BUENDIA
 CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	NORTH OF EMPTY SADDLE
DATE OF SURVEY	3/16/2020
85th PERCENTILE	29.9 MPH
10 MPH PACE	23 - 32 MPH
PERCENT IN PACE	82.8 %
POSTED SPEED LIMIT	25 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	0
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	2,500
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - OSO PKWY
CROSSWALKS	AT OSO PKWY / EMPTY SADDLE (Equestrian xing)
PEDESTRIAN/BICYCLES	FEW / NO
TRUCK TRAFFIC	NO
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.32
VERTICAL CURVE	MODERATE UPHILL GRADE (SB)
HORIZONTAL CURVE	SEVERAL MODERATE "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / NO (NB) - NO / NO (SB)
STREET LIGHTING	YES
OTHER	PARTIAL MEDIAN ISLAND & DBL YELLOW CENTERLINE

ADJACENT LAND USE	RESIDENTIAL (NF) / EQUESTRIAN CENTER
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RECOMMENDED SPEED LIMIT	25 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
 This section of Nellie Gail Road is a two lane roadway. Field observations include 100% residential with heavy driveways, equestrian crossings, moderate to sweeping roadway curves, and several areas of limited sight distance. With that it is recommended that the existing 25 mph speed limit be maintained.

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

NELLIE GAIL ROAD

DATE: 3/16/2020

TIME: 2:15 PM - 3:00 PM

OSO PKWY TO HIDDEN TRAIL RD

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 100.0%
58						X 100.0%
57						X 100.0%
56						X 100.0%
55						X 100.0%
54						X 100.0%
53						X 100.0%
52						X 100.0%
51						X 100.0%
50						X 100.0%
49						X 100.0%
48						X 100.0%
47						X 100.0%
46						X 100.0%
45						X 100.0%
44						X 100.0%
43						X 100.0%
42						X 100.0%
41						X 100.0%
40						X 100.0%
39						X 100.0%
38						X 100.0%
37						X 100.0%
36						X 100.0%
35						X 100.0%
34						X 98.3%
33						X 96.6%
32						X 94.8% }PACE
31						X 91.4% }PACE
30						X 85.3% }PACE
29						X 79.3% }PACE ---85PCT
28						X 70.7% }PACE
27						X 62.9% }PACE
26						X 52.6% }PACE
25						X 43.1% }PACE ---MEAN
24						X 30.2% }PACE
23						X 22.4% }PACE
22						X 12.1% ---15PCT
21						X 8.6%
20						X 4.3%
19						X 1.7%
18						X 0.9%
17						X 0.9%
16						X 0.9%
15						X 0.0%

UPPER LIMIT 10 MPH PACE: 32 MPH
 LOWER LIMIT 10 MPH PACE: 23 MPH
 PERCENT OVER PACE: 8.6 %
 PERCENT IN PACE: 82.8 %
 PERCENT UNDER PACE: 12.1 %

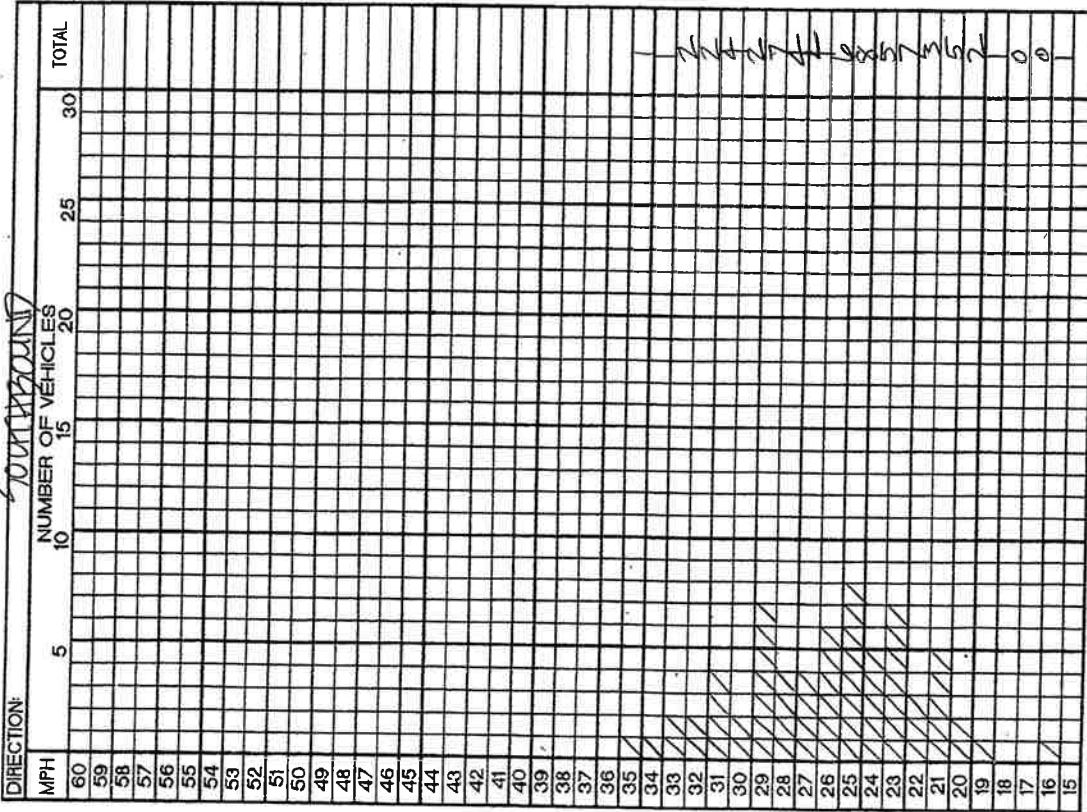
85th PERCENTILE SPEED: 29.9 MPH
 MEDIAN SPEED: 25.7 MPH
 15th PERCENTILE SPEED: 22.3 MPH

Radar Speed Survey Field Sheet

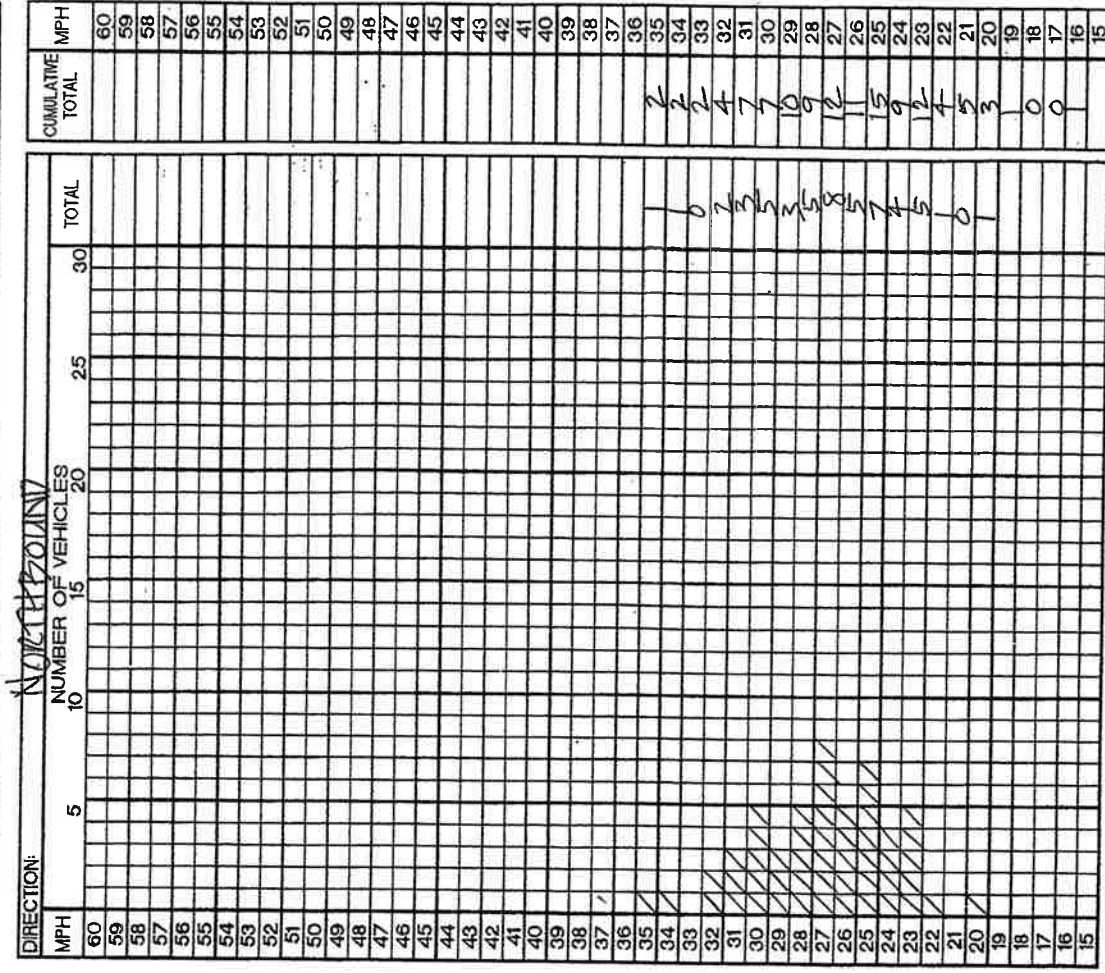
HARTZOG AND CRABILL, INC.

AGENCY: CITY OF LAFAYETTE HILLS
 STREET: NELLIE GAIL ROAD
 LOCATION: 050 RWY TO HIDDEN TRAIL RD

WEATHER: PARTIALLY CLOUDY / SUNNY DATE: 03-16-2022
 ROAD CONDITION: DRY START TIME: 2:15 PM
 OBSERVER: CATHY BUENDIA END TIME: 3:00 PM



AVERAGE SPEED: _____ PACE SPEED: _____
 CRITICAL SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____



AVERAGE SPEED: _____ PACE SPEED: _____
 CRITICAL SPEED: _____
 CUMULATIVE TOTAL _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



NELLIE GAIL ROAD

LOST COLT TO MOULTON PKWY

DATE: 3/16/2020

SURVEY BY: C. BUENDIA

TIME: 3:30 PM - 4:30 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	WEST OF LOST COLT
DATE OF SURVEY	3/16/2020
85th PERCENTILE	32.2 MPH
10 MPH PACE	23 - 32 MPH
PERCENT IN PACE	76.6 %
POSTED SPEED LIMIT	30 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	0
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	1,300
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - MOULTON
CROSSWALKS	AT MOULTON
PEDESTRIAN/BICYCLES	FEW / NO
TRUCK TRAFFIC	NO
ON-STREET PARKING	NO
OTHER	

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.10
VERTICAL CURVE	MODERATE UPHILL GRADE (EB)
HORIZONTAL CURVE	GRADUAL "C" CURVE
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	NO / NO
STREET LIGHTING	YES
OTHER	RAISED MEDIAN ISLAND NO SHOULDERS

ADJACENT LAND USE	RESIDENTIAL (NF) / ENTRANCE
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RECOMMENDED SPEED LIMIT	30 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended 30 mph speed limit is within 2.2 mph of the 85th percentile speed and meets CVC standards.

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

NELLIE GAIL ROAD

DATE: 3/16/2020

TIME: 3:30 PM - 4:30 PM

LOST COLT TO MOULTON PKWY

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	100.0%
53					X	100.0%
52					X	100.0%
51					X	100.0%
50					X	100.0%
49					X	100.0%
48					X	100.0%
47					X	100.0%
46					X	100.0%
45					X	100.0%
44					X	100.0%
43					X	100.0%
42					X	100.0%
41					X	100.0%
40					X	100.0%
39					X	97.6%
38					X	97.6%
37					X	97.6%
36					X	96.8%
35					X	94.4%
34					X	91.9%
33					X	89.5%
32					X	83.9% }PACE ---85PCT
31					X	82.3% }PACE
30					X	78.2% }PACE
29					X	66.9% }PACE
28					X	58.9% }PACE
27					X	47.6% }PACE ---MEAN
26					X	37.1% }PACE
25					X	28.2% }PACE
24					X	19.4% }PACE
23					X	14.5% }PACE ---15PCT
22					X	7.3%
21					X	5.6%
20					X	4.0%
19					X	0.8%
18					X	0.0%
17					X	0.0%
16					X	0.0%
15					X	0.0%

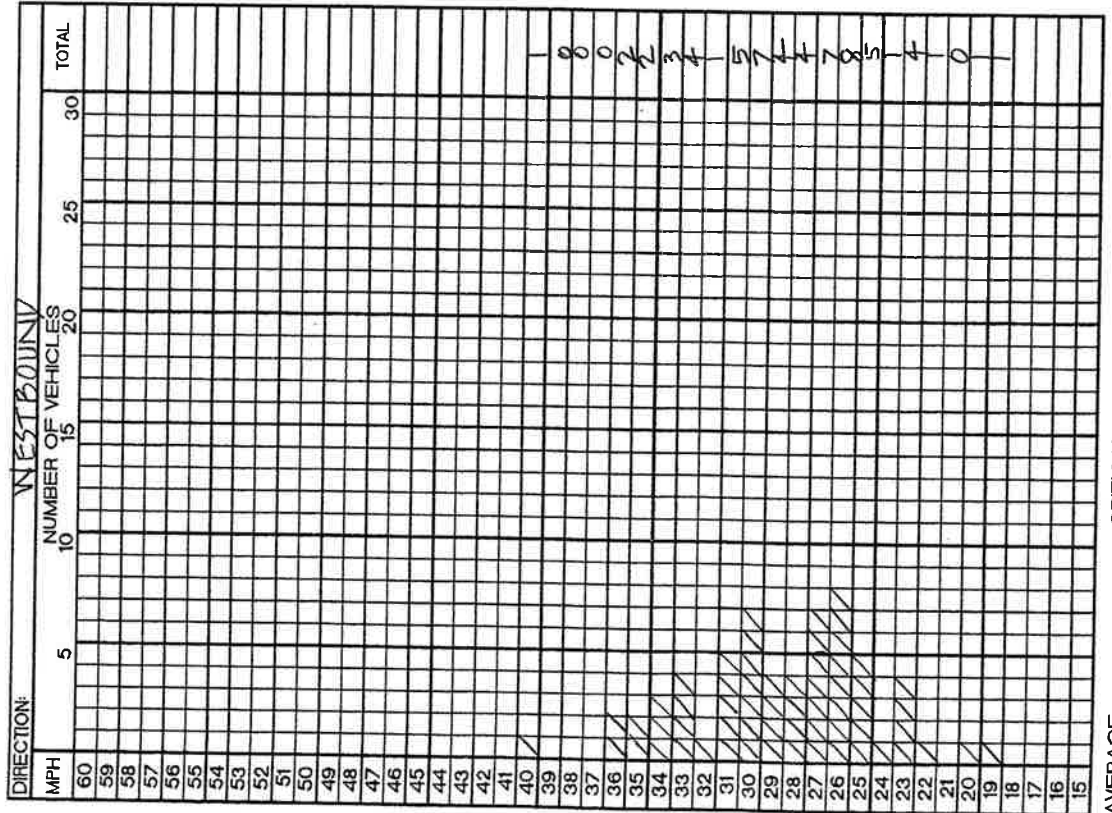
UPPER LIMIT 10 MPH PACE: 32 MPH
 LOWER LIMIT 10 MPH PACE: 23 MPH
 PERCENT OVER PACE: 17.7 %
 PERCENT IN PACE: 76.6 %
 PERCENT UNDER PACE: 7.3 %

85th PERCENTILE SPEED: 32.2 MPH
 MEDIAN SPEED: 27.2 MPH
 15th PERCENTILE SPEED: 23.1 MPH

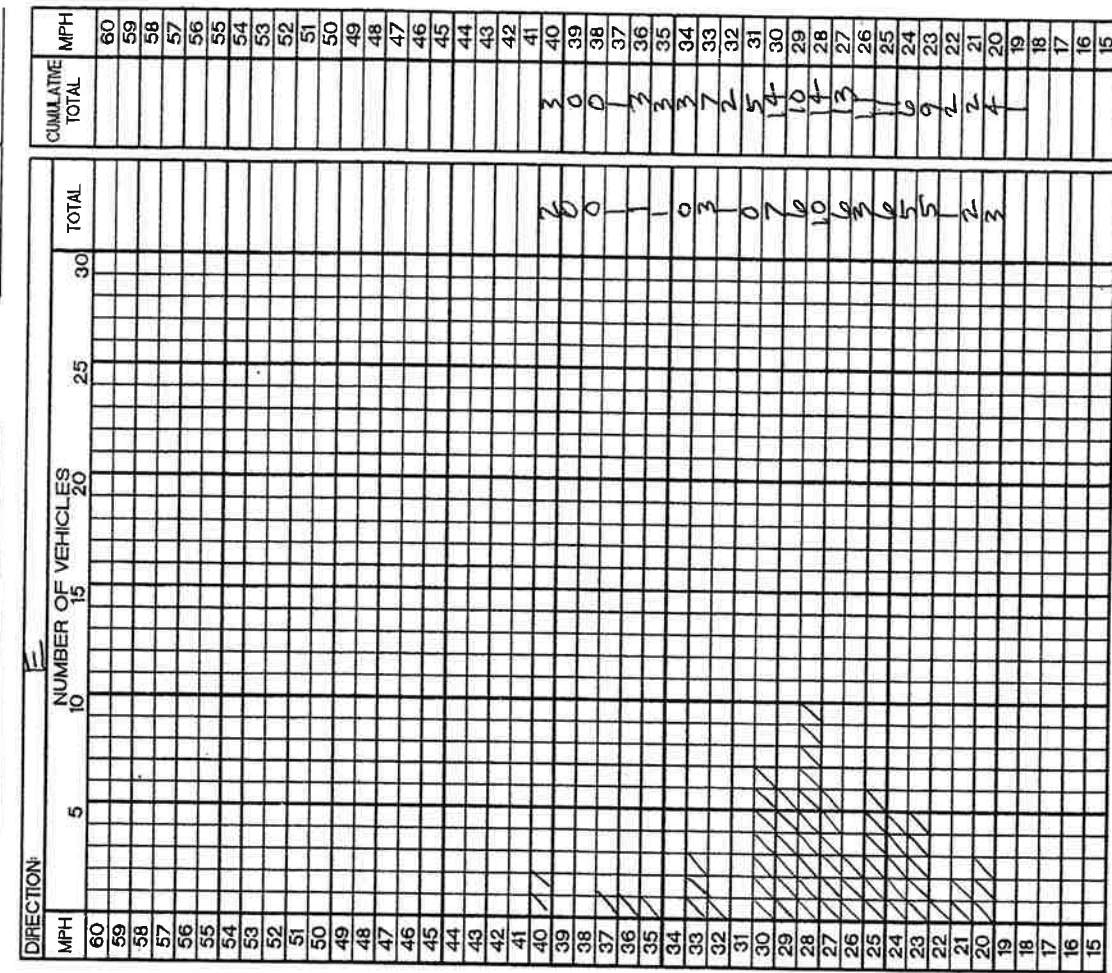
Radar Speed Survey Field Sheet

HARTZOG AND CRABILL INC.
 Consulting Traffic Engineers
 1522 Wynn Blvd., Suite 102, Middle VA, 22180
 (703) 531-5402

AGENCY: CITY OF LAGUNA HILLS DATE: 03-16-2020
 STREET: NEULJE-GAIL ROAD ROAD CONDITION: DRY START TIME: 3:30 PM
 LOCATION: LOST COLT TO MOULTON PKWY OBSERVER: CATHY BUENDIA END TIME: 4:30 PM



AVERAGE SPEED: _____ PACE SPEED: _____
 CRITICAL SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____



AVERAGE SPEED: _____ PACE SPEED: _____
 CRITICAL SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



OSO PARKWAY

WEST CITY LIMITS TO MOULTON PKWY

DATE: 2/12/2020
TIME: 11:45 AM - 12:30 PM

SURVEY BY: C. BUENDIA
CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	WEST OF MOULTON
DATE OF SURVEY	2/12/2020
85th PERCENTILE	46.9 MPH
10 MPH PACE	39 - 48 MPH
PERCENT IN PACE	73.1 %
POSTED SPEED LIMIT	45 MPH (WB)

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	1
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	28,100
LANE CONFIGURATION	3 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - MOULTON / MAREBLU
CROSSWALKS	AT MOULTON
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	YES
ON-STREET PARKING	NO PARKING ANYTIME
OTHER	DESIGNATED BIKE LANES
	BUS STOPS (EB) / SHORT DISTANCE SEGMENT, SURVEYED ON GREENS ONLY

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.13
VERTICAL CURVE	NONE
HORIZONTAL CURVE	NONE
LATERAL VISIBILITY	GOOD
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / FEW
STREET LIGHTING	YES
OTHER	RAISED MEDIAN ISLAND
	NARROW SHOULDERS

ADJACENT LAND USE	BUSINESS / COMMERCIAL / ROUTE 73 OVERPASS
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RECOMMENDED SPEED LIMIT	45 MPH
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SPEED LIMIT CHANGE	NO CHANGE - POST (EB)
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JUSTIFICATION:
The section of Oso Parkway is a six lane roadway. Adjacent land uses are commercial, business and Route 73 overpass. Field notes state this segment is a short 0.13 mile section with bus stops, painted bike lanes, narrow shoulders, no parking anytime, and has a 45 mph speed sign posted westbound only. The speed study resulted with an 85th percentile speed of 46.9 mph and a 10 mph pace range 39 to 48 mph. It is recommended that the existing 45 mph speed limit remain. For enforcement, it is recommended that a 45 mph speed sign be installed eastbound.

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

OSO PARKWAY

DATE: 2/12/2020

TIME: 11:45 AM - 12:30 PM

WEST CITY LIMITS TO MOULTON PKWY

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	99.4%
53					X	99.4%
52					X	98.9%
51					X	97.1%
50					X	97.1%
49					X	94.9%
48					X	91.4% }PACE
47					X	85.7% }PACE
46					X	80.0% }PACE ---85PCT
45					X	74.3% }PACE
44					X	64.6% }PACE
43					X	57.1% }PACE
42					X	48.6% }PACE ---MEAN
41					X	40.0% }PACE
40					X	34.3% }PACE
39					X	24.0% }PACE
38					X	18.3%
37					X	13.1% ---15PCT
36					X	9.1%
35					X	6.3%
34					X	2.9%
33					X	2.9%
32					X	1.1%
31					X	0.0%
30					X	0.0%
29					X	0.0%
28					X	0.0%
27					X	0.0%
26					X	0.0%
25					X	0.0%
24					X	0.0%
23					X	0.0%
22					X	0.0%
21					X	0.0%
20					X	0.0%
19					X	0.0%
18					X	0.0%
17					X	0.0%
16					X	0.0%
15					X	0.0%

UPPER LIMIT 10 MPH PACE: 48 MPH
 LOWER LIMIT 10 MPH PACE: 39 MPH
 PERCENT OVER PACE: 8.6 %
 PERCENT IN PACE: 73.1 %
 PERCENT UNDER PACE: 18.3 %

85th PERCENTILE SPEED: 46.9 MPH
 MEDIAN SPEED: 42.2 MPH
 15th PERCENTILE SPEED: 37.4 MPH

Radar Speed Survey Field Sheet

HARTZOG AND CRABILL INC.
Consulting Traffic Engineers
11021 Lehn Blvd., Suite 122, Irvine, CA 92618
(714) 231-4105

AGENCY: CITY OF LA SANDA HILLS

STREET: 050 PARKWAY

LOCATION: WEST CITY LIMIT TO MOUNTAIN PONY

WEATHER: SUNNY

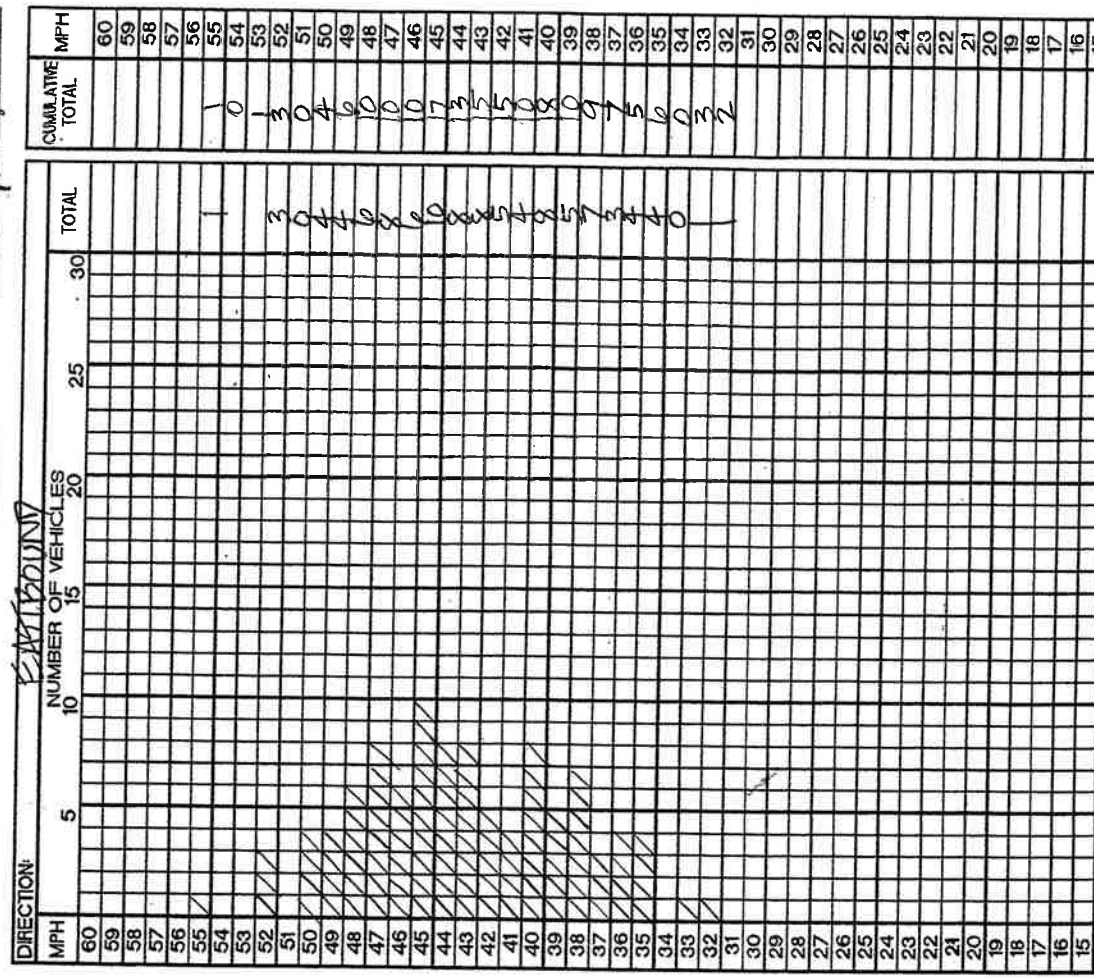
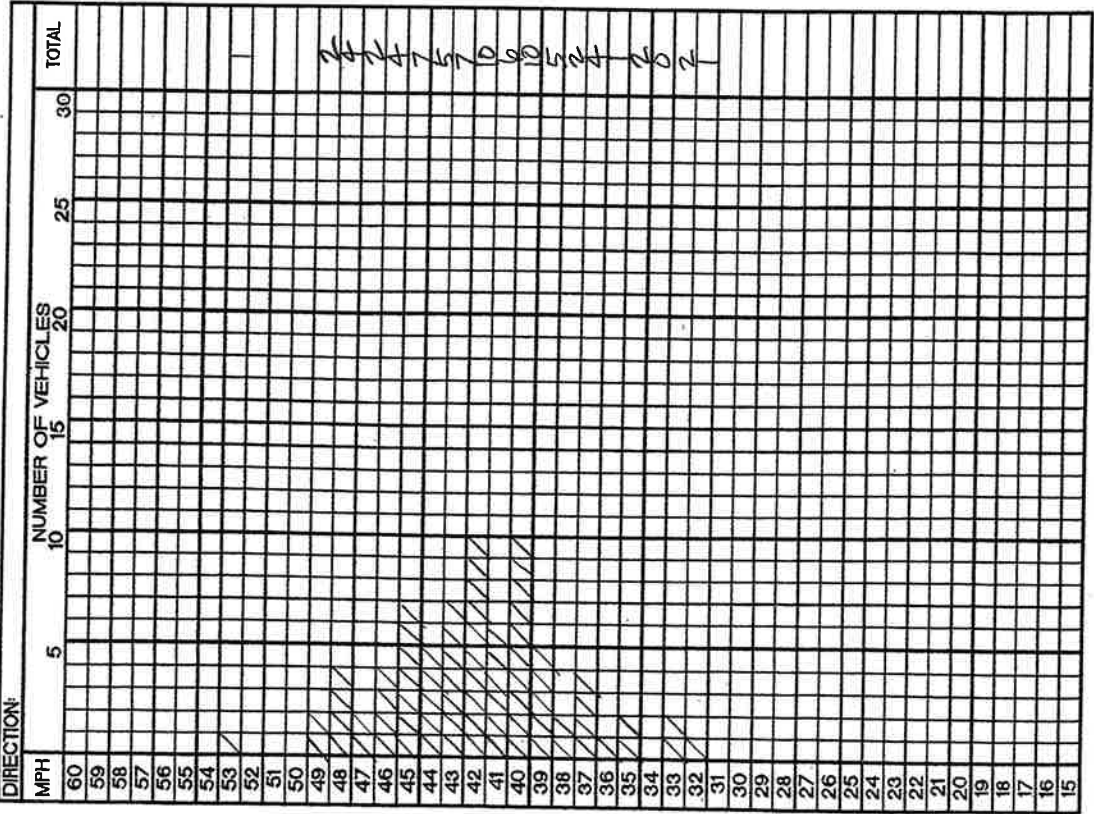
DATE: 02-12-2020

ROAD CONDITION: DRY

START TIME: 11:45 AM

OBSERVER: CATHY BUENDIA

END TIME: 12:30 PM



AVERAGE SPEED: _____ PACE SPEED: _____
 CRITICAL SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS): _____

AVERAGE SPEED: _____ PACE SPEED: _____
 CRITICAL SPEED: _____
 CUMULATIVE TOTAL: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



OSO PARKWAY

MOULTON PKWY TO NELLIE GAIL RD

DATE: 2/12/2020
 TIME: 11:00 AM - 11:30 AM

SURVEY BY: C. BUENDIA
 CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	WEST OF NELLIE GAIL
DATE OF SURVEY	2/12/2020
85th PERCENTILE	54.8 MPH
10 MPH PACE	46 - 55 MPH
PERCENT IN PACE	66.9 %
POSTED SPEED LIMIT	50 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	4
TOTAL ACCIDENTS	8
ANNUAL ACCIDENT RATE	2.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.29 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	30,000
LANE CONFIGURATION	3 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - MOULTON / NELLIE GAIL
CROSSWALKS	AT MOULTON / NELLIE GAIL
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	YES
ON-STREET PARKING	NO PARKING ANYTIME ENTIRE BLOCK
OTHER	DESIGNATED BIKE LANES EQUESTRIAN TRAILS

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.63
VERTICAL CURVE	NONE
HORIZONTAL CURVE	GRADUAL-MODERATE "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	NO / NO
STREET LIGHTING	YES
OTHER	RAISED MEDIAN ISLAND

ADJACENT LAND USE	RESIDENTIAL (NF) / EQUESTRIAN CENTER & TRAILS
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RECOMMENDED SPEED LIMIT	50 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
 The recommended 50 mph speed limit is within 4.8 mph of the 85th percentile speed and meets CVC standards.

RADAR SPEED DISTRIBUTION SHEET

HCI CITY OF LAGUNA HILLS
 OSO PARKWAY

MOULTON PKWY TO NELLIE GAIL RD

DATE: 2/12/2020

SURVEY BY: C. BUENDIA

TIME: 11:00 AM - 11:30 AM

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 97.5%
58						X 94.5%
57						X 92.6%
56						X 89.6%
55						X 85.9% }PACE
54						X 81.0% }PACE ---85PCT
53						X 75.5% }PACE
52						X 73.6% }PACE
51						X 65.6% }PACE
50						X 60.1% }PACE
49						X 47.9% }PACE ---MEAN
48						X 39.3% }PACE
47						X 33.7% }PACE
46						X 23.9% }PACE
45						X 19.0%
44						X 14.1% ---15PCT
43						X 12.3%
42						X 11.7%
41						X 9.8%
40						X 8.0%
39						X 4.9%
38						X 2.5%
37						X 0.6%
36						X 0.6%
35						X 0.0%
34						X 0.0%
33						X 0.0%
32						X 0.0%
31						X 0.0%
30						X 0.0%
29						X 0.0%
28						X 0.0%
27						X 0.0%
26						X 0.0%
25						X 0.0%
24						X 0.0%
23						X 0.0%
22						X 0.0%
21						X 0.0%
20						X 0.0%
19						X 0.0%
18						X 0.0%
17						X 0.0%
16						X 0.0%
15						X 0.0%

UPPER LIMIT 10 MPH PACE: 55 MPH
 LOWER LIMIT 10 MPH PACE: 46 MPH
 PERCENT OVER PACE: 19.0 %
 PERCENT IN PACE: 66.9 %
 PERCENT UNDER PACE: 19.0 %

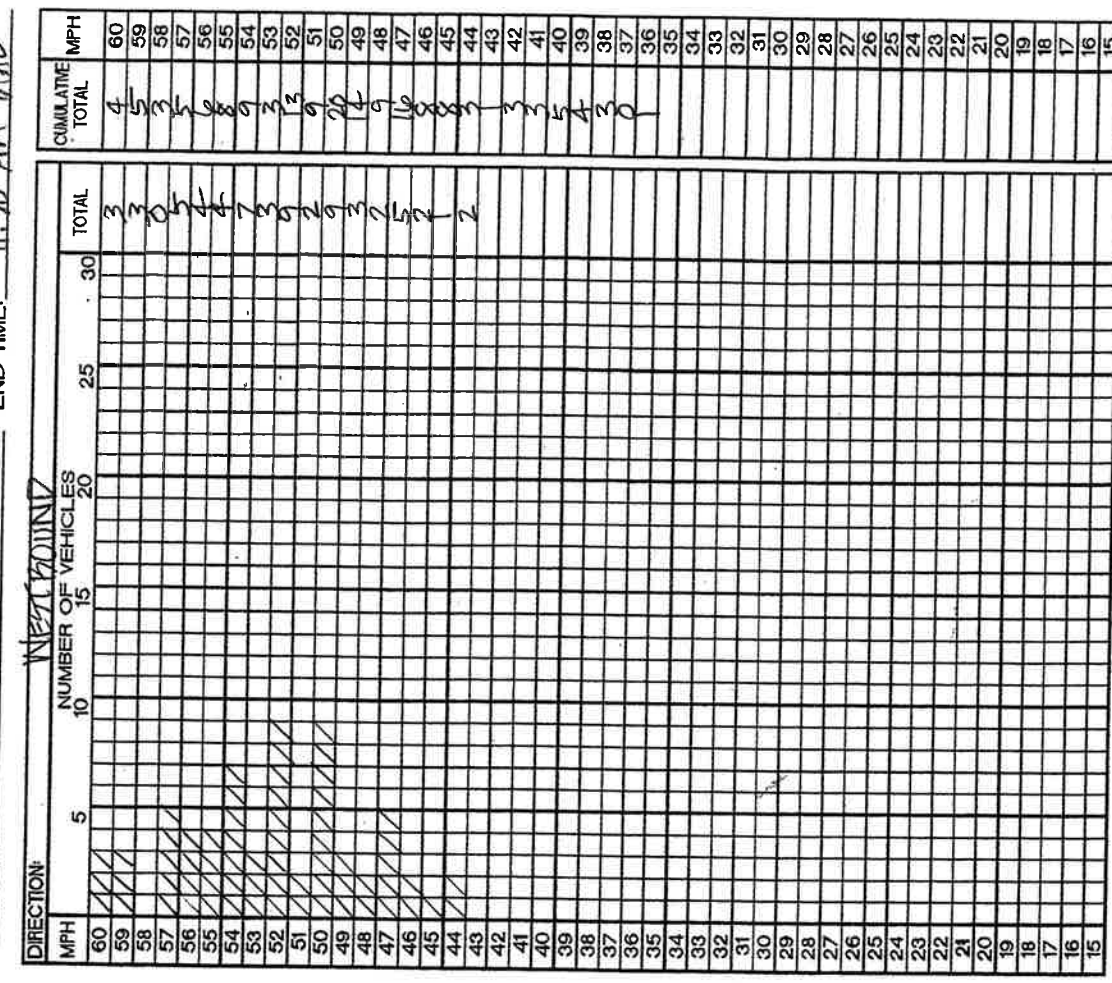
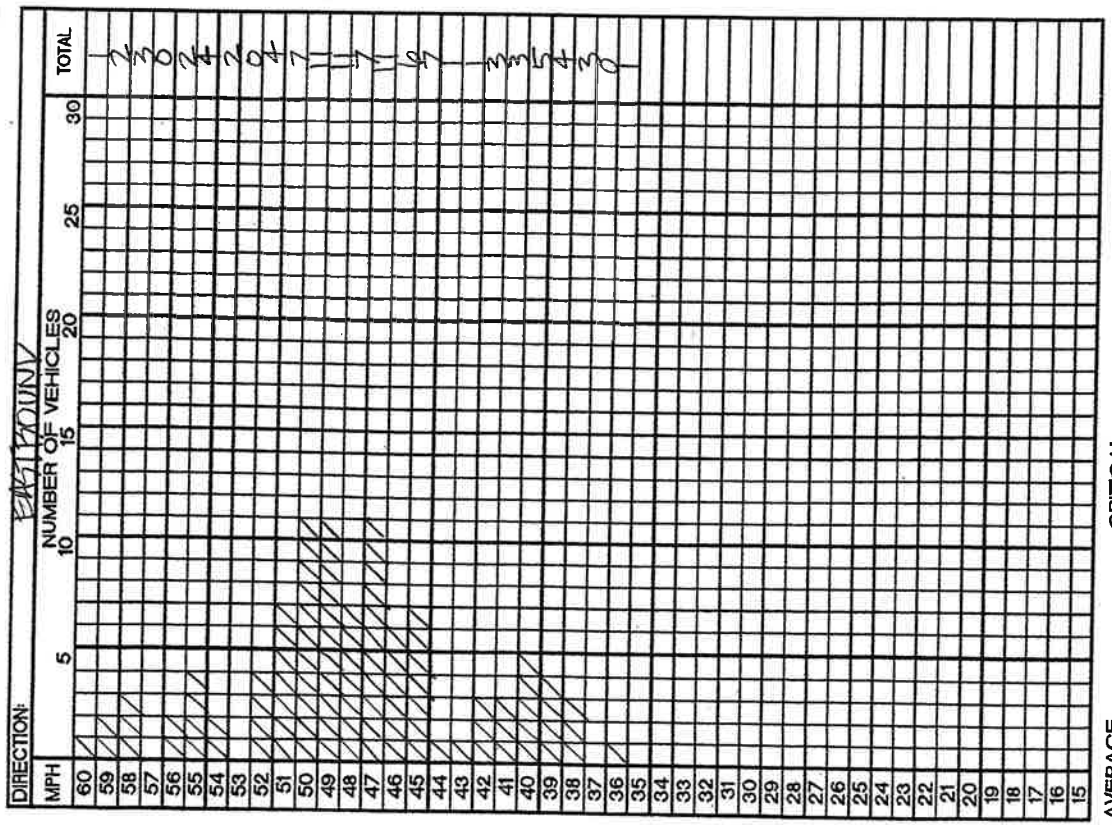
85th PERCENTILE SPEED: 54.8 MPH
 MEDIAN SPEED: 49.2 MPH
 15th PERCENTILE SPEED: 44.2 MPH

Radar Speed Survey Field Sheet

HARTZOG AND CRABILL INC.
 Consulting Traffic Engineers
 11951 Irvine Blvd., Suite 100
 Irvine, CA 92618
 (949) 261-9133

AGENCY: CITY OF LAURENA HILLS
 STREET: DSO PARKWAY
 LOCATION: MOULTON PARKWAY TO NELLIE GAIL RD

WEATHER: SUNNY
 ROAD CONDITION: DRY
 OBSERVER: CATHY BUENDIA
 DATE: 02-12-2020
 START TIME: 11:00 AM
 END TIME: 11:30 AM



AVERAGE SPEED: 62
 CRITICAL SPEED: 63
 CUMULATIVE (BOTH DIRECTIONS): 64-1

AVERAGE SPEED: 62
 CRITICAL SPEED: 63
 CUMULATIVE (BOTH DIRECTIONS): 64-1

PACE SPEED: 65-111
 PACE SPEED: 66

PACE SPEED: _____
 PACE SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



OSO PARKWAY

NELLIE GAIL RD TO BRIDLEWOOD DR

DATE: 2/12/2020

SURVEY BY: C. BUENDIA

TIME: 10:30 AM - 11:00 AM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	EAST OF NOTTINGHAM
DATE OF SURVEY	2/12/2020
85th PERCENTILE	53.4 MPH
10 MPH PACE	42 - 51 MPH
PERCENT IN PACE	66.2 %
POSTED SPEED LIMIT	50 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	1
TOTAL ACCIDENTS	6
ANNUAL ACCIDENT RATE	0.50 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.08 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	30,600
LANE CONFIGURATION	3 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - NELLIE GAIL / BRIDLEWOOD
CROSSWALKS	AT NELLIE GAIL / BRIDLEWOOD
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	YES
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	DESIGNATED BIKE LANES EQUESTRIAN TRAILS

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.59
VERTICAL CURVE	GRADUAL UP-DOWNHILL GRADES
HORIZONTAL CURVE	SWEEPING "C" CURVE
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	NO / NO
STREET LIGHTING	YES
OTHER	BI-LEVEL ROADWAY RAISED MEDIAN ISLAND

ADJACENT LAND USE	RESIDENTIAL (NF)
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RECOMMENDED SPEED LIMIT	50 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended 50 mph speed limit is within 3.4 mph of the 85th percentile speed and meets CVC standards.

NF = Non-fronting

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

OSO PARKWAY

DATE: 2/12/2020

TIME: 10:30 AM - 11:00 AM

NELLIE GAIL RD TO BRIDLEWOOD DR

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	98.5%
58					X	97.0%
57					X	93.9%
56					X	92.9%
55					X	90.9%
54					X	87.9%
53				X		83.3% ---85PCT
52				X		78.8%
51				X		75.3% }PACE
50				X		67.7% }PACE
49			X			55.6% }PACE
48			X			46.0% }PACE ---MEAN
47			X			39.4% }PACE
46			X			32.3% }PACE
45		X				28.8% }PACE
44		X				22.7% }PACE
43		X				19.2% }PACE
42		X				14.1% }PACE ---15PCT
41	X					9.1%
40	X					6.1%
39	X					4.5%
38	X					3.5%
37	X					3.5%
36	X					2.5%
35	X					2.0%
34	X					1.5%
33	X					1.5%
32	X					1.0%
31	X					0.0%
30	X					0.0%
29	X					0.0%
28	X					0.0%
27	X					0.0%
26	X					0.0%
25	X					0.0%
24	X					0.0%
23	X					0.0%
22	X					0.0%
21	X					0.0%
20	X					0.0%
19	X					0.0%
18	X					0.0%
17	X					0.0%
16	X					0.0%
15	X					0.0%

UPPER LIMIT 10 MPH PACE: 51 MPH
 LOWER LIMIT 10 MPH PACE: 42 MPH
 PERCENT OVER PACE: 24.7 %
 PERCENT IN PACE: 66.2 %
 PERCENT UNDER PACE: 9.1 %

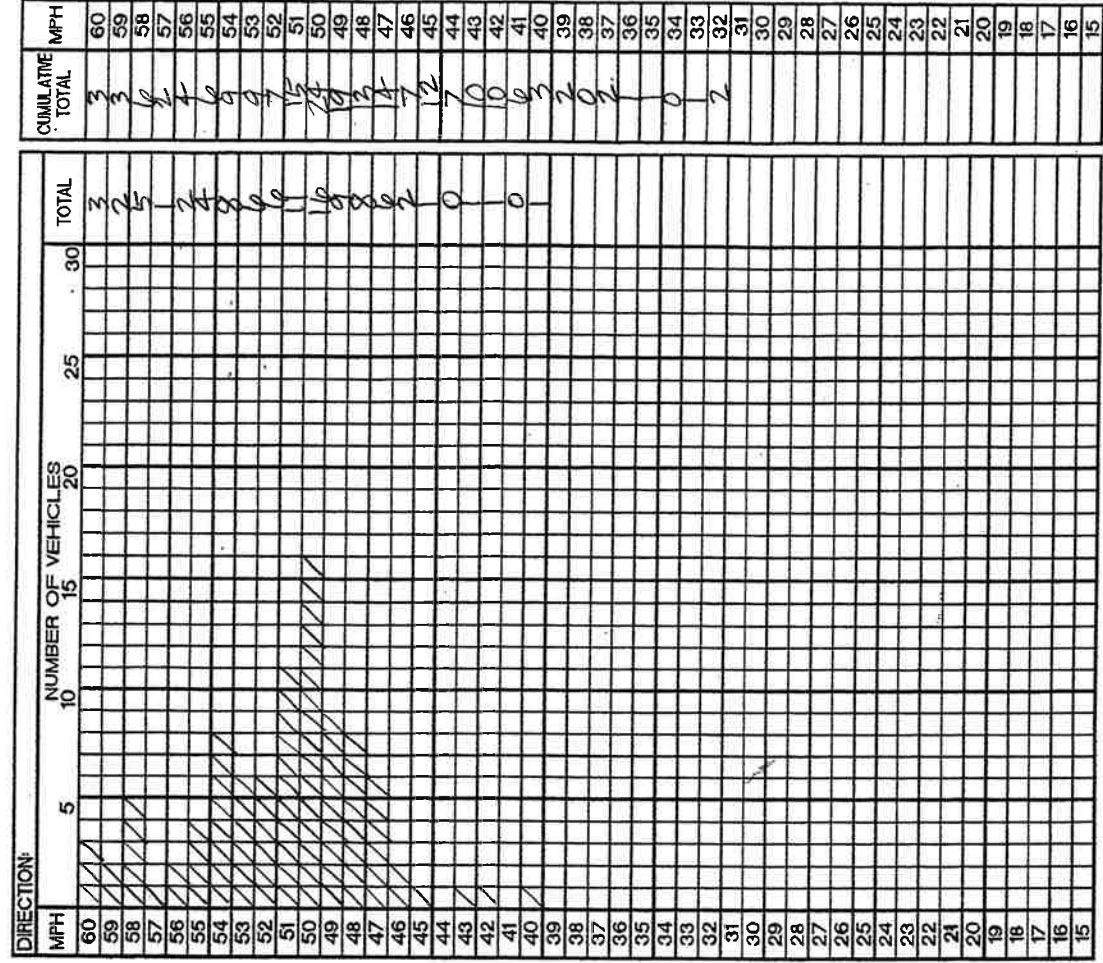
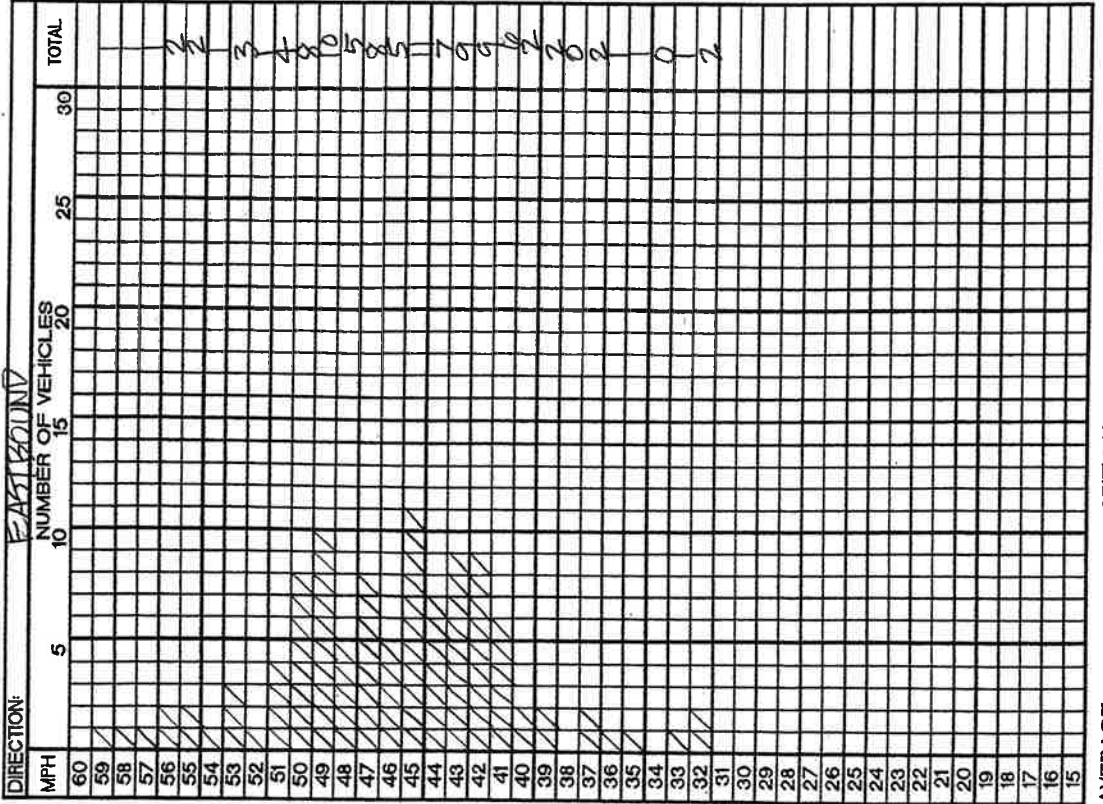
85th PERCENTILE SPEED: 53.4 MPH
 MEDIAN SPEED: 48.4 MPH
 15th PERCENTILE SPEED: 42.2 MPH

Radar Speed Survey Field Sheet

HARTZOG AND CRABILL INC.
 Consulting Traffic Engineers
 11921 Bay Blvd., Ste. 127, Torrance, CA 90509
 (310) 531-5125

AGENCY: CITY OF LAGUNA HILLS
 STREET: OSO PARKWAY
 LOCATION: NELLIE GAIL RD TO BRIDLEWOOD DR

WEATHER: SUNNY
 ROAD CONDITION: DRY
 OBSERVER: CATHY BUENDIA
 DATE: 02-12-2020
 START TIME: 10:30 AM
 END TIME: 11:00 AM JKL



AVERAGE SPEED: _____ PACE SPEED: _____
 CRITICAL SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

AVERAGE SPEED: _____ PACE SPEED: _____
 CRITICAL SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



OSO PARKWAY

BRIDLEWOOD DR TO I-5 FREEWAY

DATE: 2/12/2020
 TIME: 10:00 AM - 10:30 AM

SURVEY BY: C. BUENDIA
 CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	WEST OF TOMBSTONE
DATE OF SURVEY	2/12/2020
85th PERCENTILE	52.2 MPH
10 MPH PACE	44 - 53 MPH
PERCENT IN PACE	70.0 %
POSTED SPEED LIMIT	50 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	5
TOTAL ACCIDENTS	12
ANNUAL ACCIDENT RATE	2.50 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.22 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	49,300
LANE CONFIGURATION	3 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - FWY / CABOT / BRIDLEWOOD
CROSSWALKS	AT CABOT / BRIDLEWOOD
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	YES
ON-STREET PARKING	NO PARKING ANYTIME
OTHER	DESIGNATED BIKE LANES FLASHING BEACON "SIGNAL AHEAD" / EQUESTRIAN TRAILS

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.63
VERTICAL CURVE	GRADUAL UP-DOWNHILL GRADES
HORIZONTAL CURVE	GRADUAL "C" CURVE
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / NO
STREET LIGHTING	YES
OTHER	DBL YELLOW CENTERLINE & RAISED MEDIAN ISLAND NARROW SHOULDERS

ADJACENT LAND USE	RESIDENTIAL (NF) / I-5 FWY
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RECOMMENDED SPEED LIMIT	50 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
 The recommended 50 mph speed limit is within 2.2 mph of the 85th percentile speed and meets CVC standards.

NF = Non-fronting

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

OSO PARKWAY

DATE: 2/12/2020

TIME: 10:00 AM - 10:30 AM

BRIDLEWOOD DR TO I-5 FREEWAY

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	98.9%
58					X	97.4%
57					X	97.4%
56					X	95.3%
55					X	94.2%
54					X	92.1%
53					X	89.5% }PACE
52				X	X	83.7% }PACE ---85PCT
51				X		75.8% }PACE
50				X		71.1% }PACE
49				X		67.4% }PACE
48			X			60.5% }PACE
47			X			51.1% }PACE
46		X				43.2% }PACE ---MEAN
45		X				37.9% }PACE
44		X				26.8% }PACE
43		X				19.5%
42		X				17.4%
41	X					13.2% ---15PCT
40	X					6.8%
39	X					3.2%
38	X					1.1%
37	X					1.1%
36	X					0.5%
35	X					0.0%
34	X					0.0%
33	X					0.0%
32	X					0.0%
31	X					0.0%
30	X					0.0%
29	X					0.0%
28	X					0.0%
27	X					0.0%
26	X					0.0%
25	X					0.0%
24	X					0.0%
23	X					0.0%
22	X					0.0%
21	X					0.0%
20	X					0.0%
19	X					0.0%
18	X					0.0%
17	X					0.0%
16	X					0.0%
15	X					0.0%

UPPER LIMIT 10 MPH PACE: 53 MPH
 LOWER LIMIT 10 MPH PACE: 44 MPH
 PERCENT OVER PACE: 10.5 %
 PERCENT IN PACE: 70.0 %
 PERCENT UNDER PACE: 19.5 %

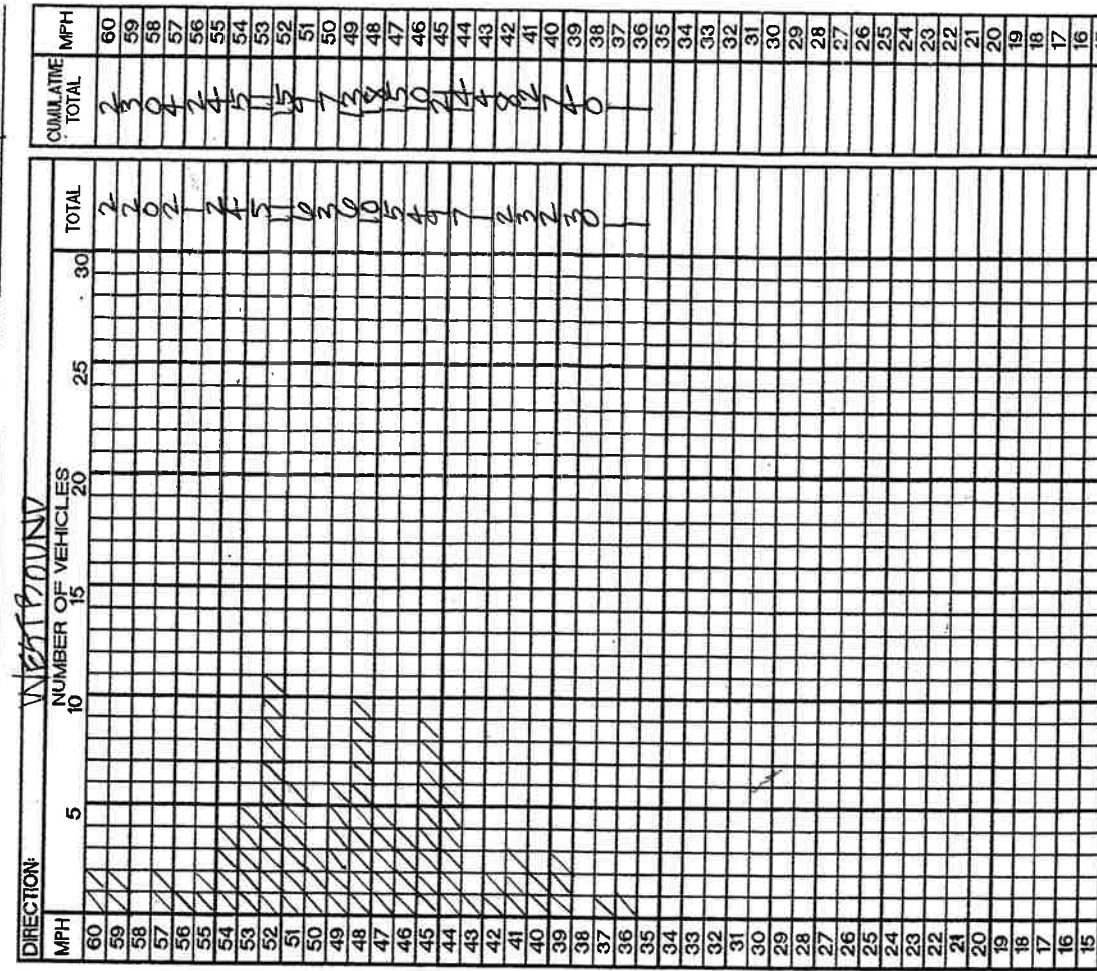
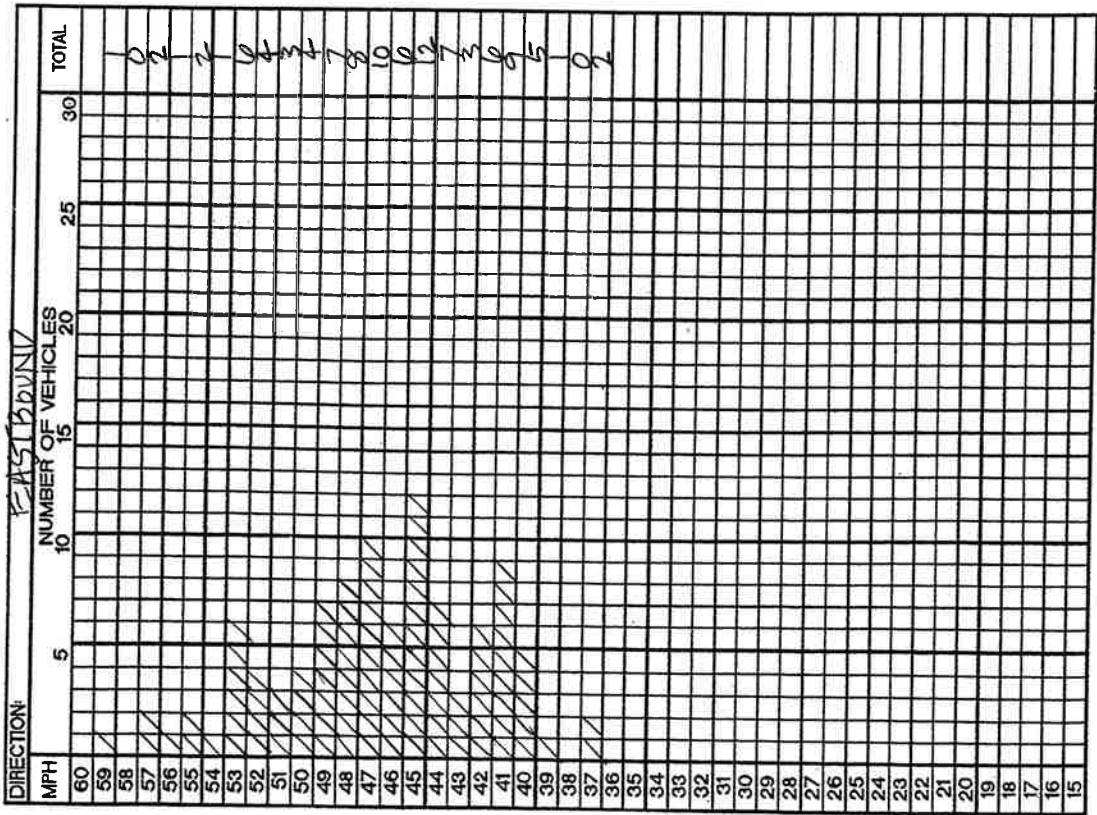
85th PERCENTILE SPEED: 52.2 MPH
 MEDIAN SPEED: 46.9 MPH
 15th PERCENTILE SPEED: 41.4 MPH

Radar Speed Survey Field Sheet

HARTOG AND CRABELL INC.
Consulting Traffic Engineers
1192 John Rd., Suite 172, Irvine, CA 92606
(714) 31-1425

AGENCY: CITY OF LAGUNA HILLS
STREET: D50 PARKWAY
LOCATION: BRIDLEWOOD DR TO I-5 Fwy

WEATHER: SUNNY DATE: 02-12-2020
ROAD CONDITION: DRY START TIME: 10:00 AM
OBSERVER: CATHY BUENDIA END TIME: 10:30 AM



AVERAGE SPEED: _____ PACE SPEED: _____
CRITICAL SPEED: _____
CUMULATIVE (BOTH DIRECTIONS) _____

AVERAGE SPEED: _____ PACE SPEED: _____
CRITICAL SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



PASEO DE VALENCIA

AVENIDA DE LA CARLOTA TO EL TORO RD

DATE: 2/5/2020

SURVEY BY: C. BUENDIA

TIME: 10:00 AM - 10:30 AM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	SOUTH OF AVD DE LA CARLOTA
DATE OF SURVEY	2/5/2020
85th PERCENTILE	37.6 MPH
10 MPH PACE	28 - 37 MPH
PERCENT IN PACE	74.3 %
POSTED SPEED LIMIT	35 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	2
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	12,800
LANE CONFIGURATION	2 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - AVD DE LA CARLOTA / EL TORO
CROSSWALKS	AT AVD DE LA CARLOTA / EL TORO
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	YES
ON-STREET PARKING	NO STOPPING ANYTIME
OTHER	

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.25
VERTICAL CURVE	NONE
HORIZONTAL CURVE	MODERATE "C" CURVE
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	PARTIAL / YES
STREET LIGHTING	YES
OTHER	PAINTED MEDIAN ISLAND

ADJACENT LAND USE	COMMERCIAL / FIRE STATION / CITY HALL
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RECOMMENDED SPEED LIMIT	35 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
 The recommended speed of 35 mph is within 2.6 mph of the 85th percentile speed and meets CVC standards.

RADAR SPEED DISTRIBUTION SHEET

CITY OF LAGUNA HILLS



PASEO DE VALENCIA

AVENIDA DE LA CARLOTA TO EL TORO RD

DATE: 2/5/2020

SURVEY BY:

C. BUENDIA

TIME: 10:00 AM - 10:30 AM

CHECKED BY:

JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 100.0%
58						X 100.0%
57						X 100.0%
56						X 100.0%
55						X 100.0%
54						X 100.0%
53						X 100.0%
52						X 100.0%
51						X 100.0%
50						X 100.0%
49						X 100.0%
48						X 100.0%
47						X 100.0%
46						X 100.0%
45						X 100.0%
44						X 100.0%
43						X 99.4%
42						X 97.2%
41						X 96.1%
40						X 93.9%
39						X 89.4%
38						X 86.6%
37						X 82.7% }PACE ---85PCT
36						X 76.5% }PACE
35						X 72.6% }PACE
34						X 62.0% }PACE
33						X 49.2% }PACE ---MEAN
32						X 40.2% }PACE
31						X 32.4% }PACE
30						X 24.0% }PACE
29						X 16.2% }PACE
28						X 12.8% }PACE ---15PCT
27						X 8.4%
26						X 5.0%
25						X 1.1%
24						X 0.0%
23						X 0.0%
22						X 0.0%
21						X 0.0%
20						X 0.0%
19						X 0.0%
18						X 0.0%
17						X 0.0%
16						X 0.0%
15						X 0.0%

UPPER LIMIT 10 MPH PACE: 37 MPH
 LOWER LIMIT 10 MPH PACE: 28 MPH
 PERCENT OVER PACE: 17.3 %
 PERCENT IN PACE: 74.3 %
 PERCENT UNDER PACE: 8.4 %

85th PERCENTILE SPEED: 37.6 MPH
 MEDIAN SPEED: 33.1 MPH
 15th PERCENTILE SPEED: 28.6 MPH

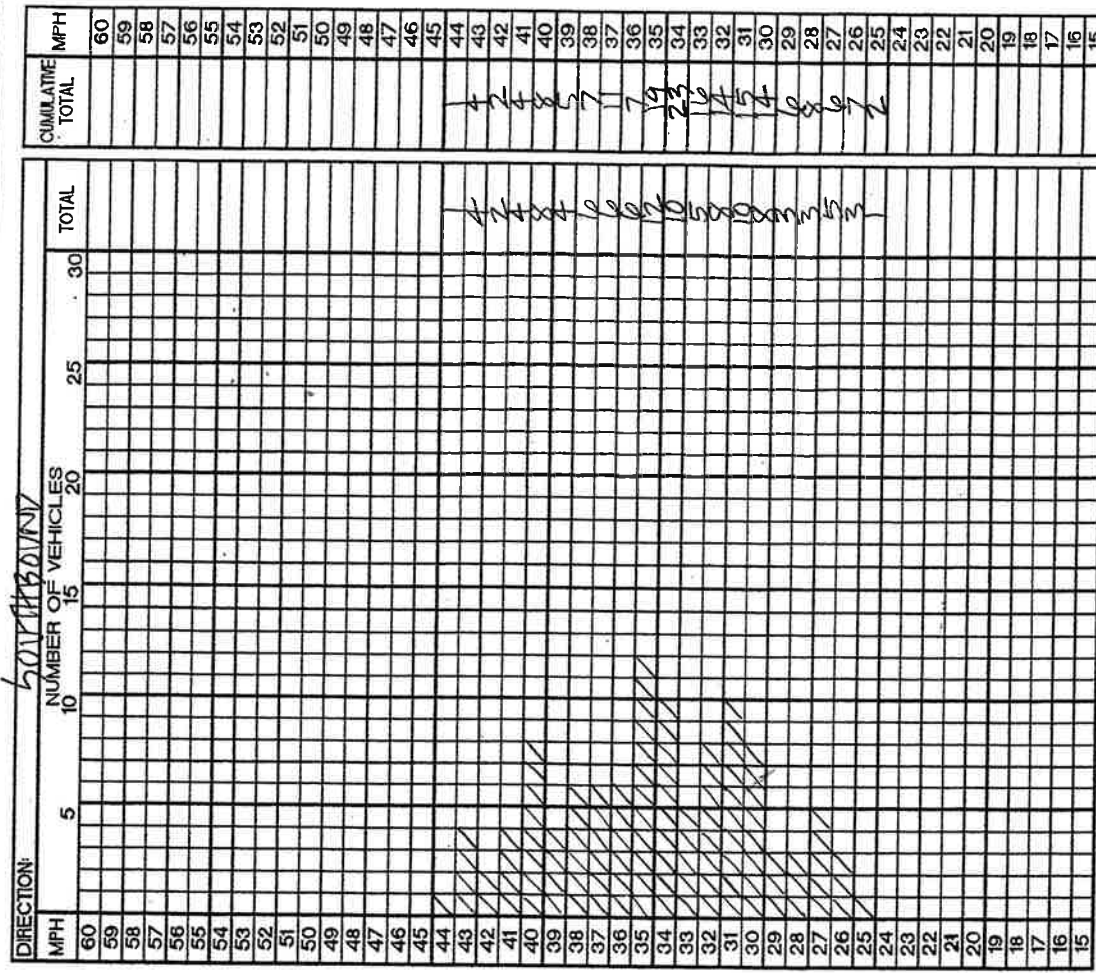
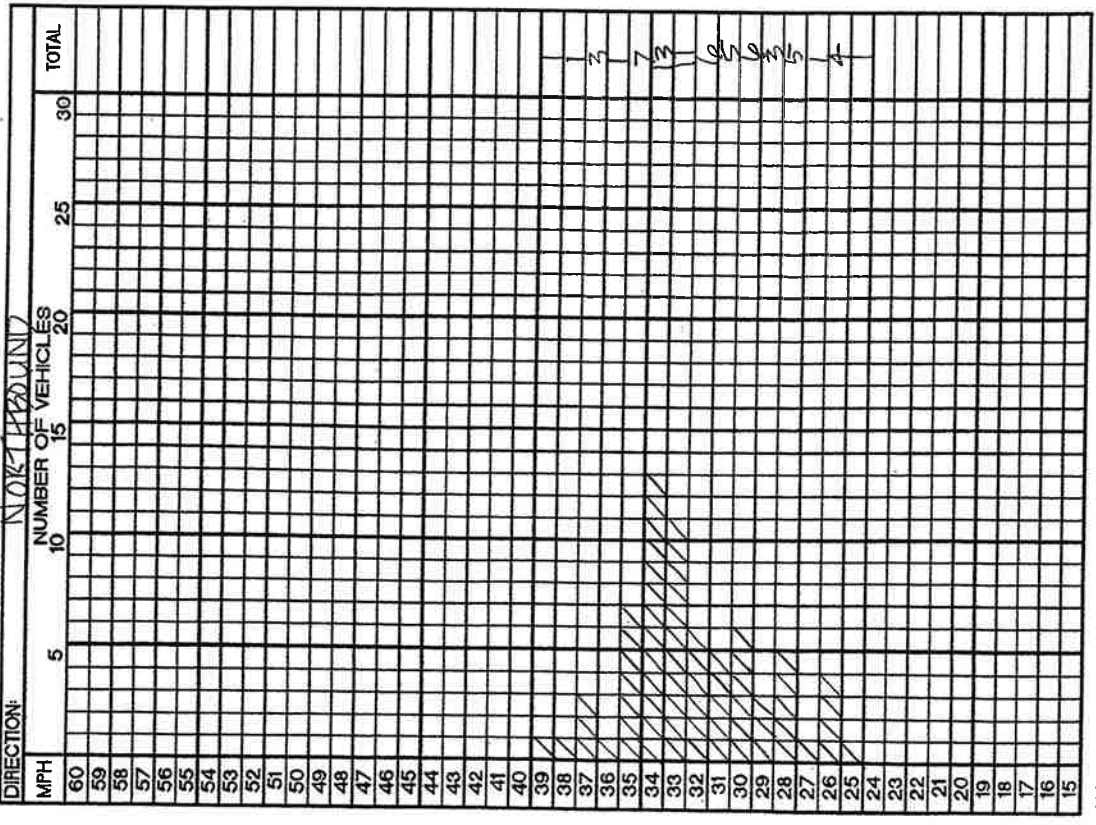
Radar Speed Survey Field Sheet

HARTZOG AND CRABELL INC.
Company Traffic Engineers
11911 Van Ness, Suite 100, San Francisco, CA 94133
(415) 331-5243

AGENCY: CITY OF LAG WEATHER: SUNNY DATE: 02-05-2020

STREET: PASEO DE VALENCIA ROAD CONDITION: DRY START TIME: 10:00 AM

LOCATION: AVD. DE VALENCIA TO EL TORO RD OBSERVER: CATHY BUENDIA END TIME: 10:30 AM VAM



AVERAGE SPEED: _____ PACE SPEED: _____

CRITICAL SPEED: _____ CRITICAL SPEED: _____

CUMULATIVE (BOTH DIRECTIONS) _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



PASEO DE VALENCIA

EL TORO RD TO LOS ALISOS BL

DATE: 2/5/2020
TIME: 10:40 AM - 11:15 AM

SURVEY BY: C. BUENDIA
CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	SOUTH OF MAGDALENA
DATE OF SURVEY	2/5/2020
85th PERCENTILE	42.3 MPH
10 MPH PACE	35 - 44 MPH
PERCENT IN PACE	76.1 %
POSTED SPEED LIMIT	40 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	2
TOTAL ACCIDENTS	15
ANNUAL ACCIDENT RATE	1.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.15 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	21,400
LANE CONFIGURATION	2 LANES (SB) - 3 LANES (NB)
TRAFFIC CONTROLS	SIGNAL - EL TORO / LA PLATA / MAGDALENA / HEALTH CTR / VIA ESTRADA / LOS ALISOS
CROSSWALKS	AT EL TORO / LA PLATA / MAGDALENA / HEALTH CTR / VIA ESTRADA / LOS ALISOS
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	YES
ON-STREET PARKING	NO PARKING ANYTIME ENTIRE BLOCK
OTHER	DESIGNATED BIKE LANES BUS STOPS

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.86
VERTICAL CURVE	SLIGHT UP-DOWNHILL GRADES
HORIZONTAL CURVE	CONSTANT GRADUAL-MODERATE "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / MANY
STREET LIGHTING	YES
OTHER	RAISED MEDIAN ISLAND

ADJACENT LAND USE	COMMERCIAL / BUSINESS / MEDICAL OFFICES / HOSPITAL
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RECOMMENDED SPEED LIMIT	40 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended speed of 40 mph is within 2.3 mph of the 85th percentile speed and meets CVC standards.

RADAR SPEED DISTRIBUTION SHEET

CITY OF LAGUNA HILLS



PASEO DE VALENCIA

EL TORO RD TO LOS ALISOS BL

DATE: 2/5/2020

SURVEY BY:

C. BUENDIA

TIME: 10:40 AM - 11:15 AM

CHECKED BY:

JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	100.0%
53					X	100.0%
52					X	100.0%
51					X	100.0%
50					X	100.0%
49					X	100.0%
48					X	100.0%
47					X	99.4%
46					X	97.7%
45					X	96.0%
44					X	93.2% }PACE
43					X	88.6% }PACE
42					X	83.5% }PACE ---85PCT
41					X	72.2% }PACE
40					X	63.6% }PACE
39					X	55.7% }PACE
38					X	46.6% }PACE ---MEAN
37					X	40.9% }PACE
36					X	32.4% }PACE
35					X	26.1% }PACE
34					X	17.0%
33					X	13.6% ---15PCT
32					X	11.4%
31					X	7.4%
30					X	6.3%
29					X	4.5%
28					X	2.8%
27					X	0.6%
26					X	0.6%
25					X	0.0%
24					X	0.0%
23					X	0.0%
22					X	0.0%
21					X	0.0%
20					X	0.0%
19					X	0.0%
18					X	0.0%
17					X	0.0%
16					X	0.0%
15					X	0.0%

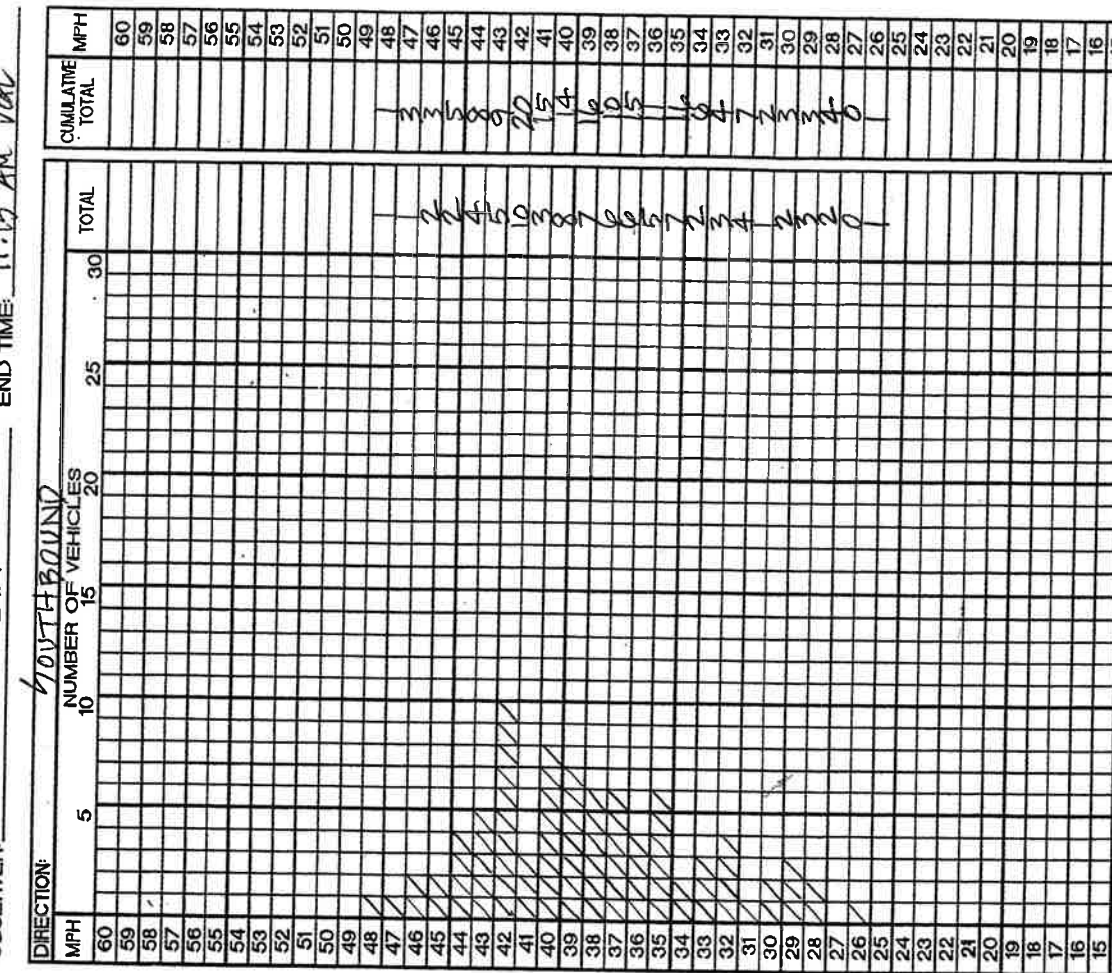
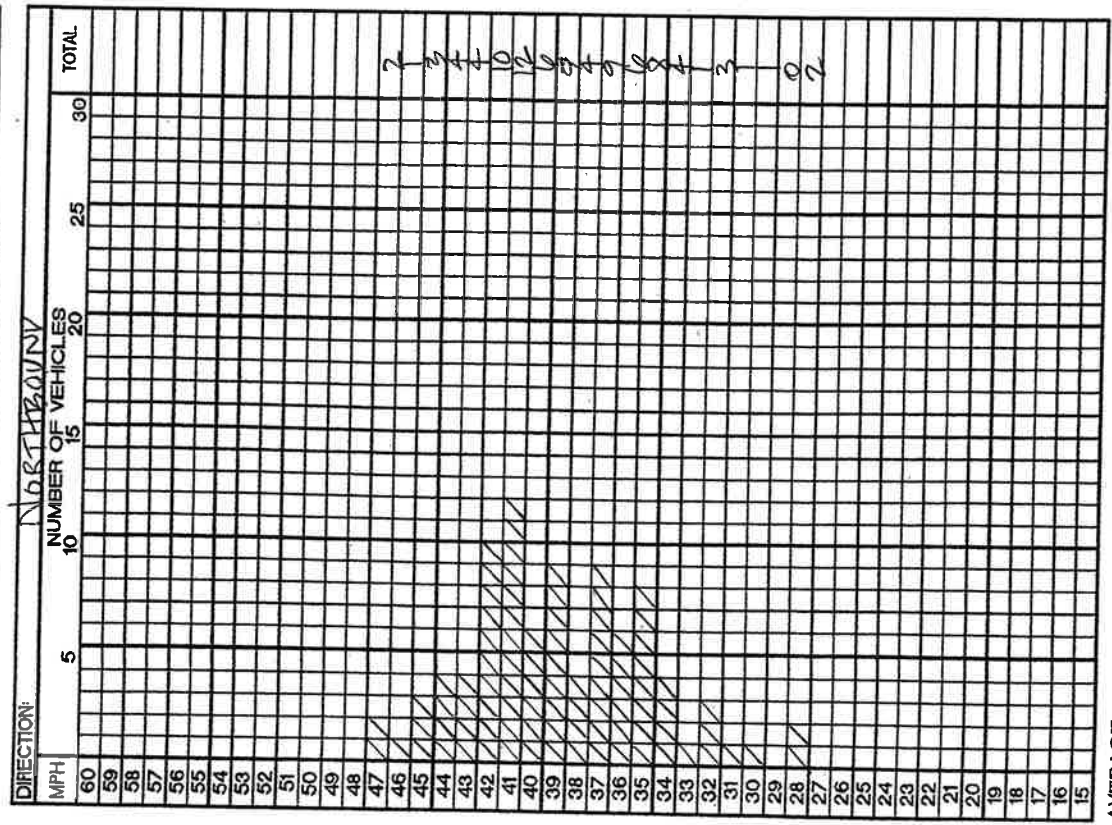
UPPER LIMIT 10 MPH PACE: 44 MPH
 LOWER LIMIT 10 MPH PACE: 35 MPH
 PERCENT OVER PACE: 6.8 %
 PERCENT IN PACE: 76.1 %
 PERCENT UNDER PACE: 17.0 %

85th PERCENTILE SPEED: 42.3 MPH
 MEDIAN SPEED: 38.4 MPH
 15th PERCENTILE SPEED: 33.4 MPH

Radar Speed Survey Field Sheet

HARTZOG AND CRIBELL INC.
Consulting Traffic Engineers
11991 Ivan Blvd., Ste. 122 Irvine, CA 92618
(714) 731-9125

AGENCY: CITY OF LAGUNA HILLS
STREET: PASEO DE VALENCIA
LOCATION: EL TORO RD TO LOS ALISOS BL
WEATHER: SUNNY
ROAD CONDITION: DRY
OBSERVER: CATHY BUENDIA
DATE: 02-05-2020
START TIME: 10:40 AM
END TIME: 11:15 AM



ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



PASEO DE VALENCIA

LOS ALISOS BL TO LAGUNA HILLS DR

DATE: 2/5/2020
 TIME: 11:15 AM - 11:50 AM

SURVEY BY: C. BUENDIA
 CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	SOUTH OF LOS ALISOS
DATE OF SURVEY	2/5/2020
85th PERCENTILE	47.4 MPH
10 MPH PACE	38 - 47 MPH
PERCENT IN PACE	73.5 %
POSTED SPEED LIMIT	45 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	5
TOTAL ACCIDENTS	15
ANNUAL ACCIDENT RATE	2.50 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.33 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	31,800
LANE CONFIGURATION	2 LANES (SB) - 3 LANES (NB)
TRAFFIC CONTROLS	SIGNAL - LOS ALISOS / KENNINGTON / BECKENHAM / LAGUNA HILLS
CROSSWALKS	AT LOS ALISOS / BECKENHAM / LAGUNA HILLS (sch)
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	YES
ON-STREET PARKING	NO PARKING ANYTIME ENTIRE BLOCK
OTHER	BIKE ROUTE / BUS STOPS

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.65
VERTICAL CURVE	SLIGHT UP-DOWNHILL GRADES
HORIZONTAL CURVE	CONSTANT GRADUAL-MODERATE "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / NO (NB) - NO / NO (SB)
STREET LIGHTING	YES
OTHER	RAISED MEDIAN ISLAND

ADJACENT LAND USE	RESIDENTIAL (NF)
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RECOMMENDED SPEED LIMIT	45 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
 The recommended speed of 45 mph is within 2.4 mph of the 85th percentile speed and meets CVC standards.

NF = RESIDENTIAL (non-fronting to roadway, separated by brick walls or landscaped hillsides)

RADAR SPEED DISTRIBUTION SHEET

CITY OF LAGUNA HILLS



PASEO DE VALENCIA

LOS ALISOS BL TO LAGUNA HILLS DR

DATE: 2/5/2020

SURVEY BY:

C. BUENDIA

TIME: 11:15 AM - 11:50 AM

CHECKED BY:

JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	99.5%
53					X	99.5%
52					X	99.0%
51					X	98.5%
50					X	95.9%
49					X	91.8%
48					X	88.3%
47					X	83.2% }PACE ---85PCT
46				X		75.5% }PACE
45				X		69.4% }PACE
44			X			60.2% }PACE
43			X			53.1% }PACE
42			X			43.9% }PACE ---MEAN
41			X			37.2% }PACE
40		X				31.1% }PACE
39		X				23.5% }PACE
38	X					16.3% }PACE
37	X					9.7% ---15PCT
36	X					5.1%
35	X					3.6%
34	X					2.0%
33	X					2.0%
32	X					0.5%
31	X					0.5%
30	X					0.0%
29	X					0.0%
28	X					0.0%
27	X					0.0%
26	X					0.0%
25	X					0.0%
24	X					0.0%
23	X					0.0%
22	X					0.0%
21	X					0.0%
20	X					0.0%
19	X					0.0%
18	X					0.0%
17	X					0.0%
16	X					0.0%
15	X					0.0%

UPPER LIMIT 10 MPH PACE: 47 MPH
 LOWER LIMIT 10 MPH PACE: 38 MPH
 PERCENT OVER PACE: 16.8 %
 PERCENT IN PACE: 73.5 %
 PERCENT UNDER PACE: 9.7 %

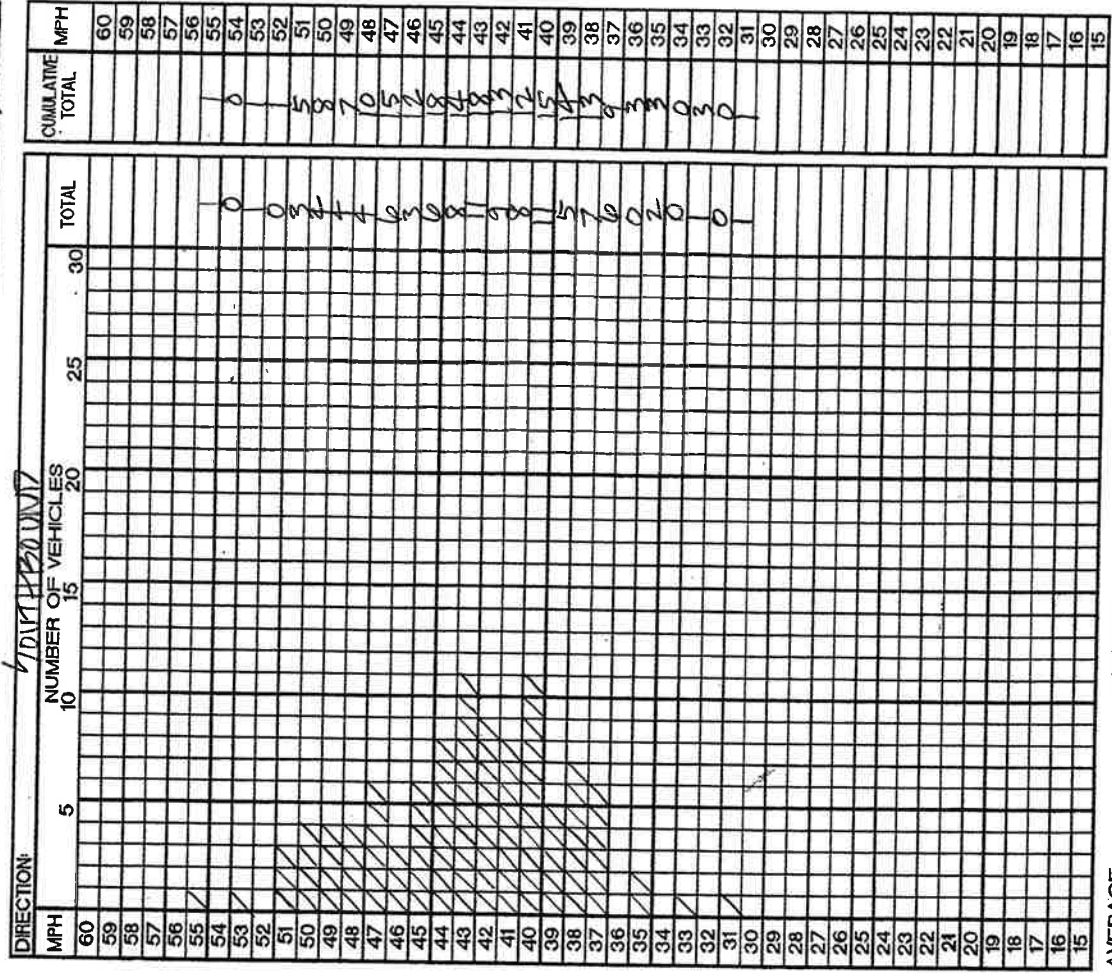
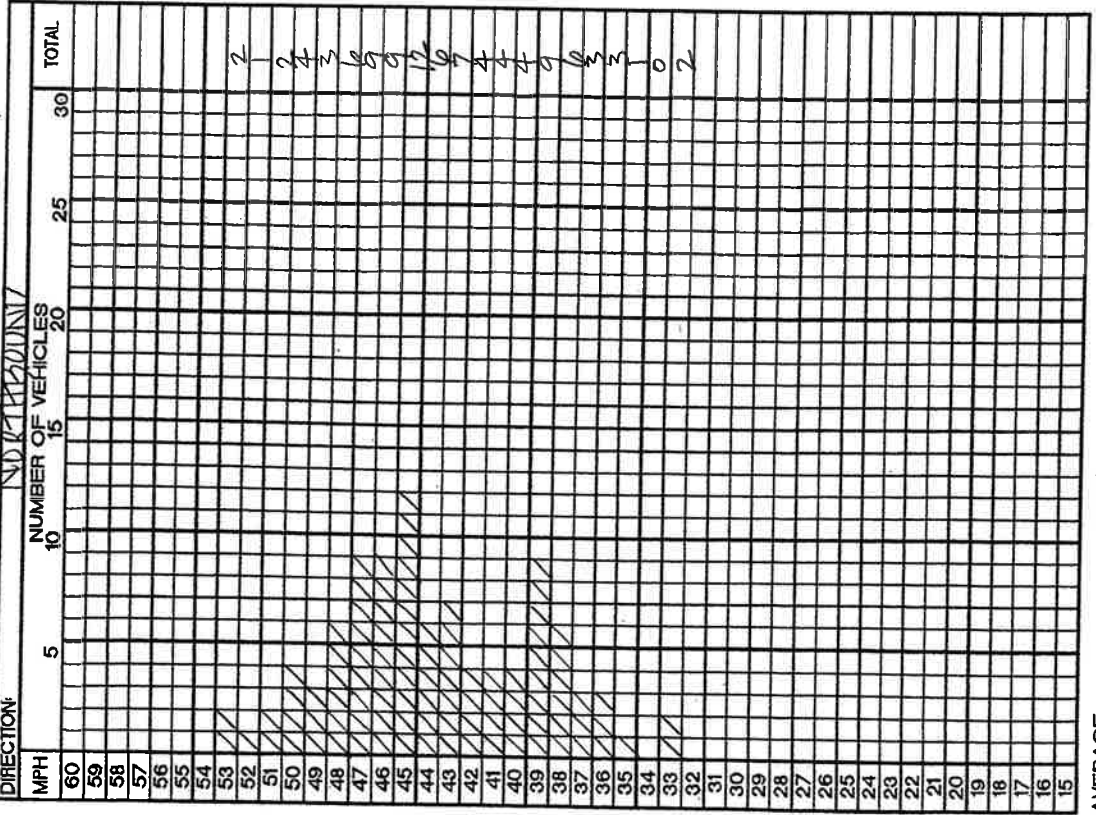
85th PERCENTILE SPEED: 47.4 MPH
 MEDIAN SPEED: 42.7 MPH
 15th PERCENTILE SPEED: 37.8 MPH

Radar Speed Survey Field Sheet

HARTZOG AND CRIBELL INC.
Consulting Traffic Engineers
17521 John Boyd Drive, Suite CA, 92660
(714) 945-1000

AGENCY: CITY OF LAGUNA HILLS
STREET: PASO DE VALENCIA
LOCATION: LOS ALISOS BL TO LAGUNA HILLS DR.

WEATHER: SUNNY
ROAD CONDITION: DRY
OBSERVER: CATHY BUENDIA
DATE: 02-05-2020
START TIME: 11:15 AM
END TIME: 11:50 AM



ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



PASEO DE VALENCIA

LAGUNA HILLS DR TO ALICIA PKWY

DATE: 2/5/2020
 TIME: 12:00 PM - 12:40 PM

SURVEY BY: C. BUENDIA
 CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	SOUTH OF LAGUNA HILLS
DATE OF SURVEY	2/5/2020
85th PERCENTILE	45.9 MPH
10 MPH PACE	36 - 45 MPH
PERCENT IN PACE	66.7 %
POSTED SPEED LIMIT	45 MPH / 25 MPH*

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	11
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	26,200
LANE CONFIGURATION	3 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - LAGUNA HILLS / HAWK / ALICIA
CROSSWALKS	AT LAGUNA HILLS / HAWK (sch) / ALICIA
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	YES
ON-STREET PARKING	NO PARKING ANYTIME
OTHER	BIKE ROUTE / BUS STOPS

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.30
VERTICAL CURVE	SLIGHT UPHILL GRADE (NB)
HORIZONTAL CURVE	GRADUAL "C" CURVE
LATERAL VISIBILITY	GOOD
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / FEW
STREET LIGHTING	YES
OTHER	RAISED MEDIAN ISLAND SHORT DISTANCE BTWN SIGNALS / NARROW SHOULDERS

ADJACENT LAND USE	RESIDENTIAL** / LAGUNA HILLS HIGH SCH / COMMERCIAL (at Alicia)
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RECOMMENDED SPEED LIMIT	45 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
 The recommended speed of 45 mph is within 0.9 mph of the 85th percentile speed and meets CVC standards.

** RESIDENTIAL (non-fronting to roadway, separated by brick walls or landscaped hillsides)
 * 25 MPH When Children Present, School Zone

RADAR SPEED DISTRIBUTION SHEET

CITY OF LAGUNA HILLS



PASEO DE VALENCIA

LAGUNA HILLS DR TO ALICIA PKWY

DATE: 2/5/2020

SURVEY BY:

C. BUENDIA

TIME: 12:00 PM - 12:40 PM

CHECKED BY:

JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	100.0%
53					X	99.0%
52					X	98.1%
51					X	97.1%
50					X	96.1%
49					X	94.2%
48					X	92.3%
47					X	89.4%
46					X	85.5%
45					X	81.2% }PACE ---85PCT
44					X	73.4% }PACE
43					X	66.7% }PACE
42					X	58.5% }PACE
41					X	51.7% }PACE
40					X	42.5% }PACE ---MEAN
39					X	33.3% }PACE
38					X	27.5% }PACE
37					X	26.1% }PACE
36					X	20.3% }PACE
35					X	14.5% ---15PCT
34					X	9.7%
33					X	7.7%
32					X	6.3%
31					X	3.9%
30					X	1.4%
29					X	1.4%
28					X	1.0%
27					X	0.5%
26					X	0.5%
25					X	0.0%
24					X	0.0%
23					X	0.0%
22					X	0.0%
21					X	0.0%
20					X	0.0%
19					X	0.0%
18					X	0.0%
17					X	0.0%
16					X	0.0%
15					X	0.0%

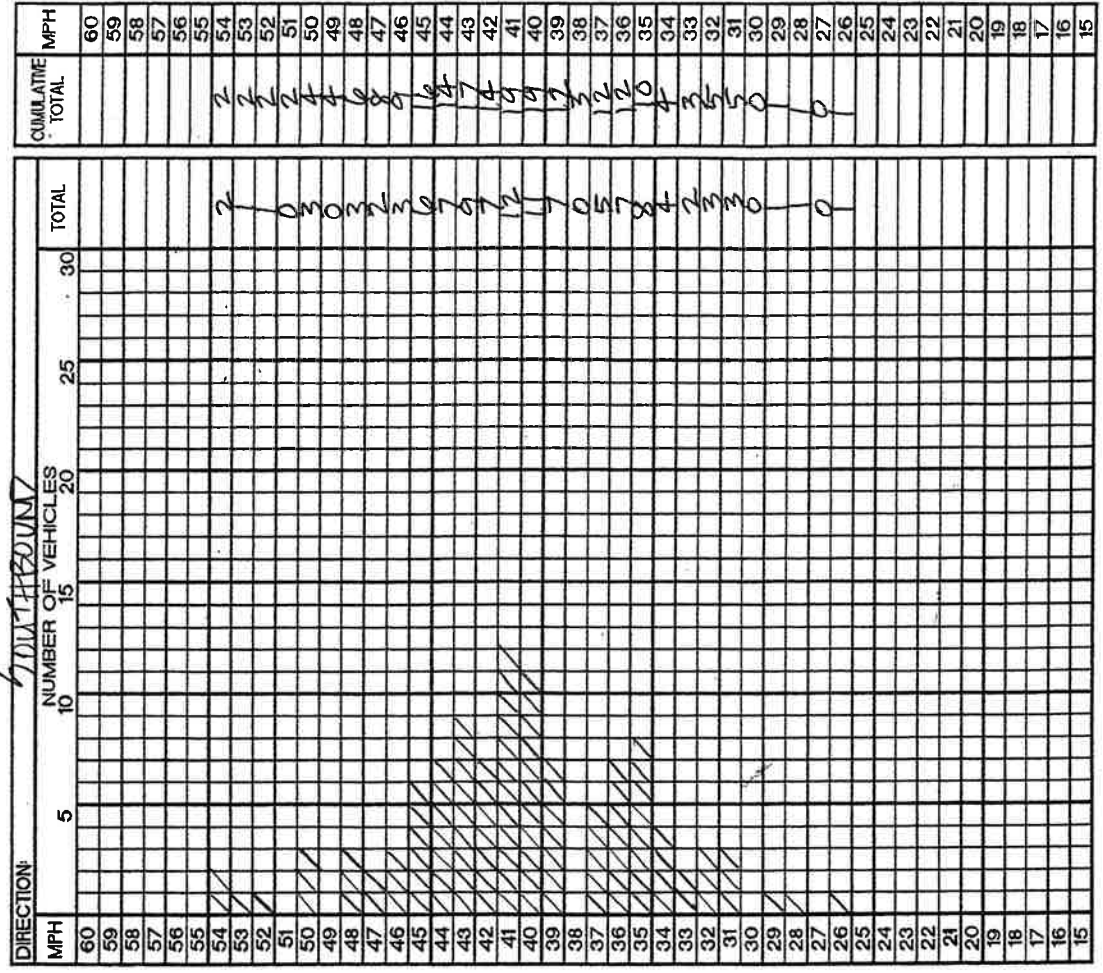
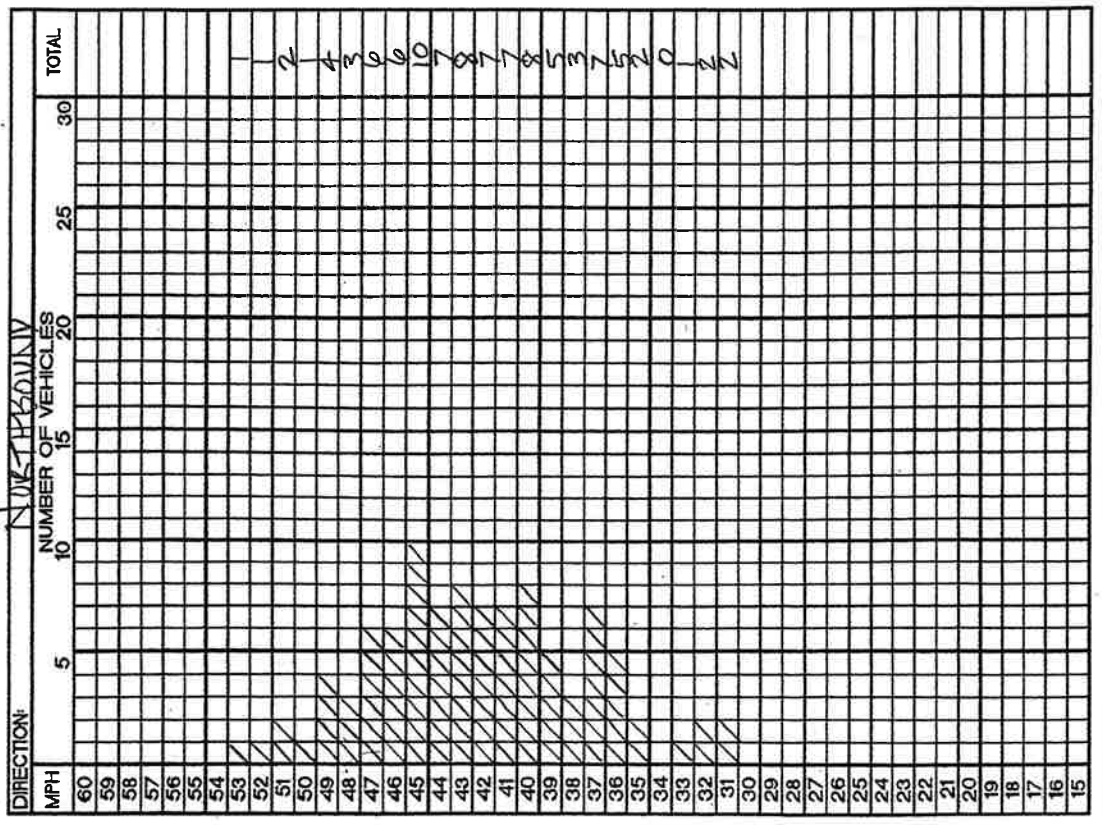
UPPER LIMIT 10 MPH PACE: 45 MPH
 LOWER LIMIT 10 MPH PACE: 36 MPH
 PERCENT OVER PACE: 18.8 %
 PERCENT IN PACE: 66.7 %
 PERCENT UNDER PACE: 14.5 %

85th PERCENTILE SPEED: 45.9 MPH
 MEDIAN SPEED: 40.8 MPH
 15th PERCENTILE SPEED: 35.1 MPH

HARTZOG AND CRABELL INC.
Consulting Traffic Engineers
11201 Santa Monica Blvd., Suite 100, Los Angeles, CA 90025
(310) 731-3325

Radar Speed Survey Field Sheet

AGENCY: CITY OF LAKEUNA HILLS DATE: 02-05-2020
STREET: PASEO DE VALENCIA START TIME: 12:00 PM
LOCATION: LAKEUNA HILLS DR TO ALICIA PENY END TIME: 12:40 PM VJK
WEATHER: SUNNY
ROAD CONDITION: DRY
OBSERVER: CATHY BUENDIA



AVERAGE SPEED: _____ PACE SPEED: _____
 CRITICAL SPEED: _____ CRITICAL SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



PASEO DE VALENCIA

ALICIA PKWY TO LA PAZ RD

DATE: 2/5/2020

SURVEY BY: C. BUENDIA

TIME: 1:30 PM - 2:00 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	SOUTH OF SUNBURST
DATE OF SURVEY	2/5/2020
85th PERCENTILE	49.7 MPH
10 MPH PACE	40 - 49 MPH
PERCENT IN PACE	73.7 %
POSTED SPEED LIMIT	45 MPH / 25 MPH*

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	6
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	11,100
LANE CONFIGURATION	2 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - ALICIA / LA PAZ
CROSSWALKS	AT ALICIA (sch) / LA PAZ (sch)
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	YES
ON-STREET PARKING	NO PARKING ANYTME ENTIRE BLOCK
OTHER	BIKE ROUTE / BUS STOPS

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.91
VERTICAL CURVE	SLIGHT-GRADUAL UP-DOWNHILL GRADES
HORIZONTAL CURVE	GRADUAL-MODERATE "S" CURVES
LATERAL VISIBILITY	LIMITED-FAIR SIGHT DISTANCE
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / YES
STREET LIGHTING	YES
OTHER	DBL YELLOW PAINTED ISLAND

ADJACENT LAND USE	RESIDENTIAL** / COMMERCIAL (at Alicia)
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RECOMMENDED SPEED LIMIT	45 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
 The recommended speed of 45 mph is within 4.7 mph of the 85th percentile speed and meets CVC standards.

** RESIDENTIAL (non-fronting to roadway, separated by brick walls or landscaped hillsides)
 * 25 MPH When Children Present, School Zone

RADAR SPEED DISTRIBUTION SHEET

CITY OF LAGUNA HILLS



PASEO DE VALENCIA

ALICIA PKWY TO LA PAZ RD

DATE: 2/5/2020

SURVEY BY:

C. BUENDIA

TIME: 1:30 PM - 2:00 PM

CHECKED BY:

JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	98.8%
55					X	97.7%
54					X	96.5%
53					X	93.6%
52					X	91.8%
51					X	88.9%
50				X		86.0%
49				X		83.0% }PACE ---85PCT
48				X		77.8% }PACE
47				X		70.8% }PACE
46			X			63.2% }PACE
45			X			56.1% }PACE
44		X				43.3% }PACE ---MEAN
43		X				35.7% }PACE
42		X				25.1% }PACE
41		X				21.1% }PACE
40		X				15.8% }PACE
39	X					9.4% ---15PCT
38	X					7.0%
37	X					5.3%
36	X					4.1%
35	X					4.1%
34	X					1.8%
33	X					1.2%
32	X					0.6%
31	X					0.6%
30	X					0.6%
29	X					0.0%
28	X					0.0%
27	X					0.0%
26	X					0.0%
25	X					0.0%
24	X					0.0%
23	X					0.0%
22	X					0.0%
21	X					0.0%
20	X					0.0%
19	X					0.0%
18	X					0.0%
17	X					0.0%
16	X					0.0%
15	X					0.0%

UPPER LIMIT 10 MPH PACE: 49 MPH
 LOWER LIMIT 10 MPH PACE: 40 MPH
 PERCENT OVER PACE: 17.0 %
 PERCENT IN PACE: 73.7 %
 PERCENT UNDER PACE: 9.4 %

85th PERCENTILE SPEED: 49.7 MPH
 MEDIAN SPEED: 44.5 MPH
 15th PERCENTILE SPEED: 39.9 MPH

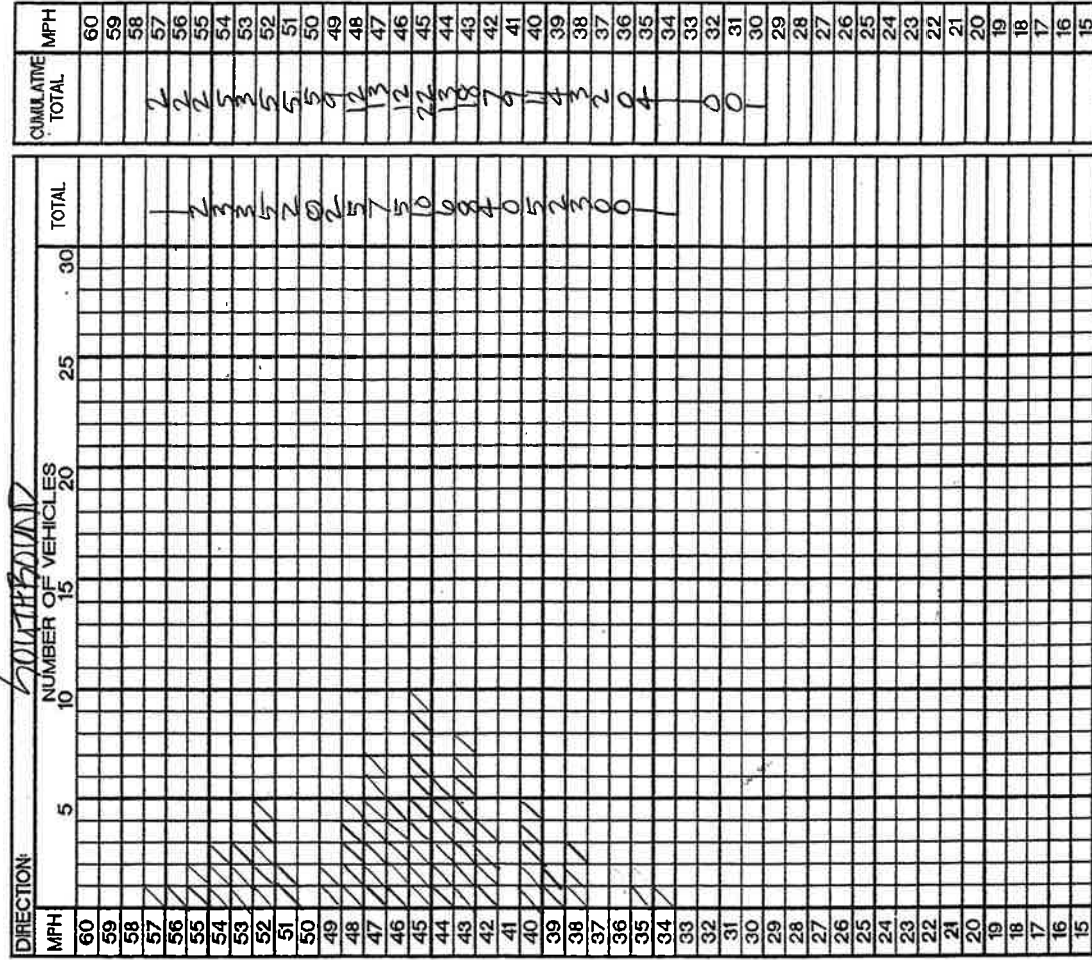
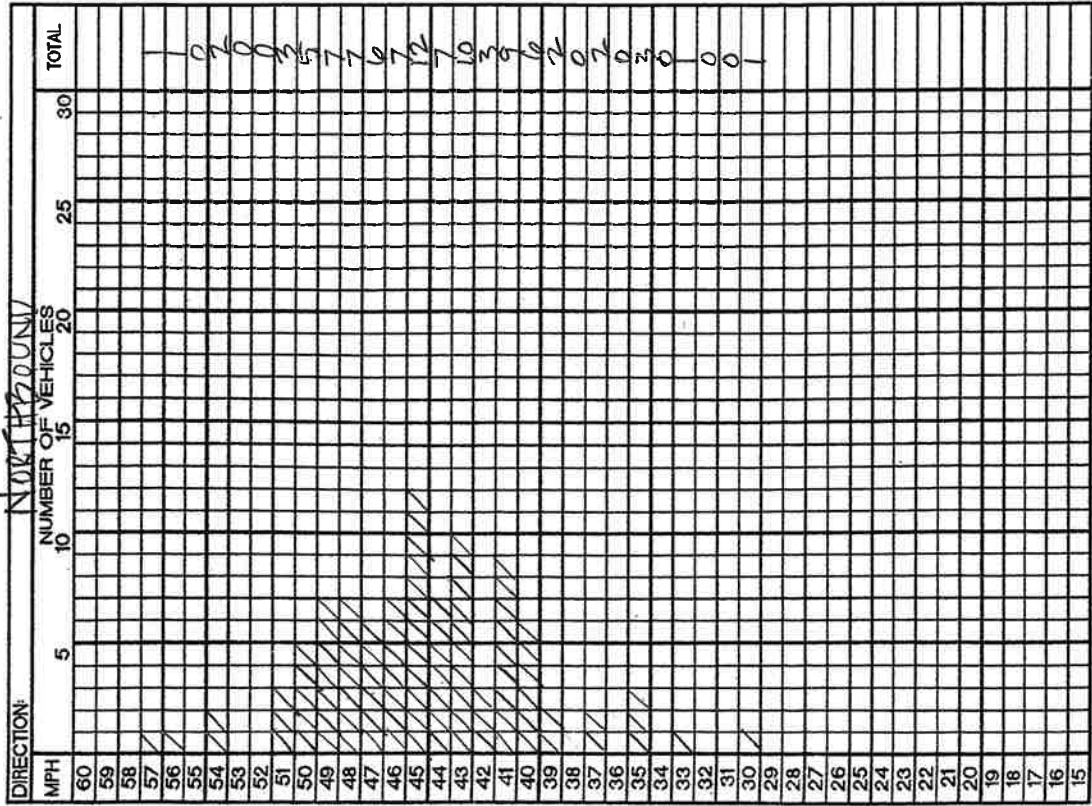
HARTZOG AND CRABELL INC.
 Consulting Traffic Engineers
 11991 Van Ness Blvd., Suite 401, San Francisco, CA 94133
 (415) 774-9400

Radar Speed Survey Field Sheet

AGENCY: CITY OF LAGUNA HILLS
 STREET: PASO DE VALENCIA
 LOCATION: ALICIA PONY TO LA PAZ RD

WEATHER: SUNNY
 ROAD CONDITION: DRY
 OBSERVER: CATHY BUENDIA

DATE: 02-05-2020
 START TIME: 1:30 PM
 END TIME: 2:00 PM VMT



AVERAGE SPEED: _____ PACE SPEED: _____
 CRITICAL SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

AVERAGE SPEED: _____ PACE SPEED: _____
 CRITICAL SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



PASEO DE VALENCIA

LA PAZ RD TO CABOT RD

DATE: 2/5/2020

SURVEY BY: C. BUENDIA

TIME: 2:00 PM - 2:30 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	EAST OF FIRENZE
DATE OF SURVEY	2/5/2020
85th PERCENTILE	46.9 MPH
10 MPH PACE	40 - 49 MPH
PERCENT IN PACE	77.2 %
POSTED SPEED LIMIT	45 MPH / 25 MPH*

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	1
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	5,800
LANE CONFIGURATION	2 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - LA PAZ / CABOT
CROSSWALKS	AT LA PAZ (sch) / CABOT
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	YES
ON-STREET PARKING	NO STOPPING ANYTME ENTIRE BLOCK
OTHER	BIKE ROUTE / BUS STOPS HEAVY ON-STREET PARKING (NB) NEAR SCH AT LA PAZ

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.60
VERTICAL CURVE	SLIGHT-GRADUAL UP-DOWNHILL GRADES
HORIZONTAL CURVE	GRADUAL-MODERATE "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / YES
STREET LIGHTING	YES
OTHER	DBL YELLOW PAINTED ISLAND VERY NARROW SHOULDERS

ADJACENT LAND USE	RESIDENTIAL** / BUSINESS (at PDV)
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RECOMMENDED SPEED LIMIT	45 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended speed of 45 mph is within 1.9 mph of the 85th percentile speed and meets CVC standards.

** RESIDENTIAL (non-fronting to roadway, separated by brick walls or landscaped hillsides)
* 25 MPH When Children Present, School Zone

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

PASEO DE VALENCIA

LA PAZ RD TO CABOT RD

DATE: 2/5/2020

SURVEY BY:

C. BUENDIA

TIME: 2:00 PM - 2:30 PM

CHECKED BY:

JERRY STOCK

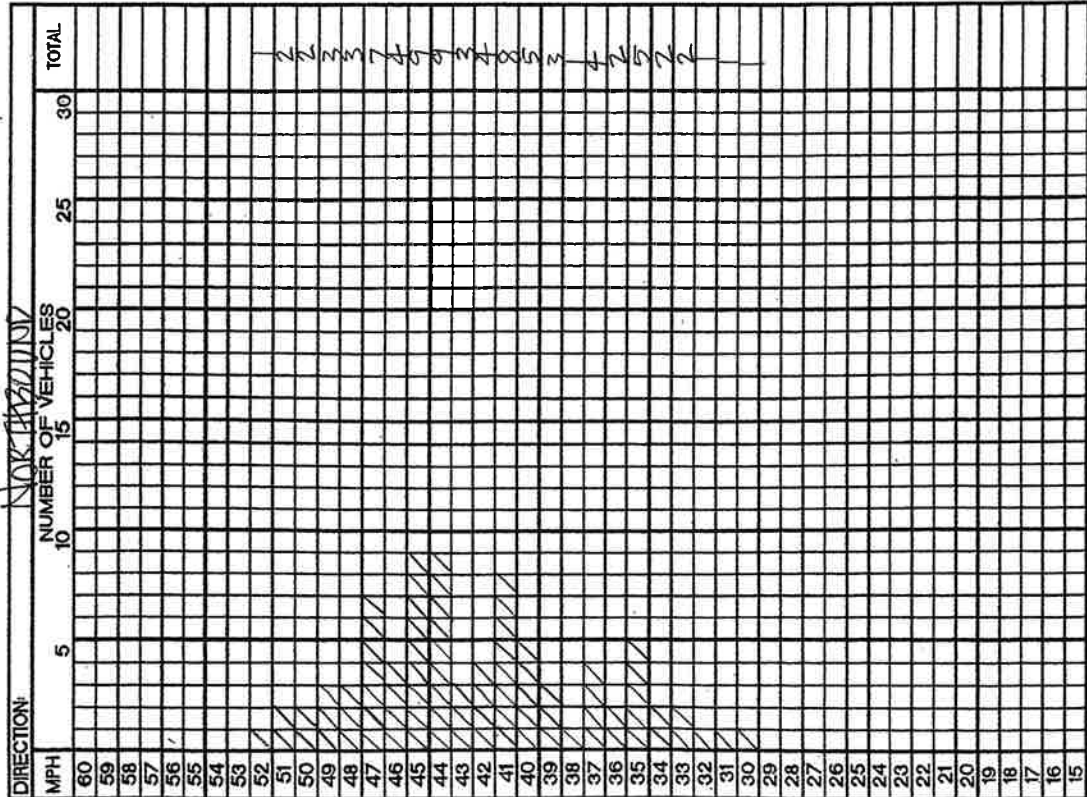
SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	99.4%
55					X	99.4%
54					X	98.7%
53					X	98.7%
52					X	98.1%
51					X	97.5%
50					X	97.5%
49						93.7% }PACE
48					X	90.5% }PACE
47					X	86.1% }PACE
46				X		75.3% }PACE ---85PCT
45				X		67.1% }PACE
44			X			53.2% }PACE
43			X			42.4% }PACE ----MEAN
42		X				35.4% }PACE
41		X				29.1% }PACE
40	X					22.8% }PACE
39	X					16.5%
38	X					13.9% ---15PCT
37	X					11.4%
36	X					8.9%
35	X					7.6%
34	X					4.4%
33	X					3.2%
32	X					1.9%
31	X					1.3%
30	X					0.6%
29	X					0.0%
28	X					0.0%
27	X					0.0%
26	X					0.0%
25	X					0.0%
24	X					0.0%
23	X					0.0%
22	X					0.0%
21	X					0.0%
20	X					0.0%
19	X					0.0%
18	X					0.0%
17	X					0.0%
16	X					0.0%
15	X					0.0%

UPPER LIMIT 10 MPH PACE: 49 MPH
 LOWER LIMIT 10 MPH PACE: 40 MPH
 PERCENT OVER PACE: 6.3 %
 PERCENT IN PACE: 77.2 %
 PERCENT UNDER PACE: 16.5 %

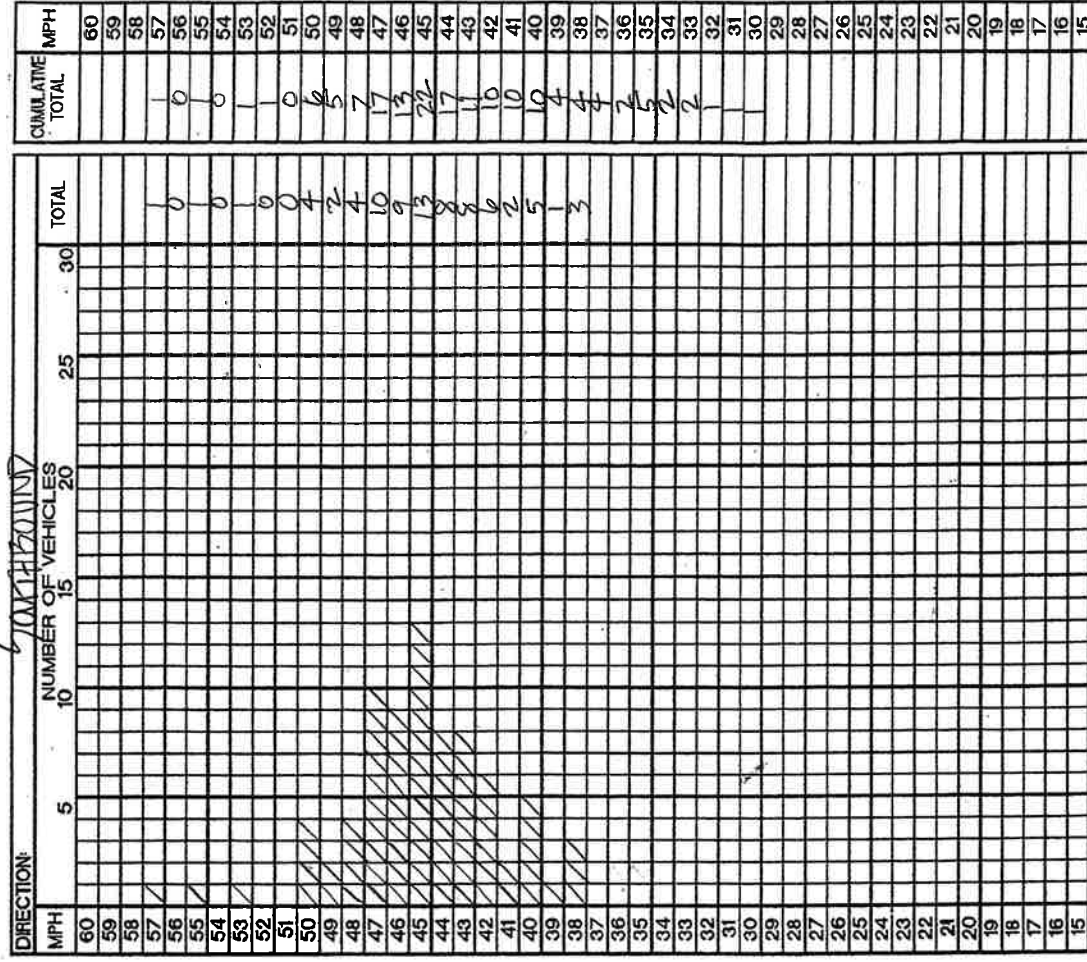
85th PERCENTILE SPEED: 46.9 MPH
 MEDIAN SPEED: 43.7 MPH
 15th PERCENTILE SPEED: 38.4 MPH

Radar Speed Survey Field Sheet

AGENCY: CITY OF LAGUNA HILLS DATE: 02-05-2022
 STREET: BASED DE VALENCIA START TIME: 2:00 PM
 LOCATION: LA PAZ RD TO CARPENT RD END TIME: 2:30 PM JKL
 WEATHER: WINDY
 ROAD CONDITION: DRY
 OBSERVER: CATHY BUENDIA



AVERAGE SPEED: _____ PACE SPEED: _____
 CRITICAL SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS): _____



AVERAGE SPEED: _____ PACE SPEED: _____
 CRITICAL SPEED: _____
 CUMULATIVE TOTAL: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



RAPID FALLS ROAD

CABOT RD TO LOST TRAIL DR

DATE: 1/7/2020
 TIME: 10:00 AM - 11:00 AM

SURVEY BY: C. BUENDIA
 CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	EAST OF LOST TRAIL
DATE OF SURVEY	1/7/2020
85th PERCENTILE	31.8 MPH
10 MPH PACE	25 - 34 MPH
PERCENT IN PACE	84.3 %
POSTED SPEED LIMIT	25 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	0
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	1,800
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - CABOT, STOP - LOST TRAIL
CROSSWALKS	AT CABOT
PEDESTRIAN/BICYCLES	YES / NO
TRUCK TRAFFIC	NO
ON-STREET PARKING	NO PARKING ANYTIME ENTIRE BLOCK
OTHER	AREAS OF PARKING WITH PERMIT (WB)

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.37
VERTICAL CURVE	GRADUAL-MODERATE UPHILL GRADES (WB)
HORIZONTAL CURVE	GRADUAL-MODERATE "C" CURVE
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / YES (many)
STREET LIGHTING	YES
OTHER	EQUESTRIAN TRAILS (EB) DBL YELLOW CENTERLINE & RAISED MEDIAN ISLAND

ADJACENT LAND USE	RESIDENTIAL (F)
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RECOMMENDED SPEED LIMIT	25 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
 This section of Rapid Falls Road is a two lane roadway. The speed study results show an 85th percentile speed of 31.8 mph and a 10 mph pace range of 25 to 34 mph. With the area consisting of the majority of residential, with many driveways fronting the roadway, a neighborhood park, moderate roadway curves and grades, and several areas of limited sight distance, with the residential nature of the area, it is recommended that the existing 25 mph be maintained.

NF = (non-fronting to roadway, separated by brick walls or landscaped hillsides)
 F = Fronting to roadway

RADAR SPEED DISTRIBUTION SHEET

CITY OF LAGUNA HILLS



RAPID FALLS ROAD

CABOT RD TO LOST TRAIL DR

DATE: 1/7/2020

SURVEY BY:

C. BUENDIA

TIME: 10:00 AM - 11:00 AM

CHECKED BY:

JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	100.0%
53					X	100.0%
52					X	100.0%
51					X	100.0%
50					X	100.0%
49					X	100.0%
48					X	100.0%
47					X	100.0%
46					X	100.0%
45					X	100.0%
44					X	100.0%
43					X	100.0%
42					X	100.0%
41					X	100.0%
40					X	100.0%
39					X	100.0%
38					X	100.0%
37					X	100.0%
36					X	100.0%
35					X	99.1%
34					X	95.7% }PACE
33					X	90.4% }PACE
32					X	87.0% }PACE
31					X	77.4% }PACE ---85PCT
30					X	66.1% }PACE
29					X	53.9% }PACE
28					X	45.2% }PACE ---MEAN
27					X	34.8% }PACE
26					X	23.5% }PACE
25					X	17.4% }PACE
24					X	11.3% ---15PCT
23					X	8.7%
22					X	7.8%
21					X	5.2%
20					X	2.6%
19					X	0.9%
18					X	0.0%
17					X	0.0%
16					X	0.0%
15					X	0.0%

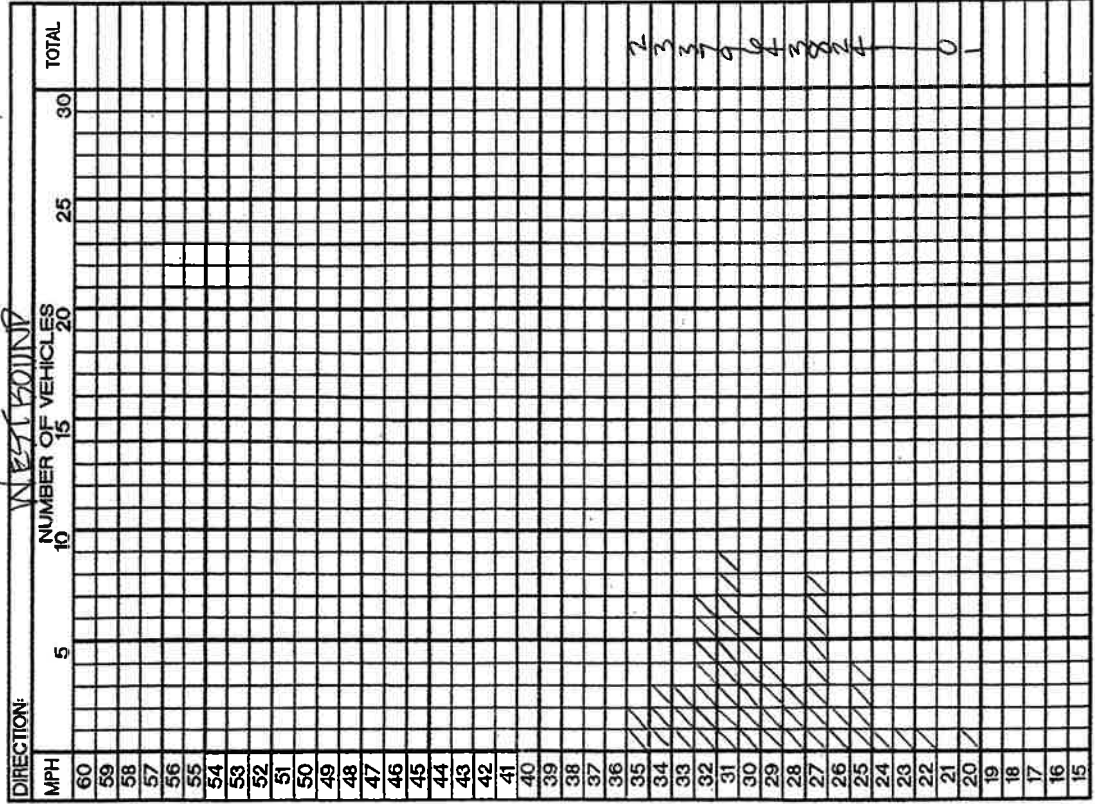
UPPER LIMIT 10 MPH PACE: 34 MPH
 LOWER LIMIT 10 MPH PACE: 25 MPH
 PERCENT OVER PACE: 4.3 %
 PERCENT IN PACE: 84.3 %
 PERCENT UNDER PACE: 11.3 %

85th PERCENTILE SPEED: 31.8 MPH
 MEDIAN SPEED: 28.6 MPH
 15th PERCENTILE SPEED: 24.6 MPH

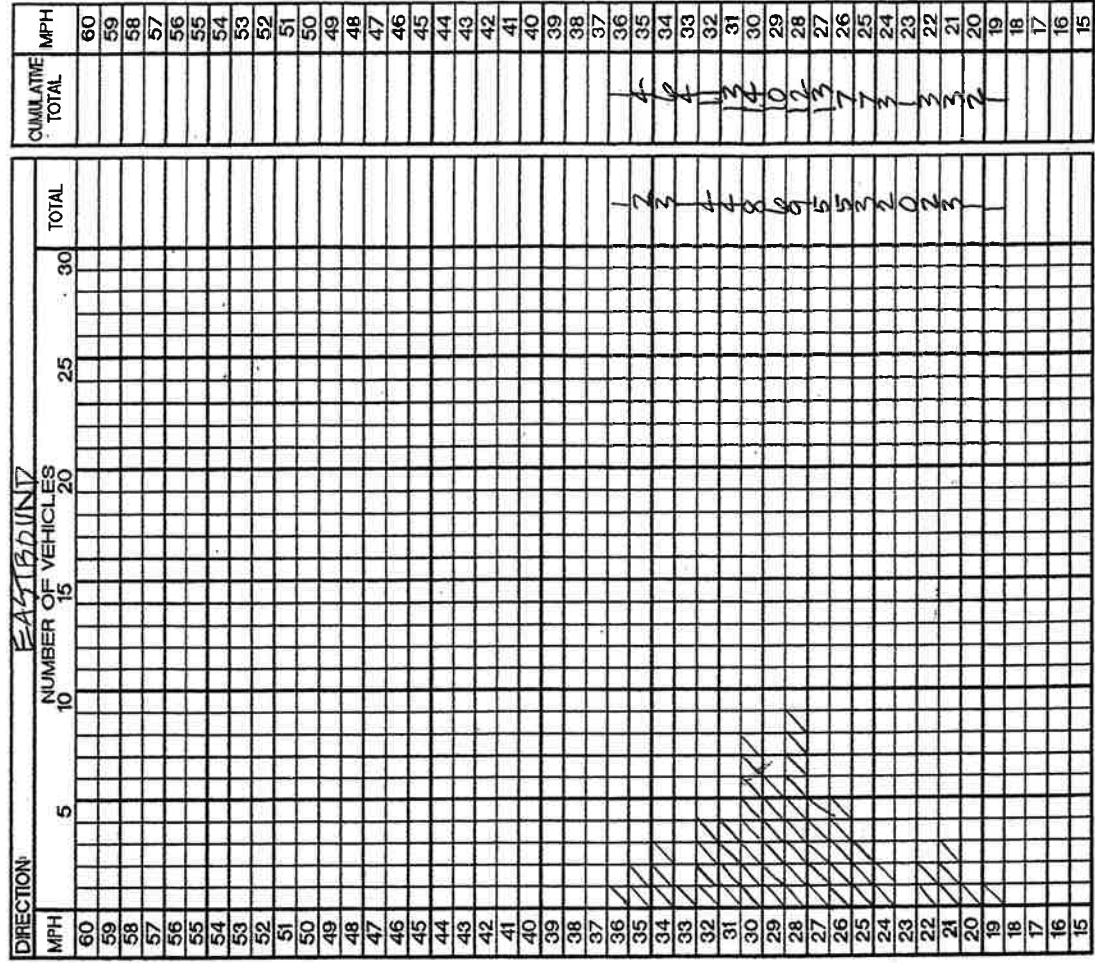
Radar Speed Survey Field Sheet

HARTZOG AND CABRILL INC.
 Consulting Traffic Engineers
 11997 John Rd., Suite 102, Irvine, CA 92618
 (714) 331-9100

AGENCY: CITY OF LAGUNA DATE: 01-07-2020
 STREET: RAPID FALLS ROAD START TIME: 10:00 AM
 LOCATION: CABOT RD TO LOST TRAIL DR END TIME: 11:00 AM ✓ OK
 WEATHER: SUNNY
 ROAD CONDITION: DRY
 OBSERVER: CATHY BUENDIA



AVERAGE SPEED: _____ PACE SPEED: _____
 CRITICAL SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____



AVERAGE SPEED: _____ PACE SPEED: _____
 CRITICAL SPEED: _____
 CUMULATIVE TOTAL _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



RIDGE ROUTE DRIVE

AVD DE LA CARLOTA TO MOULTON PKWY

DATE: 1/15/2020
 TIME: 12:45 PM - 1:15 PM

SURVEY BY: C. BUENDIA
 CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	EAST OF MOULTON
DATE OF SURVEY	1/15/2020
85th PERCENTILE	45.7 MPH
10 MPH PACE	37 - 46 MPH
PERCENT IN PACE	80.5 %
POSTED SPEED LIMIT	45 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	1
TOTAL ACCIDENTS	8
ANNUAL ACCIDENT RATE	0.50 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.18 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	7,900
LANE CONFIGURATION	1-2 LANE PER DIRECTION (2 lanes near Carlota)
TRAFFIC CONTROLS	SIGNAL - AVENIDA DE LA CARLOTA / PERALTA / MOULTON
CROSSWALKS	AT AVENIDA DE LA CARLOTA / PERALTA / MOULTON
PEDESTRIAN/BICYCLES	FEW / FEW
TRUCK TRAFFIC	YES
ON-STREET PARKING	NO STOPPING ANYTME ENTIRE BLOCK
OTHER	

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.94
VERTICAL CURVE	SLIGHT UP-DOWNHILL GRADES
HORIZONTAL CURVE	GRADUAL "C" CURVE (near Avd Carlota)
LATERAL VISIBILITY	GOOD
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / YES
STREET LIGHTING	YES
OTHER	DBL YELLOW CENTERLINE

ADJACENT LAND USE	RESIDENTIAL (NF) / COMMERCIAL / BUSINESS / DOG PARK
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RECOMMENDED SPEED LIMIT	45 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
 The recommended speed of 45 mph is within 0.7 mph of the 85th percentile speed and meets CVC standards.

NF = Non-fronting

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

RIDGE ROUTE DRIVE

AVD DE LA CARLOTA TO MOULTON PKWY

DATE: 1/15/2020

SURVEY BY:

C. BUENDIA

TIME: 12:45 PM - 1:15 PM

CHECKED BY:

JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	100.0%
53					X	100.0%
52					X	99.4%
51					X	98.1%
50					X	96.9%
49					X	95.0%
48					X	94.3%
47					X	91.2%
46				X		85.5% }PACE
45				X		83.6% }PACE ---85PCT
44				X		74.2% }PACE
43			X			66.7% }PACE
42			X			59.7% }PACE
41		X				49.7% }PACE ---MEAN
40		X				36.5% }PACE
39		X				26.4% }PACE
38		X				18.2% }PACE
37	X					11.3% }PACE ---15PCT
36	X					5.0%
35	X					3.1%
34	X					1.3%
33	X					0.6%
32	X					0.6%
31	X					0.0%
30	X					0.0%
29	X					0.0%
28	X					0.0%
27	X					0.0%
26	X					0.0%
25	X					0.0%
24	X					0.0%
23	X					0.0%
22	X					0.0%
21	X					0.0%
20	X					0.0%
19	X					0.0%
18	X					0.0%
17	X					0.0%
16	X					0.0%
15	X					0.0%

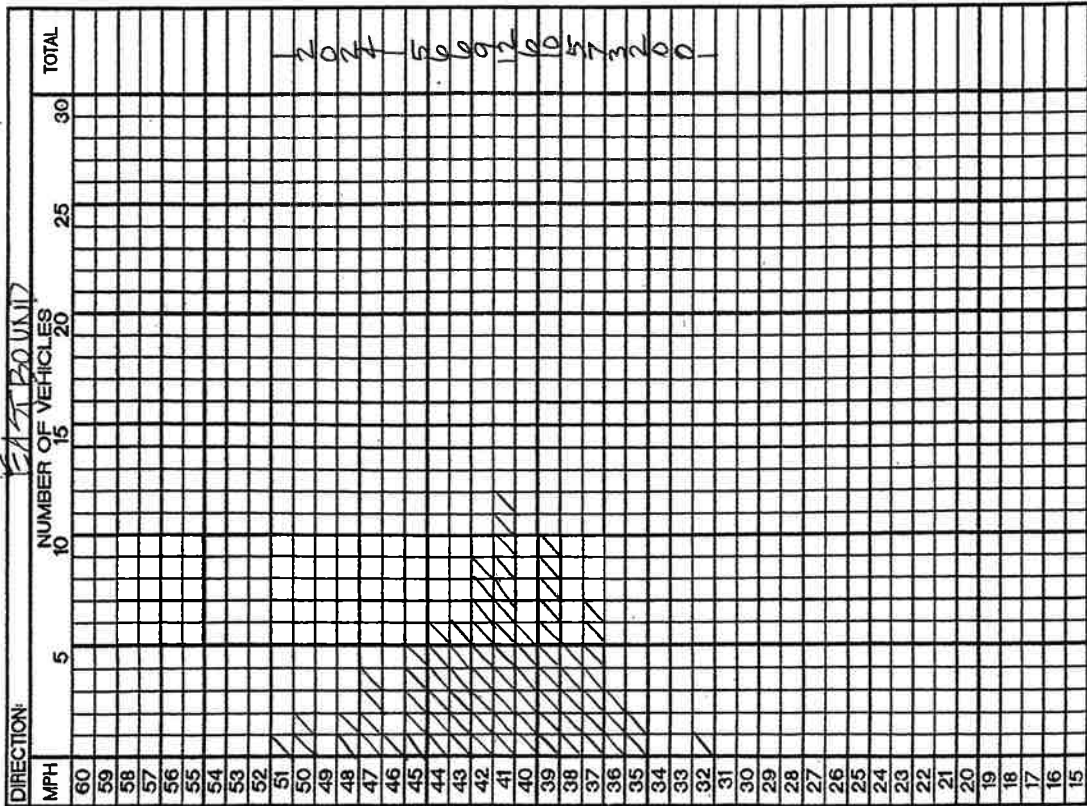
UPPER LIMIT 10 MPH PACE: 46 MPH
 LOWER LIMIT 10 MPH PACE: 37 MPH
 PERCENT OVER PACE: 16.4 %
 PERCENT IN PACE: 80.5 %
 PERCENT UNDER PACE: 5.0 %

85th PERCENTILE SPEED: 45.7 MPH
 MEDIAN SPEED: 41.0 MPH
 15th PERCENTILE SPEED: 37.5 MPH

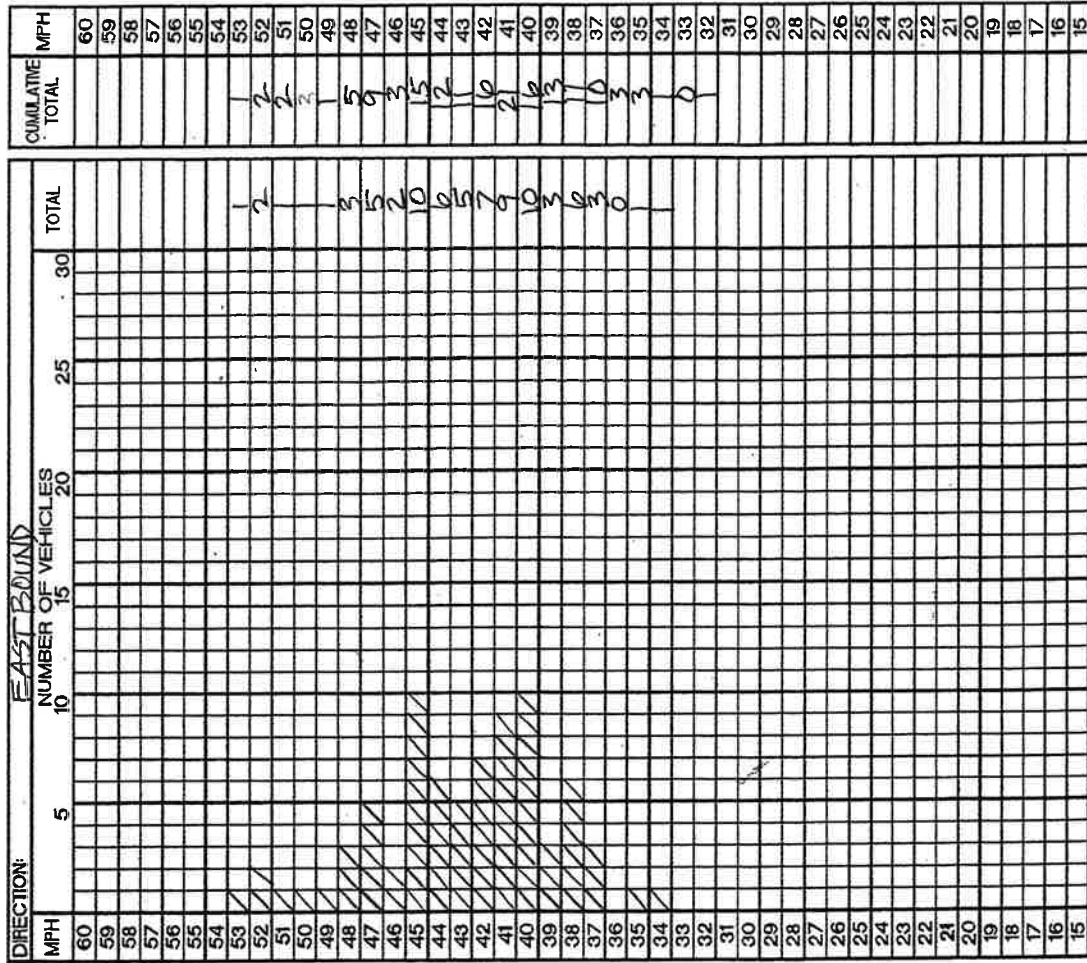
Radar Speed Survey Field Sheet

HARTZOG AND CRIBB INC.
COUNTY TRAFFIC ENGINEERS
11221 Main Blvd., Suite 174, Lake CA, 92649
(714) 741-9155

AGENCY: CITY OF LAJANIA HILLS DATE: 01-15-2020
 STREET: RISE ROUTE DRIVE ROAD CONDITION: DRY START TIME: 12:45 PM
 LOCATION: AVENIDA DE LA CARLOTA TO MOUNGTON PARK OBSERVER: CATHY BUENDIA END TIME: 1:15 PM VML



AVERAGE SPEED: _____ PACE SPEED: _____
 CRITICAL SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____



AVERAGE SPEED: _____ PACE SPEED: _____
 CRITICAL SPEED: _____
 CUMULATIVE TOTAL _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



RIDGE ROUTE DRIVE

MOULTON PKWY TO SANTA VITTORIA

DATE: 1/15/2020
 TIME: 1:15 PM - 2:00 PM

SURVEY BY: C. BUENDIA
 CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	WEST OF MILL CREEK
DATE OF SURVEY	1/15/2020
85th PERCENTILE	46.1 MPH
10 MPH PACE	37 - 46 MPH
PERCENT IN PACE	65.8 %
POSTED SPEED LIMIT	45 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	1
TOTAL ACCIDENTS	5
ANNUAL ACCIDENT RATE	0.50 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.42 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	4,100
LANE CONFIGURATION	2 LANES PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - MOULTON, STOP - SANTA VITTORIA
CROSSWALKS	AT MOULTON / SANTA VITTORIA
PEDESTRIAN/BICYCLES	FEW / NO
TRUCK TRAFFIC	YES
ON-STREET PARKING	NO STOPPING ANYTME ENTIRE BLOCK
OTHER	SMALL SECTION OF SEGMENT OVERLAPS WITH THE CITY OF LAGUNA WOODS

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.80
VERTICAL CURVE	MODERATE UP-DOWNHILL GRADES
HORIZONTAL CURVE	SLIGHT "S" CURVE
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE
ROAD CONDITIONS	FAIR
SIDEWALKS/DRIVEWAYS	YES / FEW
STREET LIGHTING	YES
OTHER	DBL YELLOW PAINTED ISLAND WIDE ROADWAY

ADJACENT LAND USE	RESIDENTIAL (NF) / COMMERCIAL (at Moulton)
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RECOMMENDED SPEED LIMIT	45 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
 The recommended speed of 45 mph is within 1.1 mph of the 85th percentile speed and meets CVC standards.

NF = Non-fronting to roadway

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

RIDGE ROUTE DRIVE

MOULTON PKWY TO SANTA VITTORIA

DATE: 1/15/2020

SURVEY BY:

C. BUENDIA

TIME: 1:15 PM - 2:00 PM

CHECKED BY:

JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 100.0%
58						X 100.0%
57						X 100.0%
56						X 100.0%
55						X 100.0%
54						X 100.0%
53						X 100.0%
52						X 100.0%
51						X 98.6%
50						X 98.6%
49						X 96.6%
48						X 93.8%
47						X 90.4%
46						X 84.2% }PACE ---85PCT
45						X 80.1% }PACE
44						X 73.3% }PACE
43						X 69.2% }PACE
42						X 61.0% }PACE
41						X 54.8% }PACE
40						X 47.3% }PACE ---MEAN
39						X 37.7% }PACE
38						X 30.8% }PACE
37						X 27.4% }PACE
36						X 18.5% ---15PCT
35						X 14.4%
34						X 8.9%
33						X 7.5%
32						X 4.8%
31						X 2.1%
30						X 1.4%
29						X 0.0%
28						X 0.0%
27						X 0.0%
26						X 0.0%
25						X 0.0%
24						X 0.0%
23						X 0.0%
22						X 0.0%
21						X 0.0%
20						X 0.0%
19						X 0.0%
18						X 0.0%
17						X 0.0%
16						X 0.0%
15						X 0.0%

UPPER LIMIT 10 MPH PACE: 46 MPH
 LOWER LIMIT 10 MPH PACE: 37 MPH
 PERCENT OVER PACE: 19.9 %
 PERCENT IN PACE: 65.8 %
 PERCENT UNDER PACE: 18.5 %

85th PERCENTILE SPEED: 46.1 MPH
 MEDIAN SPEED: 40.4 MPH
 15th PERCENTILE SPEED: 35.2 MPH

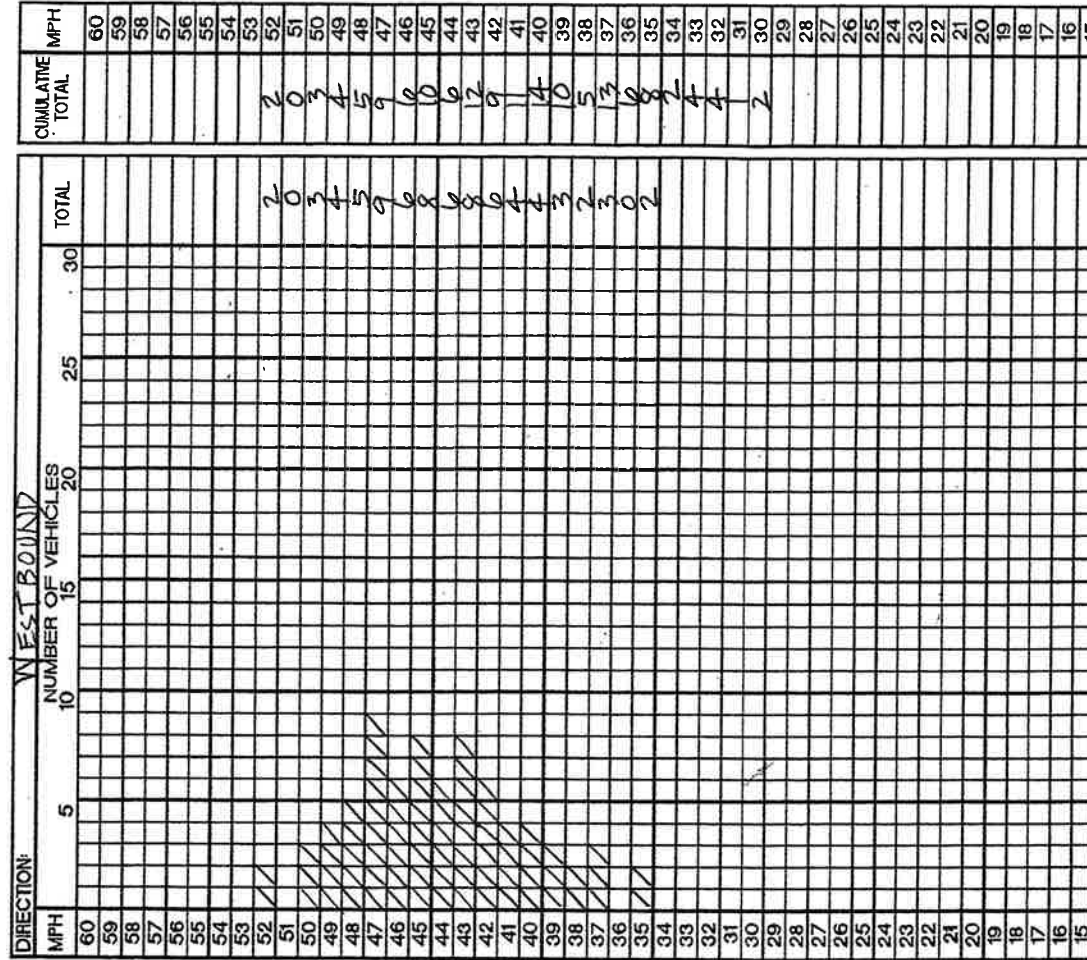
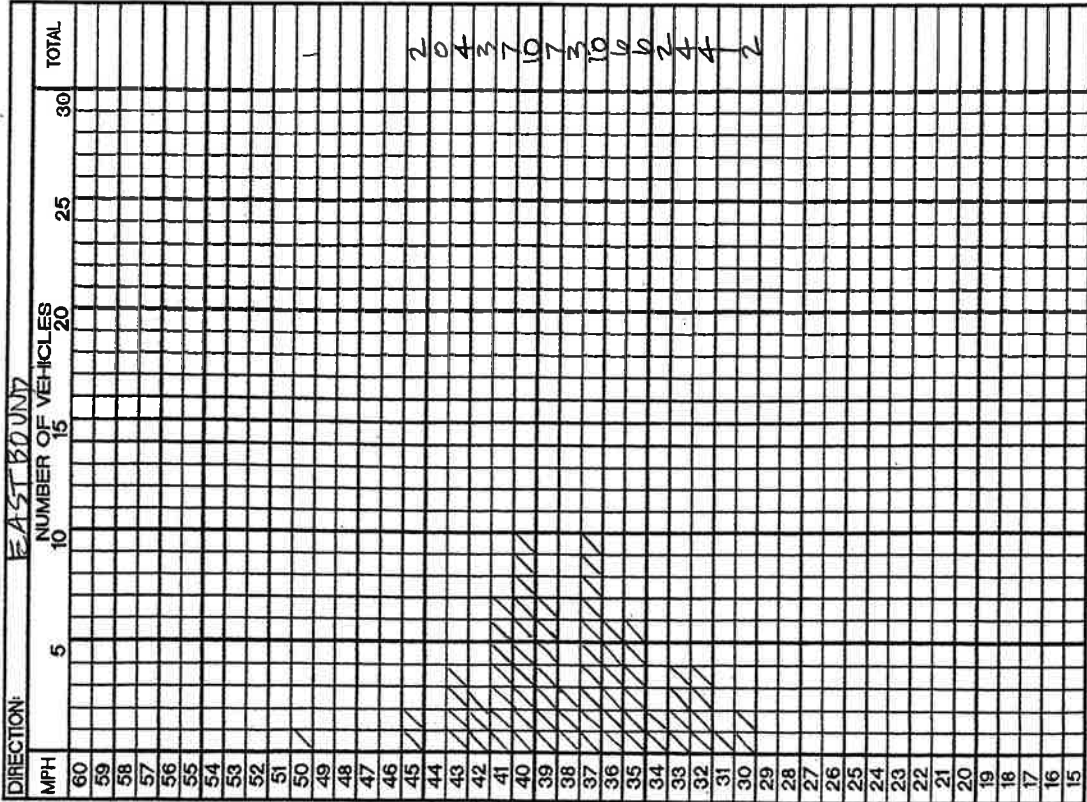
Radar Speed Survey Field Sheet

HARTZOG AND CRABILL, INC.
Consulting Traffic Engineers
11521 Main Blvd., Suite 122, Tustin, CA 92680
(714) 731-7005

AGENCY: CITY OF LAGUNA HILLS
STREET: RIDGE ROUTE DRIVE
LOCATION: MOULTON PKWY TO SANTA VICTORIA DR

WEATHER: SUNNY
ROAD CONDITION: DRY
OBSERVER: CATHY BUENDIA

DATE: 01-15-2020
START TIME: 1:15 PM
END TIME: 2:00 PM VJK



AVERAGE SPEED: _____ PACE SPEED: _____
CRITICAL SPEED: _____
CUMULATIVE (BOTH DIRECTIONS): _____

AVERAGE SPEED: _____ PACE SPEED: _____
CRITICAL SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



SAN REMO DRIVE

SANTA VITTORIA DR TO SANTA MARIA AVE

DATE: 1/21/2020
 TIME: 11:30 AM - 12:30 PM

SURVEY BY: C. BUENDIA
 CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	NORTH OF PALERMA
DATE OF SURVEY	1/21/2020
85th PERCENTILE	31.5 MPH
10 MPH PACE	25 - 34 MPH
PERCENT IN PACE	93.6 %
POSTED SPEED LIMIT	30 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	0
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	1,100
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	STOP - SANTA MARIA / SANTA VITTORIA
CROSSWALKS	NONE
PEDESTRIAN/BICYCLES	YES / NO
TRUCK TRAFFIC	NO
ON-STREET PARKING	NO STOPPING ANYTME
OTHER	BUS STOPS

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.59
VERTICAL CURVE	CONSTANT MODERATE UPHILL GRADES (NB)
HORIZONTAL CURVE	MODERATE - SHARP "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE (poor)
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / NO
STREET LIGHTING	YES
OTHER	SINGLE YELLOW CENTERLINE NARROW SHOULDERS

ADJACENT LAND USE	RESIDENTIAL (NF) / NEIGHBORHOOD PARK
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RECOMMENDED SPEED LIMIT	30 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
 The recommended speed of 30 mph is within 1.5 mph of the 85th percentile speed and meets CVC standards.

File: San Remo 2020-57

NF = Non-fronting to roadway

RADAR SPEED DISTRIBUTION SHEET

CITY OF LAGUNA HILLS



SAN REMO DRIVE

SANTA VITTORIA DR TO SANTA MARIA AVE

DATE: 1/21/2020

SURVEY BY:

C. BUENDIA

TIME: 11:30 AM - 12:30 PM

CHECKED BY:

JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	100.0%
53					X	100.0%
52					X	100.0%
51					X	100.0%
50					X	100.0%
49					X	100.0%
48					X	100.0%
47					X	100.0%
46					X	100.0%
45					X	100.0%
44					X	100.0%
43					X	100.0%
42					X	100.0%
41					X	100.0%
40					X	100.0%
39					X	100.0%
38					X	100.0%
37					X	99.2%
36					X	99.2%
35					X	97.6%
34					X	96.0% }PACE
33					X	93.6% }PACE
32					X	88.0% }PACE
31					X	81.6% }PACE ---85PCT
30					X	73.6% }PACE
29					X	59.2% }PACE
28					X	47.2% }PACE ---MEAN
27					X	32.8% }PACE
26					X	19.2% }PACE
25					X	11.2% }PACE ---15PCT
24	X					2.4%
23	X					0.8%
22	X					0.0%
21	X					0.0%
20	X					0.0%
19	X					0.0%
18	X					0.0%
17	X					0.0%
16	X					0.0%
15	X					0.0%

UPPER LIMIT 10 MPH PACE: 34 MPH
 LOWER LIMIT 10 MPH PACE: 25 MPH
 PERCENT OVER PACE: 4.0 %
 PERCENT IN PACE: 93.6 %
 PERCENT UNDER PACE: 2.4 %

85th PERCENTILE SPEED: 31.5 MPH
 MEDIAN SPEED: 28.2 MPH
 15th PERCENTILE SPEED: 25.5 MPH

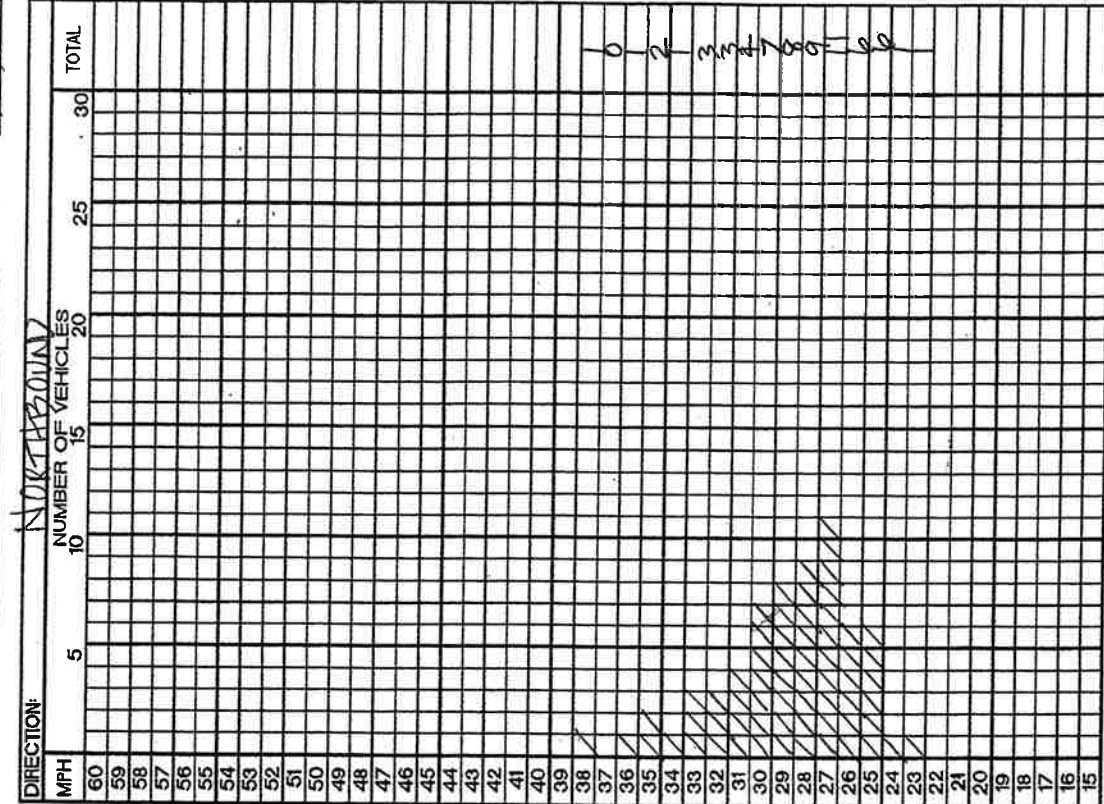
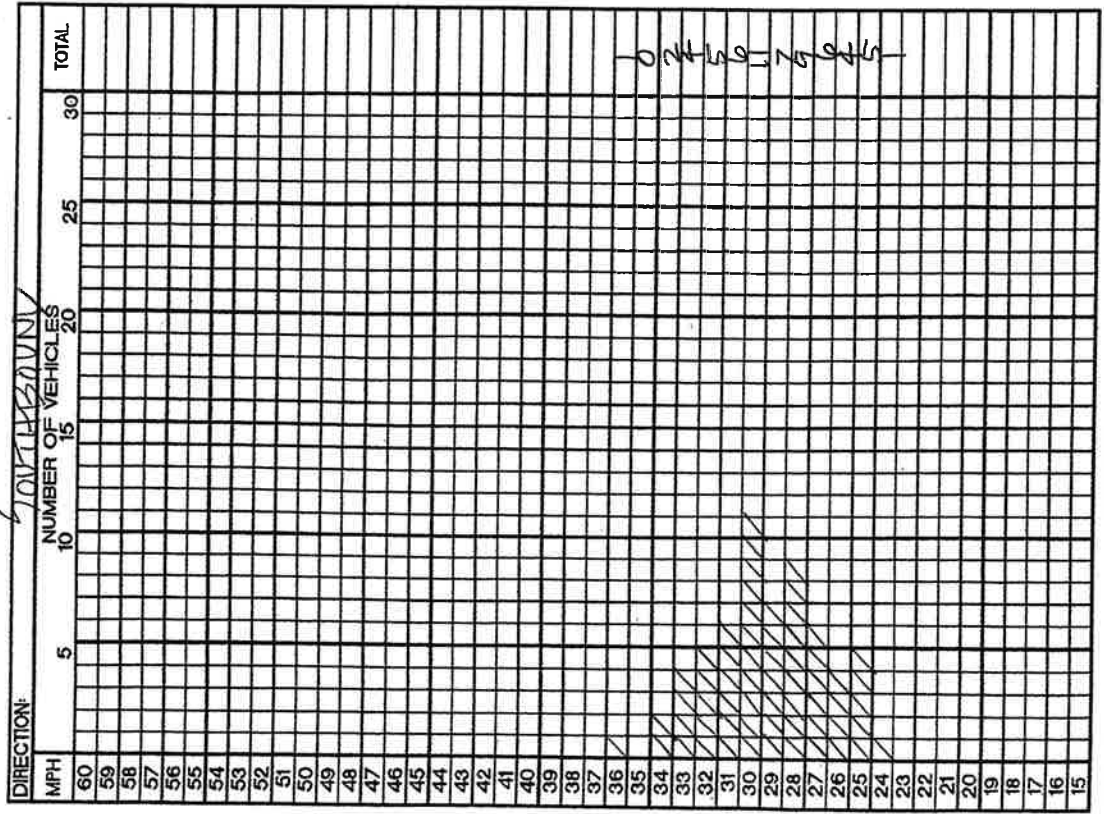
Radar Speed Survey Field Sheet

HARTZOG AND CRABELL INC.
Consulting Traffic Engineers
11992 John Blvd., Suite 121, John's CA 92650
(714) 731-1155

AGENCY: CITY OF LAGUNA HILLS
STREET: SAN REMO DRIVE
LOCATION: SANTA VICTORIA DR TO SANTA MARIA AVE

WEATHER: SUNNY
ROAD CONDITION: DRY
OBSERVER: CATHY BUENDIA

DATE: 01-21-2020
START TIME: 11:30 AM
END TIME: 12:30 PM



ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



SANTA MARIA AVENUE

SAN REMO DR TO SANTA VITTORIA DR

DATE: 1/21/2020

SURVEY BY: C. BUENDIA

TIME: 10:30 AM - 11:15 AM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	WEST OF SAN REMO
DATE OF SURVEY	1/21/2020
85th PERCENTILE	41.8 MPH
10 MPH PACE	32 - 41 MPH
PERCENT IN PACE	77.3 %
POSTED SPEED LIMIT	40 MPH / 25 MPH*

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	0
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	5,600
LANE CONFIGURATION	2 LANES PER DIRECTION
TRAFFIC CONTROLS	STOP - VIA VISTA
CROSSWALKS	AT VIA VISTA
PEDESTRIAN/BICYCLES	YES / YES
TRUCK TRAFFIC	NO
ON-STREET PARKING	PARTIAL
OTHER	BUS STOPS NO PARKING ENTIRE BLOCK

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.71
VERTICAL CURVE	SLIGHT UP-DOWNHILL GRADES
HORIZONTAL CURVE	MODERATE "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE (poor)
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / NO
STREET LIGHTING	YES
OTHER	DBL YELLOW CENTERLINE & RAISED MEDIAN ISLAND

ADJACENT LAND USE	RESIDENTIAL (F+NF) / ELEM SCHOOL / PARK / COMMERCIAL (at Moulton)
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RECOMMENDED SPEED LIMIT	40 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended 40 mph speed limit is within 1.8 mph of the 85th percentile speed and meets CVC standards.

* 25 MPH When Children Present, School Zone
F+NF = Fronting + Non-fronting

RADAR SPEED DISTRIBUTION SHEET

CITY OF LAGUNA HILLS



SANTA MARIA AVENUE

SAN REMO DR TO SANTA VITTORIA DR

DATE: 1/21/2020

SURVEY BY: C. BUENDIA

TIME: 10:30 AM - 11:15 AM

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 100.0%
58						X 100.0%
57						X 100.0%
56						X 100.0%
55						X 100.0%
54						X 100.0%
53						X 100.0%
52						X 100.0%
51						X 100.0%
50						X 100.0%
49						X 100.0%
48						X 98.9%
47						X 98.3%
46						X 97.8%
45						X 96.7%
44						X 93.9%
43						X 89.5%
42						X 85.6%
41						X 82.9% }PACE ---85PCT
40						X 74.6% }PACE
39						X 62.4% }PACE
38						X 55.2% }PACE
37						X 45.3% }PACE ---MEAN
36						X 34.8% }PACE
35						X 30.9% }PACE
34						X 22.1% }PACE
33						X 16.6% }PACE
32						X 8.8% }PACE ---15PCT
31						X 5.5%
30						X 2.8%
29						X 1.1%
28						X 0.6%
27						X 0.0%
26						X 0.0%
25						X 0.0%
24						X 0.0%
23						X 0.0%
22						X 0.0%
21						X 0.0%
20						X 0.0%
19						X 0.0%
18						X 0.0%
17						X 0.0%
16						X 0.0%
15						X 0.0%

UPPER LIMIT 10 MPH PACE: 41 MPH
 LOWER LIMIT 10 MPH PACE: 32 MPH
 PERCENT OVER PACE: 17.1 %
 PERCENT IN PACE: 77.3 %
 PERCENT UNDER PACE: 5.5 %

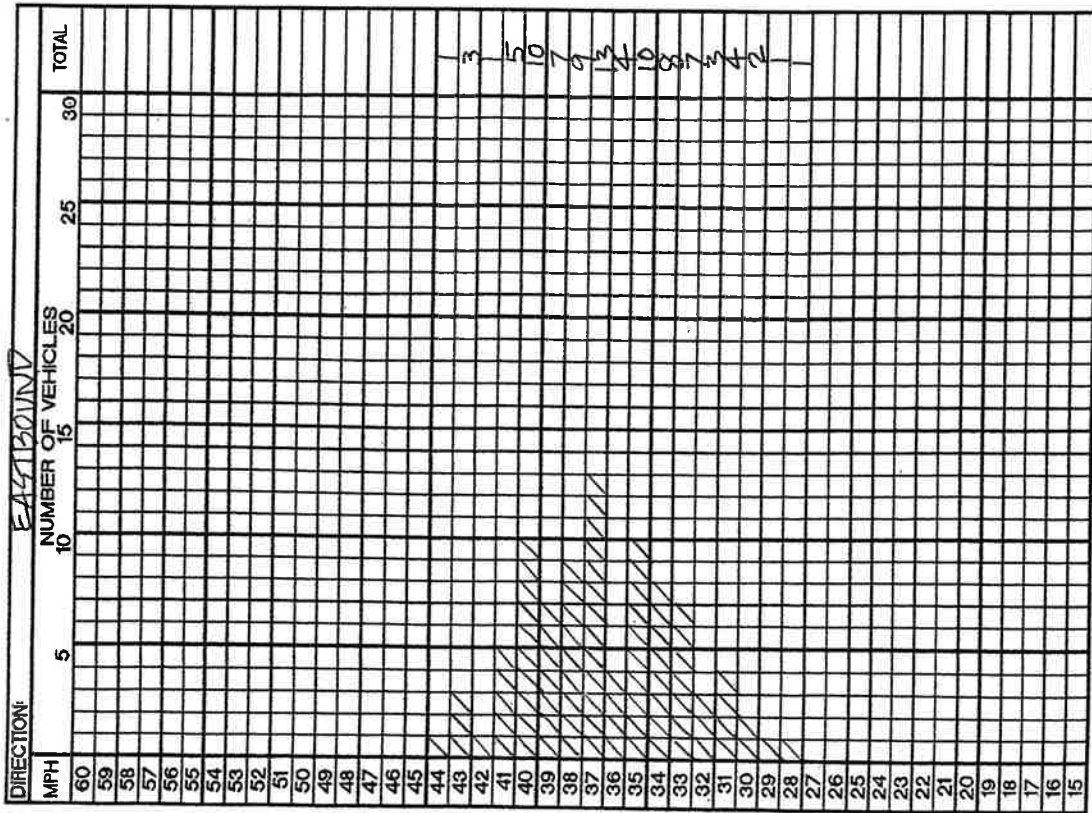
85th PERCENTILE SPEED: 41.8 MPH
 MEDIAN SPEED: 37.5 MPH
 15th PERCENTILE SPEED: 32.8 MPH

Radar Speed Survey Field Sheet

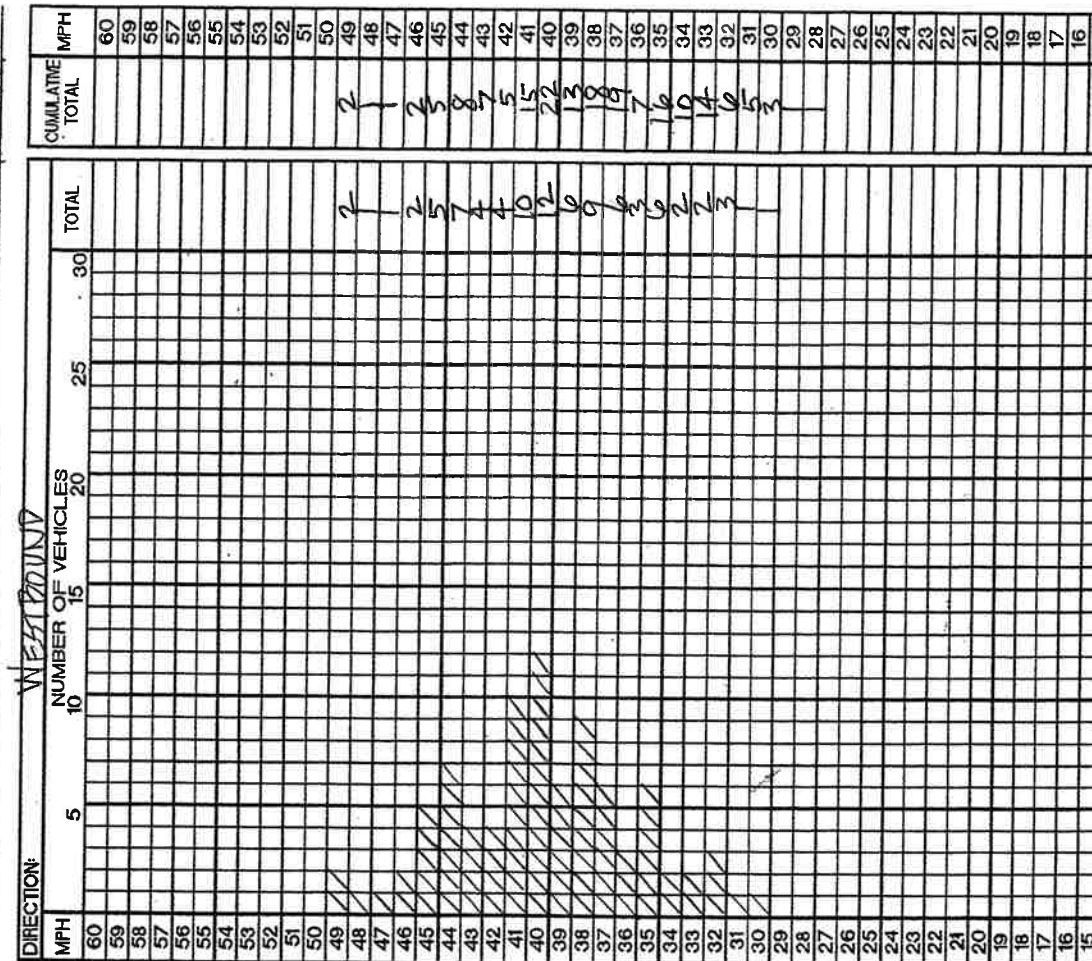
HARTZOG AND CRABILL INC.
County Traffic Engineers
11991 Lake Blvd., Suite 121 Lake CA 92680
(714) 731-9425

AGENCY: CITY OF LAGUNA HILLS
STREET: SANTA MARIA AVENUE
LOCATION: SAN REMO DR. TO SANTA VICTORIA DR.

WEATHER: SUNNY DATE: 01-21-2020
ROAD CONDITION: DRY START TIME: 10:30 AM
OBSERVER: CATHY BUENDIA END TIME: 11:15 AM 1/1/20



AVERAGE SPEED: _____ PACE SPEED: _____
CRITICAL SPEED: _____
CUMULATIVE (BOTH DIRECTIONS) _____



AVERAGE SPEED: _____ PACE SPEED: _____
CRITICAL SPEED: _____
CUMULATIVE TOTAL _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



SANTA VITTORIA DRIVE

LAKE FOREST DR TO RIDGE ROUTE DR

DATE: 1/21/2020

SURVEY BY: C. BUENDIA

TIME: 1:40 PM - 2:30 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	NORTH OF AVE COPETE
DATE OF SURVEY	1/21/2020
85th PERCENTILE	32.3 MPH
10 MPH PACE	25 - 34 MPH
PERCENT IN PACE	88.7 %
POSTED SPEED LIMIT	30 MPH
	25 MPH Advisory at Curves

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	5
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	7,200
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	SIGNAL - LAKE FOREST, STOP - RIDGE ROUTE
CROSSWALKS	AT LAKE FOREST / RIDGE ROUTE
PEDESTRIAN/BICYCLES	FEW / NO
TRUCK TRAFFIC	NO
ON-STREET PARKING	PARTIAL
OTHER	AREAS OF NO STOPPING ANYTIME HEAVY ON-STREET PARKING (s/o Lake Forest)

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.65
VERTICAL CURVE	MODERATE UP-DOWNHILL GRADES
HORIZONTAL CURVE	MODERATE - SHARP "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE (poor)
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / FEW
STREET LIGHTING	YES
OTHER	PARTIAL DBL YELLOW CENTERLINE & RAISED MEDIAN ISLAND BUS STOPS

ADJACENT LAND USE	RESIDENTIAL (fronting with no direct driveway access)
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RECOMMENDED SPEED LIMIT	30 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended 30 mph speed limit is within 2.3 mph of the 85th percentile speed and meets CVC standards.

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

SANTA VITTORIA DRIVE

DATE: 1/21/2020

TIME: 1:40 PM - 2:30 PM

LAKE FOREST DR TO RIDGE ROUTE DR

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	100.0%
53					X	100.0%
52					X	100.0%
51					X	100.0%
50					X	100.0%
49					X	100.0%
48					X	100.0%
47					X	100.0%
46					X	100.0%
45					X	100.0%
44					X	100.0%
43					X	100.0%
42					X	100.0%
41					X	100.0%
40					X	100.0%
39					X	99.2%
38					X	98.4%
37					X	96.8%
36					X	96.0%
35					X	95.2%
34					X	93.5% }PACE
33					X	90.3% }PACE
32					X	83.1% }PACE ---85PCT
31				X	X	73.4% }PACE
30			X	X		59.7% }PACE
29			X			50.8% }PACE
28		X	X			34.7% }PACE ---MEAN
27		X				25.0% }PACE
26	X					14.5% }PACE ---15PCT
25	X					10.5% }PACE
24	X					4.8%
23	X					4.0%
22	X					2.4%
21	X					0.8%
20	X					0.8%
19	X					0.0%
18	X					0.0%
17	X					0.0%
16	X					0.0%
15	X					0.0%

UPPER LIMIT 10 MPH PACE: 34 MPH
 LOWER LIMIT 10 MPH PACE: 25 MPH
 PERCENT OVER PACE: 6.5 %
 PERCENT IN PACE: 88.7 %
 PERCENT UNDER PACE: 4.8 %

85th PERCENTILE SPEED: 32.3 MPH
 MEDIAN SPEED: 29.0 MPH
 15th PERCENTILE SPEED: 26.0 MPH

Radar Speed Survey Field Sheet

HARTZOG AND CRABILL INC.

AGENCY: CITY OF LAGUNA HILLS
 STREET: SANTA VITTORIA DRIVE
 LOCATION: LAKE FOREST DR. TO RIDGE ROUTE DR

WEATHER: SUNNY
 ROAD CONDITION: DRY
 OBSERVER: CATHY BUENDIA

DATE: 01-21-2020
 START TIME: 1:40 PM
 END TIME: 2:30 PM VAV

DIRECTION: SOUTHBOUND

MPH	5	10	15	20	25	30	TOTAL
60							
59							
58							
57							
56							
55							
54							
53							
52							
51							
50							
49							
48							
47							
46							
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44							
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42							
41							
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19							
18							
17							
16							
15							

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

DIRECTION: NORTHBOUND

MPH	5	10	15	20	25	30	TOTAL
60							
59							
58							
57							
56							
55							
54							
53							
52							
51							
50							
49							
48							
47							
46							
45							
44							
43							
42							
41							
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19							
18							
17							
16							
15							

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



SANTA VITTORIA DRIVE

RIDGE ROUTE DR TO SANTA MARIA AVE

DATE: 1/15/2020

SURVEY BY: C. BUENDIA

TIME: 2:10 PM - 3:15 PM

CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	SOUTH OF AVD DEL SOL
DATE OF SURVEY	1/15/2020
85th PERCENTILE	34.9 MPH
10 MPH PACE	27 - 36 MPH
PERCENT IN PACE	88.2 %
POSTED SPEED LIMIT	30 MPH / 25 MPH*

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	1
TOTAL ACCIDENTS	3
ANNUAL ACCIDENT RATE	0.50 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.96 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	2,300
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	STOP - SANTA MARIA / RIDGE ROUTE
CROSSWALKS	AT SANTA MARIA / RIDGE ROUTE
PEDESTRIAN/BICYCLES	YES / NO
TRUCK TRAFFIC	NO
ON-STREET PARKING	PARTIAL
OTHER	AREAS OF NO STOPPING ANYTIME HEAVY PARKING (near Barbera Elem Sch) at school release / BUS STOPS

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.62
VERTICAL CURVE	GRADUAL UP-DOWNHILL GRADES
HORIZONTAL CURVE	MODERATE - SHARP "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE (poor)
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / NO
STREET LIGHTING	YES
OTHER	DBL YELLOW CENTERLINE AREAS OF NARROW ROADWAY

ADJACENT LAND USE	RESIDENTIAL (NF) / ELEM SCH
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RECOMMENDED SPEED LIMIT	30 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
The recommended 30 mph speed limit is within 4.9 mph of the 85th percentile speed and meets CVC standards.

* 25 MPH When Children Present, School Zone
NF = Non-fronting to roadway

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

SANTA VITTORIA DRIVE

DATE: 1/15/2020

TIME: 2:10 PM - 3:15 PM

RIDGE ROUTE DR TO SANTA MARIA AVE

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60						X 100.0%
59						X 100.0%
58						X 100.0%
57						X 100.0%
56						X 100.0%
55						X 100.0%
54						X 100.0%
53						X 100.0%
52						X 100.0%
51						X 100.0%
50						X 100.0%
49						X 100.0%
48						X 100.0%
47						X 100.0%
46						X 100.0%
45						X 100.0%
44						X 100.0%
43						X 100.0%
42						X 100.0%
41						X 99.2%
40						X 99.2%
39						X 99.2%
38						X 98.4%
37						X 95.3%
36					X	91.3% }PACE
35					X	85.8% }PACE
34				X	X	80.3% }PACE ---85PCT
33				X		74.8% }PACE
32				X		67.7% }PACE
31			X			58.3% }PACE
30			X			51.2% }PACE
29		X				33.1% }PACE ---MEAN
28		X				22.0% }PACE
27	X					9.4% }PACE ---15PCT
26	X					3.1%
25	X					0.8%
24	X					0.0%
23	X					0.0%
22	X					0.0%
21	X					0.0%
20	X					0.0%
19	X					0.0%
18	X					0.0%
17	X					0.0%
16	X					0.0%
15	X					0.0%

UPPER LIMIT 10 MPH PACE: 36 MPH
 LOWER LIMIT 10 MPH PACE: 27 MPH
 PERCENT OVER PACE: 8.7 %
 PERCENT IN PACE: 88.2 %
 PERCENT UNDER PACE: 3.1 %

85th PERCENTILE SPEED: 34.9 MPH
 MEDIAN SPEED: 29.9 MPH
 15th PERCENTILE SPEED: 27.4 MPH

HARTZOG AND CRABELL INC.
 Consulting Traffic Engineers
 1702 Lake Blvd., Suite 137, Lincoln, CA 95026
 (415) 761-3105

Radar Speed Survey Field Sheet

AGENCY: CITY OF LAGUNA HILLS DATE: 01-15-2020
 STREET: SANTA VICTORIA DRIVE START TIME: 2:10 PM
 LOCATION: RIDGE ROUTE DR TO SANTA MARIA AVE OBSERVER: CATHY BUENDIA END TIME: 3:15 PM

WEATHER: SUNNY
 ROAD CONDITION: DRY
 OBSERVER: CATHY BUENDIA

DIRECTION: NORTHBOUND

MPH	5	10	15	20	25	30	TOTAL
60							1
59							0
58							0
57							0
56							3
55							3
54							4
53							5
52							2
51							8
50							3
49							3
48							4
47							5
46							2
45							8
44							11
43							7
42							4
41							2
40							1
39							1
38							1
37							1
36							1
35							1
34							1
33							1
32							1
31							1
30							1
29							1
28							1
27							1
26							1
25							1
24							1
23							1
22							1
21							1
20							1
19							1
18							1
17							1
16							1
15							1

AVERAGE SPEED: _____ PACE SPEED: _____
 CRITICAL SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS): _____

DIRECTION: SOUTHBOUND

MPH	5	10	15	20	25	30	TOTAL
60							1
59							0
58							0
57							0
56							1
55							4
54							5
53							7
52							7
51							7
50							9
49							12
48							14
47							23
46							14
45							27
44							18
43							8
42							3
41							1
40							1
39							1
38							2
37							3
36							3
35							2
34							7
33							6
32							12
31							7
30							7
29							4
28							1
27							1
26							1
25							1
24							1
23							1
22							1
21							1
20							1
19							1
18							1
17							1
16							1
15							1

AVERAGE SPEED: _____ PACE SPEED: _____
 CRITICAL SPEED: _____
 CUMULATIVE TOTAL: _____

ENGINEERING AND TRAFFIC SURVEY

CITY OF LAGUNA HILLS



VISTA VIEJO ROAD

DEVONSHIRE RD TO EAST CITY LIMITS

DATE: 3/7/2020
 TIME: 2:00 PM - 2:45 PM

SURVEY BY: C. BUENDIA
 CHECKED BY: JERRY STOCK

PREVAILING SPEED DATA	
LOCATION OF SURVEY	EAST OF BARSTONE
DATE OF SURVEY	3/7/2020
85th PERCENTILE	32.1 MPH
10 MPH PACE	25 - 34 MPH
PERCENT IN PACE	88.0 %
POSTED SPEED LIMIT	30 MPH

ACCIDENT HISTORY	
NO. OF MONTHS OBSERVED	24
SPEED-RELATED ACCIDENTS	0
TOTAL ACCIDENTS	1
ANNUAL ACCIDENT RATE	0.00 ACCIDENTS PER YEAR (SPEED RELATED ONLY)
ACC./MILLION VEH. MILES	0.00 ACCIDENTS PER MVM (SPEED RELATED ONLY)

TRAFFIC FACTORS	
AVERAGE DAILY TRAFFIC	3,200
LANE CONFIGURATION	1 LANE PER DIRECTION
TRAFFIC CONTROLS	NONE
CROSSWALKS	NONE
PEDESTRIAN/BICYCLES	FEW / NO
TRUCK TRAFFIC	NO
ON-STREET PARKING	NO
OTHER	NO STOPPING ANYTIME (e/o of Woodbluff)

ROADWAY FACTORS	
LENGTH OF SEGMENT (MILES)	0.37
VERTICAL CURVE	CONSTANT MODERATE UPHILL GRADE (WB)
HORIZONTAL CURVE	SLIGHT - GRADUAL "S" CURVES
LATERAL VISIBILITY	LIMITED SIGHT DISTANCE
ROAD CONDITIONS	GOOD
SIDEWALKS/DRIVEWAYS	YES / FEW
STREET LIGHTING	YES
OTHER	INTERMITENT SMALL RAISED MEDIAN ISLANDS

ADJACENT LAND USE	RESIDENTIAL (NF)
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RECOMMENDED SPEED LIMIT	30 MPH
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SPEED LIMIT CHANGE	NO CHANGE
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JUSTIFICATION:
 The recommended 30 mph speed limit is within 2.1 mph of the 85th percentile speed and meets CVC standards.

NF = Non-fronting

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

VISTA VIEJO ROAD

DATE: 3/7/2020

TIME: 2:00 PM - 2:45 PM

DEVONSHIRE RD TO EAST CITY LIMITS

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	CUMMULATIVE PERCENT					
	20	40	60	80	100	
60					X	100.0%
59					X	100.0%
58					X	100.0%
57					X	100.0%
56					X	100.0%
55					X	100.0%
54					X	100.0%
53					X	100.0%
52					X	100.0%
51					X	100.0%
50					X	100.0%
49					X	100.0%
48					X	100.0%
47					X	100.0%
46					X	100.0%
45					X	100.0%
44					X	100.0%
43					X	100.0%
42					X	100.0%
41					X	100.0%
40					X	100.0%
39					X	100.0%
38					X	97.8%
37					X	97.8%
36					X	97.8%
35					X	93.5%
34					X	92.4% }PACE
33					X	89.1% }PACE
32					X	84.8% }PACE ---85PCT
31					X	77.2% }PACE
30					X	68.5% }PACE
29					X	55.4% }PACE
28					X	43.5% }PACE ---MEAN
27					X	30.4% }PACE
26					X	23.9% }PACE
25					X	16.3% }PACE
24					X	4.3% ---15PCT
23					X	3.3%
22					X	0.0%
21					X	0.0%
20					X	0.0%
19					X	0.0%
18					X	0.0%
17					X	0.0%
16					X	0.0%
15					X	0.0%

UPPER LIMIT 10 MPH PACE: 34 MPH
 LOWER LIMIT 10 MPH PACE: 25 MPH
 PERCENT OVER PACE: 7.6 %
 PERCENT IN PACE: 88.0 %
 PERCENT UNDER PACE: 4.3 %

85th PERCENTILE SPEED: 32.1 MPH
 MEDIAN SPEED: 28.5 MPH
 15th PERCENTILE SPEED: 24.9 MPH

HARTZOG AND CRABELL INC.
 Consulting Traffic Engineers
 1197 Main Street, Suite 127, Irvine CA 92618
 (714) 441-9105

Radar Speed Survey Field Sheet

AGENCY: CITY OF LAGUNA HILLS DATE: 03-07-2020
 STREET: VISTA VIEJO ROAD START TIME: 2:00 PM
 LOCATION: DEVONSHIRE RD TO EAST CITY LIMITS END TIME: 2:45 PM VJC
 WEATHER: SUNNY
 ROAD CONDITION: DRY
 OBSERVER: CATHY BUENDIA

DIRECTION: WEST BOUND

MPH	NUMBER OF VEHICLES				TOTAL
	5	10	15	20	
60					
59					
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AVERAGE SPEED: _____ PACE SPEED: _____
 CRITICAL SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

DIRECTION: EAST BOUND

MPH	NUMBER OF VEHICLES				TOTAL	CUMULATIVE TOTAL
	5	10	15	20		
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AVERAGE SPEED: _____ PACE SPEED: _____
 CRITICAL SPEED: _____

APPENDIX B



TRAFFIC RADAR CERTIFICATION

TESTED TO NHTSA SPECIFICATIONS / IACP CRITICAL PERFORMANCE STANDARDS
(NHTSA) National Highway and Traffic Safety Administration.
(IACP) International Association of Chiefs of Police.

16202 Keats Circle
Westminster, Calif. 92683

R.H.F. is a certified independent testing and repair facility.

1	TEST ID	Date Received 8-29-19	Certification Number 74544						
2	DEVICE ID	Make Applied Concepts	Model Stalker-Dual SL or DSR	Type (I-IV) IV	Directional radar <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Same direction <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
		Counting unit S/N 090953	Antenna-1 S/N 026727	Antenna-2 S/N 033539					
3	§ 2.4 / § 5.4 TUNING FORK CALIBRATION	Low speed fork S/N 248728	Last date calib.	Freq. (Hz)	Speed (mph)	Measured (Hz)	PASS	FAIL	
		High speed fork S/N 400111	Last date calib.	Freq. (Hz)	Speed (mph)	Measured (Hz)			
4	§ 2.5 / § 5.5 RADAR DEVICE TUNING FORK TESTS			Lo fork	High fork		PASS	FAIL	
		Stationary mode	Fork speed (mph)	25	40				
			Disp. Speed (mph)	25	40				
		Moving mode Opposite Direction	TARGET SPEED (Hi fork - Lo fork)	Expected. (mph) 15	Displayed. (mph) 15				
	Moving mode Same Direction	TARGET SPEED Hi fork + Lo fork	Expected. (mph) 65	Displayed. (mph) 65					
5	§ 2.6.1 / § 5.6.1 TRANSMISSION FREQUENCY STABILITY	Standard supply Voltage (V) 13.6 V	Antenna 1 Freq. GHz 34.712	Antenna 2 Freq. GHz 34.713		PASS	FAIL		
		Standard supply Voltage - 20% (V) 10.8 V	Antenna 1 Freq. GHz 34.712	Antenna 2 Freq. GHz 34.713					
		Standard supply voltage + 20% (V) 16.3 V	Antenna 1 Freq. GHz 34.712	Antenna 2 Freq. GHz N/A 34.713					
6	§ 2.6.5 / § 5.6.5 POWER DENSITY	Mfg. Spec. (max mW/cm) ≤ 2	Antenna 1 Power (mW/cm) .60	Antenna 2 Power (mW/cm) .61		PASS	FAIL		
7	§ 2.8 / § 5.8 LOW VOLTAGE	Mfg. spec. (V) ≤ 10.8	LVA activates (V) 8.2	LVA deactivates (V) 9.9		PASS	FAIL		
8	§ 2.9.1 / § 5.9.1 DOPPLER AUDIO	A. Audio tone correlates with received Doppler signal B. Functioning audio volume-adjustment control			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	PASS	FAIL	
9	§ 2.12.4 / § 5.12.4 INTERNAL CIRCUIT	Mfg. Spec. PASS	Test results PASS			PASS	FAIL		
10	§ 2.12.6.5 / § 5.12.6.5 DIRECTIONAL	A. Selects only targets moving towards radar B. Selects only targets moving away from radar			<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N.A.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N.A.	PASS	FAIL	
11	§ 2.12.7 / § 2.12.8 / 5.12.7 / 5.12.8 LOW AND HIGH SPEED DISPLAY TEST	Stationary mode: target channel (mph)	Low speed spec. 12	Lo speed disp. 12		PASS	FAIL		
			Hi speed spec. 200	Hi speed disp. 200					
		Moving Mode target channel (mph)	Low speed spec. 20	Lo speed disp. 20					
			Hi speed spec. 200(C)	Hi speed disp. 200					
	Moving Mode: patrol channel (mph)	Low speed spec. 15	Lo speed disp. 15						
			Hi speed spec. 79	Hi speed disp. 79					
12	§ 2.13 / § 5.13 RFI TEST	PASS						PASS	FAIL
13	LABORATORY COMMENTS								
14	NHTSA/IACP CERTIFICATION	<p><i>This radar device meets or exceeds the minimal operational standards of the National Traffic Highway Safety Administration. California Vehicle Code Section 40802</i> <input checked="" type="checkbox"/> PASS <input type="checkbox"/> FAIL</p> <p>Certified by: <u>Ford Bauman</u> Date: <u>8-29-19</u></p>							
15	INVENTORY	<input type="checkbox"/> Fork Cert <input type="checkbox"/> Manual <input type="checkbox"/> 2 nd Ant. <input type="checkbox"/> Remote <input type="checkbox"/> Battery <input type="checkbox"/> Carrying Case <input type="checkbox"/> Other: (please list)							

Radar Certification

**Certificate of Completion and Competency
DOPPLER RADAR OPERATION**

Name & Title Gathy Buendia
Technician

Department Transportation

has successfully completed a course of instruction in the operation of Moving Car and Stationary Doppler Radar and is deemed competent to utilize the same Doppler Radar to determine the velocity of motor vehicles.

7/23/91 Date [Signature] Instructor

EMV/MPD 316 East Ninth Street
Owensboro, KY 42301
Subsidiaries of MPD, Inc. (502) 665-8200

Thank you for using Hartzog and Crabill, Inc.



City of Laguna Hills Traffic Commission Staff Report

Date: January 21, 2026
To: Chair and Commission Members
From: Samantha Vu, Assistant Engineer
Issue: Review of Traffic Conditions on Grissom Road and Wilkes Place

Recommendation: That the Traffic Commission receive and file.

Background:

During the November 19, 2025, Traffic Commission meeting, multiple public comments were made to re-evaluate the traffic conditions on Grissom Road and Wilkes Place. This topic was previously evaluated in 2019, 2023, and 2024 and speed surveys were conducted each time. The results of the previous surveys did not indicate the 85th percentile speeds were above typical prevailing speeds for a residential street, therefore, no action was taken.

City staff was initially contacted in 2019 by a resident regarding concerns of vehicular speeding, cut-through traffic and traffic collisions on Wilkes Place south of Alicia Parkway and Grissom Road east of Wilkes Place. Based upon the resident's concern and in accordance with the Residential Streets Traffic Management Policy, staff initiated a review of the requested area.

Hartzog & Crabill, Inc., (HCI) completed the attached January 9, 2019, traffic study for Wilkes Place and Grissom Road. The speed survey counts, performed by HCI, as shown in the study, determined the 85th percentile speeds on Wilkes Place and on Grissom to be below the typical prevailing speed range and the 24-hour volumes were low for a typical residential street that is a connecting, or through, street to other neighborhoods. The origin and destination study revealed the peak hourly percentages of "cut-through" traffic to be very low, in the 5-10% range. The traffic volumes and cut-through traffic were deemed not significant and no action was needed in response to the data. More

information can be found in the attached Traffic Commission Agenda Item 4.1, dated January 19, 2019.

Staff was contacted in 2023 by a different resident regarding concerns of vehicular speeding along Grissom Road and Wilkes Place. Staff initiated a speed survey for a total of four days in three locations to evaluate any changes since the previous report in 2019. Please see the attached Speed Survey Location Map. Counts Unlimited collected and reported the attached 24-hour speed survey on Grissom Road and Wilkes Place, between December 8 and December 11, 2023. Please see that attached Traffic Commission Agenda Item 4.2, dated January 17, 2024.

A follow-up survey was performed after six-month period and presented to the Traffic Commission on July 17, 2024. Staff initiated a speed survey for the same locations as done in 2023 for comparison. The 85th percentile speeds were found to be in an acceptable range and well below the typical prevailing speed range. Please see the attached Traffic Commission Agenda Item 4.4, dated July 17, 2024.

Based upon the discussion at the November 19, 2025, Traffic Commission meeting, City staff contacted Counts Unlimited, Inc. to conduct a new speed survey. Staff initiated a new speed survey for a total of four (4) days in the same three (3) locations as done in 2023 and 2024. Counts Unlimited, Inc. collected and reported the attached 24-hour speed survey on Grissom Road and Wilkes Place, between December 12 and December 15, 2025. The average of all 4 days in comparison to the speed survey done in 2019, 2023, and 2024 are in Table 1 below.

Table 1: Speed Survey Summary (MPH)

Speed Summary	Along Wilkes Place Segment				Along Grissom Road Segment						
	2019	2023	2024	2025	2019	2023 (Between Wilkes and Velasquez)	2023 (Between Velasquez and Las Bolsas)	2024 (Between Wilkes and Velasquez)	2024 (Between Velasquez and Las Bolsas)	2025* (Between Wilkes and Velasquez)	2025 (Between Velasquez and Las Bolsas)
Average Speed	25	24	26	25	25.2	25.5	22	24.5	25.5	22.5	21.5
85 th Percentile Speed	30	28.5	30.5	29	28.4	31.25	27.75	31	31.75	28.5	28
10 MPH Pace Range	21-30	21-30	21-30	21-30	20-29	21-30	16-25	21-30	21-30	21-30	21-30
Percent of Vehicles in Pace	74.1%	73%	69.3%	73.4%	87.3%	58.7%	59.1%	58.63%	57.5%	59.2%	60.5%

* It should be noted that a vehicle was parked on the tube for Grissom Road between Velasquez and Las Bolsas from 6:00 AM to 1:00 PM on Monday, December 15, 2025. Staff has rescheduled this segment to collect new data later this month.

The typical prevailing speed range for residential streets is between 32 and 34 MPH, without traffic safety concerns. Based on the data in Table 1, the 85th percentile speeds were below this range and the 24-hour volumes were low for a typical residential street.

Staff recommend that the Traffic Commission receive and file this report as the data collected does not trigger any physical devices from the Residential Streets Management Policy.

Fiscal Impact:

There is no fiscal impact associated with this report.

Attachments:

1. Hartzog and Crabill, Letter of Opinion, dated January 9, 2019
2. Traffic Commission Agenda Item 4.1, dated January 19, 2019
3. Vicinity Map
4. Traffic Commission Agenda Item 4.2, dated January 17, 2024
5. Traffic Commission Agenda Item 4.4, dated July 17, 2024
6. Counts Unlimited, Inc. 72-Hour Directional Speed Survey during December 12 through December 15, 2025



Trammell Hartzog, President
Gerald J. Stock, PE, TE,
Executive Vice President

17852 E. 17th Street
Suite 101
Tustin, CA 92780

Phone: (714) 731-9455
FAX: (714) 731-9498

www.hartzog-crabill.com

January 9, 2019

Mr. Kenneth H. Rosenfield, PE
Assistant City Manager/Public Services Director
City of Laguna Hills
24035 El Toro Road
Laguna Hills, CA 92653

Subject: Letter of Opinion – Speeding, Cut-through Traffic, and Collision Concerns along Wilkes Place and Grissom Road, and Speeding Along Bridlewood Drive and Nellie Gail Road

Dear Mr. Rosenfield,

Pursuant to your request, Hartzog & Crabill, Inc. (HCI) has prepared this traffic engineering evaluation regarding resident concerns of speeding and cut-through traffic, along with review of collisions, on the following two street segments:

- Wilkes Place, south of Alicia Parkway, and
- Grissom Road, east of Wilkes Place.

This evaluation also includes follow-up spot speed radar surveys along the two following two segments:

- Bridlewood Drive, between Vista Viejo Road and Laurel Crest Drive,
- Nellie Gail Road, between Oso Parkway and Hidden Trail Road.

BACKGROUND

Wilkes Place

Wilkes Place, between Alicia Parkway and Grissom Road, is a 36-foot to 40-foot wide, 2-lane, diagonal north-south residential collector roadway. At the project limits, there is a traffic signal at Alicia Parkway and a 90 degree bend at Grissom Road. There is double-yellow and single-yellow skip centerline striping along the entire segment. There is also an uncontrolled, marked yellow crosswalk across Wilkes Place at Barents Street, along with SCHOOL XING warning signs and advance SLOW SCHOOL XING pavement markings. There is a posted 25 MPH speed limit sign just south of Alicia Parkway. On-street parking is allowed along both sides of Wilkes Place.

BACKGROUND (continued)

Grissom Road

Grissom Road, between Wilkes Place and Las Bolsas Street, is a 36-foot wide, 2-lane, east-west residential collector roadway. At the project limits, there are 90-degree bends with double-yellow centerlines delineating the curves only. There is no centerline striping along the entire segment, and no posted speed limit signs. On-street parking is allowed along both sides of Grissom Road. An intersecting T-intersection with Velasquez Road connects to Paseo de Valencia.

Bridlewood Drive

Bridlewood Drive, between Vista Viejo Road and Laurel Crest Drive, is a 40-foot wide, 2-lane, north-south residential collector roadway. At the project limits, there is a 1-way stop at Vista Viejo Road and a 3-way stop at Laurel Crest Drive. There is no centerline striping along the entire segment, with exception of a short length of double-yellow centerline at the project limits. There are posted 25 MPH speed limit signs along Bridlewood Drive, between Vista Viejo Road and Laurel Crest Drive. There are also '25' pavement markings adjacent to the sign postings. On-street parking is allowed along both sides of Bridlewood Drive.

Nellie Gail Road

Nellie Gail Road, between Oso Parkway and Hidden Trail Road, is a 40-foot wide, curvy 2-lane, residential collector roadway. There is a traffic signal control at Oso Parkway and a one-way Stop control at Hidden Trail Road. There is a double-yellow centerline stripe along the entire segment, and a raised landscaped center median at Oso Parkway. There are Equestrian Xings with posted warning signs within this segment, along with other advance Side Street warning signs. There are posted 25 MPH speed limit signs along Nellie Gail Road between Oso Parkway and Hidden Trail Road. There is also a '25' pavement marking adjacent to the sign posting just south of Oso Parkway. On-street parking is allowed along both sides of Nellie Gail Road.

TRAVEL SPEED DATA

To determine travel speeds on the four (4) segments of:

- 1) Wilkes Place, between Alicia Parkway and Grissom Road;
- 2) Grissom Road, between Wilkes Place and Las Bolsas Street;
- 3) Bridlewood Drive, between Vista Viejo Road and Laurel Crest Drive;
- 4) Nellie Gail Road, between Oso Parkway and Hidden Trail Road;

a spot speed radar survey was conducted on each of the locations on Tuesday, December 11, and on Wednesday, December 12, 2018. Tables 1 and 2 (next page) summarize the spot speed radar survey data.

TRAVEL SPEED DATA (continued)

**TABLE 1
 SPEED SURVEY SUMMARY
 WILKES PLACE, FROM ALICIA PARKWAY TO GRISSOM ROAD
 GRISSOM ROAD, FROM WILKES PLACE TO LAS BOLSAS STREET**

Speed Summary	Along Wilkes Place Segment	Along Grissom Road Segment
Posted Speed Limit	25 MPH	25 MPH
85 th Percentile Speed	30 MPH	28.4 MPH
Average Speed	25 MPH	25.2 MPH
10 MPH Pace Range	21 - 30 MPH	20 - 29 MPH
Percent of Vehicles in Pace	74.1%	87.3%

Source: Hartzog & Crabill, Inc., 2018.

**TABLE 2
 SPEED SURVEY SUMMARY
 BRIDLEWOOD DRIVE, FROM VISTA VIEJO ROAD TO LAUREL CREST DRIVE
 NELLIE GAIL ROAD, FROM OSO PARKWAY TO HIDDEN TRAIL ROAD**

Speed Summary	Along Bridlewood Drive Segment	Along Nellie Gail Road Segment
Posted Speed Limit	25 MPH	25 MPH
85 th Percentile Speed	36.1 MPH	34.8 MPH
Average Speed	29.3 MPH	30.9 MPH
10 MPH Pace Range	25 - 34 MPH	26 - 35 MPH
Percent of Vehicles in Pace	70.7%	77.0%

Source: Hartzog & Crabill, Inc., 2018.

As shown above, the 85th percentile speeds on Wilkes Place and Grissom Road were recorded at 30 MPH and 28.4 MPH, respectively. This data shows that typical travel speeds are occurring for a posted 25 MPH speed limit street. The 85th percentile speeds on Bridlewood Drive and Nellie Gail Road were recorded at 36.1 MPH and 34.8 MPH, respectively. This data shows that higher travel speeds are occurring along Bridlewood Drive. It is noted, back in March 2018, the 85th percentile speed on Bridlewood Drive was recorded at 37.1 MPH. In May 2018, the 85th percentile speed on Nellie Gail Road was recorded at 39 MPH, which has reduced to a typical speed for this type of roadway.

The overall speed radar survey data is attached to this letter.

TRAVEL SPEED DATA (*continued*)

In an effort to lower overall speeds on Bridlewood Drive, the City may want to consider taking an incremental approach that may include the following:

- increased law enforcement
- frequent deployment of portable radar speed-feedback trailers
- neighborhood watch committee meeting to help make all residents aware of speeding

TRAFFIC VOLUME DATA

Average Daily Traffic (ADT) counts were collected for the two (2) segments of Wilkes Place and Grissom Road on Wednesday, December 12, 2018. The ADT, or 24-hour two-way traffic volume, along these segments resulted in 838 and 494 vehicles, respectively.

A two-lane collector street generally has a Level-of-Service (LOS) 'D' capacity of 11,300 vehicles per day. Consequently, the current traffic volumes are well under the roadway capacity, and there are no other recommendations regarding traffic volume data to provide at this time.

The ADT count data collected as part of this evaluation is attached to this letter.

COLLISION DATA

HCI obtained collision data for the past six (6) years, between January 1, 2013 – November 30, 2018, from the Statewide Integrated Traffic Records System website (*i-SWITRS*) database to determine the number of collisions occurring on the two (2) segments of Wilkes Place and Grissom Road.

Tables 3 and 4 (next page) presents the summary collision data.

COLLISION DATA (continued)

**TABLE 3
TRAFFIC COLLISION DATA SUMMARY
WILKES PLACE, FROM ALICIA PARKWAY TO GRISSOM ROAD**

YEAR	NUMBER OF COLLISIONS	FATAL	INJURY	PROPERTY DAMAGE ONLY
2013	0	0	0	0
2014	0	0	0	0
2015	0	0	0	0
2016	3	0	3	0
2017	0	0	0	0
2018 *	0	0	0	0

* Available SWITRS data up to November 2018 at the time of report preparation.

As shown above, there have been a total of three (3) collisions reported within the last six (6) years on Wilkes Place. It is noted, all three collisions occurred at the intersection of Wilkes Place and Alicia Parkway. There were no collisions determined as ‘speed-related’.

**TABLE 4
TRAFFIC COLLISION DATA SUMMARY
GRISSOM ROAD, FROM WILKES PLACE TO LAS BOLSAS STREET**

YEAR	NUMBER OF COLLISIONS	FATAL	INJURY	PROPERTY DAMAGE ONLY
2013	0	0	0	0
2014	0	0	0	0
2015	0	0	0	0
2016	0	0	0	0
2017	0	0	0	0
2018 *	1	0	0	1

* Available SWITRS data up November 2018 at the time of report preparation.

As shown above, there has been a total of one (1) collision reported within the last six (6) years on Grissom Road. This collision occurred at the intersection of Grissom Road and Las Bolsas Street, and was not determined as ‘speed-related’.

Consequently, there are no other recommendations regarding collision data on these two segments at this time.

The comprehensive 6-year segment collision history reports are attached to this letter.

CUT-THROUGH TRAFFIC

An Origin and Destination (O&D) study (i.e., license plate survey) was conducted on Wednesday, December 12, 2018 during the AM peak period (7 - 9am) to quantify the amount of traffic that are likely using Wilkes Place and Grissom Road as a short-cut.

The study collected license plate numbers in a 5-minute interval basis for all vehicles entering and exiting Wilkes Place at the project limit of Alicia Parkway, and also entering and exiting Velasquez Road at Paseo de Valencia (via Grissom Road).

Table 5 below shows a summary of the license plate matches recorded per each hour.

**TABLE 5
ORIGIN-DESTINATION LICENSE PLATE MATCHES
USING WILKES PLACE AND GRISSOM ROAD**

Path	7:00:00 AM	7:05:00 AM	7:45:00 AM	7:50:00 AM	8:05:00 AM	8:10:00 AM	8:15:00 AM	8:50:00 AM	8:55:00 AM	Total
2 to 1	1	1	1		3		1			7
1 to 2				2	1	2	1	1	1	8
Grand Total	1	1	1	2	4	2	2	1	1	15

The numbers (1 to 2 & 2 to 1) in Table 5 above refer to vehicles entering from and exiting to as follows:

Location 1 - Wilkes Place, just south of Alicia Parkway.

Location 2 - Velasquez Road, just north of Paseo de Valencia (short leg leading to Grissom Road).

The overall Origin-Destination Study spreadsheet is attached to this letter.

Per the ADT count data collected, the hourly traffic volumes for these same peak hours are compared as follows:

<u>Hour</u>	<u>ADT Traffic Volume</u>	<u>Cut-Thru</u>	<u>Cut-Thru/Volume</u>
7-8 AM	48	5	10%
8-9 AM	170	10	6%

As shown above, the actual hourly percentages are very low for what may be considered ‘cut-through’ traffic. Consequently, there are no recommendations regarding ‘cut-through’ traffic at this time.

SUMMARY

Wilkes Place and Grissom Road

In summary, the traffic data on Wilkes Place and Grissom Road resulted in the following:

- ✓ typical travel speeds are occurring for these 25 MPH speed limit streets;
- ✓ traffic volumes are well-below the traffic carrying capacity of the two roadways;
- ✓ there is no traffic collision history related to traffic speeds along these segments; and,
- ✓ 'cut-through' traffic is determined as very low.

Bridlewood Drive and Nellie Gail Road

In summary, the recent speed data on Bridlewood Drive and Nellie Gail Road resulted in the following:

- ✓ higher than typical travel speeds are occurring along Bridlewood Drive.
- ✓ the Nellie Gail Road speed results are typical and do not result in recommended actions.

RECOMMENDATIONS

Wilkes Place and Grissom Road

In review of the existing School Xing signage on Wilkes Place, it is recommended to update the signage to the newer standard signs with fluorescent yellow-green background.

Bridlewood Drive

In order to address the higher travel speeds along Bridlewood Drive, it is recommended that an incremental approach continue to be followed, which includes:

- increased law enforcement.
- frequent deployment of portable radar speed-feedback trailers.
- neighborhood watch committee meeting to help make all residents aware of speeding.

Mr. Kenneth H. Rosenfield, PE

January 9, 2019

Page 8 of 8

It has been our pleasure to prepare this letter of opinion regarding speeds, traffic volumes, collisions, and cut-through traffic on these project segments. If you have any questions or need additional information, please feel free to call us anytime at (714) 731-9455.

Sincerely,

HARTZOG & CRABILL, INC.



Gerald J. Stock, PE, TE
Executive Vice President

Attachments: Spot Speed Radar Data
 ADT Traffic Volume Data
 Collision History Data
 Origin-Destination Study

Spot Speed Radar Data

**SUMMARY OF SPOT SPEED SURVEYS
DECEMBER 2018**

STREET LOCATION	EXISTING SPEED LIMIT	RECOMMENDED SPEED LIMIT	85TH PERCENTILE SPEED	AVERAGE SPEED	10 MPH PACE RANGE	PERCENT OF VEHICLES IN PACE	DAY / DATE / TIME
<u>BRIDLEWOOD DRIVE</u>							
LAUREL CREST TO VISTA VIEJO	25	-	36.1	29.3	25-34	70.7	WED / 12-12-18 / MID-DAY (12:15 - 2:00)
<u>GRISSOM ROAD</u>							
WILKES PL TO LAS BOLSAS ST	25	-	28.4	25.2	20-29	87.3	TUES / 12-11-18 / MID-DAY (12:15 – 2:00)
<u>NELLIE GAIL ROAD</u>							
OSO PKWY TO HIDDEN TRAIL RD	25	-	34.8	30.9	26-35	77.0	WED / 12-12-18 / MID-DAY (11:00 – 12:00)
<u>WILKES PLACE</u>							
ALICIA PKWY TO GRISSOM RD	25	-	30.0	25.0	21-30	74.1	TUES / 12-11-18 / MID-DAY (10:45 – 12:15)

HARTZOG AND CRABILL INC.
 Consulting Traffic Engineers
 17592 Inna Blvd., Suite 122, Tustin CA 92690
 (714) 731-9452

Radar Speed Survey Field Sheet

AGENCY: CITY OF LAGUNA HILLS
 STREET: BRIDLEWOOD
 LOCATION: VISTA VIEJO RD TO LAUREL CREST DR

WEATHER: SUNNY DATE: 12-12-18
 ROAD CONDITION: DRY START TIME: 12:15 PM
 OBSERVER: CATHY BUENDIA END TIME: 2:00 PM VUL

DIRECTION: SOUTHBOUND

MPH	NUMBER OF VEHICLES					TOTAL
	5	10	15	20	25	
60						
59						
58						
57						
56						
55						
54						
53						
52						
51						
50						
49						
48						
47	/					1
46						0
45						0
44	/					1
43	/					1
42						0
41						0
40	/					1
39	//					2
38						0
37						0
36						0
35	/					1
34	//					2
33	/					1
32	/					1
31	/	/				2
30	/	/	/			3
29	/	/	/	/		4
28	/	/	/	/	/	5
27	/	/	/	/	/	5
26	/	/	/	/	/	5
25	/	/	/	/	/	5
24	/	/	/	/	/	5
23	/	/	/	/	/	5
22	/	/	/	/	/	5
21	/	/	/	/	/	5
20	/	/	/	/	/	5
19						
18						
17						
16						
15						

DIRECTION: NORTHBOUND

MPH	NUMBER OF VEHICLES					TOTAL	CUMULATIVE TOTAL	MPH
	5	10	15	20	25			
60								60
59								59
58								58
57								57
56								56
55								55
54								54
53								53
52								52
51								51
50								50
49								49
48								48
47	/						1	47
46							0	46
45	/						1	45
44							0	44
43							0	43
42							0	42
41	//						2	41
40	/						2	40
39	//						2	39
38							0	38
37	/	/					3	37
36							0	36
35	/	/	/				4	35
34	/	/	/	/			4	34
33	/	/	/	/	/		4	33
32	/	/	/	/	/	/	4	32
31	/	/	/	/	/	/	4	31
30	/	/	/	/	/	/	3	30
29	/	/	/	/	/	/	3	29
28	/	/	/	/	/	/	2	28
27	/	/	/	/	/	/	2	27
26	/	/	/	/	/	/	2	26
25	/	/	/	/	/	/	2	25
24	/	/	/	/	/	/	2	24
23	/	/	/	/	/	/	2	23
22	/	/	/	/	/	/	2	22
21	/	/	/	/	/	/	2	21
20	/	/	/	/	/	/	2	20
19								19
18								18
17								17
16								16
15								15

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

BRIDLEWOOD DRIVE

DATE: 12/12/2018

TIME: 12:15 PM - 2:00 PM

LAUREL CREST DR TO VISTA VIEJO

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	NUMBER OF VEHICLES										VEH.	PCT.	CUM. PCT.	
	5	10	15	20	25									
60													100.0%	
													100.0%	
													100.0%	
													100.0%	
55													100.0%	
													100.0%	
													100.0%	
													100.0%	
50													100.0%	
													100.0%	
													100.0%	
	X	X										2	2.0%	100.0%
45	X											0	0.0%	98.0%
	X											1	1.0%	98.0%
	X											1	1.0%	97.0%
												0	0.0%	96.0%
	X	X										2	2.0%	94.9%
40	X											1	1.0%	92.9%
	X	X	X	X								4	4.0%	91.9%
	X	X	X									0	0.0%	87.9%
	X	X	X									3	3.0%	87.9%
35	X	X	X	X	X							0	0.0%	84.8%
	X	X	X	X								5	5.1%	84.8%
	X	X	X	X	X							4	4.0%	79.8%
	X	X	X	X	X							5	5.1%	75.8%
	X	X	X	X	X	X	X					7	7.1%	70.7%
30	X	X	X	X	X	X	X	X	X			9	9.1%	63.6%
	X	X	X	X	X							6	6.1%	54.5%
	X	X	X	X	X	X	X	X	X	X		4	4.0%	48.5%
	X	X	X	X	X	X	X	X				11	11.1%	44.4%
	X	X	X	X	X	X	X					8	8.1%	33.3%
	X	X	X	X	X							5	5.1%	25.3%
25	X	X	X	X	X	X	X	X	X	X		11	11.1%	20.2%
	X	X	X	X								4	4.0%	9.1%
	X	X	X									3	3.0%	5.1%
	X											1	1.0%	2.0%
20	X											0	0.0%	1.0%
												1	1.0%	1.0%
													0.0%	0.0%
													0.0%	0.0%
													0.0%	0.0%
15													0.0%	0.0%
TOTAL VEHICLES											99			

UPPER LIMIT 10 MPH PACE:	34	MPH	85th PERCENTILE SPEED:	36.1	MPH
LOWER LIMIT 10 MPH PACE:	25	MPH	MEDIAN SPEED:	29.3	MPH
PERCENT OVER PACE:	24.2	%	15th PERCENTILE SPEED:	24.5	MPH
PERCENT IN PACE:	70.7	%			
PERCENT UNDER PACE:	9.1	%			

Radars Speed Survey Field Sheet

HARTZOG AND CRABILL INC.
 Consulting Traffic Engineers
 1592 Irvine Blvd., Suite 122 Irvine CA, 92618
 (714) 731-9455

AGENCY: CITY OF LAGUNA HILLS
 STREET: GRISSOM ROAD
 LOCATION: WILKES PL TO LAS BOLSAS ST.

WEATHER: SUNNY DATE: 12-11-18
 ROAD CONDITION: DRY START TIME: 12:15 PM
 OBSERVER: CATHY BUENDIA END TIME: 2:00 PM

DIRECTION: <u>WESTBOUND</u>						
MPH	NUMBER OF VEHICLES					TOTAL
	5	10	15	20	25	
60						
59						
58						
57						
56						
55						
54						
53						
52						
51						
50						
49						
48						
47						
46						
45						
44						
43						
42						
41						
40						
39						
38						
37						
36						
35	/					1
34	/					0
33	/					0
32	/					0
31	/	/				2
30	/	/				1
29	/	/				1
28	/	/	/			1
27	/	/	/	/		4
26	/	/	/	/		3
25	/	/	/	/		4
24	/	/	/	/		5
23	/	/	/	/		2
22	/	/	/	/		2
21	/	/	/	/		1
20	/	/	/	/		2
19						
18						
17						
16						
15						

DIRECTION: <u>EASTBOUND</u>							CUMULATIVE TOTAL	MPH
MPH	NUMBER OF VEHICLES					TOTAL		
	5	10	15	20	25		30	
60								60
59								59
58								58
57								57
56								56
55								55
54								54
53								53
52								52
51								51
50								50
49								49
48								48
47								47
46								46
45								45
44								44
43								43
42								42
41								41
40								40
39								39
38								38
37								37
36	/						1	36
35	/					0	1	35
34	/						1	34
33	/						1	33
32	/					0	0	32
31	/	/				0	2	31
30	/	/				0	1	30
29	/	/				0	2	29
28	/	/	/			5	6	28
27	/	/	/	/		2	6	27
26	/	/	/	/		5	6	26
25	/	/	/	/		4	6	25
24	/	/	/	/		4	6	24
23	/	/	/	/		0	2	23
22	/	/	/	/		2	3	22
21	/	/	/	/		1	2	21
20	/	/	/	/			2	20
19								19
18								18
17								17
16								16
15								15

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

GRISSOM ROAD

WILKES PLACE TO LAS BOLSAS ST

DATE: 12/11/2018

SURVEY BY: C. BUENDIA

TIME: 12:15 PM - 2:00 PM

CHECKED BY: JERRY STOCK

SPEED	NUMBER OF VEHICLES										VEH.	PCT.	CUM. PCT.	
	5	10	15	20	25	30	35	40	45	50				
60														100.0%
														100.0%
														100.0%
														100.0%
55														100.0%
														100.0%
														100.0%
														100.0%
50														100.0%
														100.0%
														100.0%
														100.0%
45														100.0%
														100.0%
														100.0%
														100.0%
40														100.0%
														100.0%
														100.0%
														100.0%
35	X													100.0%
	X													98.2%
	X													96.4%
	X													94.5%
														92.7%
30	X	X												92.7%
	X	X												89.1%
	X	X	X	X	X	X								87.3%
	X	X	X	X	X	X								83.6%
	X	X	X	X	X	X	X	X						72.7%
25	X	X	X	X	X	X	X	X						61.8%
	X	X	X	X	X	X	X	X	X					47.3%
	X	X												32.7%
	X	X												16.4%
	X	X	X											12.7%
20	X	X												7.3%
	X	X												3.6%
														0.0%
														0.0%
														0.0%
15														0.0%
	TOTAL VEHICLES										55			

UPPER LIMIT 10 MPH PACE:	29	MPH	85th PERCENTILE SPEED:	28.4	MPH
LOWER LIMIT 10 MPH PACE:	20	MPH	MEDIAN SPEED:	25.2	MPH
PERCENT OVER PACE:	12.7	%	15th PERCENTILE SPEED:	22.6	MPH
PERCENT IN PACE:	87.3	%			
PERCENT UNDER PACE:	0.0	%			

Radar Speed Survey Field Sheet

AGENCY: CITY OF LAGUNA HILLS
 STREET: NELLIE GAIL ROAD
 LOCATION: 050 PKWY TO HIDDEN TRAIL RD

WEATHER: SUNNY DATE: 12-12-18
 ROAD CONDITION: DRY START TIME: 11:00 AM
 OBSERVER: CATHY BUENDIA END TIME: 12:00 PM ✓ OK

DIRECTION: <u>SOUTHBOUND</u>						
MPH	NUMBER OF VEHICLES					TOTAL
	5	10	15	20	25	
60						
59						
58						
57						
56						
55						
54						
53						
52						
51						
50						
49						
48						
47						
46						
45						
44						
43	/					2
42	/					0
41	/					0
40						0
39						0
38	/					1
37	/	/				2
36	/	/				0
35	/	/	/			7
34	/	/	/	/		4
33	/	/	/	/		4
32	/	/	/	/		6
31	/	/	/	/		2
30	/	/	/	/		3
29	/	/	/	/		9
28	/	/	/	/		4
27	/	/	/	/		4
26	/	/	/	/		5
25	/	/	/	/		4
24	/	/	/	/		2
23	/	/	/	/		
22	/	/	/	/		
21	/	/	/	/		0
20	/	/	/	/		1
19						
18						
17						
16						
15						

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

DIRECTION: <u>NORTHBOUND</u>						
MPH	NUMBER OF VEHICLES					TOTAL
	5	10	15	20	25	
60						
59						
58						
57						
56						
55						
54						
53						
52						
51						
50						
49						
48						
47						
46						
45						
44						
43						
42						
41						
40						1
39	/	/				2
38	/	/				0
37	/	/	/			4
36	/	/	/			2
35	/	/	/	/		10
34	/	/	/	/		7
33	/	/	/	/		9
32	/	/	/	/		8
31	/	/	/	/		9
30	/	/	/	/		7
29	/	/	/	/		4
28	/	/	/	/		4
27	/	/	/	/		7
26	/	/	/	/		0
25	/	/	/	/		5
24	/	/	/	/		3
23	/	/	/	/		0
22	/	/	/	/		
21	/	/	/	/		1
20						
19						
18						
17						
16						
15						

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

CUMULATIVE TOTAL	MPH
	60
	59
	58
	57
	56
	55
	54
	53
	52
	51
	50
	49
	48
	47
	46
	45
	44
2	43
0	42
1	41
1	40
2	39
0	38
4	37
2	36
10	35
11	34
9	33
14	32
11	31
17	30
13	29
17	28
14	27
10	26
5	25
5	24
5	23
2	22
1	21
	20
	19
	18
	17
	16
	15



RADAR SPEED DISTRIBUTION SHEET

CITY OF LAGUNA HILLS

NELLIE GAIL ROAD

OSO PKWY TO HIDDEN TRAIL RD

DATE: 12/12/2018

SURVEY BY: C. BUENDIA

TIME: 11:00 AM - 12:00 PM

CHECKED BY: JERRY STOCK

SPEED	NUMBER OF VEHICLES										VEH.	PCT.	CUM. PCT.	
	5	10	15	20	25									
60													100.0%	
													100.0%	
													100.0%	
													100.0%	
													100.0%	
55													100.0%	
													100.0%	
													100.0%	
													100.0%	
50													100.0%	
													100.0%	
													100.0%	
													100.0%	
45													100.0%	
													100.0%	
	X	X										2	1.4%	100.0%
												0	0.0%	98.6%
40	X											1	0.7%	98.6%
	X	X										1	0.7%	97.8%
	X											2	1.4%	97.1%
	X											1	0.7%	95.7%
	X	X	X	X	X	X	X	X				8	5.8%	95.0%
	X	X										2	1.4%	89.2%
35	X	X	X	X	X	X	X	X	X	X	X	17	12.2%	87.8%
	X	X	X	X	X	X	X	X	X			11	7.9%	75.5%
	X	X	X	X	X	X	X	X				9	6.5%	67.6%
	X	X	X	X	X	X	X	X	X	X	X	14	10.1%	61.2%
	X	X	X	X	X	X	X	X	X			11	7.9%	51.1%
30	X	X	X	X	X	X						7	5.0%	43.2%
	X	X	X	X	X	X	X	X	X	X	X	13	9.4%	38.1%
	X	X	X	X	X	X	X	X	X			11	7.9%	28.8%
	X	X	X	X								4	2.9%	20.9%
25	X	X	X	X	X							10	7.2%	18.0%
	X	X	X	X	X							5	3.6%	10.8%
	X	X	X	X	X							5	3.6%	7.2%
	X											1	0.7%	3.6%
	X	X										2	1.4%	2.9%
20	X											1	0.7%	1.4%
													0.0%	0.0%
													0.0%	0.0%
													0.0%	0.0%
15													0.0%	0.0%
TOTAL VEHICLES											139			

UPPER LIMIT 10 MPH PACE:	35	MPH	85th PERCENTILE SPEED:	34.8	MPH
LOWER LIMIT 10 MPH PACE:	26	MPH	MEDIAN SPEED:	30.9	MPH
PERCENT OVER PACE:	12.2	%	15th PERCENTILE SPEED:	25.6	MPH
PERCENT IN PACE:	77.0	%			
PERCENT UNDER PACE:	10.8	%			

HARTZOG AND CRABLL INC.
 Consulting Traffic Engineers
 17592 Irvine Blvd., Suite 122, Tustin, CA, 92690
 (714) 731-9455

Radar Speed Survey Field Sheet

AGENCY: CITY OF LAGUNA HILLS
 STREET: WILKES PLACE
 LOCATION: ALICIA PKWY TO GRISSOM RD

WEATHER: SUNNY DATE: 12-11-18
 ROAD CONDITION: DRY START TIME: 10:45 AM
 OBSERVER: CATHY BUENDIA END TIME: 12:15 PM *WKL*

DIRECTION: <u>SOUTHBOUND</u>	MPH	NUMBER OF VEHICLES					TOTAL
		5	10	15	20	25	
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							1
35							0
34							0
33	/						2
32	/						2
31							0
30	/						2
29	/						1
28	/						0
27	/						3
26	/						0
25	/						3
24	/						1
23	/						2
22	/						1
21	/	/					5
20	/	/	/				4
19							0
18	/						1
17							
16							
15							

DIRECTION:	MPH	NUMBER OF VEHICLES					TOTAL	CUMULATIVE TOTAL	MPH
		5	10	15	20	25			
60									60
59									59
58									58
57									57
56									56
55									55
54									54
53									53
52									52
51									51
50									50
49									49
48									48
47									47
46									46
45									45
44									44
43									43
42									42
41									41
40									40
39									39
38	/						1	1	38
37							0	0	37
36							0	0	36
35							0	0	35
34							0	0	34
33	/						0	0	33
32	/						1	1	32
31	/						1	2	31
30	/	/					4	6	30
29	/	/					2	8	29
28	/	/					4	12	28
27	/	/					4	16	27
26	/	/					2	18	26
25	/	/					3	21	25
24	/	/					2	23	24
23	/	/					0	23	23
22	/	/					2	25	22
21	/	/	/				7	32	21
20	/	/	/	/			0	32	20
19							0	32	19
18	/						1	33	18
17								33	17
16								33	16
15								33	15

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

WILKES PLACE

ALICIA PKWY TO GRISSOM ROAD

DATE: 12/11/2018

SURVEY BY: C. BUENDIA

TIME: 10:45 AM - 12:15 PM

CHECKED BY: JERRY STOCK

SPEED	NUMBER OF VEHICLES					VEH.	PCT.	CUM. PCT.
	5	10	15	20	25			
60								100.0%
								100.0%
								100.0%
								100.0%
55								100.0%
								100.0%
								100.0%
								100.0%
50								100.0%
								100.0%
								100.0%
								100.0%
45								100.0%
								100.0%
								100.0%
								100.0%
40								100.0%
								100.0%
								100.0%
								100.0%
	X					1	1.9%	100.0%
						0	0.0%	98.1%
	X					1	1.9%	98.1%
35						0	0.0%	96.3%
						0	0.0%	96.3%
	X X					2	3.7%	96.3%
	X X X					3	5.6%	92.6%
	X					1	1.9%	87.0%
30	X X X X X X					6	11.1%	85.2%
	X X X					3	5.6%	74.1%
	X X X X					4	7.4%	68.5%
	X X X X					4	7.4%	61.1%
	X X					2	3.7%	53.7%
25	X X X X X X					6	11.1%	50.0%
	X X X					3	5.6%	38.9%
	X X					2	3.7%	33.3%
	X X X					3	5.6%	29.6%
	X X X X X X X					7	13.0%	24.1%
20	X X X X					4	7.4%	11.1%
						0	0.0%	3.7%
	X X					2	3.7%	3.7%
								0.0%
								0.0%
15								0.0%
TOTAL VEHICLES						54		

UPPER LIMIT 10 MPH PACE:	30	MPH	85th PERCENTILE SPEED:	30.0	MPH
LOWER LIMIT 10 MPH PACE:	21	MPH	MEDIAN SPEED:	25.0	MPH
PERCENT OVER PACE:	14.8	%	15th PERCENTILE SPEED:	20.3	MPH
PERCENT IN PACE:	74.1	%			
PERCENT UNDER PACE:	11.1	%			

ADT Traffic Volume Data

VOLUME

Wilkes Pl Bet. Alicia Pkwy & Grissom Rd

Day: Wednesday
Date: 12/12/2018

City: Laguna Hills
Project #: CA18_1262_001

DAILY TOTALS					NB	SB	EB	WB	Total		
					465	373	0	0	838		
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	2	2			4	12:00	10	6			16
00:15	1	1			2	12:15	6	3			9
00:30	0	1			1	12:30	3	7			10
00:45	0	3	0	4	0	12:45	3	22	9	25	12
01:00	0	0			0	13:00	6	21			27
01:15	0	1			1	13:15	55	12			67
01:30	0	0			0	13:30	15	4			19
01:45	0	0	1		0	13:45	3	79	6	43	9
02:00	0	0			0	14:00	6	1			7
02:15	0	0			0	14:15	3	0			3
02:30	1	0			1	14:30	3	7			10
02:45	0	1	0		0	14:45	5	17	3	11	8
03:00	0	1			1	15:00	6	6			12
03:15	0	0			0	15:15	1	6			7
03:30	0	0			0	15:30	4	5			9
03:45	0	0	1		0	15:45	5	16	1	18	6
04:00	0	0			0	16:00	6	2			8
04:15	1	1			2	16:15	5	8			13
04:30	0	0			0	16:30	8	7			15
04:45	1	2	1	2	2	16:45	5	24	7	24	12
05:00	2	0			2	17:00	4	10			14
05:15	2	1			3	17:15	7	11			18
05:30	4	0			4	17:30	9	7			16
05:45	3	11	0	1	3	17:45	6	26	2	30	8
06:00	1	0			1	18:00	6	9			15
06:15	2	1			3	18:15	2	5			7
06:30	2	2			4	18:30	2	6			8
06:45	7	12	2	5	9	18:45	5	15	8	28	13
07:00	3	2			5	19:00	0	5			5
07:15	6	3			9	19:15	1	2			3
07:30	7	4			11	19:30	5	3			8
07:45	12	28	11	20	23	19:45	3	9	10	20	13
08:00	68	29			97	20:00	2	8			10
08:15	34	3			37	20:15	2	3			5
08:30	13	5			18	20:30	1	5			6
08:45	11	126	7	44	18	20:45	3	8	6	22	9
09:00	2	7			9	21:00	4	3			7
09:15	4	5			9	21:15	0	5			5
09:30	3	1			4	21:30	0	2			2
09:45	5	14	4	17	9	21:45	2	6	1	11	3
10:00	2	1			3	22:00	1	4			5
10:15	6	6			12	22:15	1	3			4
10:30	4	6			10	22:30	1	0			1
10:45	4	16	4	17	8	22:45	1	4	0	7	1
11:00	5	8			13	23:00	1	0			1
11:15	8	3			11	23:15	0	2			2
11:30	6	2			8	23:30	2	2			4
11:45	4	23	3	16	7	23:45	0	3	2	6	2
TOTALS	236	128			364	TOTALS	229	245			474
SPLIT %	64.8%	35.2%			43.4%	SPLIT %	48.3%	51.7%			56.6%

DAILY TOTALS					NB	SB	EB	WB	Total
					465	373	0	0	838
AM Peak Hour	07:45	07:45			07:45	PM Peak Hour	12:45	12:30	12:45
AM Pk Volume	127	48			175	PM Pk Volume	79	49	125
Pk Hr Factor	0.467	0.414			0.451	Pk Hr Factor	0.359	0.583	0.466
7 - 9 Volume	154	64	0	0	218	4 - 6 Volume	50	54	0
7 - 9 Peak Hour	07:45	07:45			07:45	4 - 6 Peak Hour	17:00	16:30	16:45
7 - 9 Pk Volume	127	48	0	0	175	4 - 6 Pk Volume	26	35	60
Pk Hr Factor	0.467	0.414	0.000	0.000	0.451	Pk Hr Factor	0.722	0.795	0.833

VOLUME

Grissom Rd Bet. Wilkes Pl & Las Bolsas

Day: Wednesday
Date: 12/12/2018

City: Laguna Hills
Project #: CA18_1262_002

DAILY TOTALS					NB	SB	EB	WB	Total		
					0	0	259	235	494		
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00			0	0	0	12:00			3	1	4
00:15			0	0	0	12:15			2	2	4
00:30			0	0	0	12:30			4	0	4
00:45			0	0	0	12:45			1	10	5
01:00			0	1	1	13:00			8	4	12
01:15			0	0	0	13:15			4	16	20
01:30			0	0	0	13:30			7	1	8
01:45			0	0	1	13:45			4	23	2
02:00			1	0	1	14:00			5	3	8
02:15			0	0	0	14:15			8	4	12
02:30			0	0	0	14:30			4	4	8
02:45			0	1	0	14:45			3	20	6
03:00			0	1	1	15:00			7	3	10
03:15			0	0	0	15:15			2	2	4
03:30			0	0	0	15:30			3	4	7
03:45			0	0	1	15:45			6	18	8
04:00			0	0	0	16:00			4	2	6
04:15			1	0	1	16:15			6	3	9
04:30			0	2	2	16:30			2	5	7
04:45			1	2	3	16:45			9	21	4
05:00			0	0	0	17:00			8	2	10
05:15			0	1	1	17:15			13	4	17
05:30			0	0	0	17:30			3	7	10
05:45			0	1	2	17:45			11	35	8
06:00			0	1	1	18:00			8	1	9
06:15			3	3	6	18:15			6	2	8
06:30			0	4	4	18:30			4	2	6
06:45			3	6	4	18:45			1	19	4
07:00			2	1	3	19:00			4	2	6
07:15			2	5	7	19:15			1	3	4
07:30			4	8	12	19:30			4	1	5
07:45			10	18	6	19:45			4	13	6
08:00			7	5	12	20:00			4	1	5
08:15			4	11	15	20:15			1	1	2
08:30			4	4	8	20:30			3	1	4
08:45			2	17	4	20:45			0	8	0
09:00			6	2	8	21:00			3	1	4
09:15			3	5	8	21:15			0	0	0
09:30			0	5	5	21:30			3	1	4
09:45			2	11	3	21:45			2	8	1
10:00			2	2	4	22:00			0	1	1
10:15			4	3	7	22:15			1	1	2
10:30			4	4	8	22:30			1	0	1
10:45			2	12	2	22:45			0	2	0
11:00			6	5	11	23:00			0	0	0
11:15			2	4	6	23:15			0	0	0
11:30			3	3	6	23:30			0	2	2
11:45			3	14	1	23:45			1	1	0
TOTALS			81	104	185	TOTALS			178	131	309
SPLIT %			43.8%	56.2%	37.4%	SPLIT %			57.6%	42.4%	62.6%

DAILY TOTALS					NB	SB	EB	WB	Total		
					0	0	259	235	494		
AM Peak Hour			07:30	07:30	07:30	PM Peak Hour			17:00	12:45	17:00
AM Pk Volume			25	30	55	PM Pk Volume			35	26	56
Pk Hr Factor			0.625	0.682	0.859	Pk Hr Factor			0.673	0.406	0.737
7 - 9 Volume	0	0	35	44	79	4 - 6 Volume	0	0	56	35	91
7 - 9 Peak Hour			07:30	07:30	07:30	4 - 6 Peak Hour			17:00	17:00	17:00
7 - 9 Pk Volume	0	0	25	30	55	4 - 6 Pk Volume	0	0	35	21	56
Pk Hr Factor	0.000	0.000	0.625	0.682	0.859	Pk Hr Factor	0.000	0.000	0.673	0.656	0.737

Collision History Data

**CITY OF LAGUNA HILLS
5-YEAR SWITRS COLLISION DATABASE
WILKES PLACE, FROM ALICIA PARKWAY TO GRISSOM ROAD
JAN. 1, 2013 - NOV. 30, 2018**

CASE ID	COLLISION DATE	COLL. TIME	COLL. PRIMARY ROAD	COLL. SECONDARY ROAD	DIST.	DIR.	INTERS.	WEATH. 1	COLL. SEVERITY	PRIM. COLL. FACT.	PCF VIOL. CAT.	PCF VIOL.	HIT AND RUN	TYPE OF COLL.	MOTOR VEHICLE INVOLVED WITH ROAD SURF.	
															WITH	SURF.
8090227	20160704	2315	ALICIA PKWY	WILKES PL	0		Y	A	4	D	0		N	A	C	A
8180551	20161113	2008	ALICIA PKWY	WILKES PL	0		Y	A	3	A	12	21453	N	D	C	A
8197315	20161122	935	ALICIA PKWY	WILKES PL	0		Y	A	4	A	12	21453	N	D	C	A

NOTES:

Weather 1	Collision Severity	Primary Collision Factor	PCF Violation Category	Hit and Run	Type of Collision
A - Clear	1 - Fatal	A - (Vehicle) Code Violation	01 - Driving or Bicycling Under Ir	F - Felony	A - Head-On
B - Cloudy	2 - Injury (Severe)	B - Other Improper Driving	02 - Impeding Traffic	M - Misdemeanor	B - Sideswipe
C - Raining	3 - Injury (Other Visible)	C - Other Than Driver	03 - Unsafe Speed	N - Not Hit & Run	C - Rear-End
D - Snowing	4 - Injury (Complaint of Pain)	D - Unknown	04 - Following Too Closely		D - Broadside
E - Fog	0 - PDO (Property Damage On	E - Fell Asleep	05 - Wrong Side of Road		E - Hit Object
F - Other		- - Not Stated	06 - Improper Passing		F - Overturned
G - Wind			07 - Unsafe Lane Change		G - Vehicle/Pedestrian
- - Not Stated			08 - Improper Turning		H - Other
			09 - Automobile ROW		- - Not Stated
			10 - Pedestrian ROW		
			11 - Pedestrian Violation		
			12 - Traffic Signals and Signs	Road Surface	
			13 - Hazardous Parking	A - Dry	
			14 - Lights	B - Wet	
			15 - Brakes	C - Snowy or Icy	
			16 - Other Equipment	D - Slippery	
			17 - Other Hazardous Violation	- - Not Stated	
			18 - Other Than Driver (or Ped)		
			19 -		
			20 -		
			21 - Unsafe Starting or Backing		
			22 - Other Improper Driving		
			23 - Pedestrian or "Other" Under the Influence		
			24 - Fell Asleep		
			00 - Unknown		
			- - Not Stated		

**CITY OF LAGUNA HILLS
5-YEAR SWITRS COLLISION DATABASE
GRISSOM ROAD, FROM WILKES PLACE TO LAS BOLSAS AVENUE
JAN. 1, 2013 - NOV. 30, 2018**

CASE ID	COLLISION DATE	COLL. TIME	COLL. PRIMARY ROAD	COLL. SECONDARY ROAD	DIST.	DIR.	INTERS.	WEATH. 1	COLL. SEVERITY	PRIM. COLL. FACT.	PCF VIOL. CAT.	PCF VIOL.	HIT AND RUN	TYPE OF COLL.	MOTOR VEHICLE INVOLVED WITH ROAD SURF.	
															WITH	SURF.
8636969	20180503	1229	GRISSOM RD	LAS BOLSAS AV	0		Y	A	0	A	8	22107	M	D	E	A

NOTES:

Weather 1	Collision Severity	Primary Collision Factor	PCF Violation Category	Hit and Run	Type of Collision
A - Clear	1 - Fatal	A - (Vehicle) Code Violation	01 - Driving or Bicycling Under Ir	F - Felony	A - Head-On
B - Cloudy	2 - Injury (Severe)	B - Other Improper Driving	02 - Impeding Traffic	M - Misdemeanor	B - Sideswipe
C - Raining	3 - Injury (Other Visible)	C - Other Than Driver	03 - Unsafe Speed	N - Not Hit & Run	C - Rear-End
D - Snowing	4 - Injury (Complaint of Pain)	D - Unknown	04 - Following Too Closely		D - Broadside
E - Fog	0 - PDO (Property Damage On	E - Fell Asleep	05 - Wrong Side of Road		E - Hit Object
F - Other		-- Not Stated	06 - Improper Passing		F - Overturned
G - Wind			07 - Unsafe Lane Change		G - Vehicle/Pedestrian
-- Not Stated			08 - Improper Turning		H - Other
			09 - Automobile ROW		-- Not Stated
	Motor Vehicle Involved With:		10 - Pedestrian ROW		
	A - Non-Collision		11 - Pedestrian Violation	Road Surface	
	B - Pedestrian		12 - Traffic Signals and Signs	A - Dry	
	C - Other Motor Vehicle		13 - Hazardous Parking	B - Wet	
	D - Motor Vehicle on Other Roadway		14 - Lights	C - Snowy or Icy	
	E - Parked Motor Vehicle		15 - Brakes	D - Slippery	
	F - Train		16 - Other Equipment	-- Not Stated	
	G - Bicycle		17 - Other Hazardous Violation		
	H - Animal		18 - Other Than Driver (or Ped)		
	I - Fixed Object		19 -		
	J - Other Object		20 -		
	-- Not Stated		21 - Unsafe Starting or Backing		
			22 - Other Improper Driving		
			23 - Pedestrian or "Other" Under the Influence		
			24 - Fell Asleep		
			00 - Unknown		
			-- Not Stated		

Origin-Destination Study Data

Prepared by National Data and Surveying Services
Origin and Destination Study

Day: Wednesday

City: Laguna Hills

Date: 12/12/2018

Project: 18-1263

Path	7:00:00 AM	7:05:00 AM	7:45:00 AM	7:50:00 AM	8:05:00 AM	8:10:00 AM	8:15:00 AM	8:50:00 AM	8:55:00 AM	Total
2 to 1	1	1	1		3		1			7
1 to 2				2	1	2	1	1	1	8
Grand Total	1	1	1	2	4	2	2	1	1	15

Location ID	Street
1	Wilkes Place S/O Alicia Pkwy
2	Velasquez Road N/O Paseo de Valencia

*All times correspond to vehicle origin time



City of Laguna Hills

Traffic Commission

Staff Report

DATE: January 16, 2019
TO: Traffic Commissioners
FROM: Amber Shah
 Associate Engineer
ISSUE: Review of Traffic Conditions on Wilkes Place and Grissom Road

RECOMMENDATION: That the Traffic Commission Receive and File the Report.

SUMMARY:

Staff was recently contacted by a resident regarding concerns of vehicular speeding, cut-through traffic and traffic collisions on Wilkes Place south of Alicia Parkway and Grissom Road east of Wilkes Place. Please see the attached Vicinity Map. Based upon the resident's concern and in accordance with the Residential Streets Management Policy, staff initiated a review of the vehicular speeds, traffic collision history and an origin and destination study (cut-through traffic analysis) on Wilkes Place south of Alicia Parkway and Grissom Road east of Wilkes Place.

The Traffic Engineers of Hartzog & Crabill, Inc., (HCI) completed the attached January 9, 2019, study of the traffic attributes of Wilkes Place and Grissom Road. The speed survey counts, performed by HCI, as shown in the study, determined the 85th percentile speeds on Wilkes Place as 30 mph south of Alicia Parkway and on Grissom Road as 28.4 mph east of Wilkes Place, respectively. Staff's experience has found the typical prevailing speed range for such streets to be between 32 and 34 mph, without traffic safety concerns. The 85th percentile speeds were below this range therefore, no action is needed in response to this data.

The traffic count data revealed the 24-hr volumes to be low for a typical residential street that is a connecting, or through, street to other neighborhoods. The origin and destination study revealed the peak hourly percentages to be very low, in the 5-10%

Review of Traffic Conditions on Wilkes Place and Grissom Road

January 16, 2019

Page 2

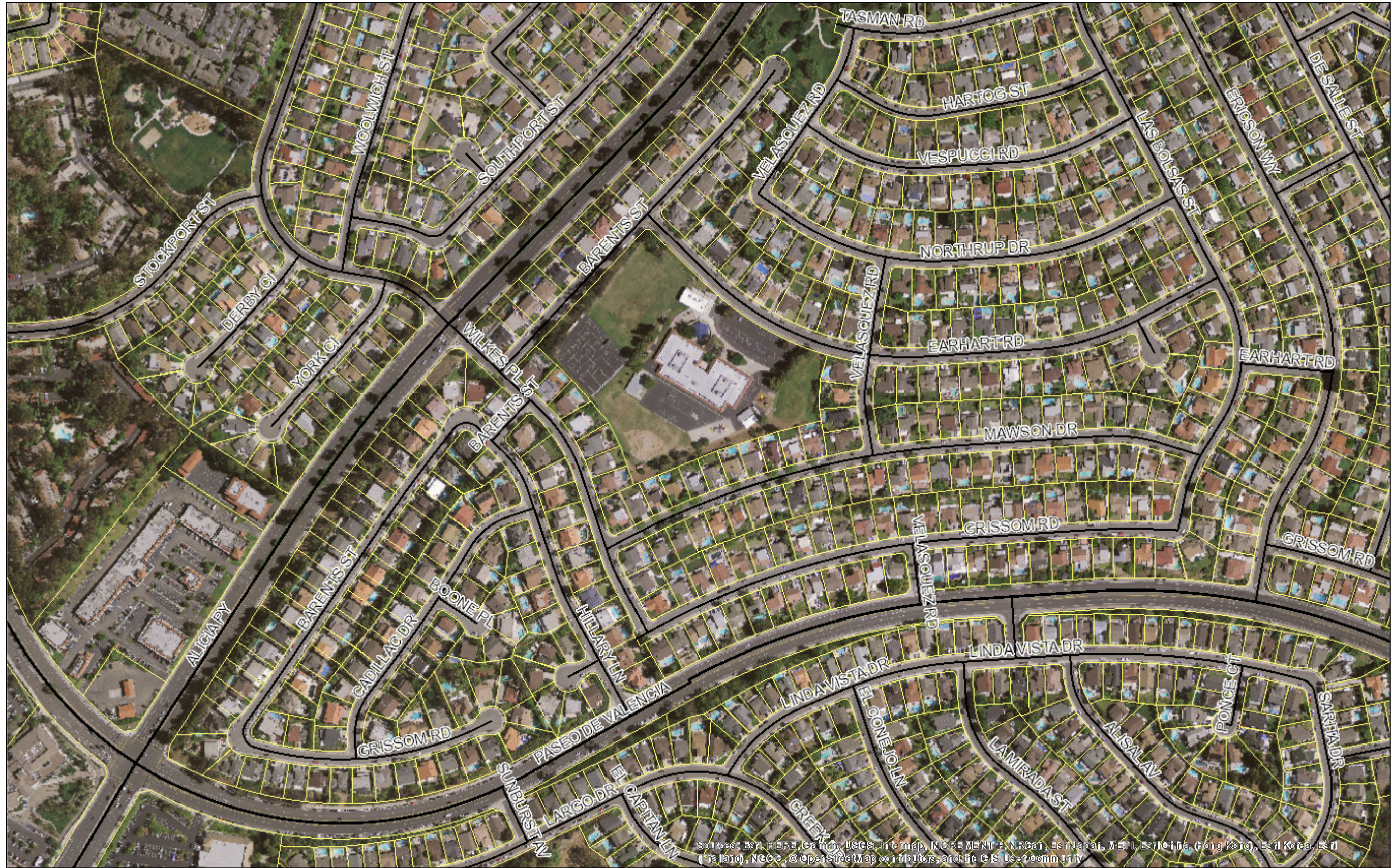
range, for what may be considered 'cut-through' traffic. The traffic volumes and cut-through traffic are not significant and no action is needed in response to this data.

A six-year traffic collision history review was also included in the study which determined four traffic collisions had been reported during this time. Three of the collisions occurred at the intersection of Wilkes Place and Alicia Parkway and were not identified as speed-related. One collision occurred on Grissom Road at the intersection of Las Bolsas Street and was also not identified as speed-related.

The resident also expressed concerns regarding the marking of crosswalks and the potential need for additional crossing guards for students walking to Lomarena Elementary School from Grissom Road. Based upon the resident's concern and the recommendation in the HCI report to update the school crossing signage on Wilkes Place, staff has initiated a field review of all (citywide) school zones and school crossing signage and markings to meet current standards at Lomarena Elementary School, San Joaquin Elementary School, Valencia Elementary School, Laguna Hills High School and New Vista School (private). This study will be presented to the Traffic Commission at a future meeting.

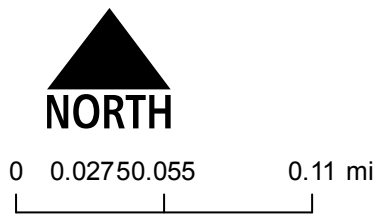
ATTACHMENTS:

- Vicinity Map - Wilkes Place and Grissom Road
- Traffic Study



Source: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCA, Esri Japan, MEL, Esri China (Hong Kong), Esri Korea, Esri (the land), NECC, © OpenStreetMap contributors, and the GIS User community

VICINITY MAP - WILKES PLACE & GRISSOM ROAD



Attachment: Vicinity Map - Wilkes Place and Grissom Road (1766 : Review of Traffic Conditions on Wilkes Place and Grissom Road)



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January 9, 2019

Mr. Kenneth H. Rosenfield, PE
Assistant City Manager/Public Services Director
City of Laguna Hills
24035 El Toro Road
Laguna Hills, CA 92653

Subject: Letter of Opinion – Speeding, Cut-through Traffic, and Collision Concerns along Wilkes Place and Grissom Road, and Speeding Along Bridlewood Drive and Nellie Gail Road

Dear Mr. Rosenfield,

Pursuant to your request, Hartzog & Crabill, Inc. (HCI) has prepared this traffic engineering evaluation regarding resident concerns of speeding and cut-through traffic, along with review of collisions, on the following two street segments:

- Wilkes Place, south of Alicia Parkway, and
- Grissom Road, east of Wilkes Place.

This evaluation also includes follow-up spot speed radar surveys along the two following two segments:

- Bridlewood Drive, between Vista Viejo Road and Laurel Crest Drive,
- Nellie Gail Road, between Oso Parkway and Hidden Trail Road.

BACKGROUND

Wilkes Place

Wilkes Place, between Alicia Parkway and Grissom Road, is a 36-foot to 40-foot wide, 2-lane, diagonal north-south residential collector roadway. At the project limits, there is a traffic signal at Alicia Parkway and a 90 degree bend at Grissom Road. There is double-yellow and single-yellow skip centerline striping along the entire segment. There is also an uncontrolled, marked yellow crosswalk across Wilkes Place at Barents Street, along with SCHOOL XING warning signs and advance SLOW SCHOOL XING pavement markings. There is a posted 25 MPH speed limit sign just south of Alicia Parkway. On-street parking is allowed along both sides of Wilkes Place.

Mr. Kenneth H. Rosenfield, PE
 January 9, 2019
 Page 2 of 8

BACKGROUND *(continued)*

Grissom Road

Grissom Road, between Wilkes Place and Las Bolsas Street, is a 36-foot wide, 2-lane, east-west residential collector roadway. At the project limits, there are 90-degree bends with double-yellow centerlines delineating the curves only. There is no centerline striping along the entire segment, and no posted speed limit signs. On-street parking is allowed along both sides of Grissom Road. An intersecting T-intersection with Velasquez Road connects to Paseo de Valencia.

Bridlewood Drive

Bridlewood Drive, between Vista Viejo Road and Laurel Crest Drive, is a 40-foot wide, 2-lane, north-south residential collector roadway. At the project limits, there is a 1-way stop at Vista Viejo Road and a 3-way stop at Laurel Crest Drive. There is no centerline striping along the entire segment, with exception of a short length of double-yellow centerline at the project limits. There are posted 25 MPH speed limit signs along Bridlewood Drive, between Vista Viejo Road and Laurel Crest Drive. There are also '25' pavement markings adjacent to the sign postings. On-street parking is allowed along both sides of Bridlewood Drive.

Nellie Gail Road

Nellie Gail Road, between Oso Parkway and Hidden Trail Road, is a 40-foot wide, curvy 2-lane, residential collector roadway. There is a traffic signal control at Oso Parkway and a one-way Stop control at Hidden Trail Road. There is a double-yellow centerline stripe along the entire segment, and a raised landscaped center median at Oso Parkway. There are Equestrian Xings with posted warning signs within this segment, along with other advance Side Street warning signs. There are posted 25 MPH speed limit signs along Nellie Gail Road between Oso Parkway and Hidden Trail Road. There is also a '25' pavement marking adjacent to the sign posting just south of Oso Parkway. On-street parking is allowed along both sides of Nellie Gail Road.

TRAVEL SPEED DATA

To determine travel speeds on the four (4) segments of:

- 1) Wilkes Place, between Alicia Parkway and Grissom Road;
- 2) Grissom Road, between Wilkes Place and Las Bolsas Street;
- 3) Bridlewood Drive, between Vista Viejo Road and Laurel Crest Drive;
- 4) Nellie Gail Road, between Oso Parkway and Hidden Trail Road;

a spot speed radar survey was conducted on each of the locations on Tuesday, December 11, and on Wednesday, December 12, 2018. Tables 1 and 2 (next page) summarize the spot speed radar survey data.

TRAVEL SPEED DATA (continued)

**TABLE 1
 SPEED SURVEY SUMMARY
 WILKES PLACE, FROM ALICIA PARKWAY TO GRISSOM ROAD
 GRISSOM ROAD, FROM WILKES PLACE TO LAS BOLSAS STREET**

Speed Summary	Along Wilkes Place Segment	Along Grissom Road Segment
Posted Speed Limit	25 MPH	25 MPH
85 th Percentile Speed	30 MPH	28.4 MPH
Average Speed	25 MPH	25.2 MPH
10 MPH Pace Range	21 - 30 MPH	20 - 29 MPH
Percent of Vehicles in Pace	74.1%	87.3%

Source: Hartzog & Crabill, Inc., 2018.

**TABLE 2
 SPEED SURVEY SUMMARY
 BRIDLEWOOD DRIVE, FROM VISTA VIEJO ROAD TO LAUREL CREST DRIVE
 NELLIE GAIL ROAD, FROM OSO PARKWAY TO HIDDEN TRAIL ROAD**

Speed Summary	Along Bridlewood Drive Segment	Along Nellie Gail Road Segment
Posted Speed Limit	25 MPH	25 MPH
85 th Percentile Speed	36.1 MPH	34.8 MPH
Average Speed	29.3 MPH	30.9 MPH
10 MPH Pace Range	25 - 34 MPH	26 - 35 MPH
Percent of Vehicles in Pace	70.7%	77.0%

Source: Hartzog & Crabill, Inc., 2018.

As shown above, the 85th percentile speeds on Wilkes Place and Grissom Road were recorded at 30 MPH and 28.4 MPH, respectively. This data shows that typical travel speeds are occurring for a posted 25 MPH speed limit street. The 85th percentile speeds on Bridlewood Drive and Nellie Gail Road were recorded at 36.1 MPH and 34.8 MPH, respectively. This data shows that higher travel speeds are occurring along Bridlewood Drive. It is noted, back in March 2018, the 85th percentile speed on Bridlewood Drive was recorded at 37.1 MPH. In May 2018, the 85th percentile speed on Nellie Gail Road was recorded at 39 MPH, which has reduced to a typical speed for this type of roadway.

The overall speed radar survey data is attached to this letter.

Mr. Kenneth H. Rosenfield, PE
January 9, 2019
Page 4 of 8

TRAVEL SPEED DATA *(continued)*

In an effort to lower overall speeds on Bridlewood Drive, the City may want to consider taking an incremental approach that may include the following:

- increased law enforcement
- frequent deployment of portable radar speed-feedback trailers
- neighborhood watch committee meeting to help make all residents aware of speeding

TRAFFIC VOLUME DATA

Average Daily Traffic (ADT) counts were collected for the two (2) segments of Wilkes Place and Grissom Road on Wednesday, December 12, 2018. The ADT, or 24-hour two-way traffic volume, along these segments resulted in 838 and 494 vehicles, respectively.

A two-lane collector street generally has a Level-of-Service (LOS) 'D' capacity of 11,300 vehicles per day. Consequently, the current traffic volumes are well under the roadway capacity, and there are no other recommendations regarding traffic volume data to provide at this time.

The ADT count data collected as part of this evaluation is attached to this letter.

COLLISION DATA

HCI obtained collision data for the past six (6) years, between January 1, 2013 – November 30, 2018, from the Statewide Integrated Traffic Records System website (*i-SWITRS*) database to determine the number of collisions occurring on the two (2) segments of Wilkes Place and Grissom Road.

Tables 3 and 4 (next page) presents the summary collision data.

Mr. Kenneth H. Rosenfield, PE
 January 9, 2019
 Page 5 of 8

COLLISION DATA *(continued)*

**TABLE 3
 TRAFFIC COLLISION DATA SUMMARY
 WILKES PLACE, FROM ALICIA PARKWAY TO GRISSOM ROAD**

YEAR	NUMBER OF COLLISIONS	FATAL	INJURY	PROPERTY DAMAGE ONLY
2013	0	0	0	0
2014	0	0	0	0
2015	0	0	0	0
2016	3	0	3	0
2017	0	0	0	0
2018 *	0	0	0	0

* Available SWITRS data up to November 2018 at the time of report preparation.

As shown above, there have been a total of three (3) collisions reported within the last six (6) years on Wilkes Place. It is noted, all three collisions occurred at the intersection of Wilkes Place and Alicia Parkway. There were no collisions determined as 'speed-related'.

**TABLE 4
 TRAFFIC COLLISION DATA SUMMARY
 GRISSOM ROAD, FROM WILKES PLACE TO LAS BOLSAS STREET**

YEAR	NUMBER OF COLLISIONS	FATAL	INJURY	PROPERTY DAMAGE ONLY
2013	0	0	0	0
2014	0	0	0	0
2015	0	0	0	0
2016	0	0	0	0
2017	0	0	0	0
2018 *	1	0	0	1

* Available SWITRS data up November 2018 at the time of report preparation.

As shown above, there has been a total of one (1) collision reported within the last six (6) years on Grissom Road. This collision occurred at the intersection of Grissom Road and Las Bolsas Street, and was not determined as 'speed-related'.

Consequently, there are no other recommendations regarding collision data on these two segments at this time.

The comprehensive 6-year segment collision history reports are attached to this letter.

Mr. Kenneth H. Rosenfield, PE
 January 9, 2019
 Page 6 of 8

CUT-THROUGH TRAFFIC

An Origin and Destination (O&D) study (i.e., license plate survey) was conducted on Wednesday, December 12, 2018 during the AM peak period (7 - 9am) to quantify the amount of traffic that are likely using Wilkes Place and Grissom Road as a short-cut.

The study collected license plate numbers in a 5-minute interval basis for all vehicles entering and exiting Wilkes Place at the project limit of Alicia Parkway, and also entering and exiting Velasquez Road at Paseo de Valencia (via Grissom Road).

Table 5 below shows a summary of the license plate matches recorded per each hour.

**TABLE 5
 ORIGIN-DESTINATION LICENSE PLATE MATCHES
 USING WILKES PLACE AND GRISSOM ROAD**

Path	7:00:00 AM	7:05:00 AM	7:45:00 AM	7:50:00 AM	8:05:00 AM	8:10:00 AM	8:15:00 AM	8:50:00 AM	8:55:00 AM	Total
2 to 1	1	1	1		3		1			7
1 to 2				2	1	2	1	1	1	8
Grand Total	1	1	1	2	4	2	2	1	1	15

The numbers (1 to 2 & 2 to 1) in Table 5 above refer to vehicles entering from and exiting to as follows:

Location 1 - Wilkes Place, just south of Alicia Parkway.

Location 2 - Velasquez Road, just north of Paseo de Valencia (short leg leading to Grissom Road).

The overall Origin-Destination Study spreadsheet is attached to this letter.

Per the ADT count data collected, the hourly traffic volumes for these same peak hours are compared as follows:

<u>Hour</u>	<u>ADT Traffic Volume</u>	<u>Cut-Thru</u>	<u>Cut-Thru/Volume</u>
7-8 AM	48	5	10%
8-9 AM	170	10	6%

As shown above, the actual hourly percentages are very low for what may be considered 'cut-through' traffic. Consequently, there are no recommendations regarding 'cut-through' traffic at this time.

Mr. Kenneth H. Rosenfield, PE
 January 9, 2019
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SUMMARY

Wilkes Place and Grissom Road

In summary, the traffic data on Wilkes Place and Grissom Road resulted in the following:

- ✓ typical travel speeds are occurring for these 25 MPH speed limit streets;
- ✓ traffic volumes are well-below the traffic carrying capacity of the two roadways;
- ✓ there is no traffic collision history related to traffic speeds along these segments; and,
- ✓ 'cut-through' traffic is determined as very low.

Bridlewood Drive and Nellie Gail Road

In summary, the recent speed data on Bridlewood Drive and Nellie Gail Road resulted in the following:

- ✓ higher than typical travel speeds are occurring along Bridlewood Drive.
- ✓ the Nellie Gail Road speed results are typical and do not result in recommended actions.

RECOMMENDATIONS

Wilkes Place and Grissom Road

In review of the existing School Xing signage on Wilkes Place, it is recommended to update the signage to the newer standard signs with fluorescent yellow-green background.

Bridlewood Drive

In order to address the higher travel speeds along Bridlewood Drive, it is recommended that an incremental approach continue to be followed, which includes:

- increased law enforcement.
- frequent deployment of portable radar speed-feedback trailers.
- neighborhood watch committee meeting to help make all residents aware of speeding.

Mr. Kenneth H. Rosenfield, PE
January 9, 2019
Page 8 of 8

It has been our pleasure to prepare this letter of opinion regarding speeds, traffic volumes, collisions, and cut-through traffic on these project segments. If you have any questions or need additional information, please feel free to call us anytime at (714) 731-9455.

Sincerely,
HARTZOG & CRABILL, INC.



Gerald J. Stock, PE, TE
Executive Vice President

Attachments: Spot Speed Radar Data
 ADT Traffic Volume Data
 Collision History Data
 Origin-Destination Study

Spot Speed Radar Data

**SUMMARY OF SPOT SPEED SURVEYS
DECEMBER 2018**

STREET LOCATION	EXISTING SPEED LIMIT	RECOMMENDED SPEED LIMIT	85TH PERCENTILE SPEED	AVERAGE SPEED	10 MPH PACE RANGE	PERCENT OF VEHICLES IN PACE	DAY / DATE / TIME
<u>BRIDLEWOOD DRIVE</u>							
LAUREL CREST TO VISTA VIEJO	25	-	36.1	29.3	25-34	70.7	WED / 12-12-18 / MID-DAY (12:15 - 2:00)
<u>GRISSOM ROAD</u>							
WILKES PL TO LAS BOLSAS ST	25	-	28.4	25.2	20-29	87.3	TUES / 12-11-18 / MID-DAY (12:15 – 2:00)
<u>NELLIE GAIL ROAD</u>							
OSO PKWY TO HIDDEN TRAIL RD	25	-	34.8	30.9	26-35	77.0	WED / 12-12-18 / MID-DAY (11:00 – 12:00)
<u>WILKES PLACE</u>							
ALICIA PKWY TO GRISSOM RD	25	-	30.0	25.0	21-30	74.1	TUES / 12-11-18 / MID-DAY (10:45 – 12:15)

Attachment: Traffic Study (1766 : Review of Traffic Conditions on Wilkes Place and Grissom Road)

HARTZOG AND CRABILL INC.
 Consulting Traffic Engineers
 17592 Inna Blvd., Suite 122, Tustin CA 92690
 (714) 731-9452

Radar Speed Survey Field Sheet

AGENCY: CITY OF LAGUNA HILLS
 STREET: BRIDLEWOOD
 LOCATION: VISTA VIEJO RD TO LAUREL CREST DR

WEATHER: SUNNY DATE: 12-12-18
 ROAD CONDITION: DRY START TIME: 12:15 PM
 OBSERVER: CATHY BUENDIA END TIME: 2:00 PM VUL

DIRECTION: SOUTHBOUND

MPH	NUMBER OF VEHICLES					TOTAL
	5	10	15	20	25	
60						
59						
58						
57						
56						
55						
54						
53						
52						
51						
50						
49						
48						
47	/					1
46						0
45						0
44	/					1
43	/					1
42						0
41						0
40	/					1
39	//					2
38						0
37						0
36						0
35	/					1
34	//					2
33	/					1
32	/					1
31	/	/				2
30	/	/	/			3
29	/	/	/			3
28	/	/	/	/		4
27	/	/	/	/		4
26	/	/	/	/	/	5
25	/	/	/	/	/	5
24	/	/	/	/	/	5
23	/	/	/	/	/	5
22	/	/	/	/	/	5
21	/	/	/	/	/	5
20	/	/	/	/	/	5
19						0
18						0
17						0
16						0
15						0

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

DIRECTION: NORTHBOUND

MPH	NUMBER OF VEHICLES					TOTAL	CUMULATIVE TOTAL	MPH
	5	10	15	20	25			
60								60
59								59
58								58
57								57
56								56
55								55
54								54
53								53
52								52
51								51
50								50
49								49
48								48
47	/						1	47
46							0	46
45	/						1	45
44							0	44
43							0	43
42							0	42
41	//						2	41
40	/						1	40
39	//						2	39
38							0	38
37	/						1	37
36	/						2	36
35	/	/					3	35
34	/	/	/				4	34
33	/	/	/	/			5	33
32	/	/	/	/	/		6	32
31	/	/	/	/	/		7	31
30	/	/	/	/	/		8	30
29	/	/	/	/	/		9	29
28	/	/	/	/	/		10	28
27	/	/	/	/	/		11	27
26	/	/	/	/	/		12	26
25	/	/	/	/	/		13	25
24	/	/	/	/	/		14	24
23	/	/	/	/	/		15	23
22	/	/	/	/	/		16	22
21	/	/	/	/	/		17	21
20	/	/	/	/	/		18	20
19							19	19
18							18	18
17							17	17
16							16	16
15							15	15

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

Attachment: Traffic Study (1766 : Review of Traffic Conditions on Wilkes Place and Grissom Road)

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

BRIDLEWOOD DRIVE

DATE: 12/12/2018

TIME: 12:15 PM - 2:00 PM

LAUREL CREST DR TO VISTA VIEJO

SURVEY BY: C. BUENDIA

CHECKED BY: JERRY STOCK

SPEED	NUMBER OF VEHICLES					VEH.	PCT.	CUM. PCT.
	5	10	15	20	25			
60								100.0%
								100.0%
								100.0%
								100.0%
55								100.0%
								100.0%
								100.0%
								100.0%
50								100.0%
								100.0%
								100.0%
	X	X				2	2.0%	100.0%
45	X					0	0.0%	98.0%
	X					1	1.0%	98.0%
	X					1	1.0%	97.0%
						0	0.0%	94.9%
40	X	X				2	2.0%	94.9%
	X					1	1.0%	92.9%
	X	X	X	X		4	4.0%	91.9%
						0	0.0%	87.9%
	X	X	X			3	3.0%	87.9%
35	X	X	X	X	X	0	0.0%	84.8%
	X	X	X	X		5	5.1%	84.8%
	X	X	X	X	X	4	4.0%	79.8%
	X	X	X	X	X	5	5.1%	75.8%
	X	X	X	X	X	7	7.1%	70.7%
30	X	X	X	X	X	9	9.1%	63.6%
	X	X	X	X	X	6	6.1%	54.5%
	X	X	X	X	X	4	4.0%	48.5%
	X	X	X	X	X	11	11.1%	44.4%
	X	X	X	X	X	8	8.1%	33.3%
	X	X	X	X	X	5	5.1%	25.3%
25	X	X	X	X	X	11	11.1%	20.2%
	X	X	X	X		4	4.0%	9.1%
	X	X	X			3	3.0%	5.1%
	X					1	1.0%	2.0%
20	X					0	0.0%	1.0%
						1	1.0%	1.0%
								0.0%
								0.0%
								0.0%
15								0.0%
TOTAL VEHICLES						99		0.0%

Attachment: Traffic Study (1766 : Review of Traffic Conditions on Wilkes Place and Grissom Road)

UPPER LIMIT 10 MPH PACE:	34	MPH	85th PERCENTILE SPEED:	36.1	MPH
LOWER LIMIT 10 MPH PACE:	25	MPH	MEDIAN SPEED:	29.3	MPH
PERCENT OVER PACE:	24.2	%	15th PERCENTILE SPEED:	24.5	MPH
PERCENT IN PACE:	70.7	%			
PERCENT UNDER PACE:	9.1	%			

Radars Speed Survey Field Sheet

AGENCY: CITY OF LAGUNA HILLS
 STREET: GRISSOM ROAD
 LOCATION: WILKES PL TO LAS BOLSAS ST.

WEATHER: SUNNY DATE: 12-11-18
 ROAD CONDITION: DRY START TIME: 12:15 PM
 OBSERVER: CATHY BUENDIA END TIME: 2:00 PM

DIRECTION: WESTBOUND

MPH	NUMBER OF VEHICLES					TOTAL
	5	10	15	20	25	
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	/					0
33	/					0
32	/					0
31	/	/				2
30	/	/				1
29	/	/				1
28	/	/	/			1
27	/	/	/	/		4
26	/	/	/	/		3
25	/	/	/	/		4
24	/	/	/	/		5
23	/	/	/	/		2
22	/	/	/	/		2
21	/	/	/	/		1
20	/	/	/	/		2
19						
18						
17						
16						
15						

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

DIRECTION: EASTBOUND

MPH	NUMBER OF VEHICLES					TOTAL	CUMULATIVE TOTAL	MPH
	5	10	15	20	25			
60								60
59								59
58								58
57								57
56								56
55								55
54								54
53								53
52								52
51								51
50								50
49								49
48								48
47								47
46								46
45								45
44								44
43								43
42								42
41								41
40								40
39								39
38								38
37								37
36	/							36
35	/					0		35
34	/							34
33	/							33
32	/					0	0	32
31	/	/				0	2	31
30	/	/				0	0	30
29	/	/				1	2	29
28	/	/	/			5	6	28
27	/	/	/	/		2	6	27
26	/	/	/	/		5	8	26
25	/	/	/	/		4	9	25
24	/	/	/	/		4	9	24
23	/	/	/	/		0	2	23
22	/	/	/	/		2	3	22
21	/	/	/	/		1	2	21
20	/	/	/	/			2	20
19								19
18								18
17								17
16								16
15								15

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

Attachment: Traffic Study (1766 : Review of Traffic Conditions on Wilkes Place and Grissom Road)

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS
 GRISSOM ROAD
 DATE: 12/11/2018
 TIME: 12:15 PM - 2:00 PM

WILKES PLACE TO LAS BOLSAS ST
 SURVEY BY: C. BUENDIA
 CHECKED BY: JERRY STOCK

SPEED	NUMBER OF VEHICLES					VEH.	PCT.	CUM. PCT.
	5	10	15	20	25			
60								100.0%
								100.0%
								100.0%
								100.0%
55								100.0%
								100.0%
								100.0%
								100.0%
50								100.0%
								100.0%
								100.0%
								100.0%
45								100.0%
								100.0%
								100.0%
								100.0%
40								100.0%
								100.0%
								100.0%
								100.0%
35	X					1	1.8%	100.0%
	X					1	1.8%	98.2%
	X					1	1.8%	96.4%
	X					1	1.8%	94.5%
						0	0.0%	92.7%
30	X X					2	3.6%	92.7%
	X X					1	1.8%	89.1%
	X X X X X X					6	10.9%	87.3%
	X X X X X X					6	10.9%	83.6%
25	X X X X X X X X					8	14.5%	61.8%
	X X X X X X X X					8	14.5%	47.3%
	X X X X X X X X X					9	16.4%	32.7%
	X X					2	3.6%	16.4%
	X X X					3	5.5%	12.7%
20	X X					2	3.6%	7.3%
	X X					2	3.6%	3.6%
								0.0%
								0.0%
								0.0%
15								0.0%
								0.0%
TOTAL VEHICLES						55		

Attachment: Traffic Study (1766 : Review of Traffic Conditions on Wilkes Place and Grissom Road)

UPPER LIMIT 10 MPH PACE:	29	MPH	85th PERCENTILE SPEED:	28.4	MPH
LOWER LIMIT 10 MPH PACE:	20	MPH	MEDIAN SPEED:	25.2	MPH
PERCENT OVER PACE:	12.7	%	15th PERCENTILE SPEED:	22.6	MPH
PERCENT IN PACE:	87.3	%			
PERCENT UNDER PACE:	0.0	%			

Radar Speed Survey Field Sheet

AGENCY: CITY OF LAGUNA HILLS
 STREET: NELLIE GAIL ROAD
 LOCATION: 050 PKWY TO HIDDEN TRAIL RD

WEATHER: SUNNY DATE: 12-12-18
 ROAD CONDITION: DRY START TIME: 11:00 AM
 OBSERVER: CATHY BUENDIA END TIME: 12:00 PM ✓ OK

DIRECTION: SOUTHBOUND

MPH	NUMBER OF VEHICLES					TOTAL
	5	10	15	20	25	
60						
59						
58						
57						
56						
55						
54						
53						
52						
51						
50						
49						
48						
47						
46						
45						
44						
43	/					2
42	/					0
41	/					0
40						0
39						0
38	/					1
37	/	/				2
36	/	/				0
35	/	/	/			7
34	/	/	/	/		4
33	/	/	/	/		4
32	/	/	/	/		6
31	/	/	/	/		2
30	/	/	/	/		3
29	/	/	/	/		9
28	/	/	/	/		4
27	/	/	/	/		4
26	/	/	/	/		5
25	/	/	/	/		4
24	/	/	/	/		2
23	/	/	/	/		
22	/	/	/	/		
21	/	/	/	/		0
20	/	/	/	/		1
19						
18						
17						
16						
15						

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

DIRECTION: NORTHBOUND

MPH	NUMBER OF VEHICLES					TOTAL	CUMULATIVE TOTAL	MPH
	5	10	15	20	25			
60								60
59								59
58								58
57								57
56								56
55								55
54								54
53								53
52								52
51								51
50								50
49								49
48								48
47								47
46								46
45								45
44								44
43							2	43
42							0	42
41							1	41
40							1	40
39	/						2	39
38	/						0	38
37	/	/					2	37
36	/	/					2	36
35	/	/	/				10	35
34	/	/	/	/			2	34
33	/	/	/	/			5	33
32	/	/	/	/			8	32
31	/	/	/	/			9	31
30	/	/	/	/			2	30
29	/	/	/	/			4	29
28	/	/	/	/			4	28
27	/	/	/	/			7	27
26	/	/	/	/			0	26
25	/	/	/	/			5	25
24	/	/	/	/			3	24
23	/	/	/	/			0	23
22	/	/	/	/				2
21	/	/	/	/			1	21
20								20
19								19
18								18
17								17
16								16
15								15

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

Attachment: Traffic Study (1766 : Review of Traffic Conditions on Wilkes Place and Grissom Road)



RADAR SPEED DISTRIBUTION SHEET

CITY OF LAGUNA HILLS

NELLIE GAIL ROAD

OSO PKWY TO HIDDEN TRAIL RD

DATE: 12/12/2018

SURVEY BY: C. BUENDIA

TIME: 11:00 AM - 12:00 PM

CHECKED BY: JERRY STOCK

SPEED	NUMBER OF VEHICLES										VEH.	PCT.	CUM. PCT.	
	5	10	15	20	25									
60													100.0%	
													100.0%	
													100.0%	
													100.0%	
55													100.0%	
													100.0%	
													100.0%	
50													100.0%	
													100.0%	
													100.0%	
45													100.0%	
													100.0%	
	X	X										2	1.4%	100.0%
												0	0.0%	98.6%
40	X											1	0.7%	98.6%
	X	X										2	1.4%	97.1%
	X											1	0.7%	95.7%
	X	X	X	X	X	X	X	X				8	5.8%	95.0%
	X	X										2	1.4%	89.2%
35	X	X	X	X	X	X	X	X	X	X	X	17	12.2%	87.8%
	X	X	X	X	X	X	X	X	X			11	7.9%	75.5%
	X	X	X	X	X	X	X	X				9	6.5%	67.6%
	X	X	X	X	X	X	X	X	X	X	X	14	10.1%	61.2%
	X	X	X	X	X	X	X	X	X			11	7.9%	51.1%
30	X	X	X	X	X	X						7	5.0%	43.2%
	X	X	X	X	X	X	X	X	X	X	X	13	9.4%	38.1%
	X	X	X	X	X	X	X	X	X			11	7.9%	28.8%
	X	X	X	X								4	2.9%	20.9%
25	X	X	X	X	X							10	7.2%	18.0%
	X	X	X	X	X							5	3.6%	10.8%
	X	X	X	X								5	3.6%	7.2%
	X											1	0.7%	3.6%
	X	X										2	1.4%	2.9%
20	X											1	0.7%	1.4%
													0.0%	0.0%
													0.0%	0.0%
													0.0%	0.0%
15													0.0%	0.0%
TOTAL VEHICLES											139			

UPPER LIMIT 10 MPH PACE:	35	MPH	85th PERCENTILE SPEED:	34.8	MPH
LOWER LIMIT 10 MPH PACE:	26	MPH	MEDIAN SPEED:	30.9	MPH
PERCENT OVER PACE:	12.2	%	15th PERCENTILE SPEED:	25.6	MPH
PERCENT IN PACE:	77.0	%			
PERCENT UNDER PACE:	10.8	%			

Attachment: Traffic Study (1766 : Review of Traffic Conditions on Wilkes Place and Grissom Road)

Radar Speed Survey Field Sheet

AGENCY: CITY OF LAGUNA HILLS
 STREET: WILKES PLACE
 LOCATION: ALICIA PKWY TO GRISSOM RD

WEATHER: SUNNY DATE: 12-11-18
 ROAD CONDITION: DRY START TIME: 10:45 AM
 OBSERVER: CATHY BUENDIA END TIME: 12:15 PM *WKL*

DIRECTION: <u>SOUTHBOUND</u>	MPH	NUMBER OF VEHICLES					TOTAL
		5	10	15	20	25	
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							1
35							0
34							0
33	/						2
32	/						2
31	/						0
30	/						2
29	/						1
28	/						0
27	/						3
26	/						0
25	/						3
24	/						1
23	/						2
22	/						1
21	/	/					5
20	/	/	/				4
19	/	/	/	/			0
18	/	/	/	/	/		1
17							
16							
15							

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____
 CUMULATIVE (BOTH DIRECTIONS) _____

DIRECTION:	MPH	NUMBER OF VEHICLES					TOTAL	CUMULATIVE TOTAL	MPH
		5	10	15	20	25			
60									60
59									59
58									58
57									57
56									56
55									55
54									54
53									53
52									52
51									51
50									50
49									49
48									48
47									47
46									46
45									45
44									44
43									43
42									42
41									41
40									40
39									39
38	/							1	38
37	/							0	37
36	/							0	36
35	/							0	35
34	/							0	34
33	/							0	33
32	/							1	32
31	/							1	31
30	/	/						4	30
29	/	/						2	29
28	/	/	/					4	28
27	/	/	/	/				4	27
26	/	/	/	/	/			2	26
25	/	/	/	/	/			3	25
24	/	/	/	/	/			2	24
23	/	/	/	/	/			0	23
22	/	/	/	/	/			2	22
21	/	/	/	/	/			7	21
20	/	/	/	/	/			0	20
19	/	/	/	/	/			0	19
18	/	/	/	/	/			1	18
17									17
16									16
15									15

AVERAGE SPEED: _____ CRITICAL SPEED: _____ PACE SPEED: _____

Attachment: Traffic Study (1766 : Review of Traffic Conditions on Wilkes Place and Grissom Road)

RADAR SPEED DISTRIBUTION SHEET



CITY OF LAGUNA HILLS

WILKES PLACE

ALICIA PKWY TO GRISSOM ROAD

DATE: 12/11/2018

SURVEY BY: C. BUENDIA

TIME: 10:45 AM - 12:15 PM

CHECKED BY: JERRY STOCK

SPEED	NUMBER OF VEHICLES					VEH.	PCT.	CUM. PCT.
	5	10	15	20	25			
60								100.0%
								100.0%
								100.0%
								100.0%
55								100.0%
								100.0%
								100.0%
								100.0%
50								100.0%
								100.0%
								100.0%
								100.0%
45								100.0%
								100.0%
								100.0%
								100.0%
40								100.0%
								100.0%
								100.0%
								100.0%
	X					1	1.9%	100.0%
						0	0.0%	98.1%
	X					1	1.9%	98.1%
35						0	0.0%	96.3%
						0	0.0%	96.3%
	X	X				2	3.7%	96.3%
	X	X	X			3	5.6%	92.6%
	X					1	1.9%	87.0%
30	X	X	X	X	X	6	11.1%	85.2%
	X	X	X			3	5.6%	74.1%
	X	X	X	X		4	7.4%	68.5%
	X	X	X	X		4	7.4%	61.1%
	X	X				2	3.7%	53.7%
25	X	X	X	X	X	6	11.1%	50.0%
	X	X	X			3	5.6%	38.9%
	X	X				2	3.7%	33.3%
	X	X	X			3	5.6%	29.6%
	X	X	X	X	X	7	13.0%	24.1%
20	X	X	X	X		4	7.4%	11.1%
						0	0.0%	3.7%
	X	X				2	3.7%	3.7%
								0.0%
								0.0%
15								0.0%
TOTAL VEHICLES						54		

UPPER LIMIT 10 MPH PACE:	30	MPH	85th PERCENTILE SPEED:	30.0	MPH
LOWER LIMIT 10 MPH PACE:	21	MPH	MEDIAN SPEED:	25.0	MPH
PERCENT OVER PACE:	14.8	%	15th PERCENTILE SPEED:	20.3	MPH
PERCENT IN PACE:	74.1	%			
PERCENT UNDER PACE:	11.1	%			

Attachment: Traffic Study (1766 : Review of Traffic Conditions on Wilkes Place and Grissom Road)

ADT Traffic Volume Data

Prepared by NDS/ATD

VOLUME

Wilkes Pl Bet. Alicia Pkwy & Grissom Rd

Day: Wednesday
Date: 12/12/2018

City: Laguna Hills
Project #: CA18_1262_001

DAILY TOTALS						NB	SB	EB	WB	Total	
						465	373	0	0	838	
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	2	2			4	12:00	10	6			16
00:15	1	1			2	12:15	6	3			9
00:30	0	1			1	12:30	3	7			10
00:45	0	3	0	4	0	12:45	3	22	9	25	12
01:00	0	0			0	13:00	6	21			27
01:15	0	1			1	13:15	55	12			67
01:30	0	0			0	13:30	15	4			19
01:45	0	0	1		0	13:45	3	79	6	43	9
02:00	0	0			0	14:00	6	1			7
02:15	0	0			0	14:15	3	0			3
02:30	1	0			1	14:30	3	7			10
02:45	0	1	0		0	14:45	5	17	3	11	8
03:00	0	1			1	15:00	6	6			12
03:15	0	0			0	15:15	1	6			7
03:30	0	0			0	15:30	4	5			9
03:45	0	0	1		0	15:45	5	16	1	18	6
04:00	0	0			0	16:00	6	2			8
04:15	1	1			2	16:15	5	8			13
04:30	0	0			0	16:30	8	7			15
04:45	1	2	1	2	2	16:45	5	24	7	24	12
05:00	2	0			2	17:00	4	10			14
05:15	2	1			3	17:15	7	11			18
05:30	4	0			4	17:30	9	7			16
05:45	3	11	0	1	3	17:45	6	26	2	30	8
06:00	1	0			1	18:00	6	9			15
06:15	2	1			3	18:15	2	5			7
06:30	2	2			4	18:30	2	6			8
06:45	7	12	2	5	9	18:45	5	15	8	28	13
07:00	3	2			5	19:00	0	5			5
07:15	6	3			9	19:15	1	2			3
07:30	7	4			11	19:30	5	3			8
07:45	12	28	11	20	23	19:45	3	9	10	20	13
08:00	68	29			97	20:00	2	8			10
08:15	34	3			37	20:15	2	3			5
08:30	13	5			18	20:30	1	5			6
08:45	11	126	7	44	18	20:45	3	8	6	22	9
09:00	2	7			9	21:00	4	3			7
09:15	4	5			9	21:15	0	5			5
09:30	3	1			4	21:30	0	2			2
09:45	5	14	4	17	9	21:45	2	6	1	11	3
10:00	2	1			3	22:00	1	4			5
10:15	6	6			12	22:15	1	3			4
10:30	4	6			10	22:30	1	0			1
10:45	4	16	4	17	8	22:45	1	4	0	7	1
11:00	5	8			13	23:00	1	0			1
11:15	8	3			11	23:15	0	2			2
11:30	6	2			8	23:30	2	2			4
11:45	4	23	3	16	7	23:45	0	3	2	6	2
TOTALS	236	128			364	TOTALS	229	245			474
SPLIT %	64.8%	35.2%			43.4%	SPLIT %	48.3%	51.7%			56.6

Attachment: Traffic Study (1766 : Review of Traffic Conditions on Wilkes Place and Grissom Road)

DAILY TOTALS						NB	SB	EB	WB	Total	
						465	373	0	0	838	
AM Peak Hour	07:45	07:45			07:45	PM Peak Hour	12:45	12:30		12:4	
AM Pk Volume	127	48			175	PM Pk Volume	79	49		125	
Pk Hr Factor	0.467	0.414			0.451	Pk Hr Factor	0.359	0.583		0.46	
7 - 9 Volume	154	64	0	0	218	4 - 6 Volume	50	54	0	0	104
7 - 9 Peak Hour	07:45	07:45			07:45	4 - 6 Peak Hour	17:00	16:30			16:4
7 - 9 Pk Volume	127	48	0	0	175	4 - 6 Pk Volume	26	35	0	0	60
Pk Hr Factor	0.467	0.414	0.000	0.000	0.451	Pk Hr Factor	0.722	0.795	0.000	0.000	0.83

Prepared by NDS/ATD

VOLUME

Grissom Rd Bet. Wilkes Pl & Las Bolsas

Day: Wednesday
Date: 12/12/2018

City: Laguna Hills
Project #: CA18_1262_002

DAILY TOTALS					NB	SB	EB	WB	Total		
					0	0	259	235	494		
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00			0	0	0	12:00			3	1	4
00:15			0	0	0	12:15			2	2	4
00:30			0	0	0	12:30			4	0	4
00:45			0	0	0	12:45			1	10	5
01:00			0	1	1	13:00			8	4	12
01:15			0	0	0	13:15			4	16	20
01:30			0	0	0	13:30			7	1	8
01:45			0	0	1	13:45			4	23	2
02:00			1	0	1	14:00			5	3	8
02:15			0	0	0	14:15			8	4	12
02:30			0	0	0	14:30			4	4	8
02:45			0	1	0	14:45			3	20	6
03:00			0	1	1	15:00			7	3	10
03:15			0	0	0	15:15			2	2	4
03:30			0	0	0	15:30			3	4	7
03:45			0	0	1	15:45			6	18	8
04:00			0	0	0	16:00			4	2	6
04:15			1	0	1	16:15			6	3	9
04:30			0	2	2	16:30			2	5	7
04:45			1	2	3	16:45			9	21	4
05:00			0	0	0	17:00			8	2	10
05:15			0	1	1	17:15			13	4	17
05:30			0	0	0	17:30			3	7	10
05:45			0	1	2	17:45			11	35	8
06:00			0	1	1	18:00			8	1	9
06:15			3	3	6	18:15			6	2	8
06:30			0	4	4	18:30			4	2	6
06:45			3	6	4	18:45			1	19	4
07:00			2	1	3	19:00			4	2	6
07:15			2	5	7	19:15			1	3	4
07:30			4	8	12	19:30			4	1	5
07:45			10	18	6	19:45			4	13	6
08:00			7	5	12	20:00			4	1	5
08:15			4	11	15	20:15			1	1	2
08:30			4	4	8	20:30			3	1	4
08:45			2	17	4	20:45			0	8	0
09:00			6	2	8	21:00			3	1	4
09:15			3	5	8	21:15			0	0	0
09:30			0	5	5	21:30			3	1	4
09:45			2	11	3	21:45			2	8	1
10:00			2	2	4	22:00			0	1	1
10:15			4	3	7	22:15			1	1	2
10:30			4	4	8	22:30			1	0	1
10:45			2	12	2	22:45			0	2	0
11:00			6	5	11	23:00			0	0	0
11:15			2	4	6	23:15			0	0	0
11:30			3	3	6	23:30			0	2	2
11:45			3	14	1	23:45			1	1	0
TOTALS			81	104	185	TOTALS			178	131	309
SPLIT %			43.8%	56.2%	37.4%	SPLIT %			57.6%	42.4%	62.6

Attachment: Traffic Study (1766 : Review of Traffic Conditions on Wilkes Place and Grissom Road)

DAILY TOTALS					NB	SB	EB	WB	Total		
					0	0	259	235	494		
AM Peak Hour			07:30	07:30	07:30	PM Peak Hour			17:00	12:45	17:00
AM Pk Volume			25	30	55	PM Pk Volume			35	26	56
Pk Hr Factor			0.625	0.682	0.859	Pk Hr Factor			0.673	0.406	0.73
7 - 9 Volume	0	0	35	44	79	4 - 6 Volume	0	0	56	35	91
7 - 9 Peak Hour			07:30	07:30	07:30	4 - 6 Peak Hour			17:00	17:00	17:00
7 - 9 Pk Volume	0	0	25	30	55	4 - 6 Pk Volume	0	0	35	21	56
Pk Hr Factor	0.000	0.000	0.625	0.682	0.859	Pk Hr Factor	0.000	0.000	0.673	0.656	0.73

Collision History Data

**CITY OF LAGUNA HILLS
5-YEAR SWITRS COLLISION DATABASE
WILKES PLACE, FROM ALICIA PARKWAY TO GRISSOM ROAD
JAN. 1, 2013 - NOV. 30, 2018**

CASE ID	COLLISION DATE	COLL. TIME	COLL. PRIMARY ROAD	COLL. SECONDARY ROAD	DIST.	DIR.	INTERS.	WEATH. 1	COLL. SEVERITY	PRIM. COLL. FACT.	PCF VIOL. CAT.	PCF VIOL.	HIT AND RUN	TYPE OF COLL.	MOTOR VEHICLE INVOLVED WITH	RC SL
8090227	20160704	2315	ALICIA PKWY	WILKES PL	0		Y	A	4	D	0		N	A	C	
8180551	20161113	2008	ALICIA PKWY	WILKES PL	0		Y	A	3	A	12	21453	N	D	C	
8197315	20161122	935	ALICIA PKWY	WILKES PL	0		Y	A	4	A	12	21453	N	D	C	

NOTES:

- | | | | | | |
|------------------|--------------------------------|---------------------------------|--|---------------------|--------------------------|
| Weather 1 | Collision Severity | Primary Collision Factor | PCF Violation Category | Hit and Run | Type of Collision |
| A - Clear | 1 - Fatal | A - (Vehicle) Code Violation | 01 - Driving or Bicycling Under Ir | F - Felony | A - Head-On |
| B - Cloudy | 2 - Injury (Severe) | B - Other Improper Driving | 02 - Impeding Traffic | M - Misdemeanor | B - Sideswipe |
| C - Raining | 3 - Injury (Other Visible) | C - Other Than Driver | 03 - Unsafe Speed | N - Not Hit & Run | C - Rear-End |
| D - Snowing | 4 - Injury (Complaint of Pain) | D - Unknown | 04 - Following Too Closely | | D - Broadside |
| E - Fog | 0 - PDO (Property Damage On | E - Fell Asleep | 05 - Wrong Side of Road | | E - Hit Object |
| F - Other | | - - Not Stated | 06 - Improper Passing | | F - Overturned |
| G - Wind | | | 07 - Unsafe Lane Change | | G - Vehicle/Pedestrian |
| - - Not Stated | | | 08 - Improper Turning | | H - Other |
| | | | 09 - Automobile ROW | | - - Not Stated |
| | | | 10 - Pedestrian ROW | | |
| | | | 11 - Pedestrian Violation | | |
| | | | 12 - Traffic Signals and Signs | Road Surface | |
| | | | 13 - Hazardous Parking | A - Dry | |
| | | | 14 - Lights | B - Wet | |
| | | | 15 - Brakes | C - Snowy or Icy | |
| | | | 16 - Other Equipment | D - Slippery | |
| | | | 17 - Other Hazardous Violation | - - Not Stated | |
| | | | 18 - Other Than Driver (or Ped) | | |
| | | | 19 - | | |
| | | | 20 - | | |
| | | | 21 - Unsafe Starting or Backing | | |
| | | | 22 - Other Improper Driving | | |
| | | | 23 - Pedestrian or "Other" Under the Influence | | |
| | | | 24 - Fell Asleep | | |
| | | | 00 - Unknown | | |
| | | | - - Not Stated | | |

- Motor Vehicle Involved With:**
- A - Non-Collision
 - B - Pedestrian
 - C - Other Motor Vehicle
 - D - Motor Vehicle on Other Roadway
 - E - Parked Motor Vehicle
 - F - Train
 - G - Bicycle
 - H - Animal
 - I - Fixed Object
 - J - Other Object
 - - Not Stated

Attachment: Traffic Study (1766 : Review of Traffic Conditions on Wilkes Place and Grissom Road)

**CITY OF LAGUNA HILLS
5-YEAR SWITRS COLLISION DATABASE
GRISSOM ROAD, FROM WILKES PLACE TO LAS BOLSAS AVENUE
JAN. 1, 2013 - NOV. 30, 2018**

CASE ID	COLLISION DATE	COLL. TIME	COLL. PRIMARY ROAD	COLL. SECONDARY ROAD	COLL. DIST.	COLL. DIR.	COLL. INTERS.	WEATH. 1	COLL. SEVERITY	PRIM. COLL. FACT.	PCF VIOL. CAT.	PCF VIOL.	HIT AND RUN	TYPE OF COLL.	MOTOR VEHICLE INVOLVED WITH	RC SL
8636969	20180503	1229	GRISSOM RD	LAS BOLSAS AV	0		Y	A	0	A	8	22107	M	D	E	

NOTES:

- | | | | | | | |
|---|--|--|--|---|--|---|
| <p>Weather 1
 A - Clear
 B - Cloudy
 C - Raining
 D - Snowing
 E - Fog
 F - Other
 G - Wind
 -- Not Stated</p> | <p>Collision Severity
 1 - Fatal
 2 - Injury (Severe)
 3 - Injury (Other Visible)
 4 - Injury (Complaint of Pain)
 0 - PDO (Property Damage Only)</p> | <p>Primary Collision Factor
 A - (Vehicle) Code Violation
 B - Other Improper Driving
 C - Other Than Driver
 D - Unknown
 E - Fell Asleep
 -- Not Stated</p> | <p>PCF Violation Category
 01 - Driving or Bicycling Under Influence
 02 - Impeding Traffic
 03 - Unsafe Speed
 04 - Following Too Closely
 05 - Wrong Side of Road
 06 - Improper Passing
 07 - Unsafe Lane Change
 08 - Improper Turning
 09 - Automobile ROW
 10 - Pedestrian ROW
 11 - Pedestrian Violation
 12 - Traffic Signals and Signs
 13 - Hazardous Parking
 14 - Lights
 15 - Brakes
 16 - Other Equipment
 17 - Other Hazardous Violation
 18 - Other Than Driver (or Ped)
 19 -
 20 -
 21 - Unsafe Starting or Backing
 22 - Other Improper Driving
 23 - Pedestrian or "Other" Under the Influence
 24 - Fell Asleep
 00 - Unknown
 -- Not Stated</p> | <p>Hit and Run
 F - Felony
 M - Misdemeanor
 N - Not Hit & Run</p> | <p>Type of Collision
 A - Head-On
 B - Sideswipe
 C - Rear-End
 D - Broadside
 E - Hit Object
 F - Overturned
 G - Vehicle/Pedestrian
 H - Other
 -- Not Stated</p> | <p>Road Surface
 A - Dry
 B - Wet
 C - Snowy or Icy
 D - Slippery
 -- Not Stated</p> |
|---|--|--|--|---|--|---|

Motor Vehicle Involved With:

- A - Non-Collision
- B - Pedestrian
- C - Other Motor Vehicle
- D - Motor Vehicle on Other Roadway
- E - Parked Motor Vehicle
- F - Train
- G - Bicycle
- H - Animal
- I - Fixed Object
- J - Other Object
- Not Stated

Attachment: Traffic Study (1766 : Review of Traffic Conditions on Wilkes Place and Grissom Road)

Origin-Destination Study Data

Prepared by National Data and Surveying Services
Origin and Destination Study

Day: Wednesday

City: Laguna Hills

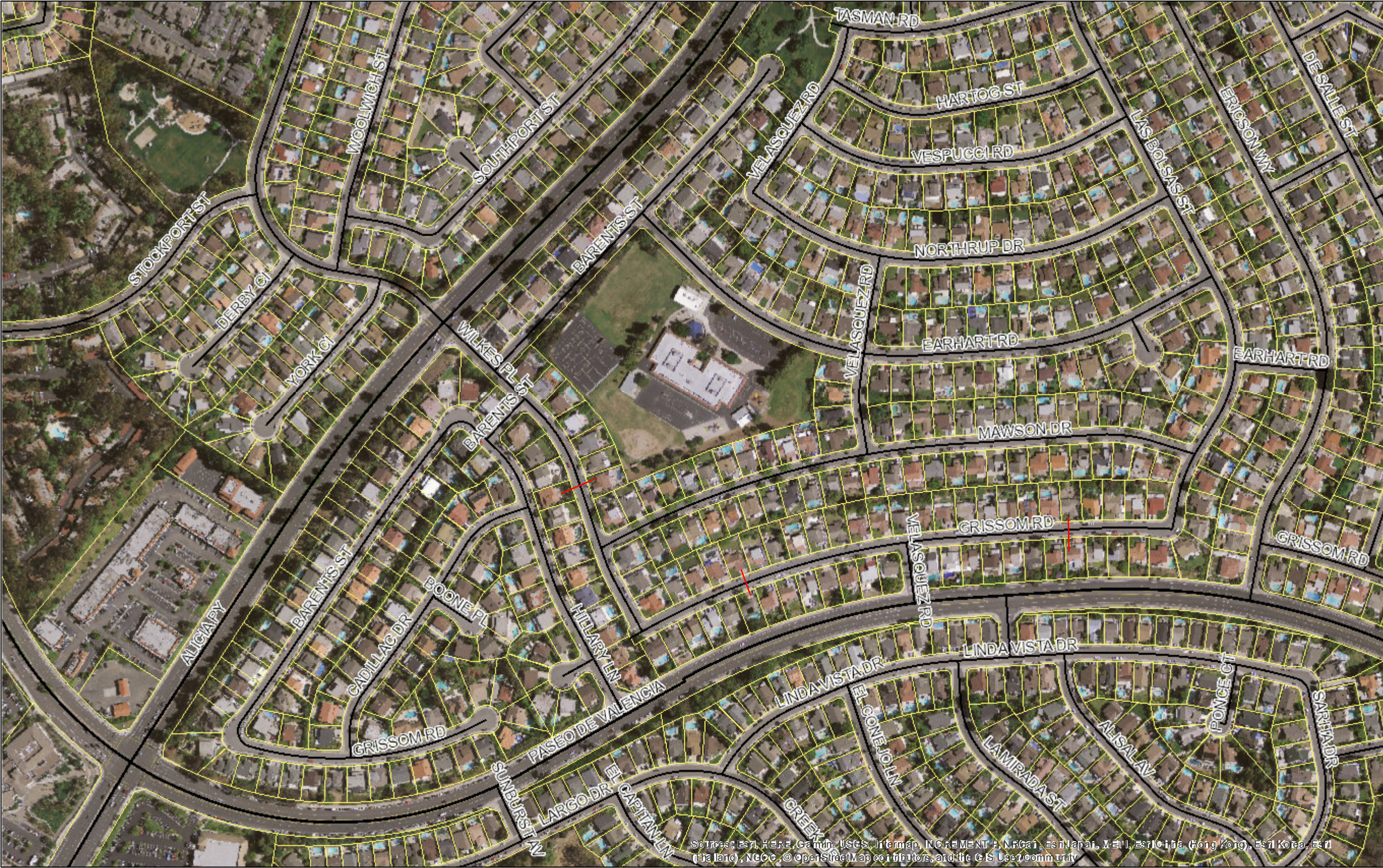
Date: 12/12/2018

Project: 18-1263

Path	7:00:00 AM	7:05:00 AM	7:45:00 AM	7:50:00 AM	8:05:00 AM	8:10:00 AM	8:15:00 AM	8:50:00 AM	8:55:00 AM	Total
2 to 1	1	1	1		3		1			7
1 to 2				2	1	2	1	1	1	8
Grand Total	1	1	1	2	4	2	2	1	1	15

Location ID	Street
1	Wilkes Place S/O Alicia Pkwy
2	Velasquez Road N/O Paseo de Valencia

*All times correspond to vehicle origin time



Source: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCA, Esri Japan, Swis, Esri China (Hong Kong), Esri Korea, Esri (the land), NECC, © OpenStreetMap contributors, and the GIS User community



NORTH

0 0.02750.055 0.11 mi

VICINITY MAP - WILKES PLACE & GRISSOM ROAD





City of Laguna Hills

Traffic Commission

Staff Report

DATE: January 17, 2024
TO: Traffic Commissioners
FROM: Joe Ames
 Public Works Director/City Engineer
ISSUE: Review of Traffic Conditions on Wilkes Place and Grissom Road

RECOMMENDATION: That the Traffic Commission recommend that the City Engineer add Grissom Road to the portable radar speed-feedback trailer rotational deployment list and conduct another speed survey in 90 days, and that Police Services conduct increased law (speed) enforcement on Grissom Road.

SUMMARY:

Staff was recently contacted by a resident regarding concerns of vehicular speeding on Wilkes Place south of Alicia Parkway and Grissom Road east of Wilkes Place. Please see the attached Vicinity Map. Based upon the resident's concern and in accordance with the Residential Streets Management Policy, staff initiated a review of the vehicular speeds in the requested area. The data collected showed a few vehicles traveling well above 25 MPH and an increase in average speed in comparison to a previous study done in 2019 specifically along Grissom Road between Wilkes Place and Velasquez Road.

Assistant Engineer Samatha Vu performed extensive research and wrote this report.

BACKGROUND:

Staff was previously contacted in 2019 by a resident regarding concerns of vehicular speeding, cut-through traffic and traffic collisions on Wilkes Place south of Alicia Parkway and Grissom Road east of Wilkes Place. Based upon the resident's concern and in accordance with the Residential Streets Management Policy, staff initiated a review of the requested area.

Review of Traffic Conditions on Wilkes Place and Grissom Road

January 17, 2024

Page 2

The Traffic Engineers of Hartzog & Crabill, Inc., (HCI) completed the attached January 9, 2019, study of the traffic attributes of Wilkes Place and Grissom Road. The speed survey counts, performed by HCI, as shown in the study, determined the 85th percentile speeds on Wilkes Place as 30 MPH south of Alicia Parkway and on Grissom Road as 28.4 MPH east of Wilkes Place, respectively. Staff's experience has found the typical prevailing speed range for such streets to be between 32 and 34 MPH, without traffic safety concerns. The 85th percentile speeds were below this range and the 24-hour volumes were low for a typical residential street. Therefore, no action was needed at the time. More information can be seen in the attached Traffic Commission Agenda Item 4.1, dated January 19, 2019.

Staff was contacted recently by a resident regarding concerns of vehicular speeding along Wilkes Place and Grissom Road. Staff initiated a new speed survey for a total of 4 days in three locations to evaluate any changes since the previous report in 2019. Please see the attached Speed Survey Location Map. Counts Unlimited collected and reported the attached 24-hour speed survey on Wilkes Place and Grissom Road, between December 8 and December 11, 2023. The average of all 4 days in comparison to the speed survey done in 2019 are in Table 1 below.

Table 1: Speed Survey Summary

Speed Summary	Along Wilkes Place Segment		Along Grissom Road Segment		
	2019	2023	2019	2023 (Between Wilkes and Velasquez)	2023 (Between Velasquez and Las Bolsas)
Posted Speed Limit	25 MPH	25 MPH	25 MPH	25 MPH	25 MPH
85 th Percentile Speed	30 MPH	28.5 MPH	28.4 MPH	31.25 MPH	27.75 MPH
Average Speed	25 MPH	24 MPH	25.2 MPH	25.5 MPH	22 MPH
10 MPH Pace Range	21-30 MPH	21-30 MPH	20-29 MPH	21-30 MPH	16-25 MPH
Percent of Vehicles in Pace	74.1%	73%	87.3%	58.7%	59.1%

The speed survey counts determined the 85th percentile speeds on Wilkes Place as 27.75 MPH south of Alicia Parkway and on Grissom Road as 31.25 MPH between Wilkes Place and Velasquez Road, and 27.75 MPH between Velasquez Road and Las Bolsas. Staff's experience has found the typical prevailing speed range for such streets to be between 32 and 34 MPH, without traffic safety concerns. The 85th percentile speeds were below this range and the 24-hour volumes were low for a typical residential street. However, it was observed that approximately 46% of vehicles were driving 1-10 MPH above the speed limit and 6% of vehicles were driving 11-25 MPH

Review of Traffic Conditions on Wilkes Place and Grissom Road

January 17, 2024

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above the speed limit along Grissom between Wilkes and Velasquez. The high-speed vehicles were distributed evenly throughout the day.

To address traffic safety concerns, the Residential Streets Traffic Management Policy outlines procedures and incremental solutions. Generally, actions to address speeding issues on residential streets will only be recommended if the prevailing speed is above 32 to 34 MPH, if unusual conditions exist on the roadway, or if there are documented speed-related traffic collisions. Although Grissom Road does not exceed 34 MPH on average, the unusual, spotty speeding poses a safety issue for residents. In this case, the policy recommends an incremental approach, which includes:

- Increased law enforcement
- Frequent deployment of portable radar speed-feedback trailers.
- The use of traffic control devices, regulatory signs and markings, warning signs, and striping
- Physical devices like bolt-down speed cushions

It should be noted that the implementation of physical devices has additional criteria to be considered during assessment. According to the Residential Streets Traffic Management Policy, the following minimum criteria must be met to consider the implementation of physical devices:

- a. At least 67% of the affected residents of the street and adjacent area streets support the implementation of the physical device. The streets to be used to evaluate the support for the physical device will be those that reasonably can be inferred to draw traffic to the street of concern.
- b. The prevailing speed of traffic has been documented to be greater than 34 mph for at least two radar speed surveys taken 90 days apart as part of the follow-up evaluation of all other traffic controls used to address the issue.
- c. At least 1,500 vehicles traverse the street in a 24-hour period.
- d. The location meets the approval of the Police and Fire Department related to adequate response time of safety vehicles.
- e. The grade of the street shall not exceed 6%.
- f. The street must have a length of at least 1,300 feet and be able to accommodate a minimum of three speed humps unless otherwise directed by the City Council.
- g. Other issues related to traffic engineering will be considered as deemed appropriate by the City Traffic Engineer.

Review of Traffic Conditions on Wilkes Place and Grissom Road

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Staff recommends that an incremental approach continue to be followed by adding Grissom Road to the portable radar speed-feedback trailer to the rotational deployment list, conducting another speed survey in 90 days, and requesting that Police Services conduct increased law (speed) enforcement on Grissom Road. It should be noted that Police Services (Orange County Sheriff's Department) has already been notified of the observed speeding on Grissom and motor deputies were deployed to the area for monitoring. If no change is observed using the incremental approach and the minimum criteria in the Residential Streets Traffic Management Policy are met, staff will research the implementation of physical devices including cost, and present it to the Traffic Commission at a future meeting.

FISCAL IMPACT:

There is no fiscal impact due to the results of the speed survey.

ATTACHMENTS:

- Wilkes Place and Grissom Road Vicinity Map
- Hartzog & Crabill, Inc. January 9, 2019, Letter of Opinion
- Traffic Commission Agenda Item 4.1, January 16, 2019
- Speed Survey Location Map
- Counts Unlimited Speed Survey December 8, 2023 through December 12, 2023

Counts Unlimited, Inc.

City of Laguna Hills
 Wilkes Place
 B/ Barentis Street - Mawson Drive
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS001
 Site Code: 241-231173

Northbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/08/23	0	1	2	1	0	0	0	0	0	0	0	0	0	0	4
01:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
05:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
06:00	1	1	1	0	0	0	0	0	0	0	0	0	0	0	3
07:00	4	4	10	3	0	0	0	0	0	0	0	0	0	0	21
08:00	0	9	25	4	1	0	0	0	0	0	0	0	0	0	39
09:00	3	1	5	2	1	0	0	0	0	0	0	0	0	0	12
10:00	0	3	5	3	3	0	0	0	0	0	0	0	0	0	14
11:00	1	2	13	6	0	0	0	0	0	0	0	0	0	0	22
12 PM	1	5	6	10	1	1	0	0	0	0	0	0	0	0	24
13:00	0	1	10	7	2	1	0	0	0	0	0	0	0	0	21
14:00	0	4	13	25	3	0	0	0	0	0	0	0	0	0	45
15:00	0	2	8	11	3	0	0	0	0	0	0	0	0	0	24
16:00	1	1	5	11	1	1	0	0	0	0	0	0	0	0	20
17:00	0	1	10	6	3	0	0	0	0	0	0	0	0	0	20
18:00	0	2	8	10	1	0	0	0	0	0	0	0	0	0	21
19:00	1	1	9	5	1	0	0	0	0	0	0	0	0	0	17
20:00	0	2	6	8	0	0	0	0	0	0	0	0	0	0	16
21:00	0	1	2	6	0	0	0	0	0	0	0	0	0	0	9
22:00	0	0	4	7	1	0	0	0	0	0	0	0	0	0	12
23:00	1	2	0	1	0	0	0	0	0	0	0	0	0	0	4
Total	13	43	144	127	22	3	0	0	0	0	0	0	0	0	352

Daily
 15th Percentile : 19 MPH
 50th Percentile : 24 MPH
 85th Percentile : 28 MPH
 95th Percentile : 31 MPH

Statistics
 Mean Speed(Average) : 24 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 271
 Percent in Pace : 77.0%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Wilkes Place
 B/ Barentis Street - Mawson Drive
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS001
 Site Code: 241-231173

Northbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/09/23	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
01:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
02:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2
05:00	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2
06:00	0	2	2	0	0	0	0	0	0	0	0	0	0	0	4
07:00	0	2	2	0	0	0	0	0	0	0	0	0	0	0	4
08:00	0	1	3	3	0	0	0	0	0	0	0	0	0	0	7
09:00	1	1	3	4	1	0	0	0	0	0	0	0	0	0	10
10:00	1	2	3	4	3	0	0	0	0	0	0	0	0	0	13
11:00	0	1	4	10	1	0	0	0	0	0	0	0	0	0	16
12 PM	0	1	6	9	2	0	0	0	0	0	0	0	0	0	18
13:00	0	3	3	4	4	0	0	0	0	0	0	0	0	0	14
14:00	0	0	5	3	2	0	0	0	0	0	0	0	0	0	10
15:00	0	3	8	4	0	0	0	0	0	0	0	0	0	0	15
16:00	2	3	4	5	1	1	0	0	0	0	0	0	0	0	16
17:00	1	9	10	4	0	0	0	0	0	0	0	0	0	0	24
18:00	0	3	7	8	1	0	0	0	0	0	0	0	0	0	19
19:00	4	4	5	4	1	0	0	0	0	0	0	0	0	0	18
20:00	0	3	6	5	1	0	0	0	0	0	0	0	0	0	15
21:00	0	0	4	4	0	0	0	0	0	0	0	0	0	0	8
22:00	0	1	4	3	0	0	0	0	0	0	0	0	0	0	8
23:00	0	3	3	3	0	0	0	0	0	0	0	0	0	0	9
Total	10	43	85	80	18	1	0	0	0	0	0	0	0	0	237

Daily
 15th Percentile : 17 MPH
 50th Percentile : 23 MPH
 85th Percentile : 28 MPH
 95th Percentile : 31 MPH

Statistics
 Mean Speed(Average) : 24 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 165
 Percent in Pace : 69.6%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Wilkes Place
 B/ Barentis Street - Mawson Drive
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS001
 Site Code: 241-231173

Northbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/10/23	0	0	2	3	0	0	0	0	0	0	0	0	0	0	5
01:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
06:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
07:00	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
08:00	1	1	1	1	2	0	0	0	0	0	0	0	0	0	6
09:00	0	3	5	3	0	0	0	0	0	0	0	0	0	0	11
10:00	0	2	2	3	2	0	0	0	0	0	0	0	0	0	9
11:00	0	0	5	2	0	0	0	0	0	0	0	0	0	0	7
12 PM	1	1	9	3	1	0	0	0	0	0	0	0	0	0	15
13:00	1	1	3	10	2	0	0	0	0	0	0	0	0	0	17
14:00	1	4	6	7	2	0	0	0	0	0	0	0	0	0	20
15:00	2	0	7	6	0	0	0	0	0	0	0	0	0	0	15
16:00	0	0	5	4	1	0	0	0	0	0	0	0	0	0	10
17:00	0	0	9	5	1	0	0	0	0	0	0	0	0	0	15
18:00	1	1	7	3	0	0	0	0	0	0	0	0	0	0	12
19:00	1	1	3	5	1	0	0	0	0	0	0	0	0	0	11
20:00	0	0	1	7	1	0	0	0	0	0	0	0	0	0	9
21:00	1	1	5	1	0	0	0	0	0	0	0	0	0	0	8
22:00	1	0	0	2	1	0	0	0	0	0	0	0	0	0	4
23:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
Total	10	18	75	66	14	0	0	0	0	0	0	0	0	0	183

Daily
 15th Percentile : 19 MPH
 50th Percentile : 24 MPH
 85th Percentile : 28 MPH
 95th Percentile : 31 MPH

Statistics
 Mean Speed(Average) : 24 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 141
 Percent in Pace : 77.0%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Wilkes Place
 B/ Barentis Street - Mawson Drive
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS001
 Site Code: 241-231173

Northbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/11/23	0	0	4	0	0	0	0	0	0	0	0	0	0	0	4
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
05:00	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
06:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
07:00	1	4	11	6	1	0	0	0	0	0	0	0	0	0	23
08:00	3	4	21	9	2	0	0	0	0	0	0	0	0	0	39
09:00	2	4	6	3	1	0	0	0	0	0	0	0	0	0	16
10:00	1	4	5	6	0	0	0	0	0	0	0	0	0	0	16
11:00	1	2	7	8	2	0	0	0	0	0	0	0	0	0	20
12 PM	2	1	6	4	0	0	0	0	0	0	0	0	0	0	13
13:00	0	2	7	9	1	0	0	0	0	0	0	0	0	0	19
14:00	0	8	19	19	3	0	0	0	0	0	0	0	0	0	49
15:00	0	2	11	3	0	0	0	0	0	0	0	0	0	0	16
16:00	0	2	7	9	2	1	0	0	0	0	0	0	0	0	21
17:00	3	4	9	7	0	0	0	0	0	0	0	0	0	0	23
18:00	0	4	9	7	2	0	0	0	0	0	0	0	0	0	22
19:00	0	2	8	4	0	0	0	0	0	0	0	0	0	0	14
20:00	1	1	4	6	0	0	0	0	0	0	0	0	0	0	12
21:00	0	0	5	2	0	0	0	0	0	0	0	0	0	0	7
22:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
23:00	0	1	0	2	0	0	0	0	0	0	0	0	0	0	3
Total	14	47	143	104	14	1	0	0	0	0	0	0	0	0	323

Daily
 15th Percentile : 18 MPH
 50th Percentile : 23 MPH
 85th Percentile : 28 MPH
 95th Percentile : 29 MPH

Statistics
 Mean Speed(Average) : 24 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 247
 Percent in Pace : 76.5%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Wilkes Place
 B/ Barentis Street - Mawson Drive
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS001
 Site Code: 241-231173

Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/08/23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	2	1	0	0	0	0	0	0	0	0	0	0	0	3
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
05:00	0	1	2	2	1	0	0	0	0	0	0	0	0	0	6
06:00	2	1	3	2	2	0	1	0	0	0	0	0	0	0	11
07:00	3	4	7	9	3	0	0	0	0	0	0	0	0	0	26
08:00	6	24	52	29	4	0	0	0	0	0	0	0	0	0	115
09:00	1	3	9	12	3	0	0	0	0	0	0	0	0	0	28
10:00	0	2	5	3	4	0	1	0	0	0	0	0	0	0	15
11:00	0	3	8	10	4	0	0	0	0	0	0	0	0	0	25
12 PM	0	2	19	12	2	1	0	0	0	0	0	0	0	0	36
13:00	0	3	6	9	0	0	0	0	0	0	0	0	0	0	18
14:00	0	3	48	34	2	0	0	0	0	0	0	0	0	0	87
15:00	1	1	10	5	3	0	0	0	0	0	0	0	0	0	20
16:00	1	7	8	11	0	0	0	0	0	0	0	0	0	0	27
17:00	2	3	10	7	2	0	0	0	0	0	0	0	0	0	24
18:00	1	3	4	7	2	0	0	0	0	0	0	0	0	0	17
19:00	0	3	4	4	1	0	0	0	0	0	0	0	0	0	12
20:00	0	4	6	3	0	0	0	0	0	0	0	0	0	0	13
21:00	1	0	2	0	0	0	0	0	0	0	0	0	0	0	3
22:00	0	3	0	2	0	0	0	0	0	0	0	0	0	0	5
23:00	0	1	0	2	0	0	0	0	0	0	0	0	0	0	3
Total	18	74	204	164	33	1	2	0	0	0	0	0	0	0	496

Daily
 15th Percentile : 18 MPH
 50th Percentile : 23 MPH
 85th Percentile : 28 MPH
 95th Percentile : 31 MPH

Statistics
 Mean Speed(Average) : 24 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 368
 Percent in Pace : 74.2%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Wilkes Place
 B/ Barentis Street - Mawson Drive
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS001
 Site Code: 241-231173

Southbound

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
12/09/23	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	2	1	0	0	0	0	0	0	0	0	0	3
05:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
06:00	0	0	0	2	1	0	0	0	0	0	0	0	0	0	3
07:00	2	2	2	1	1	0	1	0	0	0	0	0	0	0	9
08:00	2	3	5	7	2	0	0	0	0	0	0	0	0	0	19
09:00	0	3	6	5	2	0	0	0	0	0	0	0	0	0	16
10:00	1	0	1	9	1	1	1	0	0	0	0	0	0	0	14
11:00	0	0	7	5	3	0	0	0	0	0	0	0	0	0	15
12 PM	1	1	4	7	4	0	0	0	0	0	0	0	0	0	17
13:00	0	3	4	10	2	0	0	0	0	0	0	0	0	0	19
14:00	2	2	4	6	2	1	0	0	0	0	0	0	0	0	17
15:00	2	2	2	3	2	0	0	0	0	0	0	0	0	0	11
16:00	2	2	7	7	0	0	0	0	0	0	0	0	0	0	18
17:00	2	7	6	10	1	0	0	0	0	0	0	0	0	0	26
18:00	0	3	6	6	2	0	0	0	0	0	0	0	0	0	17
19:00	2	2	3	1	1	0	0	0	0	0	0	0	0	0	9
20:00	1	2	2	4	0	0	0	0	0	0	0	0	0	0	9
21:00	0	0	1	2	0	0	0	0	0	0	0	0	0	0	3
22:00	0	1	2	0	3	0	0	0	0	0	0	0	0	0	6
23:00	0	0	1	2	1	0	0	0	0	0	0	0	0	0	4
Total	17	33	64	91	29	3	2	0	0	0	0	0	0	0	239

Daily
 15th Percentile : 17 MPH
 50th Percentile : 25 MPH
 85th Percentile : 29 MPH
 95th Percentile : 33 MPH

Statistics
 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 155
 Percent in Pace : 64.9%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Wilkes Place
 B/ Barentis Street - Mawson Drive
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS001
 Site Code: 241-231173

Southbound

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
12/10/23	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	2	1	1	1	0	0	0	0	0	0	0	0	0	5
06:00	0	1	0	2	0	0	0	0	0	0	0	0	0	0	3
07:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
08:00	1	0	4	2	1	0	0	0	0	0	0	0	0	0	8
09:00	1	1	2	4	0	0	0	0	0	0	0	0	0	0	8
10:00	0	3	4	6	4	0	0	0	0	0	0	0	0	0	17
11:00	0	2	5	6	0	0	0	0	0	0	0	0	0	0	13
12 PM	2	1	4	5	2	0	0	0	0	0	0	0	0	0	14
13:00	0	4	3	7	3	0	0	0	0	0	0	0	0	0	17
14:00	0	2	10	5	1	0	0	0	0	0	0	0	0	0	18
15:00	0	1	5	5	3	0	0	0	0	0	0	0	0	0	14
16:00	0	1	3	3	0	1	0	0	0	0	0	0	0	0	8
17:00	1	2	3	3	1	0	0	0	0	0	0	0	0	0	10
18:00	2	1	7	6	0	0	0	0	0	0	0	0	0	0	16
19:00	1	1	1	2	0	0	0	0	0	0	0	0	0	0	5
20:00	2	1	1	4	1	0	0	0	0	0	0	0	0	0	9
21:00	1	1	2	1	0	0	0	0	0	0	0	0	0	0	5
22:00	0	0	3	1	1	0	0	0	0	0	0	0	0	0	5
23:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
Total	11	24	62	65	19	1	0	0	0	0	0	0	0	0	182

Daily
 15th Percentile : 18 MPH
 50th Percentile : 24 MPH
 85th Percentile : 29 MPH
 95th Percentile : 32 MPH

Statistics
 Mean Speed(Average) : 24 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 127
 Percent in Pace : 69.8%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Wilkes Place
 B/ Barentis Street - Mawson Drive
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS001
 Site Code: 241-231173

Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/11/23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
04:00	0	2	0	3	0	0	0	0	0	0	0	0	0	0	5
05:00	0	0	1	0	2	1	0	0	0	0	0	0	0	0	4
06:00	0	3	2	5	2	0	0	0	0	0	0	0	0	0	12
07:00	1	1	14	15	2	0	0	0	0	0	0	0	0	0	33
08:00	5	14	64	44	4	1	0	0	0	0	0	0	0	0	132
09:00	1	3	6	4	2	0	0	0	0	0	0	0	0	0	16
10:00	1	2	4	6	4	0	0	0	0	0	0	0	0	0	17
11:00	1	2	6	10	3	0	0	0	0	0	0	0	0	0	22
12 PM	0	0	5	11	3	0	0	0	0	0	0	0	0	0	19
13:00	1	1	3	2	2	0	0	0	0	0	0	0	0	0	9
14:00	1	11	35	33	5	1	0	0	0	0	0	0	0	0	86
15:00	2	2	10	7	2	2	0	0	0	0	0	0	0	0	25
16:00	1	2	7	4	1	0	0	0	0	0	0	0	0	0	15
17:00	2	4	13	2	1	0	0	0	0	0	0	0	0	0	22
18:00	0	1	5	3	2	0	0	0	0	0	0	0	0	0	11
19:00	1	1	4	2	2	0	0	0	0	0	0	0	0	0	10
20:00	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3
21:00	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3
22:00	0	0	2	2	0	0	0	0	0	0	0	0	0	0	4
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	17	50	185	155	37	5	0	0	0	0	0	0	0	0	449

Daily
 15th Percentile : 20 MPH
 50th Percentile : 24 MPH
 85th Percentile : 29 MPH
 95th Percentile : 32 MPH

Statistics
 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 340
 Percent in Pace : 75.7%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

PO Box 1178
Corona, CA 92878

Phone: (951) 268-6268

email: counts@countsunlimited.com

City of Laguna Hills
Wilkes Place
B/ Barentis Street - Mawson Drive
4 Day Directional Speed Survey

LHS001
Site Code: 241-231173

Northbound, Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/08/23	0	1	2	1	0	0	0	0	0	0	0	0	0	0	4
01:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
02:00	0	2	1	0	0	0	0	0	0	0	0	0	0	0	3
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	1	1	2	0	0	0	0	0	0	0	0	0	0	4
05:00	0	1	3	2	1	0	0	0	0	0	0	0	0	0	7
06:00	3	2	4	2	2	0	1	0	0	0	0	0	0	0	14
07:00	7	8	17	12	3	0	0	0	0	0	0	0	0	0	47
08:00	6	33	77	33	5	0	0	0	0	0	0	0	0	0	154
09:00	4	4	14	14	4	0	0	0	0	0	0	0	0	0	40
10:00	0	5	10	6	7	0	1	0	0	0	0	0	0	0	29
11:00	1	5	21	16	4	0	0	0	0	0	0	0	0	0	47
12 PM	1	7	25	22	3	2	0	0	0	0	0	0	0	0	60
13:00	0	4	16	16	2	1	0	0	0	0	0	0	0	0	39
14:00	0	7	61	59	5	0	0	0	0	0	0	0	0	0	132
15:00	1	3	18	16	6	0	0	0	0	0	0	0	0	0	44
16:00	2	8	13	22	1	1	0	0	0	0	0	0	0	0	47
17:00	2	4	20	13	5	0	0	0	0	0	0	0	0	0	44
18:00	1	5	12	17	3	0	0	0	0	0	0	0	0	0	38
19:00	1	4	13	9	2	0	0	0	0	0	0	0	0	0	29
20:00	0	6	12	11	0	0	0	0	0	0	0	0	0	0	29
21:00	1	1	4	6	0	0	0	0	0	0	0	0	0	0	12
22:00	0	3	4	9	1	0	0	0	0	0	0	0	0	0	17
23:00	1	3	0	3	0	0	0	0	0	0	0	0	0	0	7
Total	31	117	348	291	55	4	2	0	0	0	0	0	0	0	848

Daily
 15th Percentile : 19 MPH
 50th Percentile : 23 MPH
 85th Percentile : 28 MPH
 95th Percentile : 31 MPH

Statistics
 Mean Speed(Average) : 24 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 639
 Percent in Pace : 75.4%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Wilkes Place
 B/ Barentis Street - Mawson Drive
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS001
 Site Code: 241-231173

Northbound, Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/09/23	0	0	1	2	0	1	0	0	0	0	0	0	0	0	4
01:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
02:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	1	0	1	2	1	0	0	0	0	0	0	0	0	0	5
05:00	0	1	1	1	1	0	0	0	0	0	0	0	0	0	4
06:00	0	2	2	2	1	0	0	0	0	0	0	0	0	0	7
07:00	2	4	4	1	1	0	1	0	0	0	0	0	0	0	13
08:00	2	4	8	10	2	0	0	0	0	0	0	0	0	0	26
09:00	1	4	9	9	3	0	0	0	0	0	0	0	0	0	26
10:00	2	2	4	13	4	1	1	0	0	0	0	0	0	0	27
11:00	0	1	11	15	4	0	0	0	0	0	0	0	0	0	31
12 PM	1	2	10	16	6	0	0	0	0	0	0	0	0	0	35
13:00	0	6	7	14	6	0	0	0	0	0	0	0	0	0	33
14:00	2	2	9	9	4	1	0	0	0	0	0	0	0	0	27
15:00	2	5	10	7	2	0	0	0	0	0	0	0	0	0	26
16:00	4	5	11	12	1	1	0	0	0	0	0	0	0	0	34
17:00	3	16	16	14	1	0	0	0	0	0	0	0	0	0	50
18:00	0	6	13	14	3	0	0	0	0	0	0	0	0	0	36
19:00	6	6	8	5	2	0	0	0	0	0	0	0	0	0	27
20:00	1	5	8	9	1	0	0	0	0	0	0	0	0	0	24
21:00	0	0	5	6	0	0	0	0	0	0	0	0	0	0	11
22:00	0	2	6	3	3	0	0	0	0	0	0	0	0	0	14
23:00	0	3	4	5	1	0	0	0	0	0	0	0	0	0	13
Total	27	76	149	171	47	4	2	0	0	0	0	0	0	0	476

Daily
 15th Percentile : 17 MPH
 50th Percentile : 24 MPH
 85th Percentile : 29 MPH
 95th Percentile : 33 MPH

Statistics
 Mean Speed(Average) : 24 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 320
 Percent in Pace : 67.2%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Wilkes Place
 B/ Barentis Street - Mawson Drive
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS001
 Site Code: 241-231173

Northbound, Southbound

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total
Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	
12/10/23	0	0	2	4	0	0	0	0	0	0	0	0	0	0	6
01:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
02:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	3	1	2	1	0	0	0	0	0	0	0	0	0	7
06:00	0	1	1	2	0	0	0	0	0	0	0	0	0	0	4
07:00	0	0	3	1	0	0	0	0	0	0	0	0	0	0	4
08:00	2	1	5	3	3	0	0	0	0	0	0	0	0	0	14
09:00	1	4	7	7	0	0	0	0	0	0	0	0	0	0	19
10:00	0	5	6	9	6	0	0	0	0	0	0	0	0	0	26
11:00	0	2	10	8	0	0	0	0	0	0	0	0	0	0	20
12 PM	3	2	13	8	3	0	0	0	0	0	0	0	0	0	29
13:00	1	5	6	17	5	0	0	0	0	0	0	0	0	0	34
14:00	1	6	16	12	3	0	0	0	0	0	0	0	0	0	38
15:00	2	1	12	11	3	0	0	0	0	0	0	0	0	0	29
16:00	0	1	8	7	1	1	0	0	0	0	0	0	0	0	18
17:00	1	2	12	8	2	0	0	0	0	0	0	0	0	0	25
18:00	3	2	14	9	0	0	0	0	0	0	0	0	0	0	28
19:00	2	2	4	7	1	0	0	0	0	0	0	0	0	0	16
20:00	2	1	2	11	2	0	0	0	0	0	0	0	0	0	18
21:00	2	2	7	2	0	0	0	0	0	0	0	0	0	0	13
22:00	1	0	3	3	2	0	0	0	0	0	0	0	0	0	9
23:00	0	1	1	0	1	0	0	0	0	0	0	0	0	0	3
Total	21	42	137	131	33	1	0	0	0	0	0	0	0	0	365

Daily
 15th Percentile : 19 MPH
 50th Percentile : 24 MPH
 85th Percentile : 29 MPH
 95th Percentile : 32 MPH

Statistics
 Mean Speed(Average) : 24 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 268
 Percent in Pace : 73.4%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Wilkes Place
 B/ Barentis Street - Mawson Drive
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS001
 Site Code: 241-231173

Northbound, Southbound

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total
Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	
12/11/23	0	0	4	0	0	0	0	0	0	0	0	0	0	0	4
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
04:00	0	2	1	3	0	0	0	0	0	0	0	0	0	0	6
05:00	0	0	3	0	2	1	0	0	0	0	0	0	0	0	6
06:00	0	4	3	5	2	0	0	0	0	0	0	0	0	0	14
07:00	2	5	25	21	3	0	0	0	0	0	0	0	0	0	56
08:00	8	18	85	53	6	1	0	0	0	0	0	0	0	0	171
09:00	3	7	12	7	3	0	0	0	0	0	0	0	0	0	32
10:00	2	6	9	12	4	0	0	0	0	0	0	0	0	0	33
11:00	2	4	13	18	5	0	0	0	0	0	0	0	0	0	42
12 PM	2	1	11	15	3	0	0	0	0	0	0	0	0	0	32
13:00	1	3	10	11	3	0	0	0	0	0	0	0	0	0	28
14:00	1	19	54	52	8	1	0	0	0	0	0	0	0	0	135
15:00	2	4	21	10	2	2	0	0	0	0	0	0	0	0	41
16:00	1	4	14	13	3	1	0	0	0	0	0	0	0	0	36
17:00	5	8	22	9	1	0	0	0	0	0	0	0	0	0	45
18:00	0	5	14	10	4	0	0	0	0	0	0	0	0	0	33
19:00	1	3	12	6	2	0	0	0	0	0	0	0	0	0	24
20:00	1	1	6	7	0	0	0	0	0	0	0	0	0	0	15
21:00	0	0	7	3	0	0	0	0	0	0	0	0	0	0	10
22:00	0	1	2	2	0	0	0	0	0	0	0	0	0	0	5
23:00	0	1	0	2	0	0	0	0	0	0	0	0	0	0	3
Total	31	97	328	259	51	6	0	0	0	0	0	0	0	0	772

Daily
 15th Percentile : 19 MPH
 50th Percentile : 23 MPH
 85th Percentile : 28 MPH
 95th Percentile : 31 MPH

Statistics
 Mean Speed(Average) : 24 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 587
 Percent in Pace : 76.0%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Wilkes Place - Velasquez Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS003
 Site Code: 241-231173

Eastbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/08/23	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
05:00	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
06:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
07:00	2	2	5	6	0	0	0	0	0	0	0	0	0	0	15
08:00	1	4	6	8	5	0	0	0	0	0	0	0	0	0	24
09:00	0	1	2	5	0	0	0	0	0	0	0	0	0	0	8
10:00	0	2	4	4	1	0	0	0	0	0	0	0	0	0	11
11:00	0	0	7	6	1	1	0	0	0	0	0	0	0	0	15
12 PM	1	0	5	5	5	0	0	0	0	0	0	0	0	0	16
13:00	0	1	2	2	2	0	0	0	0	0	0	0	0	0	7
14:00	0	1	12	10	2	0	0	0	0	0	0	0	0	0	25
15:00	1	1	4	5	5	0	0	0	0	0	0	0	0	0	16
16:00	1	3	0	3	1	0	0	0	0	0	0	0	0	0	8
17:00	1	3	3	5	0	0	0	0	0	0	0	0	0	0	12
18:00	1	2	1	3	1	0	0	0	0	0	0	0	0	0	8
19:00	0	1	0	2	0	3	0	0	0	0	0	0	0	0	6
20:00	2	3	2	3	0	0	0	0	0	0	0	0	0	0	10
21:00	2	0	2	1	1	0	0	0	0	0	0	0	0	0	6
22:00	0	0	3	3	0	0	0	0	0	0	0	0	0	0	6
23:00	2	1	2	0	0	0	0	0	0	0	0	0	0	0	5
Total	14	25	63	73	25	4	0	0	0	0	0	0	0	0	204

Daily
 15th Percentile : 18 MPH
 50th Percentile : 24 MPH
 85th Percentile : 29 MPH
 95th Percentile : 33 MPH

Statistics
 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 136
 Percent in Pace : 66.7%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Wilkes Place - Velasquez Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS003
 Site Code: 241-231173

Eastbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/09/23	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
05:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
06:00	1	0	0	2	0	0	0	0	0	0	0	0	0	0	3
07:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
08:00	0	1	2	2	1	0	0	0	0	0	0	0	0	0	6
09:00	1	1	2	2	0	0	0	1	0	0	0	0	0	0	7
10:00	0	1	2	5	1	0	0	0	0	0	0	0	0	0	9
11:00	1	2	5	2	3	1	0	0	0	0	0	0	0	0	14
12 PM	0	1	3	5	1	0	0	0	0	0	0	0	0	0	10
13:00	2	1	1	4	5	0	0	0	0	0	0	0	0	0	13
14:00	0	1	0	4	1	0	0	0	0	0	0	0	0	0	6
15:00	0	0	4	4	0	0	0	0	0	0	0	0	0	0	8
16:00	0	1	4	2	2	0	0	1	0	0	0	0	0	0	10
17:00	1	0	5	2	1	0	0	0	0	0	0	0	0	0	9
18:00	1	1	4	4	2	0	0	0	0	0	0	0	0	0	12
19:00	2	1	1	0	0	0	0	0	0	0	0	0	0	0	4
20:00	0	3	4	1	0	0	0	0	0	0	0	0	0	0	8
21:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
22:00	0	1	6	0	0	0	0	0	0	0	0	0	0	0	7
23:00	0	0	2	0	1	0	0	0	0	0	0	0	0	0	3
Total	9	17	47	39	21	1	0	2	0	0	0	0	0	0	136

Daily
 15th Percentile : 18 MPH
 50th Percentile : 24 MPH
 85th Percentile : 30 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 86
 Percent in Pace : 63.2%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Wilkes Place - Velasquez Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS003
 Site Code: 241-231173

Eastbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/10/23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
06:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
07:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
08:00	0	1	2	1	2	1	0	0	0	0	0	0	0	0	7
09:00	0	1	2	1	0	1	0	0	0	0	0	0	0	0	5
10:00	1	2	2	3	2	1	0	0	0	0	0	0	0	0	11
11:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2
12 PM	1	1	3	6	2	0	1	0	0	0	0	0	0	0	14
13:00	0	2	0	3	3	1	0	0	0	0	0	0	0	0	9
14:00	0	1	5	1	3	1	0	0	0	0	0	0	0	0	11
15:00	1	0	4	1	2	0	0	0	0	0	0	0	0	0	8
16:00	0	1	2	2	0	0	0	0	0	0	0	0	0	0	5
17:00	2	1	3	3	0	0	0	0	0	0	0	0	0	0	9
18:00	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3
19:00	1	0	3	3	1	0	0	0	0	0	0	0	0	0	8
20:00	2	0	2	0	1	0	0	0	0	0	0	0	0	0	5
21:00	0	1	0	1	1	0	0	0	0	0	0	0	0	0	3
22:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
23:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	10	13	32	27	18	5	1	0	0	0	0	0	0	0	106

Daily
 15th Percentile : 17 MPH
 50th Percentile : 24 MPH
 85th Percentile : 32 MPH
 95th Percentile : 35 MPH

Statistics
 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 59
 Percent in Pace : 55.7%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Wilkes Place - Velasquez Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS003
 Site Code: 241-231173

Eastbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/11/23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	1	1	1	0	0	0	0	0	0	0	0	0	3
06:00	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3
07:00	1	2	3	2	2	0	0	0	0	0	0	0	0	0	10
08:00	1	5	8	10	3	0	0	0	0	0	0	0	0	0	27
09:00	0	2	2	0	1	0	0	0	0	0	0	0	0	0	5
10:00	1	1	5	6	0	0	0	0	0	0	0	0	0	0	13
11:00	1	2	5	2	1	0	0	0	0	0	0	0	0	0	11
12 PM	3	2	3	5	2	0	0	0	0	0	0	0	0	0	15
13:00	0	3	2	2	1	0	0	0	0	0	0	0	0	0	8
14:00	1	3	2	11	0	0	0	0	0	0	0	0	0	0	17
15:00	0	1	8	6	1	0	0	0	0	0	0	0	0	0	16
16:00	1	1	6	2	0	0	0	0	0	0	0	0	0	0	10
17:00	3	3	3	2	2	0	0	0	0	0	0	0	0	0	13
18:00	3	4	4	3	0	0	0	0	0	0	0	0	0	0	14
19:00	0	1	3	2	0	0	0	0	0	0	0	0	0	0	6
20:00	0	1	2	2	0	0	0	0	0	0	0	0	0	0	5
21:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	1	1	0	1	0	0	0	0	0	0	0	0	0	3
Total	15	33	61	57	15	0	0	0	0	0	0	0	0	0	181

Daily
 15th Percentile : 16 MPH
 50th Percentile : 23 MPH
 85th Percentile : 28 MPH
 95th Percentile : 31 MPH

Statistics
 Mean Speed(Average) : 23 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 118
 Percent in Pace : 65.2%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Wilkes Place - Velasquez Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS003
 Site Code: 241-231173

Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/08/23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
06:00	0	0	2	1	1	0	1	0	0	0	0	0	0	0	5
07:00	0	0	2	1	3	3	0	0	0	0	0	0	0	0	9
08:00	0	2	3	4	8	2	1	1	0	0	0	0	0	0	21
09:00	0	0	1	3	2	1	1	0	0	0	0	0	0	0	8
10:00	1	1	2	2	2	1	0	0	0	0	0	0	0	0	9
11:00	0	1	2	2	1	3	0	1	0	0	0	0	0	0	10
12 PM	1	1	2	4	3	1	0	0	0	0	0	0	0	0	12
13:00	1	1	4	2	2	0	0	0	0	0	0	0	0	0	10
14:00	0	2	3	7	3	0	2	0	0	0	0	0	0	0	17
15:00	0	0	1	5	3	1	0	0	0	0	0	0	0	0	10
16:00	0	1	9	4	1	1	0	0	0	0	0	0	0	0	16
17:00	0	2	4	6	3	0	0	0	0	0	0	0	0	0	15
18:00	0	2	1	3	3	0	1	0	0	0	0	0	0	0	10
19:00	1	1	1	2	0	1	1	1	0	0	0	0	0	0	8
20:00	1	3	2	4	2	0	0	0	0	0	0	0	0	0	12
21:00	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3
22:00	0	0	1	4	0	0	0	0	0	0	0	0	0	0	5
23:00	0	0	1	0	2	0	0	0	0	0	0	0	0	0	3
Total	5	17	44	55	40	14	7	3	0	0	0	0	0	0	185

Daily
 15th Percentile : 20 MPH
 50th Percentile : 27 MPH
 85th Percentile : 34 MPH
 95th Percentile : 40 MPH

Statistics
 Mean Speed(Average) : 28 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 99
 Percent in Pace : 53.5%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Wilkes Place - Velasquez Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS003
 Site Code: 241-231173

Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/09/23	0	0	0	1	1	0	0	1	0	0	0	0	0	0	3
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
05:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
06:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
07:00	1	0	1	1	0	0	0	1	0	0	0	0	0	0	4
08:00	0	1	2	3	2	1	0	0	0	0	0	0	0	0	9
09:00	1	1	0	3	1	0	0	0	0	0	0	0	0	0	6
10:00	0	0	2	4	1	0	1	0	0	0	0	0	0	0	8
11:00	0	0	3	2	2	1	0	1	0	0	0	0	0	0	9
12 PM	1	2	0	5	1	0	1	0	0	0	0	0	0	0	10
13:00	1	1	4	4	1	2	0	0	0	0	0	0	0	0	13
14:00	0	0	1	4	2	1	0	0	0	0	0	0	0	0	8
15:00	0	2	2	3	2	0	0	1	0	0	0	0	0	0	10
16:00	0	3	2	3	1	2	0	1	0	0	0	0	0	0	12
17:00	1	2	3	1	0	0	0	0	0	0	0	0	0	0	7
18:00	2	1	4	1	2	0	0	0	0	0	0	0	0	0	10
19:00	0	2	2	4	0	0	0	0	0	0	0	0	0	0	8
20:00	0	1	4	3	0	0	0	0	0	0	0	0	0	0	8
21:00	0	3	2	1	0	1	0	0	0	0	0	0	0	0	7
22:00	0	1	1	3	0	1	0	0	0	0	0	0	0	0	6
23:00	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
Total	7	20	38	46	16	9	2	5	0	0	0	0	0	0	143

Daily
 15th Percentile : 18 MPH
 50th Percentile : 25 MPH
 85th Percentile : 33 MPH
 95th Percentile : 39 MPH

Statistics
 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 84
 Percent in Pace : 58.7%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Wilkes Place - Velasquez Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS003
 Site Code: 241-231173

Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/10/23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
06:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
07:00	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2
08:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
09:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
10:00	0	2	1	3	1	1	1	0	0	0	0	0	0	0	9
11:00	0	1	2	1	1	0	0	0	0	0	0	0	0	0	5
12 PM	0	1	1	2	5	1	1	0	0	0	0	0	0	0	11
13:00	0	2	0	3	0	3	0	0	0	0	0	0	0	0	8
14:00	0	7	2	4	1	0	0	0	0	0	0	0	0	0	14
15:00	0	2	3	1	2	0	0	0	0	0	0	0	0	0	8
16:00	0	0	1	1	4	0	0	0	0	0	0	0	0	0	6
17:00	1	2	4	2	0	0	0	0	0	0	0	0	0	0	9
18:00	1	2	1	4	1	0	0	0	0	0	0	0	0	0	9
19:00	3	2	1	1	2	0	0	0	0	0	0	0	0	0	9
20:00	2	1	1	2	0	0	0	0	0	0	0	0	0	0	6
21:00	0	1	1	2	0	0	0	0	0	0	0	0	0	0	4
22:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
23:00	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
Total	7	25	18	30	22	5	2	0	0	0	0	0	0	0	109

Daily
 15th Percentile : 16 MPH
 50th Percentile : 25 MPH
 85th Percentile : 32 MPH
 95th Percentile : 36 MPH

Statistics
 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 52
 Percent in Pace : 47.7%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Wilkes Place - Velasquez Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS003
 Site Code: 241-231173

Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/11/23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
05:00	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2
06:00	0	1	2	2	0	0	0	0	0	0	0	0	0	0	5
07:00	0	0	3	4	4	1	0	0	0	0	0	0	0	0	12
08:00	0	1	4	7	6	2	1	0	0	0	0	0	0	0	21
09:00	0	0	3	2	0	0	0	0	0	0	0	0	0	0	5
10:00	1	0	4	4	2	1	0	0	0	0	0	0	0	0	12
11:00	1	0	4	2	1	1	0	0	0	0	0	0	0	0	9
12 PM	2	1	4	4	3	2	0	0	0	0	0	0	0	0	16
13:00	1	1	5	5	1	1	0	0	0	0	0	0	0	0	14
14:00	0	1	3	7	3	2	1	0	0	0	0	0	0	0	17
15:00	0	0	2	6	3	0	0	0	0	0	0	0	0	0	11
16:00	0	1	6	3	2	0	0	0	0	0	0	0	0	0	12
17:00	2	1	2	5	2	0	0	0	0	0	0	0	0	0	12
18:00	0	3	2	4	0	1	0	0	0	0	0	0	0	0	10
19:00	0	1	2	3	3	0	0	0	0	0	0	0	0	0	9
20:00	1	0	4	0	2	0	0	0	0	0	0	0	0	0	7
21:00	0	0	0	2	1	0	0	0	0	0	0	0	0	0	3
22:00	0	1	3	0	1	0	0	0	0	0	0	0	0	0	5
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	8	13	53	61	35	11	2	0	0	0	0	0	0	0	183

Daily
 15th Percentile : 20 MPH
 50th Percentile : 26 MPH
 85th Percentile : 32 MPH
 95th Percentile : 36 MPH

Statistics
 Mean Speed(Average) : 27 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 114
 Percent in Pace : 62.3%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Wilkes Place - Velasquez Road
 4 Day Directional Speed Survey
 Eastbound, Westbound

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS003
 Site Code: 241-231173

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total
Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	
12/08/23	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
05:00	0	0	3	0	1	0	0	0	0	0	0	0	0	0	4
06:00	0	0	2	2	1	0	1	0	0	0	0	0	0	0	6
07:00	2	2	7	7	3	3	0	0	0	0	0	0	0	0	24
08:00	1	6	9	12	13	2	1	1	0	0	0	0	0	0	45
09:00	0	1	3	8	2	1	1	0	0	0	0	0	0	0	16
10:00	1	3	6	6	3	1	0	0	0	0	0	0	0	0	20
11:00	0	1	9	8	2	4	0	1	0	0	0	0	0	0	25
12 PM	2	1	7	9	8	1	0	0	0	0	0	0	0	0	28
13:00	1	2	6	4	4	0	0	0	0	0	0	0	0	0	17
14:00	0	3	15	17	5	0	2	0	0	0	0	0	0	0	42
15:00	1	1	5	10	8	1	0	0	0	0	0	0	0	0	26
16:00	1	4	9	7	2	1	0	0	0	0	0	0	0	0	24
17:00	1	5	7	11	3	0	0	0	0	0	0	0	0	0	27
18:00	1	4	2	6	4	0	1	0	0	0	0	0	0	0	18
19:00	1	2	1	4	0	4	1	1	0	0	0	0	0	0	14
20:00	3	6	4	7	2	0	0	0	0	0	0	0	0	0	22
21:00	2	0	4	2	1	0	0	0	0	0	0	0	0	0	9
22:00	0	0	4	7	0	0	0	0	0	0	0	0	0	0	11
23:00	2	1	3	0	2	0	0	0	0	0	0	0	0	0	8
Total	19	42	107	128	65	18	7	3	0	0	0	0	0	0	389

Daily
 15th Percentile : 19 MPH
 50th Percentile : 26 MPH
 85th Percentile : 32 MPH
 95th Percentile : 37 MPH

Statistics
 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 235
 Percent in Pace : 60.4%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Wilkes Place - Velasquez Road
 4 Day Directional Speed Survey
 Eastbound, Westbound

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS003
 Site Code: 241-231173

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total
Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	
12/09/23	0	0	1	1	2	0	0	1	0	0	0	0	0	0	5
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
05:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
06:00	1	0	1	2	0	0	0	0	0	0	0	0	0	0	4
07:00	1	1	2	1	0	0	0	1	0	0	0	0	0	0	6
08:00	0	2	4	5	3	1	0	0	0	0	0	0	0	0	15
09:00	2	2	2	5	1	0	0	1	0	0	0	0	0	0	13
10:00	0	1	4	9	2	0	1	0	0	0	0	0	0	0	17
11:00	1	2	8	4	5	2	0	1	0	0	0	0	0	0	23
12 PM	1	3	3	10	2	0	1	0	0	0	0	0	0	0	20
13:00	3	2	5	8	6	2	0	0	0	0	0	0	0	0	26
14:00	0	1	1	8	3	1	0	0	0	0	0	0	0	0	14
15:00	0	2	6	7	2	0	0	1	0	0	0	0	0	0	18
16:00	0	4	6	5	3	2	0	2	0	0	0	0	0	0	22
17:00	2	2	8	3	1	0	0	0	0	0	0	0	0	0	16
18:00	3	2	8	5	4	0	0	0	0	0	0	0	0	0	22
19:00	2	3	3	4	0	0	0	0	0	0	0	0	0	0	12
20:00	0	4	8	4	0	0	0	0	0	0	0	0	0	0	16
21:00	0	3	2	1	1	1	0	0	0	0	0	0	0	0	8
22:00	0	2	7	3	0	1	0	0	0	0	0	0	0	0	13
23:00	0	0	4	0	1	0	0	0	0	0	0	0	0	0	5
Total	16	37	85	85	37	10	2	7	0	0	0	0	0	0	279

Daily
 15th Percentile : 18 MPH
 50th Percentile : 25 MPH
 85th Percentile : 31 MPH
 95th Percentile : 37 MPH

Statistics
 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 170
 Percent in Pace : 60.9%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Wilkes Place - Velasquez Road
 4 Day Directional Speed Survey
 Eastbound, Westbound

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS003
 Site Code: 241-231173

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/10/23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
06:00	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
07:00	0	1	1	1	1	0	0	0	0	0	0	0	0	0	4
08:00	0	1	2	1	3	1	0	0	0	0	0	0	0	0	8
09:00	0	1	2	2	1	1	0	0	0	0	0	0	0	0	7
10:00	1	4	3	6	3	2	1	0	0	0	0	0	0	0	20
11:00	1	1	3	1	1	0	0	0	0	0	0	0	0	0	7
12 PM	1	2	4	8	7	1	2	0	0	0	0	0	0	0	25
13:00	0	4	0	6	3	4	0	0	0	0	0	0	0	0	17
14:00	0	8	7	5	4	1	0	0	0	0	0	0	0	0	25
15:00	1	2	7	2	4	0	0	0	0	0	0	0	0	0	16
16:00	0	1	3	3	4	0	0	0	0	0	0	0	0	0	11
17:00	3	3	7	5	0	0	0	0	0	0	0	0	0	0	18
18:00	1	2	3	5	1	0	0	0	0	0	0	0	0	0	12
19:00	4	2	4	4	3	0	0	0	0	0	0	0	0	0	17
20:00	4	1	3	2	1	0	0	0	0	0	0	0	0	0	11
21:00	0	2	1	3	1	0	0	0	0	0	0	0	0	0	7
22:00	1	0	0	1	1	0	0	0	0	0	0	0	0	0	3
23:00	0	2	0	1	0	0	0	0	0	0	0	0	0	0	3
Total	17	38	50	57	40	10	3	0	0	0	0	0	0	0	215

Daily
 15th Percentile : 17 MPH
 50th Percentile : 25 MPH
 85th Percentile : 32 MPH
 95th Percentile : 36 MPH

Statistics
 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 107
 Percent in Pace : 49.8%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Wilkes Place - Velasquez Road
 4 Day Directional Speed Survey
 Eastbound, Westbound

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 email: counts@countsunlimited.com

LHS003
 Site Code: 241-231173

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total
Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	
12/11/23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
05:00	0	1	1	1	2	0	0	0	0	0	0	0	0	0	5
06:00	0	1	4	3	0	0	0	0	0	0	0	0	0	0	8
07:00	1	2	6	6	6	1	0	0	0	0	0	0	0	0	22
08:00	1	6	12	17	9	2	1	0	0	0	0	0	0	0	48
09:00	0	2	5	2	1	0	0	0	0	0	0	0	0	0	10
10:00	2	1	9	10	2	1	0	0	0	0	0	0	0	0	25
11:00	2	2	9	4	2	1	0	0	0	0	0	0	0	0	20
12 PM	5	3	7	9	5	2	0	0	0	0	0	0	0	0	31
13:00	1	4	7	7	2	1	0	0	0	0	0	0	0	0	22
14:00	1	4	5	18	3	2	1	0	0	0	0	0	0	0	34
15:00	0	1	10	12	4	0	0	0	0	0	0	0	0	0	27
16:00	1	2	12	5	2	0	0	0	0	0	0	0	0	0	22
17:00	5	4	5	7	4	0	0	0	0	0	0	0	0	0	25
18:00	3	7	6	7	0	1	0	0	0	0	0	0	0	0	24
19:00	0	2	5	5	3	0	0	0	0	0	0	0	0	0	15
20:00	1	1	6	2	2	0	0	0	0	0	0	0	0	0	12
21:00	0	1	1	2	1	0	0	0	0	0	0	0	0	0	5
22:00	0	1	3	0	1	0	0	0	0	0	0	0	0	0	5
23:00	0	1	1	0	1	0	0	0	0	0	0	0	0	0	3
Total	23	46	114	118	50	11	2	0	0	0	0	0	0	0	364

Daily
 15th Percentile : 18 MPH
 50th Percentile : 24 MPH
 85th Percentile : 30 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 232
 Percent in Pace : 63.7%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Velasquez Road - Las Bolsas Street
 4 Day Directional Speed Survey

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 email: counts@countsunlimited.com

LHS002
 Site Code: 241-231173

Eastbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/08/23	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
05:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
06:00	1	2	1	2	0	0	0	0	0	0	0	0	0	0	6
07:00	2	6	7	5	1	1	0	0	0	0	0	0	0	0	22
08:00	0	4	22	7	1	0	0	0	0	0	0	0	0	0	34
09:00	0	1	3	1	0	0	0	0	0	0	0	0	0	0	5
10:00	1	4	0	5	1	0	0	0	0	0	0	0	0	0	11
11:00	0	3	4	2	0	0	0	0	0	0	0	0	0	0	9
12 PM	0	3	6	2	0	1	0	0	0	0	0	0	0	0	12
13:00	1	4	2	2	1	1	0	0	0	0	0	0	0	0	11
14:00	3	3	8	7	1	0	0	0	0	0	0	0	0	0	22
15:00	3	3	7	3	1	0	0	0	0	0	0	0	0	0	17
16:00	2	11	8	2	0	0	0	0	0	0	0	0	0	0	23
17:00	3	3	8	2	0	0	0	0	0	0	0	0	0	0	16
18:00	2	2	3	0	1	0	0	0	0	0	0	0	0	0	8
19:00	1	1	2	0	1	0	0	0	0	0	0	0	0	0	5
20:00	2	2	1	0	0	0	0	0	0	0	0	0	0	0	5
21:00	1	2	3	0	0	0	0	0	0	0	0	0	0	0	6
22:00	0	2	3	0	0	0	0	0	0	0	0	0	0	0	5
23:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
Total	22	57	91	40	8	3	0	0	0	0	0	0	0	0	221

Daily
 15th Percentile : 15 MPH
 50th Percentile : 21 MPH
 85th Percentile : 27 MPH
 95th Percentile : 29 MPH

Statistics
 Mean Speed(Average) : 22 MPH
 10 MPH Pace Speed : 16-25 MPH
 Number in Pace : 148
 Percent in Pace : 67.0%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Velasquez Road - Las Bolsas Street
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS002
 Site Code: 241-231173

Eastbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/09/23	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
06:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
07:00	0	0	4	3	1	0	0	0	0	0	0	0	0	0	8
08:00	0	4	4	2	0	0	0	0	0	0	0	0	0	0	10
09:00	0	2	10	5	4	0	0	0	0	0	0	0	0	0	21
10:00	1	2	4	3	0	0	0	0	0	0	0	0	0	0	10
11:00	0	1	3	6	0	0	0	0	0	0	0	0	0	0	10
12 PM	0	3	4	4	0	0	0	0	0	0	0	0	0	0	11
13:00	1	4	6	3	0	1	0	0	0	0	0	0	0	0	15
14:00	1	1	4	4	0	0	0	0	0	0	0	0	0	0	10
15:00	1	1	5	4	1	0	0	0	0	0	0	0	0	0	12
16:00	1	6	1	0	0	0	0	0	0	0	0	0	0	0	8
17:00	3	1	1	1	0	0	0	0	0	0	0	0	0	0	6
18:00	3	3	2	0	0	0	0	0	0	0	0	0	0	0	8
19:00	2	0	1	1	1	0	0	0	0	0	0	0	0	0	5
20:00	3	3	3	0	0	0	0	0	0	0	0	0	0	0	9
21:00	2	2	1	0	0	0	0	0	0	0	0	0	0	0	5
22:00	1	1	1	0	1	0	0	0	0	0	0	0	0	0	4
23:00	0	0	2	2	0	0	0	0	0	0	0	0	0	0	4
Total	19	34	59	38	8	2	0	0	0	0	0	0	0	0	160

Daily
 15th Percentile : 15 MPH
 50th Percentile : 22 MPH
 85th Percentile : 28 MPH
 95th Percentile : 31 MPH

Statistics
 Mean Speed(Average) : 22 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 97
 Percent in Pace : 60.6%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Velasquez Road - Las Bolsas Street
 4 Day Directional Speed Survey

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 Corona, CA 92878
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 email: counts@countsunlimited.com

LHS002
 Site Code: 241-231173

Eastbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/10/23	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	1	1	1	0	0	0	0	0	0	0	0	0	0	3
07:00	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3
08:00	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3
09:00	1	1	6	4	1	0	0	0	0	0	0	0	0	0	13
10:00	1	4	4	2	0	0	0	0	0	0	0	0	0	0	11
11:00	0	4	1	1	0	0	0	0	0	0	0	0	0	0	6
12 PM	0	1	5	5	0	0	0	0	0	0	0	0	0	0	11
13:00	1	2	5	6	0	1	0	0	0	0	0	0	0	0	15
14:00	2	6	8	1	1	0	0	0	0	0	0	0	0	0	18
15:00	2	7	6	3	1	0	0	0	0	0	0	0	0	0	19
16:00	1	3	5	1	0	0	0	0	0	0	0	0	0	0	10
17:00	2	1	3	0	0	0	0	0	0	0	0	0	0	0	6
18:00	0	1	3	1	0	0	0	0	0	0	0	0	0	0	5
19:00	0	0	4	1	0	0	0	0	0	0	0	0	0	0	5
20:00	2	0	2	0	0	0	0	0	0	0	0	0	0	0	4
21:00	2	0	2	1	0	0	0	0	0	0	0	0	0	0	5
22:00	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3
23:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
Total	17	34	61	30	3	1	0	0	0	0	0	0	0	0	146

Daily
 15th Percentile : 15 MPH
 50th Percentile : 21 MPH
 85th Percentile : 27 MPH
 95th Percentile : 29 MPH

Statistics
 Mean Speed(Average) : 21 MPH
 10 MPH Pace Speed : 16-25 MPH
 Number in Pace : 95
 Percent in Pace : 65.1%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
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 B/ Velasquez Road - Las Bolsas Street
 4 Day Directional Speed Survey

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 email: counts@countsunlimited.com

LHS002
 Site Code: 241-231173

Eastbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/11/23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2
05:00	0	2	1	0	0	0	0	0	0	0	0	0	0	0	3
06:00	1	5	4	0	0	0	0	0	0	0	0	0	0	0	10
07:00	2	1	4	0	1	0	0	0	0	0	0	0	0	0	8
08:00	1	6	11	14	1	0	0	0	0	0	0	0	0	0	33
09:00	1	4	3	4	0	0	0	0	0	0	0	0	0	0	12
10:00	0	2	2	0	0	0	0	0	0	0	0	0	0	0	4
11:00	5	3	4	3	0	0	0	0	0	0	0	0	0	0	15
12 PM	2	2	6	4	0	0	0	0	0	0	0	0	0	0	14
13:00	1	5	7	3	0	0	0	0	0	0	0	0	0	0	16
14:00	2	7	7	5	2	0	0	0	0	0	0	0	0	0	23
15:00	0	2	4	5	1	0	0	0	0	0	0	0	0	0	12
16:00	3	1	6	3	0	0	0	0	0	0	0	0	0	0	13
17:00	1	3	7	0	1	0	0	0	0	0	0	0	0	0	12
18:00	0	2	2	0	0	0	0	0	0	0	0	0	0	0	4
19:00	1	2	3	0	0	0	0	0	0	0	0	0	0	0	6
20:00	1	1	1	1	0	0	0	0	0	0	0	0	0	0	4
21:00	1	2	1	1	0	0	0	0	0	0	0	0	0	0	5
22:00	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
23:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Total	22	51	73	46	6	1	0	0	0	0	0	0	0	0	199

Daily
 15th Percentile : 15 MPH
 50th Percentile : 21 MPH
 85th Percentile : 27 MPH
 95th Percentile : 29 MPH

Statistics
 Mean Speed(Average) : 22 MPH
 10 MPH Pace Speed : 16-25 MPH
 Number in Pace : 124
 Percent in Pace : 62.3%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Velasquez Road - Las Bolsas Street
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS002
 Site Code: 241-231173

Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/08/23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
06:00	1	2	0	2	0	0	0	0	0	0	0	0	0	0	5
07:00	4	6	2	1	0	0	0	0	0	0	0	0	0	0	13
08:00	1	3	5	4	2	0	0	0	0	0	0	0	0	0	15
09:00	0	2	3	5	0	0	0	0	0	0	0	0	0	0	10
10:00	0	3	1	5	0	0	0	0	0	0	0	0	0	0	9
11:00	1	2	2	5	2	1	0	0	0	0	0	0	0	0	13
12 PM	0	4	1	5	2	0	0	0	0	0	0	0	0	0	12
13:00	2	3	4	6	2	0	0	0	0	0	0	0	0	0	17
14:00	0	5	7	5	3	1	0	0	0	0	0	0	0	0	21
15:00	1	4	5	3	2	0	0	0	0	0	0	0	0	0	15
16:00	2	5	4	0	3	1	0	0	0	0	0	0	0	0	15
17:00	4	7	5	3	1	0	0	0	0	0	0	0	0	0	20
18:00	2	1	3	2	0	0	0	0	0	0	0	0	0	0	8
19:00	2	5	4	3	2	0	0	0	0	0	0	0	0	0	16
20:00	1	5	1	1	1	0	0	0	0	0	0	0	0	0	9
21:00	2	1	4	1	0	0	0	0	0	0	0	0	0	0	8
22:00	0	1	1	1	0	0	0	0	0	0	0	0	0	0	3
23:00	2	0	1	0	0	0	1	0	0	0	0	0	0	0	4
Total	25	60	53	52	20	3	1	0	0	0	0	0	0	0	214

Daily
 15th Percentile : 15 MPH
 50th Percentile : 22 MPH
 85th Percentile : 29 MPH
 95th Percentile : 33 MPH

Statistics
 Mean Speed(Average) : 22 MPH
 10 MPH Pace Speed : 16-25 MPH
 Number in Pace : 113
 Percent in Pace : 52.8%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Velasquez Road - Las Bolsas Street
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS002
 Site Code: 241-231173

Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/09/23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
07:00	1	0	1	0	1	0	0	0	0	0	0	0	0	0	3
08:00	1	3	4	0	0	1	0	0	0	0	0	0	0	0	9
09:00	0	5	2	1	2	1	0	0	0	0	0	0	0	0	11
10:00	0	2	5	5	0	0	0	0	0	0	0	0	0	0	12
11:00	0	2	1	6	0	0	0	0	0	0	0	0	0	0	9
12 PM	0	1	4	3	1	0	0	0	0	0	0	0	0	0	9
13:00	1	2	9	7	0	0	0	0	0	0	0	0	0	0	19
14:00	1	0	3	5	2	0	0	0	0	0	0	0	0	0	11
15:00	1	3	2	4	2	0	0	0	0	0	0	0	0	0	12
16:00	1	2	2	1	1	0	0	0	0	0	0	0	0	0	7
17:00	0	6	3	2	0	0	0	0	0	0	0	0	0	0	11
18:00	1	2	3	3	1	0	0	0	0	0	0	0	0	0	10
19:00	1	2	1	1	0	0	0	0	0	0	0	0	0	0	5
20:00	0	1	2	3	0	0	0	0	0	0	0	0	0	0	6
21:00	1	0	2	2	0	0	0	0	0	0	0	0	0	0	5
22:00	0	3	3	1	1	0	0	0	0	0	0	0	0	0	8
23:00	1	0	2	1	0	0	0	0	0	0	0	0	0	0	4
Total	11	34	49	45	11	2	1	0	0	0	0	0	0	0	153

Daily
 15th Percentile : 16 MPH
 50th Percentile : 23 MPH
 85th Percentile : 29 MPH
 95th Percentile : 32 MPH

Statistics
 Mean Speed(Average) : 23 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 94
 Percent in Pace : 61.4%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Velasquez Road - Las Bolsas Street
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS002
 Site Code: 241-231173

Westbound

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
12/10/23	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	2	0	1	0	0	0	0	0	0	0	0	0	0	0	3
07:00	1	0	1	1	0	0	0	0	0	0	0	0	0	0	3
08:00	0	2	1	0	0	0	0	0	0	0	0	0	0	0	3
09:00	1	2	3	1	1	0	0	0	0	0	0	0	0	0	8
10:00	2	1	3	2	1	1	0	0	0	0	0	0	0	0	10
11:00	1	2	5	4	2	0	0	0	0	0	0	0	0	0	14
12 PM	2	2	5	3	2	0	0	0	0	0	0	0	0	0	14
13:00	1	5	8	3	2	0	0	0	0	0	0	0	0	0	19
14:00	1	5	4	4	0	1	0	0	0	0	0	0	0	0	15
15:00	4	4	6	7	0	1	0	0	0	0	0	0	0	0	22
16:00	1	0	3	0	1	0	0	0	0	0	0	0	0	0	5
17:00	2	1	5	0	0	0	0	0	0	0	0	0	0	0	8
18:00	1	4	0	1	0	0	0	0	0	0	0	0	0	0	6
19:00	3	1	1	1	0	0	0	0	0	0	0	0	0	0	6
20:00	3	2	0	2	0	0	0	0	0	0	0	0	0	0	7
21:00	0	2	1	3	1	0	0	0	0	0	0	0	0	0	7
22:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	25	35	47	33	10	3	0	0	0	0	0	0	0	0	153

Daily
 15th Percentile : 13 MPH
 50th Percentile : 21 MPH
 85th Percentile : 28 MPH
 95th Percentile : 32 MPH

Statistics
 Mean Speed(Average) : 21 MPH
 10 MPH Pace Speed : 16-25 MPH
 Number in Pace : 82
 Percent in Pace : 53.6%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Velasquez Road - Las Bolsas Street
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS002
 Site Code: 241-231173

Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/11/23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	1	2	0	0	0	0	0	0	0	0	0	0	3
06:00	4	1	1	0	0	0	0	0	0	0	0	0	0	0	6
07:00	2	4	5	1	0	0	0	0	0	0	0	0	0	0	12
08:00	2	7	3	0	0	0	0	0	0	0	0	0	0	0	12
09:00	1	2	2	6	0	0	0	0	0	0	0	0	0	0	11
10:00	1	1	3	3	2	0	0	0	0	0	0	0	0	0	10
11:00	2	1	1	3	2	0	0	0	0	0	0	0	0	0	9
12 PM	2	0	4	2	1	0	0	0	0	0	0	0	0	0	9
13:00	2	4	6	5	3	1	0	0	0	0	0	0	0	0	21
14:00	3	2	1	11	7	0	0	0	0	0	0	0	0	0	24
15:00	3	3	7	6	0	0	0	0	0	0	0	0	0	0	19
16:00	1	6	9	4	2	0	0	0	0	0	0	0	0	0	22
17:00	5	9	8	4	0	0	0	0	0	0	0	0	0	0	26
18:00	2	3	2	0	1	0	0	0	0	0	0	0	0	0	8
19:00	3	1	1	1	1	0	0	0	0	0	0	0	0	0	7
20:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
21:00	0	3	1	0	0	0	0	0	0	0	0	0	0	0	4
22:00	1	0	0	1	0	0	0	0	0	0	0	0	0	0	2
23:00	0	1	1	1	0	0	0	0	0	0	0	0	0	0	3
Total	35	49	58	50	19	1	0	0	0	0	0	0	0	0	212

Daily
 15th Percentile : 13 MPH
 50th Percentile : 21 MPH
 85th Percentile : 28 MPH
 95th Percentile : 32 MPH

Statistics
 Mean Speed(Average) : 22 MPH
 10 MPH Pace Speed : 19-28 MPH
 Number in Pace : 108
 Percent in Pace : 50.9%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Velasquez Road - Las Bolsas Street
 4 Day Directional Speed Survey
 Eastbound, Westbound

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS002
 Site Code: 241-231173

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/08/23	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
05:00	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
06:00	2	4	1	4	0	0	0	0	0	0	0	0	0	0	11
07:00	6	12	9	6	1	1	0	0	0	0	0	0	0	0	35
08:00	1	7	27	11	3	0	0	0	0	0	0	0	0	0	49
09:00	0	3	6	6	0	0	0	0	0	0	0	0	0	0	15
10:00	1	7	1	10	1	0	0	0	0	0	0	0	0	0	20
11:00	1	5	6	7	2	1	0	0	0	0	0	0	0	0	22
12 PM	0	7	7	7	2	1	0	0	0	0	0	0	0	0	24
13:00	3	7	6	8	3	1	0	0	0	0	0	0	0	0	28
14:00	3	8	15	12	4	1	0	0	0	0	0	0	0	0	43
15:00	4	7	12	6	3	0	0	0	0	0	0	0	0	0	32
16:00	4	16	12	2	3	1	0	0	0	0	0	0	0	0	38
17:00	7	10	13	5	1	0	0	0	0	0	0	0	0	0	36
18:00	4	3	6	2	1	0	0	0	0	0	0	0	0	0	16
19:00	3	6	6	3	3	0	0	0	0	0	0	0	0	0	21
20:00	3	7	2	1	1	0	0	0	0	0	0	0	0	0	14
21:00	3	3	7	1	0	0	0	0	0	0	0	0	0	0	14
22:00	0	3	4	1	0	0	0	0	0	0	0	0	0	0	8
23:00	2	0	2	0	0	0	1	0	0	0	0	0	0	0	5
Total	47	117	144	92	28	6	1	0	0	0	0	0	0	0	435

Daily
 15th Percentile : 15 MPH
 50th Percentile : 21 MPH
 85th Percentile : 28 MPH
 95th Percentile : 32 MPH

Statistics
 Mean Speed(Average) : 22 MPH
 10 MPH Pace Speed : 16-25 MPH
 Number in Pace : 261
 Percent in Pace : 60.0%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Velasquez Road - Las Bolsas Street
 4 Day Directional Speed Survey
 Eastbound, Westbound

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS002
 Site Code: 241-231173

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/09/23	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
06:00	1	0	0	0	0	1	0	0	0	0	0	0	0	0	2
07:00	1	0	5	3	2	0	0	0	0	0	0	0	0	0	11
08:00	1	7	8	2	0	1	0	0	0	0	0	0	0	0	19
09:00	0	7	12	6	6	1	0	0	0	0	0	0	0	0	32
10:00	1	4	9	8	0	0	0	0	0	0	0	0	0	0	22
11:00	0	3	4	12	0	0	0	0	0	0	0	0	0	0	19
12 PM	0	4	8	7	1	0	0	0	0	0	0	0	0	0	20
13:00	2	6	15	10	0	1	0	0	0	0	0	0	0	0	34
14:00	2	1	7	9	2	0	0	0	0	0	0	0	0	0	21
15:00	2	4	7	8	3	0	0	0	0	0	0	0	0	0	24
16:00	2	8	3	1	1	0	0	0	0	0	0	0	0	0	15
17:00	3	7	4	3	0	0	0	0	0	0	0	0	0	0	17
18:00	4	5	5	3	1	0	0	0	0	0	0	0	0	0	18
19:00	3	2	2	2	1	0	0	0	0	0	0	0	0	0	10
20:00	3	4	5	3	0	0	0	0	0	0	0	0	0	0	15
21:00	3	2	3	2	0	0	0	0	0	0	0	0	0	0	10
22:00	1	4	4	1	2	0	0	0	0	0	0	0	0	0	12
23:00	1	0	4	3	0	0	0	0	0	0	0	0	0	0	8
Total	30	68	108	83	19	4	1	0	0	0	0	0	0	0	313

Daily
 15th Percentile : 16 MPH
 50th Percentile : 22 MPH
 85th Percentile : 28 MPH
 95th Percentile : 32 MPH

Statistics
 Mean Speed(Average) : 23 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 191
 Percent in Pace : 61.0%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Velasquez Road - Las Bolsas Street
 4 Day Directional Speed Survey
 Eastbound, Westbound

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS002
 Site Code: 241-231173

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total
Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	
12/10/23	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	2	1	2	1	0	0	0	0	0	0	0	0	0	0	6
07:00	4	0	1	1	0	0	0	0	0	0	0	0	0	0	6
08:00	0	2	3	1	0	0	0	0	0	0	0	0	0	0	6
09:00	2	3	9	5	2	0	0	0	0	0	0	0	0	0	21
10:00	3	5	7	4	1	1	0	0	0	0	0	0	0	0	21
11:00	1	6	6	5	2	0	0	0	0	0	0	0	0	0	20
12 PM	2	3	10	8	2	0	0	0	0	0	0	0	0	0	25
13:00	2	7	13	9	2	1	0	0	0	0	0	0	0	0	34
14:00	3	11	12	5	1	1	0	0	0	0	0	0	0	0	33
15:00	6	11	12	10	1	1	0	0	0	0	0	0	0	0	41
16:00	2	3	8	1	1	0	0	0	0	0	0	0	0	0	15
17:00	4	2	8	0	0	0	0	0	0	0	0	0	0	0	14
18:00	1	5	3	2	0	0	0	0	0	0	0	0	0	0	11
19:00	3	1	5	2	0	0	0	0	0	0	0	0	0	0	11
20:00	5	2	2	2	0	0	0	0	0	0	0	0	0	0	11
21:00	2	2	3	4	1	0	0	0	0	0	0	0	0	0	12
22:00	0	0	2	2	0	0	0	0	0	0	0	0	0	0	4
23:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
Total	42	69	108	63	13	4	0	0	0	0	0	0	0	0	299

Daily
 15th Percentile : 15 MPH
 50th Percentile : 21 MPH
 85th Percentile : 27 MPH
 95th Percentile : 30 MPH

Statistics
 Mean Speed(Average) : 21 MPH
 10 MPH Pace Speed : 16-25 MPH
 Number in Pace : 177
 Percent in Pace : 59.2%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Velasquez Road - Las Bolsas Street
 4 Day Directional Speed Survey
 Eastbound, Westbound

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS002
 Site Code: 241-231173

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/11/23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2
05:00	0	2	2	2	0	0	0	0	0	0	0	0	0	0	6
06:00	5	6	5	0	0	0	0	0	0	0	0	0	0	0	16
07:00	4	5	9	1	1	0	0	0	0	0	0	0	0	0	20
08:00	3	13	14	14	1	0	0	0	0	0	0	0	0	0	45
09:00	2	6	5	10	0	0	0	0	0	0	0	0	0	0	23
10:00	1	3	5	3	2	0	0	0	0	0	0	0	0	0	14
11:00	7	4	5	6	2	0	0	0	0	0	0	0	0	0	24
12 PM	4	2	10	6	1	0	0	0	0	0	0	0	0	0	23
13:00	3	9	13	8	3	1	0	0	0	0	0	0	0	0	37
14:00	5	9	8	16	9	0	0	0	0	0	0	0	0	0	47
15:00	3	5	11	11	1	0	0	0	0	0	0	0	0	0	31
16:00	4	7	15	7	2	0	0	0	0	0	0	0	0	0	35
17:00	6	12	15	4	1	0	0	0	0	0	0	0	0	0	38
18:00	2	5	4	0	1	0	0	0	0	0	0	0	0	0	12
19:00	4	3	4	1	1	0	0	0	0	0	0	0	0	0	13
20:00	1	2	2	1	0	0	0	0	0	0	0	0	0	0	6
21:00	1	5	2	1	0	0	0	0	0	0	0	0	0	0	9
22:00	1	1	0	2	0	0	0	0	0	0	0	0	0	0	4
23:00	0	1	1	2	0	0	0	0	0	0	0	0	0	0	4
Total	57	100	131	96	25	2	0	0	0	0	0	0	0	0	411

Daily
 15th Percentile : 15 MPH
 50th Percentile : 21 MPH
 85th Percentile : 28 MPH
 95th Percentile : 31 MPH

Statistics
 Mean Speed(Average) : 22 MPH
 10 MPH Pace Speed : 16-25 MPH
 Number in Pace : 231
 Percent in Pace : 56.2%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%



City of Laguna Hills Traffic Commission Staff Report

Date: July 17, 2024
To: Traffic Commissioners
From: Samantha Vu, Assistant Engineer
Issue: Review of Traffic Conditions on Grissom Road and Wilkes Place

Recommendation: That the Traffic Commission receive and file the report.

Background:

Staff was previously contacted in 2019 by a resident regarding concerns of vehicular speeding, cut-through traffic and traffic collisions on Wilkes Place south of Alicia Parkway and Grissom Road east of Wilkes Place. Based upon the resident's concern and in accordance with the Residential Streets Traffic Management Policy, staff initiated a review of the requested area.

The Traffic Engineers of Hartzog & Crabill, Inc., (HCI) completed the attached January 9, 2019, study of the traffic attributes of Wilkes Place and Grissom Road. The speed survey counts, performed by HCI, as shown in the study, determined the 85th percentile speeds on Wilkes Place as 30 MPH south of Alicia Parkway and on Grissom Road as 28.4 MPH east of Wilkes Place, respectively. Staff's experience has found the typical prevailing speed range for such streets to be between 32 and 34 MPH, without traffic safety concerns. The 85th percentile speeds were below this range and the 24-hour volumes were low for a typical residential street. Therefore, no action was needed at the time. More information can be seen in the attached Traffic Commission Agenda Item 4.1, dated January 19, 2019.

Staff was contacted in 2023 by a different resident regarding concerns of vehicular speeding along Grissom Road and Wilkes Place. Staff initiated a speed survey for a total of 4 days in three locations to evaluate any changes since the previous report in 2019.

Please see the attached Speed Survey Location Map. Counts Unlimited collected and reported the attached 24-hour speed survey on Grissom Road and Wilkes Place, between December 8 and December 11, 2023.

Staff initiated a new speed survey for a total of four (4) days in the same three (3) locations as done in 2023. Counts Unlimited collected and reported the attached 24-hour speed survey on Grissom Road and Wilkes Place, between April 26 and April 29, 2024. The average of all 4 days in comparison to the speed survey done in 2019 and 2023 are in Tables 1 & 2 below.

Tables 1 & 2: Speed Survey Summary (MPH)

Speed Summary	Along Wilkes Place Segment		
	2019	2023	2024
Average Speed	25	24	26
85 th Percentile Speed	30	28.5	30.5
10 MPH Pace Range	21-360	21-30	21-30
Percent of Vehicles in Pace	74.1%	73%	69.3%

Speed Summary	Along Grissom Road Segment				
	2019	2023 (between Wilkes and Velasquez)	2023 (between Velasquez and Las Bolsas)	2024 (between Wilkes and Velasquez)	2024 (between Velasquez and Las Bolsas)
Average Speed	25.2	25.5	22	24.5	25.5
85 th Percentile Speed	28.4	31.25	27.75	31	31.75
10 MPH Pace Range	20-29	21-30	16-25	21-30	21-30
Percent of Vehicles in Pace	87.3%	58.7%	59.1%	58.63%	57.5%

Staff’s experience has found the typical prevailing speed range for such streets to be between 32 and 34 MPH, without traffic safety concerns. Based on the data in Tables 1 & 2, the 85th percentile speeds were below this range and the 24-hour volumes were low for a typical residential street.

Staff contacted OC Sheriffs and found no reported incidents within the past year. In general, the collision analysis requires a minimum of five (5) reported, correctable accidents within 12 months, and therefore does not trigger safety recommendations. Staff recommends that the Traffic Commission receive and file this report as the data collected does not trigger any physical devices from the Residential Streets Management Policy.

Fiscal Impact:

There is no fiscal impact due to the results of the speed survey.

Attachments:

1. Grissom Road and Wilkes Place Vicinity Map
2. Counts Unlimited, Inc. 96-Hour Directional Speed Survey
3. Residential Streets Traffic Management Policy

Counts Unlimited, Inc.

City of Laguna Hills
 Wilkes Place
 B/ Alicia Parkway - Grissom Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
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 email: counts@countsunlimited.com

LHS001
 Site Code: 999-24366

Northbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
04/26/24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	1	1	2	0	0	0	0	0	0	0	0	0	0	4
05:00	0	0	2	2	3	1	0	0	0	0	0	0	0	0	8
06:00	0	0	4	1	3	1	0	0	0	0	0	0	0	0	9
07:00	1	2	21	16	4	1	0	0	0	0	0	0	0	0	45
08:00	4	14	61	34	9	0	0	0	0	0	0	0	0	0	122
09:00	0	1	5	8	0	0	0	0	0	0	0	0	0	0	14
10:00	0	1	4	8	4	0	0	0	0	0	0	0	0	0	17
11:00	2	4	2	6	3	0	0	0	0	0	0	0	0	0	17
12 PM	3	1	2	9	4	0	0	0	0	0	0	0	0	0	19
13:00	0	2	4	7	2	0	0	0	0	0	0	0	0	0	15
14:00	1	5	27	32	7	0	0	0	0	0	0	0	0	0	72
15:00	0	1	2	10	6	1	0	0	0	0	0	0	0	0	20
16:00	0	2	4	8	4	1	0	0	0	0	0	0	0	0	19
17:00	0	2	7	7	1	0	0	0	0	0	0	0	0	0	17
18:00	0	5	5	7	0	0	1	0	0	0	0	0	0	0	18
19:00	2	1	1	6	4	0	0	0	0	0	0	0	0	0	14
20:00	0	1	5	7	1	1	0	0	0	0	0	0	0	0	15
21:00	0	3	0	2	2	0	0	0	0	0	0	0	0	0	7
22:00	1	0	4	1	2	1	0	0	0	0	0	0	0	0	9
23:00	0	1	1	0	1	0	0	0	0	0	0	0	0	0	3
Total	14	47	163	173	60	7	1	0	0	0	0	0	0	0	465

Daily
 15th Percentile : 20 MPH
 50th Percentile : 25 MPH
 85th Percentile : 29 MPH
 95th Percentile : 33 MPH

Statistics
 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 336
 Percent in Pace : 72.3%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

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 4 Day Directional Speed Survey

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LHS001
 Site Code: 999-24366

Northbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
04/27/24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	2	0	2	0	0	0	0	0	0	0	0	0	4
06:00	1	1	2	2	0	0	0	0	0	0	0	0	0	0	6
07:00	1	5	3	2	2	0	0	0	0	0	0	0	0	0	13
08:00	0	1	5	3	1	0	0	0	0	0	0	0	0	0	10
09:00	0	0	4	7	0	0	0	0	0	0	0	0	0	0	11
10:00	0	2	6	7	4	0	0	0	0	0	0	0	0	0	19
11:00	0	4	5	4	2	0	0	0	0	0	0	0	0	0	15
12 PM	1	1	4	7	2	1	0	0	0	0	0	0	0	0	16
13:00	1	1	9	8	5	1	0	0	0	0	0	0	0	0	25
14:00	1	0	5	3	3	0	0	0	0	0	0	0	0	0	12
15:00	0	1	12	2	4	1	0	0	0	0	0	0	0	0	20
16:00	0	1	3	7	2	0	0	0	0	0	0	0	0	0	13
17:00	0	0	4	6	1	0	0	0	0	0	0	0	0	0	11
18:00	0	2	3	6	5	1	0	0	0	0	0	0	0	0	17
19:00	0	1	4	4	1	0	0	0	0	0	0	0	0	0	10
20:00	0	0	2	4	3	0	0	0	0	0	0	0	0	0	9
21:00	0	2	2	4	1	1	0	0	0	0	0	0	0	0	10
22:00	0	0	0	2	1	0	0	0	0	0	0	0	0	0	3
23:00	0	2	3	1	0	0	0	0	0	0	0	0	0	0	6
Total	5	24	78	79	39	5	0	0	0	0	0	0	0	0	230

Daily
 15th Percentile : 20 MPH
 50th Percentile : 25 MPH
 85th Percentile : 31 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 157
 Percent in Pace : 68.3%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

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 4 Day Directional Speed Survey

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 Site Code: 999-24366

Northbound

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total
Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	
04/28/24	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	1	1	0	1	0	0	0	0	0	0	0	0	0	3
06:00	0	1	2	2	0	1	0	0	0	0	0	0	0	0	6
07:00	2	0	2	1	2	0	0	0	0	0	0	0	0	0	7
08:00	0	1	5	4	0	0	0	0	0	0	0	0	0	0	10
09:00	0	2	6	4	4	0	0	0	0	0	0	0	0	0	16
10:00	0	2	2	3	2	0	0	0	0	0	0	0	0	0	9
11:00	1	1	5	3	0	0	0	0	0	0	0	0	0	0	10
12 PM	0	4	3	6	3	0	0	0	0	0	0	0	0	0	16
13:00	0	5	3	3	4	1	0	0	0	0	0	0	0	0	16
14:00	0	2	2	5	2	2	0	0	0	0	0	0	0	0	13
15:00	1	1	4	5	1	0	0	0	0	0	0	0	0	0	12
16:00	0	1	6	7	0	2	0	0	0	0	0	0	0	0	16
17:00	1	1	5	2	1	0	0	0	0	0	0	0	0	0	10
18:00	0	1	6	3	3	0	1	0	0	0	0	0	0	0	14
19:00	0	0	0	5	0	0	0	0	0	0	0	0	0	0	5
20:00	0	0	0	4	2	0	0	0	0	0	0	0	0	0	6
21:00	1	1	3	3	0	1	0	0	0	0	0	0	0	0	9
22:00	0	0	2	1	0	1	0	0	0	0	0	0	0	0	4
23:00	0	0	1	2	1	0	0	0	0	0	0	0	0	0	4
Total	6	25	58	64	27	8	1	0	0	0	0	0	0	0	189

Daily
 15th Percentile : 19 MPH
 50th Percentile : 25 MPH
 85th Percentile : 31 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 122
 Percent in Pace : 64.6%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

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Northbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
04/29/24	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	4	0	1	1	0	0	0	0	0	0	0	0	6
05:00	0	0	1	2	1	1	0	0	0	0	0	0	0	0	5
06:00	1	0	6	2	0	1	0	0	0	0	0	0	0	0	10
07:00	3	3	12	24	7	0	0	0	0	0	0	0	0	0	49
08:00	1	9	34	62	6	0	0	0	0	0	0	0	0	0	112
09:00	0	6	3	7	0	0	0	0	0	0	0	0	0	0	16
10:00	0	6	3	6	2	0	0	0	0	0	0	0	0	0	17
11:00	0	1	6	7	2	0	0	0	0	0	0	0	0	0	16
12 PM	0	1	0	8	3	0	0	0	0	0	0	0	0	0	12
13:00	0	1	2	5	3	0	0	0	0	0	0	0	0	0	11
14:00	0	7	35	40	9	0	0	0	0	0	0	0	0	0	91
15:00	0	1	7	13	7	1	0	0	0	0	0	0	0	0	29
16:00	0	1	3	7	3	0	0	0	0	0	0	0	0	0	14
17:00	2	0	7	13	2	0	0	0	0	0	0	0	0	0	24
18:00	0	3	8	11	1	0	0	0	0	0	0	0	0	0	23
19:00	1	3	5	4	1	0	0	0	0	0	0	0	0	0	14
20:00	1	0	5	0	1	0	0	0	0	0	0	0	0	0	7
21:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
22:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
23:00	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3
Total	9	42	144	215	50	4	0	0	0	0	0	0	0	0	464

Daily
 15th Percentile : 20 MPH
 50th Percentile : 25 MPH
 85th Percentile : 29 MPH
 95th Percentile : 33 MPH

Statistics
 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 359
 Percent in Pace : 77.4%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

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Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
04/26/24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	3	0	1	0	0	0	0	0	0	0	0	0	4
06:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
07:00	2	0	9	11	1	1	0	0	0	0	0	0	0	0	24
08:00	1	3	6	16	3	0	0	0	0	0	0	0	0	0	29
09:00	0	2	3	3	0	1	0	0	0	0	0	0	0	0	9
10:00	0	3	4	2	2	1	0	0	0	0	0	0	0	0	12
11:00	0	0	2	9	3	0	0	0	0	0	0	0	0	0	14
12 PM	0	1	3	10	4	0	0	0	0	0	0	0	0	0	18
13:00	0	2	2	5	3	0	0	0	0	0	0	0	0	0	12
14:00	2	1	13	19	7	1	0	0	0	0	0	0	0	0	43
15:00	0	3	4	11	4	2	0	0	0	0	0	0	0	0	24
16:00	0	4	5	13	6	6	0	0	0	0	0	0	0	0	34
17:00	1	0	1	14	6	1	0	0	0	0	0	0	0	0	23
18:00	4	2	4	7	1	0	0	0	0	0	0	0	0	0	18
19:00	1	4	3	8	4	0	0	0	0	0	0	0	0	0	20
20:00	1	2	8	6	4	0	0	0	0	0	0	0	0	0	21
21:00	0	2	0	1	3	0	0	0	0	0	0	0	0	0	6
22:00	0	0	2	2	2	0	0	1	0	0	0	0	0	0	7
23:00	0	1	3	3	0	0	0	0	0	0	0	0	0	0	7
Total	12	30	77	141	54	13	0	1	0	0	0	0	0	0	328

Daily
 15th Percentile : 20 MPH
 50th Percentile : 26 MPH
 85th Percentile : 31 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 218
 Percent in Pace : 66.5%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

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 Site Code: 999-24366

Southbound

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total
	15	20	25	30	35	40	45	50	55	60	65	70	75	999	
04/27/24	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
01:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
06:00	0	0	4	1	0	0	0	0	0	0	0	0	0	0	5
07:00	3	0	2	2	0	0	0	0	0	0	0	0	0	0	7
08:00	0	0	5	1	1	1	0	0	0	0	0	0	0	0	8
09:00	0	0	2	6	0	0	0	0	0	0	0	0	0	0	8
10:00	1	0	8	4	5	0	0	0	0	0	0	0	0	0	18
11:00	0	1	8	8	1	1	0	0	0	0	0	0	0	0	19
12 PM	1	1	2	7	5	0	0	0	0	0	0	0	0	0	16
13:00	2	1	4	3	4	2	0	0	0	0	0	0	0	0	16
14:00	0	0	2	6	2	0	0	0	0	0	0	0	0	0	10
15:00	1	0	5	5	2	1	0	0	0	0	0	0	0	0	14
16:00	0	1	2	10	2	0	0	0	0	0	0	0	0	0	15
17:00	2	0	1	14	1	1	0	0	0	0	0	0	0	0	19
18:00	0	2	6	9	0	0	0	0	0	0	0	0	0	0	17
19:00	0	0	3	4	1	0	0	0	0	0	0	0	0	0	8
20:00	0	0	4	5	0	2	0	0	0	0	0	0	0	0	11
21:00	0	1	2	2	2	0	0	0	0	0	0	0	0	0	7
22:00	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
23:00	0	1	0	1	2	0	0	0	0	0	0	0	0	0	4
Total	10	8	63	89	28	10	0	0	0	0	0	0	0	0	208

Daily
 15th Percentile : 21 MPH
 50th Percentile : 26 MPH
 85th Percentile : 31 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 152
 Percent in Pace : 73.1%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Wilkes Place
 B/ Alicia Parkway - Grissom Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS001
 Site Code: 999-24366

Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
04/28/24	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
01:00	0	1	0	0	0	0	1	0	0	0	0	0	0	0	2
02:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	1	0	1	0	0	0	0	0	0	0	2
06:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
07:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
08:00	1	1	0	4	1	0	0	0	0	0	0	0	0	0	7
09:00	0	1	1	4	3	0	0	0	0	0	0	0	0	0	9
10:00	0	0	2	5	4	1	0	0	0	0	0	0	0	0	12
11:00	1	2	3	7	2	0	0	0	0	0	0	0	0	0	15
12 PM	1	2	3	10	4	0	0	0	0	0	0	0	0	0	20
13:00	2	2	8	10	2	0	0	0	0	0	0	0	0	0	24
14:00	0	0	3	10	8	1	0	0	0	0	0	0	0	0	22
15:00	1	1	3	9	5	1	0	0	0	0	0	0	0	0	20
16:00	1	0	4	6	4	1	0	0	0	0	0	0	0	0	16
17:00	0	0	2	9	4	0	0	0	0	0	0	0	0	0	15
18:00	1	2	0	4	3	0	1	0	0	0	0	0	0	0	11
19:00	1	2	2	9	8	1	0	0	0	0	0	0	0	0	23
20:00	0	0	6	7	2	0	0	0	0	0	0	0	0	0	15
21:00	2	1	1	8	1	0	0	0	0	0	0	0	0	0	13
22:00	0	2	1	1	1	0	0	0	0	0	0	0	0	0	5
23:00	0	1	0	0	2	0	0	0	0	0	0	0	0	0	3
Total	11	19	41	106	56	5	3	0	0	0	0	0	0	0	241

Daily
 15th Percentile : 20 MPH
 50th Percentile : 27 MPH
 85th Percentile : 32 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 27 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 162
 Percent in Pace : 67.2%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Wilkes Place
 B/ Alicia Parkway - Grissom Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS001
 Site Code: 999-24366

Southbound

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total
	15	20	25	30	35	40	45	50	55	60	65	70	75	999	
04/29/24	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
05:00	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3
06:00	0	2	1	0	0	0	0	0	0	0	0	0	0	0	3
07:00	1	3	10	6	6	0	0	0	0	0	0	0	0	0	26
08:00	0	5	9	16	4	0	0	0	0	0	0	0	0	0	34
09:00	3	3	5	6	1	1	0	0	0	0	0	0	0	0	19
10:00	2	1	8	3	4	0	0	0	0	0	0	0	0	0	18
11:00	0	0	6	5	1	0	0	0	0	0	0	0	0	0	12
12 PM	0	0	5	7	3	1	0	0	0	0	0	0	0	0	16
13:00	0	1	6	6	2	0	0	0	0	0	0	0	0	0	15
14:00	0	3	11	20	3	0	0	0	0	0	0	0	0	0	37
15:00	1	4	5	11	2	1	0	0	0	0	0	0	0	0	24
16:00	2	2	4	10	7	2	1	0	0	0	0	0	0	0	28
17:00	0	3	5	13	3	2	1	0	0	0	0	0	0	0	27
18:00	0	2	5	9	5	0	0	0	0	0	0	0	0	0	21
19:00	0	0	4	11	1	0	0	0	0	0	0	0	0	0	16
20:00	3	1	4	3	2	1	0	0	0	0	0	0	0	0	14
21:00	0	0	1	3	0	0	0	0	0	0	0	0	0	0	4
22:00	0	1	4	1	0	0	0	0	0	0	0	0	0	0	6
23:00	0	0	1	0	0	0	1	0	0	0	0	0	0	0	2
Total	12	31	98	132	46	8	3	0	0	0	0	0	0	0	330

Daily
 15th Percentile : 20 MPH
 50th Percentile : 25 MPH
 85th Percentile : 30 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 230
 Percent in Pace : 69.7%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Wilkes Place
 B/ Alicia Parkway - Grissom Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS001
 Site Code: 999-24366

Northbound, Southbound

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total
	15	20	25	30	35	40	45	50	55	60	65	70	75	999	
04/26/24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	1	1	2	0	0	0	0	0	0	0	0	0	0	4
05:00	0	0	5	2	4	1	0	0	0	0	0	0	0	0	12
06:00	0	0	5	2	3	1	0	0	0	0	0	0	0	0	11
07:00	3	2	30	27	5	2	0	0	0	0	0	0	0	0	69
08:00	5	17	67	50	12	0	0	0	0	0	0	0	0	0	151
09:00	0	3	8	11	0	1	0	0	0	0	0	0	0	0	23
10:00	0	4	8	10	6	1	0	0	0	0	0	0	0	0	29
11:00	2	4	4	15	6	0	0	0	0	0	0	0	0	0	31
12 PM	3	2	5	19	8	0	0	0	0	0	0	0	0	0	37
13:00	0	4	6	12	5	0	0	0	0	0	0	0	0	0	27
14:00	3	6	40	51	14	1	0	0	0	0	0	0	0	0	115
15:00	0	4	6	21	10	3	0	0	0	0	0	0	0	0	44
16:00	0	6	9	21	10	7	0	0	0	0	0	0	0	0	53
17:00	1	2	8	21	7	1	0	0	0	0	0	0	0	0	40
18:00	4	7	9	14	1	0	1	0	0	0	0	0	0	0	36
19:00	3	5	4	14	8	0	0	0	0	0	0	0	0	0	34
20:00	1	3	13	13	5	1	0	0	0	0	0	0	0	0	36
21:00	0	5	0	3	5	0	0	0	0	0	0	0	0	0	13
22:00	1	0	6	3	4	1	0	1	0	0	0	0	0	0	16
23:00	0	2	4	3	1	0	0	0	0	0	0	0	0	0	10
Total	26	77	240	314	114	20	1	1	0	0	0	0	0	0	793

Daily
 15th Percentile : 20 MPH
 50th Percentile : 25 MPH
 85th Percentile : 30 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 554
 Percent in Pace : 69.9%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Wilkes Place
 B/ Alicia Parkway - Grissom Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS001
 Site Code: 999-24366

Northbound, Southbound

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total
	15	20	25	30	35	40	45	50	55	60	65	70	75	999	
04/27/24	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
01:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	2	0	2	1	0	0	0	0	0	0	0	0	5
06:00	1	1	6	3	0	0	0	0	0	0	0	0	0	0	11
07:00	4	5	5	4	2	0	0	0	0	0	0	0	0	0	20
08:00	0	1	10	4	2	1	0	0	0	0	0	0	0	0	18
09:00	0	0	6	13	0	0	0	0	0	0	0	0	0	0	19
10:00	1	2	14	11	9	0	0	0	0	0	0	0	0	0	37
11:00	0	5	13	12	3	1	0	0	0	0	0	0	0	0	34
12 PM	2	2	6	14	7	1	0	0	0	0	0	0	0	0	32
13:00	3	2	13	11	9	3	0	0	0	0	0	0	0	0	41
14:00	1	0	7	9	5	0	0	0	0	0	0	0	0	0	22
15:00	1	1	17	7	6	2	0	0	0	0	0	0	0	0	34
16:00	0	2	5	17	4	0	0	0	0	0	0	0	0	0	28
17:00	2	0	5	20	2	1	0	0	0	0	0	0	0	0	30
18:00	0	4	9	15	5	1	0	0	0	0	0	0	0	0	34
19:00	0	1	7	8	2	0	0	0	0	0	0	0	0	0	18
20:00	0	0	6	9	3	2	0	0	0	0	0	0	0	0	20
21:00	0	3	4	6	3	1	0	0	0	0	0	0	0	0	17
22:00	0	0	2	2	1	0	0	0	0	0	0	0	0	0	5
23:00	0	3	3	2	2	0	0	0	0	0	0	0	0	0	10
Total	15	32	141	168	67	15	0	0	0	0	0	0	0	0	438

Daily
 15th Percentile : 20 MPH
 50th Percentile : 25 MPH
 85th Percentile : 31 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 309
 Percent in Pace : 70.5%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Wilkes Place
 B/ Alicia Parkway - Grissom Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS001
 Site Code: 999-24366

Northbound, Southbound

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999		
04/28/24	0	2	1	0	1	0	0	0	0	0	0	0	0	0	0	4
01:00	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	2
02:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
03:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	1	1	0	2	0	1	0	0	0	0	0	0	0	0	5
06:00	0	1	2	3	1	1	0	0	0	0	0	0	0	0	0	8
07:00	2	0	2	2	2	0	0	0	0	0	0	0	0	0	0	8
08:00	1	2	5	8	1	0	0	0	0	0	0	0	0	0	0	17
09:00	0	3	7	8	7	0	0	0	0	0	0	0	0	0	0	25
10:00	0	2	4	8	6	1	0	0	0	0	0	0	0	0	0	21
11:00	2	3	8	10	2	0	0	0	0	0	0	0	0	0	0	25
12 PM	1	6	6	16	7	0	0	0	0	0	0	0	0	0	0	36
13:00	2	7	11	13	6	1	0	0	0	0	0	0	0	0	0	40
14:00	0	2	5	15	10	3	0	0	0	0	0	0	0	0	0	35
15:00	2	2	7	14	6	1	0	0	0	0	0	0	0	0	0	32
16:00	1	1	10	13	4	3	0	0	0	0	0	0	0	0	0	32
17:00	1	1	7	11	5	0	0	0	0	0	0	0	0	0	0	25
18:00	1	3	6	7	6	0	2	0	0	0	0	0	0	0	0	25
19:00	1	2	2	14	8	1	0	0	0	0	0	0	0	0	0	28
20:00	0	0	6	11	4	0	0	0	0	0	0	0	0	0	0	21
21:00	3	2	4	11	1	1	0	0	0	0	0	0	0	0	0	22
22:00	0	2	3	2	1	1	0	0	0	0	0	0	0	0	0	9
23:00	0	1	1	2	3	0	0	0	0	0	0	0	0	0	0	7
Total	17	44	99	170	83	13	4	0	0	0	0	0	0	0	0	430

Daily
 15th Percentile : 20 MPH
 50th Percentile : 26 MPH
 85th Percentile : 32 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 269
 Percent in Pace : 62.6%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Wilkes Place
 B/ Alicia Parkway - Grissom Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS001
 Site Code: 999-24366

Northbound, Southbound

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total
	15	20	25	30	35	40	45	50	55	60	65	70	75	999	
04/29/24	0	0	1	2	0	0	0	0	0	0	0	0	0	0	3
01:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	4	1	2	1	0	0	0	0	0	0	0	0	8
05:00	0	0	4	2	1	1	0	0	0	0	0	0	0	0	8
06:00	1	2	7	2	0	1	0	0	0	0	0	0	0	0	13
07:00	4	6	22	30	13	0	0	0	0	0	0	0	0	0	75
08:00	1	14	43	78	10	0	0	0	0	0	0	0	0	0	146
09:00	3	9	8	13	1	1	0	0	0	0	0	0	0	0	35
10:00	2	7	11	9	6	0	0	0	0	0	0	0	0	0	35
11:00	0	1	12	12	3	0	0	0	0	0	0	0	0	0	28
12 PM	0	1	5	15	6	1	0	0	0	0	0	0	0	0	28
13:00	0	2	8	11	5	0	0	0	0	0	0	0	0	0	26
14:00	0	10	46	60	12	0	0	0	0	0	0	0	0	0	128
15:00	1	5	12	24	9	2	0	0	0	0	0	0	0	0	53
16:00	2	3	7	17	10	2	1	0	0	0	0	0	0	0	42
17:00	2	3	12	26	5	2	1	0	0	0	0	0	0	0	51
18:00	0	5	13	20	6	0	0	0	0	0	0	0	0	0	44
19:00	1	3	9	15	2	0	0	0	0	0	0	0	0	0	30
20:00	4	1	9	3	3	1	0	0	0	0	0	0	0	0	21
21:00	0	0	1	5	0	0	0	0	0	0	0	0	0	0	6
22:00	0	1	5	1	0	0	0	0	0	0	0	0	0	0	7
23:00	0	0	3	1	0	0	1	0	0	0	0	0	0	0	5
Total	21	73	242	347	96	12	3	0	0	0	0	0	0	0	794

Daily
 15th Percentile : 20 MPH
 50th Percentile : 25 MPH
 85th Percentile : 29 MPH
 95th Percentile : 33 MPH

Statistics
 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 589
 Percent in Pace : 74.2%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Wilkes Place - Velasquez Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS003
 Site Code: 999-24366

Eastbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
04/26/24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
06:00	0	1	1	1	3	0	0	0	0	0	0	0	0	0	6
07:00	0	1	0	3	3	0	1	0	0	0	0	0	0	0	8
08:00	3	3	12	6	2	0	0	0	0	0	0	0	0	0	26
09:00	0	1	3	1	0	0	0	0	0	0	0	0	0	0	5
10:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
11:00	0	0	4	6	1	0	0	0	0	0	0	0	0	0	11
12 PM	3	0	0	3	3	2	0	0	0	0	0	0	0	0	11
13:00	0	1	2	3	1	1	0	0	0	0	0	0	0	0	8
14:00	2	4	8	7	6	0	0	0	0	0	0	0	0	0	27
15:00	0	1	6	4	5	1	0	0	0	0	0	0	0	0	17
16:00	0	2	2	2	6	1	0	0	0	0	0	0	0	0	13
17:00	2	3	5	3	2	0	0	0	0	0	0	0	0	0	15
18:00	0	2	6	0	0	0	0	0	0	0	0	0	0	0	8
19:00	0	2	2	3	2	1	0	1	0	0	0	0	0	0	11
20:00	1	3	4	3	0	0	0	0	0	0	0	0	0	0	11
21:00	0	0	3	2	1	0	0	0	0	0	0	0	0	0	6
22:00	1	0	0	2	0	0	0	0	0	0	0	0	0	0	3
23:00	0	1	1	0	1	0	0	0	0	0	0	0	0	0	3
Total	12	26	60	51	36	6	1	1	0	0	0	0	0	0	193

Daily
 15th Percentile : 18 MPH
 50th Percentile : 24 MPH
 85th Percentile : 32 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 111
 Percent in Pace : 57.5%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Wilkes Place - Velasquez Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS003
 Site Code: 999-24366

Eastbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
04/27/24	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
06:00	0	1	0	2	0	0	0	0	0	0	0	0	0	0	3
07:00	0	0	3	1	0	0	0	0	0	0	0	0	0	0	4
08:00	1	1	1	3	0	0	0	0	0	0	0	0	0	0	6
09:00	0	0	2	6	2	0	0	0	0	0	0	0	0	0	10
10:00	2	1	2	3	2	0	0	0	0	0	0	0	0	0	10
11:00	3	0	2	3	3	0	0	0	0	0	0	0	0	0	11
12 PM	3	2	1	1	5	0	0	0	0	0	0	0	0	0	12
13:00	2	0	4	2	4	0	0	0	0	0	0	0	0	0	12
14:00	0	1	3	4	2	1	0	0	0	0	0	0	0	0	11
15:00	1	2	3	1	1	0	0	0	0	0	0	0	0	0	8
16:00	0	0	2	6	1	0	0	0	0	0	0	0	0	0	9
17:00	3	1	5	5	1	0	0	0	0	0	0	0	0	0	15
18:00	0	3	1	4	2	0	0	0	0	0	0	0	0	0	10
19:00	0	2	1	2	0	0	0	0	0	0	0	0	0	0	5
20:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
21:00	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3
22:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
23:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
Total	16	16	33	45	24	1	0	0	0	0	0	0	0	0	135

Daily
 15th Percentile : 16 MPH
 50th Percentile : 25 MPH
 85th Percentile : 30 MPH
 95th Percentile : 33 MPH

Statistics
 Mean Speed(Average) : 24 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 78
 Percent in Pace : 57.8%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Wilkes Place - Velasquez Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS003
 Site Code: 999-24366

Eastbound

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
04/28/24	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
01:00	1	0	2	0	0	0	0	0	0	0	0	0	0	0	3
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	1	0	0	0	1	0	0	0	0	0	0	0	0	0	2
06:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
07:00	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3
08:00	0	2	1	2	3	1	0	0	0	0	0	0	0	0	9
09:00	1	1	2	1	2	1	0	0	0	0	0	0	0	0	8
10:00	0	1	2	3	1	0	0	0	0	0	0	0	0	0	7
11:00	1	1	2	1	1	0	0	0	0	0	0	0	0	0	6
12 PM	0	2	3	1	2	0	0	0	0	0	0	0	0	0	8
13:00	0	1	3	2	2	0	0	0	0	0	0	0	0	0	8
14:00	1	0	4	4	1	1	0	0	0	0	0	0	0	0	11
15:00	2	1	0	3	3	0	0	0	0	0	0	0	0	0	9
16:00	0	0	3	2	1	0	0	0	0	0	0	0	0	0	6
17:00	0	0	5	3	0	0	1	0	0	0	0	0	0	0	9
18:00	0	0	4	4	1	0	0	0	0	0	0	0	0	0	9
19:00	0	2	2	3	1	1	0	0	0	0	0	0	0	0	9
20:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
21:00	1	0	2	1	1	0	0	0	0	0	0	0	0	0	5
22:00	0	1	1	0	1	0	0	0	1	0	0	0	0	0	4
23:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
Total	9	14	39	32	22	4	1	0	1	0	0	0	0	0	122

Daily
 15th Percentile : 18 MPH
 50th Percentile : 24 MPH
 85th Percentile : 32 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 71
 Percent in Pace : 58.2%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Wilkes Place - Velasquez Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS003
 Site Code: 999-24366

Eastbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
04/29/24	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
05:00	1	0	1	1	0	0	0	0	0	0	0	0	0	0	3
06:00	1	0	1	0	1	0	0	0	0	0	0	0	0	0	3
07:00	0	1	3	4	2	1	0	0	0	0	0	0	0	0	11
08:00	0	2	9	13	4	0	0	0	0	0	0	0	0	0	28
09:00	0	2	6	4	2	1	0	0	0	0	0	0	0	0	15
10:00	1	1	3	2	3	0	0	0	0	0	0	0	0	0	10
11:00	0	2	6	3	1	1	0	0	0	0	0	0	0	0	13
12 PM	3	1	2	2	2	1	0	0	0	0	0	0	0	0	11
13:00	1	2	0	3	4	0	0	0	0	0	0	0	0	0	10
14:00	1	1	6	10	4	0	0	0	0	0	0	0	0	0	22
15:00	2	1	4	2	3	0	0	0	0	0	0	0	0	0	12
16:00	4	5	4	5	3	0	0	0	0	0	0	0	0	0	21
17:00	2	2	8	5	2	1	0	0	0	0	0	0	0	0	20
18:00	2	2	2	5	1	0	0	0	0	0	0	0	0	0	12
19:00	1	3	2	1	2	0	0	0	0	0	0	0	0	0	9
20:00	0	1	3	1	0	0	0	0	0	0	0	0	0	0	5
21:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
22:00	0	0	2	0	1	0	0	0	0	0	0	0	0	0	3
23:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
Total	19	27	65	61	36	5	0	0	0	0	0	0	0	0	213

Daily
 15th Percentile : 17 MPH
 50th Percentile : 24 MPH
 85th Percentile : 31 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 126
 Percent in Pace : 59.2%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Wilkes Place - Velasquez Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS003
 Site Code: 999-24366

Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
04/26/24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
05:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
06:00	0	1	1	2	0	2	0	0	0	0	0	0	0	0	6
07:00	1	0	3	2	4	0	0	1	0	0	0	0	0	0	11
08:00	1	2	10	9	1	3	0	0	0	0	0	0	0	0	26
09:00	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
10:00	0	2	4	1	2	0	0	0	0	0	0	0	0	0	9
11:00	1	1	2	4	0	2	0	0	0	0	0	0	0	0	10
12 PM	4	4	0	4	2	0	0	0	0	0	0	0	0	0	14
13:00	1	2	3	1	0	0	0	0	0	0	0	0	0	0	7
14:00	1	2	6	6	2	0	0	0	0	0	0	0	0	0	17
15:00	0	0	3	8	3	2	0	0	0	0	0	0	0	0	16
16:00	0	1	4	2	4	0	0	0	0	0	0	0	0	0	11
17:00	3	1	3	3	2	0	0	0	0	0	0	0	0	0	12
18:00	1	0	5	0	3	0	1	0	0	0	0	0	0	0	10
19:00	0	1	1	7	1	0	0	0	0	0	0	0	0	0	10
20:00	0	2	3	1	1	1	0	0	0	0	0	0	0	0	8
21:00	0	2	1	0	2	1	0	0	0	0	0	0	0	0	6
22:00	2	0	2	1	1	0	0	0	0	0	0	0	0	0	6
23:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
Total	16	22	54	53	29	11	1	1	0	0	0	0	0	0	187

Daily
 15th Percentile : 17 MPH
 50th Percentile : 25 MPH
 85th Percentile : 32 MPH
 95th Percentile : 36 MPH

Statistics
 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 107
 Percent in Pace : 57.2%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Wilkes Place - Velasquez Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS003
 Site Code: 999-24366

Westbound

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999		
04/27/24	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	3
06:00	1	1	2	1	1	0	0	0	0	0	0	0	0	0	0	6
07:00	0	0	2	2	1	0	0	0	0	0	0	0	0	0	0	5
08:00	1	3	0	0	0	2	0	0	0	0	0	0	0	0	0	6
09:00	0	2	1	0	2	0	0	0	0	0	0	0	0	0	0	5
10:00	3	0	2	4	2	0	0	0	0	0	0	0	0	0	0	11
11:00	2	2	1	3	0	1	0	0	0	0	0	0	0	0	0	9
12 PM	3	2	1	4	2	0	0	0	0	0	0	0	0	0	0	12
13:00	1	4	5	3	3	0	1	0	0	0	0	0	0	0	0	17
14:00	0	0	4	6	1	0	0	0	0	0	0	0	0	0	0	11
15:00	2	0	5	3	1	0	0	0	0	0	0	0	0	0	0	11
16:00	0	1	4	5	2	0	0	0	0	0	0	0	0	0	0	12
17:00	5	0	3	3	2	0	0	0	0	0	0	0	0	0	0	13
18:00	1	1	4	3	0	1	0	0	0	0	0	0	0	0	0	10
19:00	0	1	1	3	1	0	0	0	0	0	0	0	0	0	0	6
20:00	2	1	2	0	2	2	0	0	0	0	0	0	0	0	0	9
21:00	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	4
22:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
23:00	0	1	2	2	0	0	0	0	0	0	0	0	0	0	0	5
Total	21	20	45	47	20	6	1	0	0	0	0	0	0	0	0	160

Daily
 15th Percentile : 15 MPH
 50th Percentile : 24 MPH
 85th Percentile : 30 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 24 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 92
 Percent in Pace : 57.5%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Wilkes Place - Velasquez Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS003
 Site Code: 999-24366

Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
04/28/24	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
06:00	0	0	1	3	0	0	0	0	0	0	0	0	0	0	4
07:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
08:00	0	1	4	4	0	0	0	0	0	0	0	0	0	0	9
09:00	0	1	1	2	2	0	0	0	0	0	0	0	0	0	6
10:00	0	1	4	1	0	0	0	0	0	0	0	0	0	0	6
11:00	0	1	1	2	1	1	0	0	0	0	0	0	0	0	6
12 PM	2	0	5	2	2	0	0	0	0	0	0	0	0	0	11
13:00	0	2	2	1	0	0	0	1	0	0	0	0	0	0	6
14:00	0	1	3	1	1	0	0	0	0	0	0	0	0	0	6
15:00	0	1	1	3	1	2	0	0	0	0	0	0	0	0	8
16:00	2	3	1	8	1	0	0	0	0	0	0	0	0	0	15
17:00	0	0	2	2	0	0	0	0	0	0	0	0	0	0	4
18:00	0	0	2	2	1	0	0	0	0	0	0	0	0	0	5
19:00	0	1	5	0	0	2	0	0	0	0	0	0	0	0	8
20:00	2	0	1	1	0	0	0	0	0	0	0	0	0	0	4
21:00	1	0	2	0	2	0	1	0	0	0	0	0	0	0	6
22:00	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
23:00	1	1	0	1	0	0	0	0	0	0	0	0	0	0	3
Total	8	14	36	36	13	5	1	1	0	0	0	0	0	0	114

Daily
 15th Percentile : 18 MPH
 50th Percentile : 24 MPH
 85th Percentile : 31 MPH
 95th Percentile : 36 MPH

Statistics
 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 72
 Percent in Pace : 63.2%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Wilkes Place - Velasquez Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS003
 Site Code: 999-24366

Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
04/29/24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
05:00	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2
06:00	2	2	1	2	0	0	0	0	0	0	0	0	0	0	7
07:00	1	1	2	7	1	0	0	0	0	0	0	0	0	0	12
08:00	0	2	5	9	6	0	0	0	0	0	0	0	0	0	22
09:00	2	1	2	5	0	0	0	0	0	0	0	0	0	0	10
10:00	1	0	1	2	2	0	0	0	0	0	0	0	0	0	6
11:00	3	0	4	0	2	1	0	0	0	0	0	0	0	0	10
12 PM	2	4	5	2	1	0	0	0	0	0	0	0	0	0	14
13:00	2	1	1	4	2	0	0	0	0	0	0	0	0	0	10
14:00	2	4	6	5	1	1	0	0	0	0	0	0	0	0	19
15:00	1	0	5	3	2	3	0	0	0	0	0	0	0	0	14
16:00	1	0	3	3	5	0	0	0	0	0	0	0	0	0	12
17:00	3	1	4	7	4	1	1	0	0	0	0	0	0	0	21
18:00	3	0	6	6	2	0	0	0	0	0	0	0	0	0	17
19:00	1	1	8	1	1	0	0	0	0	0	0	0	0	0	12
20:00	0	2	3	2	0	0	0	0	0	0	0	0	0	0	7
21:00	0	0	1	1	0	1	0	0	0	0	0	0	0	0	3
22:00	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
23:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
Total	25	21	59	60	30	7	1	0	0	0	0	0	0	0	203

Daily
 15th Percentile : 16 MPH
 50th Percentile : 24 MPH
 85th Percentile : 31 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 24 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 119
 Percent in Pace : 58.6%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Wilkes Place - Velasquez Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS003
 Site Code: 999-24366

Eastbound, Westbound

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999		
04/26/24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
05:00	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	4
06:00	0	2	2	3	3	2	0	0	0	0	0	0	0	0	0	12
07:00	1	1	3	5	7	0	1	1	0	0	0	0	0	0	0	19
08:00	4	5	22	15	3	3	0	0	0	0	0	0	0	0	0	52
09:00	0	2	3	2	0	0	0	0	0	0	0	0	0	0	0	7
10:00	0	2	5	2	2	0	0	0	0	0	0	0	0	0	0	11
11:00	1	1	6	10	1	2	0	0	0	0	0	0	0	0	0	21
12 PM	7	4	0	7	5	2	0	0	0	0	0	0	0	0	0	25
13:00	1	3	5	4	1	1	0	0	0	0	0	0	0	0	0	15
14:00	3	6	14	13	8	0	0	0	0	0	0	0	0	0	0	44
15:00	0	1	9	12	8	3	0	0	0	0	0	0	0	0	0	33
16:00	0	3	6	4	10	1	0	0	0	0	0	0	0	0	0	24
17:00	5	4	8	6	4	0	0	0	0	0	0	0	0	0	0	27
18:00	1	2	11	0	3	0	1	0	0	0	0	0	0	0	0	18
19:00	0	3	3	10	3	1	0	1	0	0	0	0	0	0	0	21
20:00	1	5	7	4	1	1	0	0	0	0	0	0	0	0	0	19
21:00	0	2	4	2	3	1	0	0	0	0	0	0	0	0	0	12
22:00	3	0	2	3	1	0	0	0	0	0	0	0	0	0	0	9
23:00	0	1	2	1	1	0	0	0	0	0	0	0	0	0	0	5
Total	28	48	114	104	65	17	2	2	0	0	0	0	0	0	0	380

Daily
 15th Percentile : 18 MPH
 50th Percentile : 24 MPH
 85th Percentile : 32 MPH
 95th Percentile : 35 MPH

Statistics
 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 218
 Percent in Pace : 57.4%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Wilkes Place - Velasquez Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS003
 Site Code: 999-24366

Eastbound, Westbound

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999		
04/27/24	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	3
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	4
06:00	1	2	2	3	1	0	0	0	0	0	0	0	0	0	0	9
07:00	0	0	5	3	1	0	0	0	0	0	0	0	0	0	0	9
08:00	2	4	1	3	0	2	0	0	0	0	0	0	0	0	0	12
09:00	0	2	3	6	4	0	0	0	0	0	0	0	0	0	0	15
10:00	5	1	4	7	4	0	0	0	0	0	0	0	0	0	0	21
11:00	5	2	3	6	3	1	0	0	0	0	0	0	0	0	0	20
12 PM	6	4	2	5	7	0	0	0	0	0	0	0	0	0	0	24
13:00	3	4	9	5	7	0	1	0	0	0	0	0	0	0	0	29
14:00	0	1	7	10	3	1	0	0	0	0	0	0	0	0	0	22
15:00	3	2	8	4	2	0	0	0	0	0	0	0	0	0	0	19
16:00	0	1	6	11	3	0	0	0	0	0	0	0	0	0	0	21
17:00	8	1	8	8	3	0	0	0	0	0	0	0	0	0	0	28
18:00	1	4	5	7	2	1	0	0	0	0	0	0	0	0	0	20
19:00	0	3	2	5	1	0	0	0	0	0	0	0	0	0	0	11
20:00	2	1	2	1	2	2	0	0	0	0	0	0	0	0	0	10
21:00	0	0	4	3	0	0	0	0	0	0	0	0	0	0	0	7
22:00	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	4
23:00	0	1	2	2	1	0	0	0	0	0	0	0	0	0	0	6
Total	37	36	78	92	44	7	1	0	0	0	0	0	0	0	0	295

Daily
 15th Percentile : 16 MPH
 50th Percentile : 24 MPH
 85th Percentile : 30 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 24 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 170
 Percent in Pace : 57.6%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Wilkes Place - Velasquez Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS003
 Site Code: 999-24366

Eastbound, Westbound

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999		
04/28/24	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	4
01:00	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	3
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	3
06:00	0	0	1	4	0	0	0	0	0	0	0	0	0	0	0	5
07:00	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	4
08:00	0	3	5	6	3	1	0	0	0	0	0	0	0	0	0	18
09:00	1	2	3	3	4	1	0	0	0	0	0	0	0	0	0	14
10:00	0	2	6	4	1	0	0	0	0	0	0	0	0	0	0	13
11:00	1	2	3	3	2	1	0	0	0	0	0	0	0	0	0	12
12 PM	2	2	8	3	4	0	0	0	0	0	0	0	0	0	0	19
13:00	0	3	5	3	2	0	0	1	0	0	0	0	0	0	0	14
14:00	1	1	7	5	2	1	0	0	0	0	0	0	0	0	0	17
15:00	2	2	1	6	4	2	0	0	0	0	0	0	0	0	0	17
16:00	2	3	4	10	2	0	0	0	0	0	0	0	0	0	0	21
17:00	0	0	7	5	0	0	1	0	0	0	0	0	0	0	0	13
18:00	0	0	6	6	2	0	0	0	0	0	0	0	0	0	0	14
19:00	0	3	7	3	1	3	0	0	0	0	0	0	0	0	0	17
20:00	2	1	2	1	0	0	0	0	0	0	0	0	0	0	0	6
21:00	2	0	4	1	3	0	1	0	0	0	0	0	0	0	0	11
22:00	0	2	1	1	1	0	0	0	1	0	0	0	0	0	0	6
23:00	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	4
Total	17	28	75	68	35	9	2	1	1	0	0	0	0	0	0	236

Daily
 15th Percentile : 18 MPH
 50th Percentile : 24 MPH
 85th Percentile : 31 MPH
 95th Percentile : 35 MPH

Statistics
 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 143
 Percent in Pace : 60.6%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Wilkes Place - Velasquez Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS003
 Site Code: 999-24366

Eastbound, Westbound

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
	15	20	25	30	35	40	45	50	55	60	65	70	75	999		
04/29/24	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	3
05:00	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	5
06:00	3	2	2	2	1	0	0	0	0	0	0	0	0	0	0	10
07:00	1	2	5	11	3	1	0	0	0	0	0	0	0	0	0	23
08:00	0	4	14	22	10	0	0	0	0	0	0	0	0	0	0	50
09:00	2	3	8	9	2	1	0	0	0	0	0	0	0	0	0	25
10:00	2	1	4	4	5	0	0	0	0	0	0	0	0	0	0	16
11:00	3	2	10	3	3	2	0	0	0	0	0	0	0	0	0	23
12 PM	5	5	7	4	3	1	0	0	0	0	0	0	0	0	0	25
13:00	3	3	1	7	6	0	0	0	0	0	0	0	0	0	0	20
14:00	3	5	12	15	5	1	0	0	0	0	0	0	0	0	0	41
15:00	3	1	9	5	5	3	0	0	0	0	0	0	0	0	0	26
16:00	5	5	7	8	8	0	0	0	0	0	0	0	0	0	0	33
17:00	5	3	12	12	6	2	1	0	0	0	0	0	0	0	0	41
18:00	5	2	8	11	3	0	0	0	0	0	0	0	0	0	0	29
19:00	2	4	10	2	3	0	0	0	0	0	0	0	0	0	0	21
20:00	0	3	6	3	0	0	0	0	0	0	0	0	0	0	0	12
21:00	0	0	2	1	0	1	0	0	0	0	0	0	0	0	0	4
22:00	1	1	2	0	1	0	0	0	0	0	0	0	0	0	0	5
23:00	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	3
Total	44	48	124	121	66	12	1	0	0	0	0	0	0	0	0	416

Daily
 15th Percentile : 16 MPH
 50th Percentile : 24 MPH
 85th Percentile : 31 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 24 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 245
 Percent in Pace : 58.9%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Velasquez Road - Las Bolsas Street
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS002
 Site Code: 999-24366

Eastbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
04/26/24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	2	1	2	5	2	0	0	0	0	0	0	0	0	0	12
08:00	1	2	5	4	2	0	0	0	0	0	0	0	0	0	14
09:00	1	0	0	2	1	0	0	0	0	0	0	0	0	0	4
10:00	0	3	4	3	1	1	0	0	0	0	0	0	0	0	12
11:00	3	0	1	3	4	0	0	0	0	0	0	0	0	0	11
12 PM	1	1	4	0	5	0	0	0	0	0	0	0	0	0	11
13:00	0	0	3	3	6	2	0	0	0	0	0	0	0	0	14
14:00	3	1	4	8	8	3	0	0	0	0	0	0	0	0	27
15:00	0	1	4	1	5	1	1	0	0	0	0	0	0	0	13
16:00	1	1	2	4	5	2	0	0	0	0	0	0	0	0	15
17:00	0	0	7	6	3	0	0	0	0	0	0	0	0	0	16
18:00	1	1	5	3	1	0	0	0	0	0	0	0	0	0	11
19:00	1	5	4	3	1	0	0	0	0	0	0	0	0	0	14
20:00	0	1	3	3	1	0	0	0	0	0	0	0	0	0	8
21:00	0	3	3	0	2	0	0	0	0	0	0	0	0	0	8
22:00	0	1	2	4	0	0	0	0	0	0	0	0	0	0	7
23:00	1	0	2	2	1	0	0	0	0	0	0	0	0	0	6
Total	15	21	55	54	48	10	1	0	0	0	0	0	0	0	204

Daily
 15th Percentile : 18 MPH
 50th Percentile : 26 MPH
 85th Percentile : 32 MPH
 95th Percentile : 35 MPH

Statistics
 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 109
 Percent in Pace : 53.4%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Velasquez Road - Las Bolsas Street
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS002
 Site Code: 999-24366

Eastbound

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total
Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	
04/27/24	0	0	1	1	2	0	0	0	0	0	0	0	0	0	4
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	1	0	0	0	1	0	0	0	0	0	0	0	0	2
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
07:00	1	1	1	3	0	0	0	0	0	0	0	0	0	0	6
08:00	1	3	4	2	0	0	0	0	0	0	0	0	0	0	10
09:00	0	2	3	0	0	0	0	0	0	0	0	0	0	0	5
10:00	3	1	1	3	3	0	0	0	0	0	0	0	0	0	11
11:00	1	3	5	5	1	1	0	0	0	0	0	0	0	0	16
12 PM	5	2	7	4	3	1	0	0	0	0	0	0	0	0	22
13:00	1	2	2	5	6	0	0	0	0	0	0	0	0	0	16
14:00	0	1	1	6	1	1	0	0	0	0	0	0	0	0	10
15:00	0	1	1	2	3	2	0	0	0	0	0	0	0	0	9
16:00	0	1	5	4	2	0	0	0	0	0	0	0	0	0	12
17:00	0	4	3	7	3	0	0	0	0	0	0	0	0	0	17
18:00	1	2	4	6	5	2	0	0	0	0	0	0	0	0	20
19:00	0	1	2	4	1	0	0	0	0	0	0	0	0	0	8
20:00	0	1	1	3	0	0	0	0	0	0	0	0	0	0	5
21:00	0	1	2	3	1	1	0	0	0	0	0	0	0	0	8
22:00	0	0	4	3	1	1	0	0	0	0	0	0	0	0	9
23:00	0	0	3	1	0	0	0	0	0	0	0	0	0	0	4
Total	15	27	50	62	32	10	0	0	0	0	0	0	0	0	196

Daily
 15th Percentile : 17 MPH
 50th Percentile : 25 MPH
 85th Percentile : 31 MPH
 95th Percentile : 35 MPH

Statistics
 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 112
 Percent in Pace : 57.1%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Velasquez Road - Las Bolsas Street
 4 Day Directional Speed Survey

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 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS002
 Site Code: 999-24366

Eastbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
04/28/24	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
02:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	1	1	1	0	0	0	0	0	0	0	0	0	3
06:00	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3
07:00	0	1	1	1	0	0	0	0	0	0	0	0	0	0	3
08:00	0	2	1	2	0	0	0	0	0	0	0	0	0	0	5
09:00	1	2	5	2	1	0	0	0	0	0	0	0	0	0	11
10:00	0	1	3	1	2	0	1	0	0	0	0	0	0	0	8
11:00	1	0	3	3	3	1	0	0	0	0	0	0	0	0	11
12 PM	2	1	2	4	2	0	0	0	0	0	0	0	0	0	11
13:00	0	0	3	4	4	2	0	0	0	0	0	0	0	0	13
14:00	3	2	2	1	1	2	0	0	0	0	0	0	0	0	11
15:00	2	0	4	2	3	0	0	0	0	0	0	0	0	0	11
16:00	1	0	5	3	5	1	1	0	0	0	0	0	0	0	16
17:00	0	1	2	6	6	0	0	0	0	0	0	0	0	0	15
18:00	2	2	1	5	2	0	0	0	0	0	0	0	0	0	12
19:00	0	1	4	3	1	0	0	0	0	0	0	0	0	0	9
20:00	0	0	4	2	3	0	0	0	0	0	0	0	0	0	9
21:00	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2
22:00	0	0	1	2	1	0	0	0	0	0	0	0	0	0	4
23:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Total	14	13	46	44	35	7	2	0	0	0	0	0	0	0	161

Daily
 15th Percentile : 18 MPH
 50th Percentile : 25 MPH
 85th Percentile : 32 MPH
 95th Percentile : 35 MPH

Statistics
 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 90
 Percent in Pace : 55.9%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Velasquez Road - Las Bolsas Street
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS002
 Site Code: 999-24366

Eastbound

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999		
04/29/24	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
06:00	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	2
07:00	1	2	4	2	0	0	0	0	0	0	0	0	0	0	0	9
08:00	2	1	3	1	2	0	0	0	0	0	0	0	0	0	0	9
09:00	0	2	3	3	0	0	0	0	0	0	0	0	0	0	0	8
10:00	0	2	0	3	4	0	0	0	0	0	0	0	0	0	0	9
11:00	1	0	3	1	2	0	0	0	0	0	0	0	0	0	0	7
12 PM	0	1	0	6	3	1	0	0	0	0	0	0	0	0	0	11
13:00	2	2	1	4	2	3	0	0	0	0	0	0	0	0	0	14
14:00	3	2	3	4	6	1	1	0	0	0	0	0	0	0	0	20
15:00	1	1	4	2	6	1	0	0	0	0	0	0	0	0	0	15
16:00	1	3	9	7	6	1	0	0	0	0	0	0	0	0	0	27
17:00	0	1	5	4	7	1	0	0	0	0	0	0	0	0	0	18
18:00	0	1	4	4	2	0	0	0	0	0	0	0	0	0	0	11
19:00	1	2	3	4	2	0	0	0	0	0	0	0	0	0	0	12
20:00	1	0	2	3	2	0	0	0	0	0	0	0	0	0	0	8
21:00	0	0	1	5	0	0	0	0	0	0	0	0	0	0	0	6
22:00	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	2
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	13	23	46	53	45	8	1	0	0	0	1	0	0	0	0	190

Daily
 15th Percentile : 18 MPH
 50th Percentile : 26 MPH
 85th Percentile : 32 MPH
 95th Percentile : 35 MPH

Statistics
 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 99
 Percent in Pace : 52.1%
 Number of Vehicles > 55 MPH : 1
 Percent of Vehicles > 55 MPH : 0.5%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Velasquez Road - Las Bolsas Street
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS002
 Site Code: 999-24366

Westbound

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999		
04/26/24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	1	2	1	1	0	0	0	0	0	0	0	0	0	0	5
07:00	2	3	6	10	4	1	0	0	0	0	0	0	0	0	0	26
08:00	2	2	7	7	7	1	0	0	0	0	0	0	0	0	0	26
09:00	1	0	5	4	0	0	0	0	0	0	0	0	0	0	0	10
10:00	1	2	4	0	0	0	0	0	0	0	0	0	0	0	0	7
11:00	1	2	1	4	4	1	0	0	0	0	0	0	0	0	0	13
12 PM	1	0	3	4	3	0	0	0	0	0	0	0	0	0	0	11
13:00	0	0	4	3	1	0	0	0	0	0	0	0	0	0	0	8
14:00	0	2	3	5	7	1	0	0	0	0	0	0	0	0	0	18
15:00	0	1	3	8	1	0	0	0	0	0	0	0	0	0	0	13
16:00	0	1	8	4	3	0	0	0	0	0	0	0	0	0	0	16
17:00	1	1	6	11	0	0	0	0	0	0	0	0	0	0	0	19
18:00	1	0	7	3	0	0	0	0	0	0	0	0	0	0	0	11
19:00	2	2	1	1	0	1	0	0	0	0	0	0	0	0	0	7
20:00	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	4
21:00	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	3
22:00	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	3
23:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
Total	14	18	62	71	32	5	0	0	0	0	0	0	0	0	0	202

Daily
 15th Percentile : 19 MPH
 50th Percentile : 25 MPH
 85th Percentile : 31 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 133
 Percent in Pace : 65.8%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Velasquez Road - Las Bolsas Street
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS002
 Site Code: 999-24366

Westbound

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total
Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	
04/27/24	0	0	2	1	1	1	0	0	0	0	0	0	0	0	5
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	2	1	1	0	0	0	0	0	0	0	0	0	4
07:00	1	1	2	2	2	0	0	0	0	0	0	0	0	0	8
08:00	0	0	0	3	2	0	0	0	0	0	0	0	0	0	5
09:00	0	1	5	8	1	0	0	0	0	0	0	0	0	0	15
10:00	4	0	1	5	4	0	0	0	0	0	0	0	0	0	14
11:00	0	1	2	5	2	1	0	0	0	0	0	0	0	0	11
12 PM	5	5	5	4	1	0	0	0	0	0	0	0	0	0	20
13:00	7	2	4	5	3	0	0	0	0	0	0	0	0	0	21
14:00	0	2	2	2	5	0	0	0	0	0	0	0	0	0	11
15:00	1	1	2	6	1	0	0	0	0	0	0	0	0	0	11
16:00	0	1	4	6	2	0	0	0	0	0	0	0	0	0	13
17:00	0	2	3	4	2	0	0	0	0	0	0	0	0	0	11
18:00	0	0	9	2	2	1	0	0	0	0	0	0	0	0	14
19:00	1	0	1	0	1	0	0	0	0	0	0	0	0	0	3
20:00	1	1	2	2	1	0	0	0	0	0	0	0	0	0	7
21:00	0	1	1	1	2	0	0	0	0	0	0	0	0	0	5
22:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
23:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
Total	20	19	49	58	33	3	0	0	0	0	0	0	0	0	182

Daily
 15th Percentile : 16 MPH
 50th Percentile : 25 MPH
 85th Percentile : 31 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 24 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 107
 Percent in Pace : 58.8%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Velasquez Road - Las Bolsas Street
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS002
 Site Code: 999-24366

Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
04/28/24	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
06:00	1	0	2	0	0	0	0	0	0	0	0	0	0	0	3
07:00	0	0	1	2	1	0	0	0	0	0	0	0	0	0	4
08:00	1	1	4	3	2	0	0	0	0	0	0	0	0	0	11
09:00	1	1	1	3	2	2	0	0	0	0	0	0	0	0	10
10:00	0	3	1	2	4	1	0	0	0	0	0	0	0	0	11
11:00	1	2	3	4	2	1	0	0	0	0	0	0	0	0	13
12 PM	0	0	2	6	1	0	1	0	0	0	0	0	0	0	10
13:00	1	1	3	4	2	2	0	0	0	0	0	0	0	0	13
14:00	1	0	3	4	2	0	0	0	0	0	0	0	0	0	10
15:00	3	2	3	1	1	0	0	0	0	0	0	0	0	0	10
16:00	0	2	6	5	1	0	0	0	0	0	0	0	0	0	14
17:00	0	5	3	2	0	0	0	0	0	0	0	0	0	0	10
18:00	2	3	5	3	0	0	0	0	0	0	0	0	0	0	13
19:00	0	2	5	1	1	0	0	0	0	0	0	0	0	0	9
20:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
21:00	0	0	2	0	3	1	0	0	0	0	0	0	0	0	6
22:00	0	0	1	2	1	0	0	0	0	0	0	0	0	0	4
23:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
Total	11	22	48	44	27	7	1	0	0	0	0	0	0	0	160

Daily
 15th Percentile : 17 MPH
 50th Percentile : 24 MPH
 85th Percentile : 32 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 92
 Percent in Pace : 57.5%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Velasquez Road - Las Bolsas Street
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS002
 Site Code: 999-24366

Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
04/29/24	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	1	1	1	0	0	0	0	0	0	0	0	0	0	3
06:00	1	2	4	0	1	0	0	0	0	0	0	0	0	0	8
07:00	0	1	2	5	4	1	0	0	0	0	0	0	0	0	13
08:00	1	2	6	12	7	2	0	0	0	0	0	0	0	0	30
09:00	0	3	6	6	3	1	0	0	0	0	0	0	0	0	19
10:00	3	1	2	1	1	0	0	0	0	0	0	0	0	0	8
11:00	0	0	4	1	2	0	0	0	0	0	0	0	0	0	7
12 PM	1	1	4	8	1	0	0	0	0	0	0	0	0	0	15
13:00	1	1	4	3	0	0	0	0	0	0	0	0	0	0	9
14:00	2	4	4	5	6	2	0	0	0	0	0	0	0	0	23
15:00	0	2	2	6	4	0	0	0	0	0	0	0	0	0	14
16:00	2	1	4	2	2	0	0	0	0	0	0	0	0	0	11
17:00	5	1	4	4	1	0	0	0	0	0	0	0	0	0	15
18:00	0	1	6	5	4	1	0	0	0	0	0	0	0	0	17
19:00	0	4	6	3	0	0	0	0	0	0	0	0	0	0	13
20:00	0	1	1	4	0	1	0	0	0	0	0	0	0	0	7
21:00	0	1	0	1	0	0	0	1	0	0	0	0	0	0	3
22:00	0	1	1	1	1	0	0	0	0	0	0	0	0	0	4
23:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Total	16	28	61	70	38	8	0	1	0	0	0	0	0	0	222

Daily
 15th Percentile : 18 MPH
 50th Percentile : 25 MPH
 85th Percentile : 31 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 131
 Percent in Pace : 59.0%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Velasquez Road - Las Bolsas Street
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS002
 Site Code: 999-24366

Eastbound, Westbound

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
	15	20	25	30	35	40	45	50	55	60	65	70	75			
04/26/24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	1	2	1	1	0	0	0	0	0	0	0	0	0	0	5
07:00	4	4	8	15	6	1	0	0	0	0	0	0	0	0	0	38
08:00	3	4	12	11	9	1	0	0	0	0	0	0	0	0	0	40
09:00	2	0	5	6	1	0	0	0	0	0	0	0	0	0	0	14
10:00	1	5	8	3	1	1	0	0	0	0	0	0	0	0	0	19
11:00	4	2	2	7	8	1	0	0	0	0	0	0	0	0	0	24
12 PM	2	1	7	4	8	0	0	0	0	0	0	0	0	0	0	22
13:00	0	0	7	6	7	2	0	0	0	0	0	0	0	0	0	22
14:00	3	3	7	13	15	4	0	0	0	0	0	0	0	0	0	45
15:00	0	2	7	9	6	1	1	0	0	0	0	0	0	0	0	26
16:00	1	2	10	8	8	2	0	0	0	0	0	0	0	0	0	31
17:00	1	1	13	17	3	0	0	0	0	0	0	0	0	0	0	35
18:00	2	1	12	6	1	0	0	0	0	0	0	0	0	0	0	22
19:00	3	7	5	4	1	1	0	0	0	0	0	0	0	0	0	21
20:00	0	1	4	6	1	0	0	0	0	0	0	0	0	0	0	12
21:00	0	4	3	2	2	0	0	0	0	0	0	0	0	0	0	11
22:00	1	1	3	4	1	0	0	0	0	0	0	0	0	0	0	10
23:00	1	0	2	3	1	0	0	0	0	0	0	0	0	0	0	7
Total	29	39	117	125	80	15	1	0	0	0	0	0	0	0	0	406

Daily
 15th Percentile : 19 MPH
 50th Percentile : 25 MPH
 85th Percentile : 32 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 242
 Percent in Pace : 59.6%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Velasquez Road - Las Bolsas Street
 4 Day Directional Speed Survey

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 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS002
 Site Code: 999-24366

Eastbound, Westbound

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
	15	20	25	30	35	40	45	50	55	60	65	70	75	999		
04/27/24	0	0	3	2	3	1	0	0	0	0	0	0	0	0	0	9
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	3
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	2	0	2	1	1	0	0	0	0	0	0	0	0	0	0	6
07:00	2	2	3	5	2	0	0	0	0	0	0	0	0	0	0	14
08:00	1	3	4	5	2	0	0	0	0	0	0	0	0	0	0	15
09:00	0	3	8	8	1	0	0	0	0	0	0	0	0	0	0	20
10:00	7	1	2	8	7	0	0	0	0	0	0	0	0	0	0	25
11:00	1	4	7	10	3	2	0	0	0	0	0	0	0	0	0	27
12 PM	10	7	12	8	4	1	0	0	0	0	0	0	0	0	0	42
13:00	8	4	6	10	9	0	0	0	0	0	0	0	0	0	0	37
14:00	0	3	3	8	6	1	0	0	0	0	0	0	0	0	0	21
15:00	1	2	3	8	4	2	0	0	0	0	0	0	0	0	0	20
16:00	0	2	9	10	4	0	0	0	0	0	0	0	0	0	0	25
17:00	0	6	6	11	5	0	0	0	0	0	0	0	0	0	0	28
18:00	1	2	13	8	7	3	0	0	0	0	0	0	0	0	0	34
19:00	1	1	3	4	2	0	0	0	0	0	0	0	0	0	0	11
20:00	1	2	3	5	1	0	0	0	0	0	0	0	0	0	0	12
21:00	0	2	3	4	3	1	0	0	0	0	0	0	0	0	0	13
22:00	0	0	5	3	1	1	0	0	0	0	0	0	0	0	0	10
23:00	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	5
Total	35	46	99	120	65	13	0	0	0	0	0	0	0	0	0	378

Daily
 15th Percentile : 17 MPH
 50th Percentile : 25 MPH
 85th Percentile : 31 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 219
 Percent in Pace : 57.9%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Velasquez Road - Las Bolsas Street
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS002
 Site Code: 999-24366

Eastbound, Westbound

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
	15	20	25	30	35	40	45	50	55	60	65	70	75			
04/28/24	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2
01:00	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	3
02:00	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	1	1	3	0	0	0	0	0	0	0	0	0	0	5
06:00	1	0	4	1	0	0	0	0	0	0	0	0	0	0	0	6
07:00	0	1	2	3	1	0	0	0	0	0	0	0	0	0	0	7
08:00	1	3	5	5	2	0	0	0	0	0	0	0	0	0	0	16
09:00	2	3	6	5	3	2	0	0	0	0	0	0	0	0	0	21
10:00	0	4	4	3	6	1	1	0	0	0	0	0	0	0	0	19
11:00	2	2	6	7	5	2	0	0	0	0	0	0	0	0	0	24
12 PM	2	1	4	10	3	0	1	0	0	0	0	0	0	0	0	21
13:00	1	1	6	8	6	4	0	0	0	0	0	0	0	0	0	26
14:00	4	2	5	5	3	2	0	0	0	0	0	0	0	0	0	21
15:00	5	2	7	3	4	0	0	0	0	0	0	0	0	0	0	21
16:00	1	2	11	8	6	1	1	0	0	0	0	0	0	0	0	30
17:00	0	6	5	8	6	0	0	0	0	0	0	0	0	0	0	25
18:00	4	5	6	8	2	0	0	0	0	0	0	0	0	0	0	25
19:00	0	3	9	4	2	0	0	0	0	0	0	0	0	0	0	18
20:00	0	0	5	2	3	0	0	0	0	0	0	0	0	0	0	10
21:00	0	0	3	0	3	2	0	0	0	0	0	0	0	0	0	8
22:00	0	0	2	4	2	0	0	0	0	0	0	0	0	0	0	8
23:00	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3
Total	25	35	94	88	62	14	3	0	0	0	0	0	0	0	0	321

Daily
 15th Percentile : 18 MPH
 50th Percentile : 25 MPH
 85th Percentile : 32 MPH
 95th Percentile : 35 MPH

Statistics
 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 182
 Percent in Pace : 56.7%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Velasquez Road - Las Bolsas Street
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

LHS002
 Site Code: 999-24366

Eastbound, Westbound

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total
	15	20	25	30	35	40	45	50	55	60	65	70	75	999	
04/29/24	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2
01:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	2	1	1	0	0	0	0	0	0	0	0	0	0	4
06:00	1	3	4	0	2	0	0	0	0	0	0	0	0	0	10
07:00	1	3	6	7	4	1	0	0	0	0	0	0	0	0	22
08:00	3	3	9	13	9	2	0	0	0	0	0	0	0	0	39
09:00	0	5	9	9	3	1	0	0	0	0	0	0	0	0	27
10:00	3	3	2	4	5	0	0	0	0	0	0	0	0	0	17
11:00	1	0	7	2	4	0	0	0	0	0	0	0	0	0	14
12 PM	1	2	4	14	4	1	0	0	0	0	0	0	0	0	26
13:00	3	3	5	7	2	3	0	0	0	0	0	0	0	0	23
14:00	5	6	7	9	12	3	1	0	0	0	0	0	0	0	43
15:00	1	3	6	8	10	1	0	0	0	0	0	0	0	0	29
16:00	3	4	13	9	8	1	0	0	0	0	0	0	0	0	38
17:00	5	2	9	8	8	1	0	0	0	0	0	0	0	0	33
18:00	0	2	10	9	6	1	0	0	0	0	0	0	0	0	28
19:00	1	6	9	7	2	0	0	0	0	0	0	0	0	0	25
20:00	1	1	3	7	2	1	0	0	0	0	0	0	0	0	15
21:00	0	1	1	6	0	0	0	1	0	0	0	0	0	0	9
22:00	0	1	2	1	1	0	0	0	0	0	1	0	0	0	6
23:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Total	29	51	107	123	83	16	1	1	0	0	1	0	0	0	412

Daily
 15th Percentile : 18 MPH
 50th Percentile : 25 MPH
 85th Percentile : 32 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 230
 Percent in Pace : 55.8%
 Number of Vehicles > 55 MPH : 1
 Percent of Vehicles > 55 MPH : 0.2%

Counts Unlimited, Inc.

City of Laguna Hills
 Wilkes Place
 B/ Alicia Parkway - Grissom Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: 951-268-6268
 email: counts@countsunlimited.com

LHS001
 Site Code: 241-251169

Northbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/12/25	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
01:00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
04:00	0	1	0	2	0	0	0	0	0	0	0	0	0	0	3
05:00	0	0	2	0	1	0	1	0	0	0	0	0	0	0	4
06:00	0	2	3	4	3	0	0	0	0	0	0	0	0	0	12
07:00	1	5	17	15	4	1	0	0	0	0	0	0	0	0	43
08:00	2	12	51	32	9	0	0	0	0	0	0	0	0	0	106
09:00	1	2	3	8	1	0	0	0	0	0	0	0	0	0	15
10:00	4	0	7	9	3	0	0	0	0	0	0	0	0	0	23
11:00	0	3	13	11	3	1	0	0	0	0	0	0	0	0	31
12 PM	0	1	7	13	2	0	0	0	0	0	0	0	0	0	23
13:00	1	0	8	7	2	0	0	0	0	0	0	0	0	0	18
14:00	1	1	26	40	8	1	0	0	0	0	0	0	0	0	77
15:00	0	3	9	7	4	1	0	0	0	0	0	0	0	0	24
16:00	5	9	7	6	2	0	0	0	0	0	0	0	0	0	29
17:00	1	1	6	3	1	0	0	0	0	0	0	0	0	0	12
18:00	1	4	12	6	1	0	0	0	0	0	0	0	0	0	24
19:00	0	6	8	3	2	0	0	0	0	0	0	0	0	0	19
20:00	1	1	6	2	2	0	1	0	0	0	0	0	0	0	13
21:00	0	0	6	1	0	0	0	0	0	0	0	0	0	0	7
22:00	1	4	3	1	0	0	0	0	0	0	0	0	0	0	9
23:00	0	1	0	1	1	0	0	0	0	0	0	0	0	0	3
Total	21	57	195	172	49	4	2	0	0	0	0	0	0	0	500

Daily
 15th Percentile : 19 MPH
 50th Percentile : 24 MPH
 85th Percentile : 29 MPH
 95th Percentile : 33 MPH

Statistics
 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 367
 Percent in Pace : 73.4%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Wilkes Place
 B/ Alicia Parkway - Grissom Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: 951-268-6268
 email: counts@countsunlimited.com

LHS001
 Site Code: 241-251169

Northbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/13/25	0	3	4	1	1	0	0	0	0	0	0	0	0	0	9
01:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
05:00	0	0	2	1	1	0	0	0	0	0	0	0	0	0	4
06:00	0	0	1	2	0	0	0	0	0	0	0	0	0	0	3
07:00	0	0	1	5	0	1	0	0	0	0	0	0	0	0	7
08:00	1	3	2	7	0	1	0	0	0	0	0	0	0	0	14
09:00	0	1	1	3	1	0	0	0	0	0	0	0	0	0	6
10:00	0	0	5	10	1	1	0	0	0	0	0	0	0	0	17
11:00	0	1	6	5	2	0	0	0	0	0	0	0	0	0	14
12 PM	2	1	3	7	0	1	0	0	0	0	0	0	0	0	14
13:00	2	0	4	12	3	0	0	0	0	0	0	0	0	0	21
14:00	0	2	7	9	2	0	0	0	0	0	0	0	0	0	20
15:00	1	2	7	9	3	1	0	0	0	0	0	0	0	0	23
16:00	2	1	2	8	4	0	0	0	0	0	0	0	0	0	17
17:00	0	2	5	9	2	0	0	0	0	0	0	0	0	0	18
18:00	0	2	8	5	1	0	0	0	0	0	0	0	0	0	16
19:00	1	0	5	3	1	0	0	0	0	0	0	0	0	0	10
20:00	0	0	2	3	3	0	0	0	0	0	0	0	0	0	8
21:00	0	1	3	6	0	0	0	0	0	0	0	0	0	0	10
22:00	1	0	1	3	0	0	0	0	0	0	0	0	0	0	5
23:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
Total	10	20	69	111	26	5	0	0	0	0	0	0	0	0	241

Daily
 15th Percentile : 20 MPH
 50th Percentile : 25 MPH
 85th Percentile : 29 MPH
 95th Percentile : 33 MPH

Statistics
 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 180
 Percent in Pace : 74.7%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Wilkes Place
 B/ Alicia Parkway - Grissom Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: 951-268-6268
 email: counts@countsunlimited.com

LHS001
 Site Code: 241-251169

Northbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/14/25	0	1	2	1	0	0	0	0	0	0	0	0	0	0	4
01:00	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
02:00	0	2	0	0	0	0	1	0	0	0	0	0	0	0	3
03:00	1	1	1	2	1	0	0	0	0	0	0	0	0	0	6
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	1	3	1	0	0	0	0	0	0	0	0	0	0	5
07:00	0	1	0	3	0	0	0	0	0	0	0	0	0	0	4
08:00	0	2	5	4	0	0	0	0	0	0	0	0	0	0	11
09:00	1	2	7	6	1	0	0	0	0	0	0	0	0	0	17
10:00	0	3	2	8	4	0	0	0	0	0	0	0	0	0	17
11:00	2	1	5	6	1	0	0	0	0	0	0	0	0	0	15
12 PM	3	3	8	10	0	0	0	0	0	0	0	0	0	0	24
13:00	1	1	8	6	2	2	0	0	0	0	0	0	0	0	20
14:00	2	1	6	7	1	0	0	0	0	0	0	0	0	0	17
15:00	0	1	7	4	1	0	0	0	0	0	0	0	0	0	13
16:00	1	1	4	5	1	0	0	0	0	0	0	0	0	0	12
17:00	2	3	12	6	1	0	0	0	0	0	0	0	0	0	24
18:00	1	2	1	1	1	0	0	0	0	0	0	0	0	0	6
19:00	1	0	6	2	0	0	0	0	0	0	0	0	0	0	9
20:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
21:00	1	2	1	0	0	0	0	0	0	0	0	0	0	0	4
22:00	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	16	29	80	75	15	2	1	0	0	0	0	0	0	0	218

Daily
 15th Percentile : 17 MPH
 50th Percentile : 23 MPH
 85th Percentile : 29 MPH
 95th Percentile : 32 MPH

Statistics
 Mean Speed(Average) : 24 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 155
 Percent in Pace : 71.1%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Wilkes Place
 B/ Alicia Parkway - Grissom Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: 951-268-6268
 email: counts@countsunlimited.com

LHS001
 Site Code: 241-251169

Northbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/15/25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
04:00	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
05:00	0	0	2	0	2	0	0	0	0	0	0	0	0	0	4
06:00	0	2	2	1	2	0	0	0	0	0	0	0	0	0	7
07:00	0	2	20	22	1	1	0	0	0	0	0	0	0	0	46
08:00	1	9	59	30	3	0	0	0	0	0	0	0	0	0	102
09:00	0	1	3	9	5	0	0	0	0	0	0	0	0	0	18
10:00	1	1	7	6	1	0	0	0	0	0	0	0	0	0	16
11:00	3	2	5	11	2	0	0	0	0	0	0	0	0	0	23
12 PM	0	2	9	4	2	0	0	0	0	0	0	0	0	0	17
13:00	0	3	7	10	1	0	0	0	0	0	0	0	0	0	21
14:00	3	3	44	42	7	0	0	0	0	0	0	0	0	0	99
15:00	2	1	7	10	0	1	0	0	0	0	0	0	0	0	21
16:00	1	3	7	12	3	0	0	0	0	0	0	0	0	0	26
17:00	2	3	11	15	2	0	0	0	0	0	0	0	0	0	33
18:00	1	3	2	1	0	0	0	0	0	0	0	0	0	0	7
19:00	0	1	6	3	0	0	0	0	0	0	0	0	0	0	10
20:00	0	3	1	1	1	0	0	0	0	0	0	0	0	0	6
21:00	0	0	1	2	0	0	0	0	0	0	0	0	0	0	3
22:00	1	0	4	0	1	0	0	0	0	0	0	0	0	0	6
23:00	1	0	0	1	0	0	0	0	0	0	0	0	0	0	2
Total	16	41	199	182	33	2	0	0	0	0	0	0	0	0	473

Daily
 15th Percentile : 20 MPH
 50th Percentile : 24 MPH
 85th Percentile : 29 MPH
 95th Percentile : 31 MPH

Statistics
 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 381
 Percent in Pace : 80.5%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Wilkes Place
 B/ Alicia Parkway - Grissom Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: 951-268-6268
 email: counts@countsunlimited.com

LHS001
 Site Code: 241-251169

Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/12/25	0	1	0	2	0	0	0	0	0	0	0	0	0	0	3
01:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3
06:00	1	1	2	1	1	0	0	0	0	0	0	0	0	0	6
07:00	1	1	7	9	4	0	0	0	0	0	0	0	0	0	22
08:00	0	0	0	10	5	1	0	0	0	0	0	0	0	0	16
09:00	2	0	0	4	2	0	0	0	0	0	0	0	0	0	8
10:00	0	2	3	8	2	0	0	0	0	0	0	0	0	0	15
11:00	0	0	2	5	4	1	0	0	0	0	0	0	0	0	12
12 PM	0	0	5	12	5	0	0	0	0	0	0	0	0	0	22
13:00	0	1	6	16	10	0	0	0	0	0	0	0	0	0	33
14:00	0	1	21	24	14	1	1	0	0	0	0	0	0	0	62
15:00	1	2	9	12	2	0	0	0	0	0	0	0	0	0	26
16:00	3	8	17	13	0	0	0	0	0	0	0	0	0	0	41
17:00	0	4	10	4	1	0	0	0	0	0	0	0	0	0	19
18:00	1	0	2	9	2	0	0	0	0	0	0	0	0	0	14
19:00	0	0	4	7	1	0	0	0	0	0	0	0	0	0	12
20:00	0	0	1	4	2	0	0	0	0	0	0	0	0	0	7
21:00	1	1	2	3	0	0	0	0	0	0	0	0	0	0	7
22:00	1	3	4	5	0	0	0	0	0	0	0	0	0	0	13
23:00	0	0	2	3	3	1	0	0	0	0	0	0	0	0	9
Total	11	25	101	152	58	4	1	0	0	0	0	0	0	0	352

Daily
 15th Percentile : 20 MPH
 50th Percentile : 26 MPH
 85th Percentile : 30 MPH
 95th Percentile : 33 MPH

Statistics
 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 253
 Percent in Pace : 71.9%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Wilkes Place
 B/ Alicia Parkway - Grissom Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: 951-268-6268
 email: counts@countsunlimited.com

LHS001
 Site Code: 241-251169

Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/13/25	0	0	3	0	1	0	0	0	0	0	0	0	0	0	4
01:00	1	0	2	1	0	0	0	0	0	0	0	0	0	0	4
02:00	1	0	0	1	0	0	0	0	0	0	0	0	0	0	2
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	2	4	2	0	0	0	0	0	0	0	0	0	0	8
06:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
07:00	0	1	1	2	0	0	0	0	0	0	0	0	0	0	4
08:00	0	0	2	1	2	0	0	0	0	0	0	0	0	0	5
09:00	1	2	1	2	2	0	0	0	0	0	0	0	0	0	8
10:00	0	0	2	7	0	0	0	0	0	0	0	0	0	0	9
11:00	0	3	12	11	2	0	0	0	0	0	0	0	0	0	28
12 PM	2	2	9	25	11	0	0	0	0	0	0	0	0	0	49
13:00	1	2	6	10	6	2	0	0	0	0	0	0	0	0	27
14:00	1	0	7	13	3	1	0	0	0	0	0	0	0	0	25
15:00	1	3	12	22	5	0	0	0	0	0	0	0	0	0	43
16:00	0	1	5	11	1	1	0	0	0	0	0	0	0	0	19
17:00	2	1	13	8	1	0	0	0	0	0	0	0	0	0	25
18:00	0	2	6	5	3	0	0	0	0	0	0	0	0	0	16
19:00	0	5	1	7	3	0	0	0	0	0	0	0	0	0	16
20:00	0	3	8	1	0	0	0	0	0	0	0	0	0	0	12
21:00	0	1	7	3	1	0	0	0	0	0	0	0	0	0	12
22:00	1	0	4	3	1	0	0	0	0	0	0	0	0	0	9
23:00	0	1	3	3	0	0	0	0	0	0	0	0	0	0	7
Total	11	30	109	138	42	4	0	0	0	0	0	0	0	0	334

Daily
 15th Percentile : 20 MPH
 50th Percentile : 25 MPH
 85th Percentile : 29 MPH
 95th Percentile : 33 MPH

Statistics
 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 247
 Percent in Pace : 74.0%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Wilkes Place
 B/ Alicia Parkway - Grissom Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: 951-268-6268
 email: counts@countsunlimited.com

LHS001
 Site Code: 241-251169

Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/14/25	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
01:00	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
02:00	1	0	1	1	0	0	0	0	0	0	0	0	0	0	3
03:00	2	1	2	1	0	0	0	0	0	0	0	0	0	0	6
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
06:00	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3
07:00	0	0	3	1	0	0	0	0	0	0	0	0	0	0	4
08:00	0	1	2	4	0	0	0	0	0	0	0	0	0	0	7
09:00	1	0	4	4	2	0	0	0	0	0	0	0	0	0	11
10:00	0	1	3	4	2	0	0	0	0	0	0	0	0	0	10
11:00	0	0	2	5	0	1	0	0	0	0	0	0	0	0	8
12 PM	0	3	6	7	1	0	0	0	0	0	0	0	0	0	17
13:00	0	2	5	7	4	0	0	0	0	0	0	0	0	0	18
14:00	3	0	2	4	0	0	0	0	0	0	0	0	0	0	9
15:00	3	2	9	5	1	0	0	0	0	0	0	0	0	0	20
16:00	0	0	5	6	5	0	0	0	0	0	0	0	0	0	16
17:00	0	0	8	4	4	0	0	0	0	0	0	0	0	0	16
18:00	2	3	4	0	1	0	0	0	0	0	0	0	0	0	10
19:00	0	0	5	3	5	0	0	0	0	0	0	0	0	0	13
20:00	0	0	3	2	1	1	0	0	0	0	0	0	0	0	7
21:00	0	1	3	3	1	0	0	0	0	0	0	0	0	0	8
22:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
23:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
Total	12	15	70	68	28	2	0	0	0	0	0	0	0	0	195

Daily
 15th Percentile : 20 MPH
 50th Percentile : 25 MPH
 85th Percentile : 30 MPH
 95th Percentile : 33 MPH

Statistics
 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 138
 Percent in Pace : 70.8%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Wilkes Place
 B/ Alicia Parkway - Grissom Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: 951-268-6268
 email: counts@countsunlimited.com

LHS001
 Site Code: 241-251169

Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/15/25	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
05:00	0	1	2	1	0	0	0	0	0	0	0	0	0	0	4
06:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
07:00	1	2	5	6	1	0	0	0	0	0	0	0	0	0	15
08:00	1	1	7	8	1	0	0	0	0	0	0	0	0	0	18
09:00	0	3	8	3	0	0	0	0	0	0	0	0	0	0	14
10:00	1	2	2	2	3	0	0	0	0	0	0	0	0	0	10
11:00	1	0	2	3	3	0	0	0	0	0	0	0	0	0	9
12 PM	0	0	4	2	5	0	0	0	0	0	0	0	0	0	11
13:00	1	1	5	6	5	1	0	0	0	0	0	0	0	0	19
14:00	1	0	9	20	13	1	0	0	0	0	0	0	0	0	44
15:00	0	0	1	9	4	2	0	0	0	0	0	0	0	0	16
16:00	1	1	5	9	4	0	0	0	0	0	0	0	0	0	20
17:00	1	1	9	8	3	1	0	0	0	0	0	0	0	0	23
18:00	1	1	5	10	3	1	0	0	0	0	0	0	0	0	21
19:00	0	1	4	6	4	1	0	0	0	0	0	0	0	0	16
20:00	0	2	6	3	1	0	0	0	0	0	0	0	0	0	12
21:00	0	1	0	4	1	0	0	0	0	0	0	0	0	0	6
22:00	1	1	3	1	1	1	0	0	0	0	0	0	0	0	8
23:00	1	0	0	0	2	0	0	0	0	0	0	0	0	0	3
Total	11	18	81	102	54	8	0	0	0	0	0	0	0	0	274

Daily
 15th Percentile : 20 MPH
 50th Percentile : 26 MPH
 85th Percentile : 31 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 183
 Percent in Pace : 66.8%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Wilkes Place
 B/ Alicia Parkway - Grissom Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: 951-268-6268
 email: counts@countsunlimited.com

LHS001
 Site Code: 241-251169

Northbound, Southbound

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total
Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	
12/12/25	0	1	0	3	0	0	0	0	0	0	0	0	0	0	4
01:00	2	0	1	1	0	0	0	0	0	0	0	0	0	0	4
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
04:00	0	1	0	2	0	0	0	0	0	0	0	0	0	0	3
05:00	0	0	5	0	1	0	1	0	0	0	0	0	0	0	7
06:00	1	3	5	5	4	0	0	0	0	0	0	0	0	0	18
07:00	2	6	24	24	8	1	0	0	0	0	0	0	0	0	65
08:00	2	12	51	42	14	1	0	0	0	0	0	0	0	0	122
09:00	3	2	3	12	3	0	0	0	0	0	0	0	0	0	23
10:00	4	2	10	17	5	0	0	0	0	0	0	0	0	0	38
11:00	0	3	15	16	7	2	0	0	0	0	0	0	0	0	43
12 PM	0	1	12	25	7	0	0	0	0	0	0	0	0	0	45
13:00	1	1	14	23	12	0	0	0	0	0	0	0	0	0	51
14:00	1	2	47	64	22	2	1	0	0	0	0	0	0	0	139
15:00	1	5	18	19	6	1	0	0	0	0	0	0	0	0	50
16:00	8	17	24	19	2	0	0	0	0	0	0	0	0	0	70
17:00	1	5	16	7	2	0	0	0	0	0	0	0	0	0	31
18:00	2	4	14	15	3	0	0	0	0	0	0	0	0	0	38
19:00	0	6	12	10	3	0	0	0	0	0	0	0	0	0	31
20:00	1	1	7	6	4	0	1	0	0	0	0	0	0	0	20
21:00	1	1	8	4	0	0	0	0	0	0	0	0	0	0	14
22:00	2	7	7	6	0	0	0	0	0	0	0	0	0	0	22
23:00	0	1	2	4	4	1	0	0	0	0	0	0	0	0	12
Total	32	82	296	324	107	8	3	0	0	0	0	0	0	0	852

Daily
 15th Percentile : 20 MPH
 50th Percentile : 25 MPH
 85th Percentile : 29 MPH
 95th Percentile : 33 MPH

Statistics
 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 620
 Percent in Pace : 72.8%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Wilkes Place
 B/ Alicia Parkway - Grissom Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: 951-268-6268
 email: counts@countsunlimited.com

LHS001
 Site Code: 241-251169

Northbound, Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/13/25	0	3	7	1	2	0	0	0	0	0	0	0	0	0	13
01:00	1	1	2	1	0	0	0	0	0	0	0	0	0	0	5
02:00	1	0	0	1	0	0	0	0	0	0	0	0	0	0	2
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
05:00	0	2	6	3	1	0	0	0	0	0	0	0	0	0	12
06:00	0	1	2	2	0	0	0	0	0	0	0	0	0	0	5
07:00	0	1	2	7	0	1	0	0	0	0	0	0	0	0	11
08:00	1	3	4	8	2	1	0	0	0	0	0	0	0	0	19
09:00	1	3	2	5	3	0	0	0	0	0	0	0	0	0	14
10:00	0	0	7	17	1	1	0	0	0	0	0	0	0	0	26
11:00	0	4	18	16	4	0	0	0	0	0	0	0	0	0	42
12 PM	4	3	12	32	11	1	0	0	0	0	0	0	0	0	63
13:00	3	2	10	22	9	2	0	0	0	0	0	0	0	0	48
14:00	1	2	14	22	5	1	0	0	0	0	0	0	0	0	45
15:00	2	5	19	31	8	1	0	0	0	0	0	0	0	0	66
16:00	2	2	7	19	5	1	0	0	0	0	0	0	0	0	36
17:00	2	3	18	17	3	0	0	0	0	0	0	0	0	0	43
18:00	0	4	14	10	4	0	0	0	0	0	0	0	0	0	32
19:00	1	5	6	10	4	0	0	0	0	0	0	0	0	0	26
20:00	0	3	10	4	3	0	0	0	0	0	0	0	0	0	20
21:00	0	2	10	9	1	0	0	0	0	0	0	0	0	0	22
22:00	2	0	5	6	1	0	0	0	0	0	0	0	0	0	14
23:00	0	1	3	4	1	0	0	0	0	0	0	0	0	0	9
Total	21	50	178	249	68	9	0	0	0	0	0	0	0	0	575

Daily
 15th Percentile : 20 MPH
 50th Percentile : 25 MPH
 85th Percentile : 29 MPH
 95th Percentile : 33 MPH

Statistics
 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 427
 Percent in Pace : 74.3%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Wilkes Place
 B/ Alicia Parkway - Grissom Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: 951-268-6268
 email: counts@countsunlimited.com

LHS001
 Site Code: 241-251169

Northbound, Southbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/14/25	0	1	2	3	0	0	0	0	0	0	0	0	0	0	6
01:00	0	1	2	1	0	0	0	0	0	0	0	0	0	0	4
02:00	1	2	1	1	0	0	1	0	0	0	0	0	0	0	6
03:00	3	2	3	3	1	0	0	0	0	0	0	0	0	0	12
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
06:00	0	1	3	4	0	0	0	0	0	0	0	0	0	0	8
07:00	0	1	3	4	0	0	0	0	0	0	0	0	0	0	8
08:00	0	3	7	8	0	0	0	0	0	0	0	0	0	0	18
09:00	2	2	11	10	3	0	0	0	0	0	0	0	0	0	28
10:00	0	4	5	12	6	0	0	0	0	0	0	0	0	0	27
11:00	2	1	7	11	1	1	0	0	0	0	0	0	0	0	23
12 PM	3	6	14	17	1	0	0	0	0	0	0	0	0	0	41
13:00	1	3	13	13	6	2	0	0	0	0	0	0	0	0	38
14:00	5	1	8	11	1	0	0	0	0	0	0	0	0	0	26
15:00	3	3	16	9	2	0	0	0	0	0	0	0	0	0	33
16:00	1	1	9	11	6	0	0	0	0	0	0	0	0	0	28
17:00	2	3	20	10	5	0	0	0	0	0	0	0	0	0	40
18:00	3	5	5	1	2	0	0	0	0	0	0	0	0	0	16
19:00	1	0	11	5	5	0	0	0	0	0	0	0	0	0	22
20:00	0	0	3	3	2	1	0	0	0	0	0	0	0	0	9
21:00	1	3	4	3	1	0	0	0	0	0	0	0	0	0	12
22:00	0	0	2	2	0	0	0	0	0	0	0	0	0	0	4
23:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
Total	28	44	150	143	43	4	1	0	0	0	0	0	0	0	413

Daily
 15th Percentile : 18 MPH
 50th Percentile : 24 MPH
 85th Percentile : 29 MPH
 95th Percentile : 33 MPH

Statistics
 Mean Speed(Average) : 24 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 293
 Percent in Pace : 70.9%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Wilkes Place
 B/ Alicia Parkway - Grissom Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: 951-268-6268
 email: counts@countsunlimited.com

LHS001
 Site Code: 241-251169

Northbound, Southbound

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total
Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	
12/15/25	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
02:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
04:00	0	1	1	1	0	0	0	0	0	0	0	0	0	0	3
05:00	0	1	4	1	2	0	0	0	0	0	0	0	0	0	8
06:00	0	2	3	2	2	0	0	0	0	0	0	0	0	0	9
07:00	1	4	25	28	2	1	0	0	0	0	0	0	0	0	61
08:00	2	10	66	38	4	0	0	0	0	0	0	0	0	0	120
09:00	0	4	11	12	5	0	0	0	0	0	0	0	0	0	32
10:00	2	3	9	8	4	0	0	0	0	0	0	0	0	0	26
11:00	4	2	7	14	5	0	0	0	0	0	0	0	0	0	32
12 PM	0	2	13	6	7	0	0	0	0	0	0	0	0	0	28
13:00	1	4	12	16	6	1	0	0	0	0	0	0	0	0	40
14:00	4	3	53	62	20	1	0	0	0	0	0	0	0	0	143
15:00	2	1	8	19	4	3	0	0	0	0	0	0	0	0	37
16:00	2	4	12	21	7	0	0	0	0	0	0	0	0	0	46
17:00	3	4	20	23	5	1	0	0	0	0	0	0	0	0	56
18:00	2	4	7	11	3	1	0	0	0	0	0	0	0	0	28
19:00	0	2	10	9	4	1	0	0	0	0	0	0	0	0	26
20:00	0	5	7	4	2	0	0	0	0	0	0	0	0	0	18
21:00	0	1	1	6	1	0	0	0	0	0	0	0	0	0	9
22:00	2	1	7	1	2	1	0	0	0	0	0	0	0	0	14
23:00	2	0	0	1	2	0	0	0	0	0	0	0	0	0	5
Total	27	59	280	284	87	10	0	0	0	0	0	0	0	0	747

Daily
 15th Percentile : 20 MPH
 50th Percentile : 25 MPH
 85th Percentile : 29 MPH
 95th Percentile : 33 MPH

Statistics
 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 564
 Percent in Pace : 75.5%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Wilkes Place - Velasquez Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: 951-268-6268
 email: counts@countsunlimited.com

LHS003
 Site Code: 241-251169

Eastbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/12/25	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
06:00	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
07:00	1	3	2	3	3	0	0	0	0	0	0	0	0	0	12
08:00	2	2	13	7	3	1	0	0	0	0	0	0	0	0	28
09:00	0	1	4	1	0	1	0	0	0	0	0	0	0	0	7
10:00	0	4	0	1	1	0	0	0	0	0	0	0	0	0	6
11:00	0	0	3	3	0	0	0	0	0	0	0	0	0	0	6
12 PM	1	1	7	3	1	0	0	0	0	0	0	0	0	0	13
13:00	2	7	11	7	1	0	0	0	0	0	0	0	0	0	28
14:00	3	6	14	19	1	0	0	0	0	0	0	0	0	0	43
15:00	1	1	6	4	0	0	0	0	0	0	0	0	0	0	12
16:00	0	7	5	5	0	0	0	0	0	0	0	0	0	0	17
17:00	2	3	6	3	0	0	0	0	0	0	0	0	0	0	14
18:00	1	2	5	2	1	0	0	0	0	0	0	0	0	0	11
19:00	2	2	4	1	1	0	0	0	0	0	0	0	0	0	10
20:00	1	2	0	0	1	0	0	0	0	0	0	0	0	0	4
21:00	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3
22:00	0	1	3	0	0	0	0	0	0	0	0	0	0	0	4
23:00	1	1	1	0	0	0	0	0	0	0	0	0	0	0	3
Total	19	45	88	59	13	2	0	0	0	0	0	0	0	0	226

Daily
 15th Percentile : 16 MPH
 50th Percentile : 22 MPH
 85th Percentile : 28 MPH
 95th Percentile : 31 MPH

Statistics
 Mean Speed(Average) : 23 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 147
 Percent in Pace : 65.0%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Wilkes Place - Velasquez Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: 951-268-6268
 email: counts@countsunlimited.com

LHS003
 Site Code: 241-251169

Eastbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/13/25	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
06:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
07:00	0	1	1	2	0	0	0	0	0	0	0	0	0	0	4
08:00	2	1	1	4	0	0	1	0	0	0	0	0	0	0	9
09:00	1	3	2	2	0	0	0	0	0	0	0	0	0	0	8
10:00	0	0	5	3	0	0	0	0	0	0	0	0	0	0	8
11:00	0	5	11	4	2	0	0	0	0	0	0	0	0	0	22
12 PM	1	4	18	17	4	1	0	0	0	0	0	0	0	0	45
13:00	1	2	6	5	5	0	0	0	0	0	0	0	0	0	19
14:00	3	5	4	9	0	1	0	0	0	0	0	0	0	0	22
15:00	2	6	15	10	3	2	0	0	0	0	0	0	0	0	38
16:00	0	3	3	3	1	0	0	0	0	0	0	0	0	0	10
17:00	3	5	4	2	0	0	0	0	0	0	0	0	0	0	14
18:00	1	2	2	3	0	0	0	0	0	0	0	0	0	0	8
19:00	2	0	3	1	0	0	0	0	0	0	0	0	0	0	6
20:00	1	1	5	1	0	0	0	0	0	0	0	0	0	0	8
21:00	0	3	2	1	0	0	0	0	0	0	0	0	0	0	6
22:00	2	0	1	1	0	0	0	0	0	0	0	0	0	0	4
23:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
Total	19	44	84	69	15	4	1	0	0	0	0	0	0	0	236

Daily
 15th Percentile : 16 MPH
 50th Percentile : 23 MPH
 85th Percentile : 28 MPH
 95th Percentile : 32 MPH

Statistics
 Mean Speed(Average) : 23 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 153
 Percent in Pace : 64.8%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Wilkes Place - Velasquez Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: 951-268-6268
 email: counts@countsunlimited.com

LHS003
 Site Code: 241-251169

Eastbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/14/25	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
07:00	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2
08:00	0	1	0	5	1	0	0	0	0	0	0	0	0	0	7
09:00	0	0	4	2	1	0	0	0	0	0	0	0	0	0	7
10:00	1	2	4	0	0	0	0	0	0	0	0	0	0	0	7
11:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
12 PM	0	2	3	2	1	0	0	0	0	0	0	0	0	0	8
13:00	3	1	5	3	3	0	0	0	0	0	0	0	0	0	15
14:00	4	1	0	2	2	0	0	0	0	0	0	0	0	0	9
15:00	4	2	1	2	0	0	0	0	0	0	0	0	0	0	9
16:00	1	2	1	0	1	0	0	0	0	0	0	0	0	0	5
17:00	1	5	2	2	1	0	0	0	0	0	0	0	0	0	11
18:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
19:00	1	2	3	2	0	0	0	0	0	0	0	0	0	0	8
20:00	0	1	1	0	1	2	0	0	0	0	0	0	0	0	5
21:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
22:00	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
23:00	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
Total	15	22	28	24	12	2	0	0	0	0	0	0	0	0	103

Daily
 15th Percentile : 15 MPH
 50th Percentile : 22 MPH
 85th Percentile : 29 MPH
 95th Percentile : 33 MPH

Statistics
 Mean Speed(Average) : 22 MPH
 10 MPH Pace Speed : 20-29 MPH
 Number in Pace : 52
 Percent in Pace : 50.5%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Wilkes Place - Velasquez Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: 951-268-6268
 email: counts@countsunlimited.com

LHS003
 Site Code: 241-251169

Eastbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/15/25	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
06:00	0	0	1	2	0	0	0	0	0	0	0	0	0	0	3
07:00	0	4	3	2	1	0	0	0	0	0	0	0	0	0	10
08:00	2	6	15	3	2	0	0	0	0	0	0	0	0	0	28
09:00	5	2	4	1	1	0	0	0	0	0	0	0	0	0	13
10:00	5	1	1	0	0	0	0	0	0	0	0	0	0	0	7
11:00	1	2	2	2	0	0	0	0	0	0	0	0	0	0	7
12 PM	4	2	1	0	0	0	0	0	0	0	0	0	0	0	7
13:00	0	2	5	5	2	0	0	0	0	0	0	0	0	0	14
14:00	0	3	8	5	1	0	0	0	0	0	0	0	0	0	17
15:00	3	2	2	4	3	0	0	0	0	0	0	0	0	0	14
16:00	2	6	3	2	0	0	0	0	0	0	0	0	0	0	13
17:00	2	8	3	2	0	0	0	0	0	0	0	0	0	0	15
18:00	1	5	4	4	2	0	0	0	0	0	0	0	0	0	16
19:00	5	1	2	0	0	0	0	0	0	0	0	0	0	0	8
20:00	2	2	1	1	0	0	0	0	0	0	0	0	0	0	6
21:00	0	1	3	1	0	0	0	0	0	0	0	0	0	0	5
22:00	1	0	2	1	1	0	0	0	0	0	0	0	0	0	5
23:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Total	33	47	64	36	13	0	0	0	0	0	0	0	0	0	193

Daily
 15th Percentile : 13 MPH
 50th Percentile : 21 MPH
 85th Percentile : 27 MPH
 95th Percentile : 31 MPH

Statistics
 Mean Speed(Average) : 21 MPH
 10 MPH Pace Speed : 16-25 MPH
 Number in Pace : 111
 Percent in Pace : 57.5%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Wilkes Place - Velasquez Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: 951-268-6268
 email: counts@countsunlimited.com

LHS003
 Site Code: 241-251169

Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/12/25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
06:00	0	0	0	4	2	1	0	0	0	0	0	0	0	0	7
07:00	1	1	5	2	2	0	0	0	0	0	0	0	0	0	11
08:00	0	4	2	5	3	0	0	0	0	0	0	0	0	0	14
09:00	1	0	0	3	2	0	0	0	0	0	0	0	0	0	6
10:00	0	3	2	2	1	0	0	0	0	0	0	0	0	0	8
11:00	1	1	6	0	0	1	0	0	0	0	0	0	0	0	9
12 PM	1	2	7	5	1	0	0	0	0	0	0	0	0	0	16
13:00	2	2	4	0	1	0	0	0	0	0	0	0	0	0	9
14:00	0	1	3	4	1	0	0	0	0	0	0	0	0	0	9
15:00	0	1	6	3	1	0	0	0	0	0	0	0	0	0	11
16:00	2	3	10	5	3	0	0	0	0	0	0	0	0	0	23
17:00	0	3	5	3	0	0	0	0	0	0	0	0	0	0	11
18:00	2	2	3	2	1	0	1	0	0	0	0	0	0	0	11
19:00	1	1	9	1	0	0	0	0	0	0	0	0	0	0	12
20:00	0	2	3	2	1	0	0	0	0	0	0	0	0	0	8
21:00	1	0	1	3	0	0	0	0	0	0	0	0	0	0	5
22:00	2	0	1	0	0	0	0	0	0	0	0	0	0	0	3
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	14	28	67	44	19	2	1	0	0	0	0	0	0	0	175

Daily
 15th Percentile : 17 MPH
 50th Percentile : 23 MPH
 85th Percentile : 29 MPH
 95th Percentile : 33 MPH

Statistics
 Mean Speed(Average) : 24 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 111
 Percent in Pace : 63.4%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Wilkes Place - Velasquez Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: 951-268-6268
 email: counts@countsunlimited.com

LHS003
 Site Code: 241-251169

Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/13/25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
05:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	0	0	1	1	0	1	0	0	0	0	0	0	0	0	3
08:00	0	1	1	3	0	0	1	0	0	0	0	0	0	0	6
09:00	1	0	2	0	0	0	0	0	0	0	0	0	0	0	3
10:00	1	1	0	4	2	0	0	0	0	0	0	0	0	0	8
11:00	1	3	4	5	3	0	0	0	0	0	0	0	0	0	16
12 PM	2	1	0	2	1	0	0	0	0	0	0	0	0	0	6
13:00	2	0	4	3	1	0	0	0	0	0	0	0	0	0	10
14:00	0	3	3	7	0	1	0	0	0	0	0	0	0	0	14
15:00	1	4	3	3	1	0	0	0	0	0	0	0	0	0	12
16:00	0	2	9	0	0	1	0	0	0	0	0	0	0	0	12
17:00	0	2	7	4	1	0	0	0	0	0	0	0	0	0	14
18:00	2	3	3	1	0	0	0	0	0	0	0	0	0	0	9
19:00	3	3	1	2	1	1	0	0	0	0	0	0	0	0	11
20:00	0	0	0	1	3	0	0	0	0	0	0	0	0	0	4
21:00	0	2	5	2	0	0	0	0	0	0	0	0	0	0	9
22:00	0	1	0	2	0	0	0	0	0	0	0	0	0	0	3
23:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
Total	13	28	44	43	13	4	1	0	0	0	0	0	0	0	146

Daily
 15th Percentile : 16 MPH
 50th Percentile : 23 MPH
 85th Percentile : 29 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 24 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 87
 Percent in Pace : 59.6%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Wilkes Place - Velasquez Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: 951-268-6268
 email: counts@countsunlimited.com

LHS003
 Site Code: 241-251169

Westbound

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total
Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	
12/14/25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
07:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
08:00	0	2	3	2	1	0	0	0	0	0	0	0	0	0	8
09:00	0	1	3	1	0	1	0	0	0	0	0	0	0	0	6
10:00	3	2	1	7	0	0	0	1	0	0	0	0	0	0	14
11:00	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
12 PM	0	3	5	1	3	0	0	0	0	0	0	0	0	0	12
13:00	1	1	3	5	0	0	0	0	0	0	0	0	0	0	10
14:00	0	1	2	4	1	0	0	0	0	0	0	0	0	0	8
15:00	1	3	0	4	0	0	0	0	0	0	0	0	0	0	8
16:00	0	1	1	1	0	1	0	0	0	0	0	0	0	0	4
17:00	2	3	8	3	0	0	0	0	0	0	0	0	0	0	16
18:00	1	2	0	1	0	1	0	0	0	0	0	0	0	0	5
19:00	4	0	1	2	0	0	0	0	0	0	0	0	0	0	7
20:00	2	1	0	1	1	0	0	0	0	0	0	0	0	0	5
21:00	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
22:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
23:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
Total	15	24	28	34	8	3	0	1	0	0	0	0	0	0	113

Daily
 15th Percentile : 15 MPH
 50th Percentile : 23 MPH
 85th Percentile : 29 MPH
 95th Percentile : 33 MPH

Statistics
 Mean Speed(Average) : 23 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 62
 Percent in Pace : 54.9%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Wilkes Place - Velasquez Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: 951-268-6268
 email: counts@countsunlimited.com

LHS003
 Site Code: 241-251169

Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/15/25	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
01:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
05:00	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2
06:00	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3
07:00	0	3	7	1	1	1	0	0	0	0	0	0	0	0	13
08:00	1	5	3	4	0	0	0	0	0	0	0	0	0	0	13
09:00	0	1	4	3	2	0	0	0	0	0	0	0	0	0	10
10:00	2	2	3	3	0	0	0	0	0	0	0	0	0	0	10
11:00	2	4	3	0	1	1	0	0	0	0	0	0	0	0	11
12 PM	1	2	2	6	1	0	0	0	0	0	0	0	0	0	12
13:00	2	2	5	3	1	0	0	0	0	0	0	0	0	0	13
14:00	0	4	5	5	1	1	0	0	0	0	0	0	0	0	16
15:00	3	4	4	3	0	0	0	0	0	0	0	0	0	0	14
16:00	0	8	4	1	0	1	0	0	0	0	0	0	0	0	14
17:00	4	2	12	3	3	0	0	0	0	0	0	0	0	0	24
18:00	5	1	3	1	0	1	0	0	0	0	0	0	0	0	11
19:00	2	5	3	2	1	0	0	0	0	0	0	0	0	0	13
20:00	1	2	1	2	0	0	0	0	0	0	0	0	0	0	6
21:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
22:00	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
23:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
Total	24	45	64	42	12	6	0	0	0	0	0	0	0	0	193

Daily
 15th Percentile : 15 MPH
 50th Percentile : 22 MPH
 85th Percentile : 28 MPH
 95th Percentile : 33 MPH

Statistics
 Mean Speed(Average) : 22 MPH
 10 MPH Pace Speed : 16-25 MPH
 Number in Pace : 109
 Percent in Pace : 56.5%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Wilkes Place - Velasquez Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: 951-268-6268
 email: counts@countsunlimited.com

LHS003
 Site Code: 241-251169

Eastbound, Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/12/25	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	3	1	0	0	0	0	0	0	0	0	0	0	0	4
06:00	1	1	0	4	2	1	0	0	0	0	0	0	0	0	9
07:00	2	4	7	5	5	0	0	0	0	0	0	0	0	0	23
08:00	2	6	15	12	6	1	0	0	0	0	0	0	0	0	42
09:00	1	1	4	4	2	1	0	0	0	0	0	0	0	0	13
10:00	0	7	2	3	2	0	0	0	0	0	0	0	0	0	14
11:00	1	1	9	3	0	1	0	0	0	0	0	0	0	0	15
12 PM	2	3	14	8	2	0	0	0	0	0	0	0	0	0	29
13:00	4	9	15	7	2	0	0	0	0	0	0	0	0	0	37
14:00	3	7	17	23	2	0	0	0	0	0	0	0	0	0	52
15:00	1	2	12	7	1	0	0	0	0	0	0	0	0	0	23
16:00	2	10	15	10	3	0	0	0	0	0	0	0	0	0	40
17:00	2	6	11	6	0	0	0	0	0	0	0	0	0	0	25
18:00	3	4	8	4	2	0	1	0	0	0	0	0	0	0	22
19:00	3	3	13	2	1	0	0	0	0	0	0	0	0	0	22
20:00	1	4	3	2	2	0	0	0	0	0	0	0	0	0	12
21:00	1	0	4	3	0	0	0	0	0	0	0	0	0	0	8
22:00	2	1	4	0	0	0	0	0	0	0	0	0	0	0	7
23:00	1	1	1	0	0	0	0	0	0	0	0	0	0	0	3
Total	33	73	155	103	32	4	1	0	0	0	0	0	0	0	401

Daily
 15th Percentile : 16 MPH
 50th Percentile : 23 MPH
 85th Percentile : 28 MPH
 95th Percentile : 32 MPH

Statistics
 Mean Speed(Average) : 23 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 258
 Percent in Pace : 64.3%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Wilkes Place - Velasquez Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: 951-268-6268
 email: counts@countsunlimited.com

LHS003
 Site Code: 241-251169

Eastbound, Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/13/25	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
05:00	0	1	0	2	0	0	0	0	0	0	0	0	0	0	3
06:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
07:00	0	1	2	3	0	1	0	0	0	0	0	0	0	0	7
08:00	2	2	2	7	0	0	2	0	0	0	0	0	0	0	15
09:00	2	3	4	2	0	0	0	0	0	0	0	0	0	0	11
10:00	1	1	5	7	2	0	0	0	0	0	0	0	0	0	16
11:00	1	8	15	9	5	0	0	0	0	0	0	0	0	0	38
12 PM	3	5	18	19	5	1	0	0	0	0	0	0	0	0	51
13:00	3	2	10	8	6	0	0	0	0	0	0	0	0	0	29
14:00	3	8	7	16	0	2	0	0	0	0	0	0	0	0	36
15:00	3	10	18	13	4	2	0	0	0	0	0	0	0	0	50
16:00	0	5	12	3	1	1	0	0	0	0	0	0	0	0	22
17:00	3	7	11	6	1	0	0	0	0	0	0	0	0	0	28
18:00	3	5	5	4	0	0	0	0	0	0	0	0	0	0	17
19:00	5	3	4	3	1	1	0	0	0	0	0	0	0	0	17
20:00	1	1	5	2	3	0	0	0	0	0	0	0	0	0	12
21:00	0	5	7	3	0	0	0	0	0	0	0	0	0	0	15
22:00	2	1	1	3	0	0	0	0	0	0	0	0	0	0	7
23:00	0	0	1	2	0	0	0	0	0	0	0	0	0	0	3
Total	32	72	128	112	28	8	2	0	0	0	0	0	0	0	382

Daily
 15th Percentile : 16 MPH
 50th Percentile : 23 MPH
 85th Percentile : 29 MPH
 95th Percentile : 33 MPH

Statistics
 Mean Speed(Average) : 23 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 240
 Percent in Pace : 62.8%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Wilkes Place - Velasquez Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: 951-268-6268
 email: counts@countsunlimited.com

LHS003
 Site Code: 241-251169

Eastbound, Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/14/25	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2
07:00	0	1	0	1	2	0	0	0	0	0	0	0	0	0	4
08:00	0	3	3	7	2	0	0	0	0	0	0	0	0	0	15
09:00	0	1	7	3	1	1	0	0	0	0	0	0	0	0	13
10:00	4	4	5	7	0	0	0	1	0	0	0	0	0	0	21
11:00	0	2	0	1	0	0	0	0	0	0	0	0	0	0	3
12 PM	0	5	8	3	4	0	0	0	0	0	0	0	0	0	20
13:00	4	2	8	8	3	0	0	0	0	0	0	0	0	0	25
14:00	4	2	2	6	3	0	0	0	0	0	0	0	0	0	17
15:00	5	5	1	6	0	0	0	0	0	0	0	0	0	0	17
16:00	1	3	2	1	1	1	0	0	0	0	0	0	0	0	9
17:00	3	8	10	5	1	0	0	0	0	0	0	0	0	0	27
18:00	1	2	1	2	0	1	0	0	0	0	0	0	0	0	7
19:00	5	2	4	4	0	0	0	0	0	0	0	0	0	0	15
20:00	2	2	1	1	2	2	0	0	0	0	0	0	0	0	10
21:00	0	2	0	1	0	0	0	0	0	0	0	0	0	0	3
22:00	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3
23:00	0	1	0	1	1	0	0	0	0	0	0	0	0	0	3
Total	30	46	56	58	20	5	0	1	0	0	0	0	0	0	216

Daily
 15th Percentile : 15 MPH
 50th Percentile : 22 MPH
 85th Percentile : 29 MPH
 95th Percentile : 33 MPH

Statistics
 Mean Speed(Average) : 23 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 114
 Percent in Pace : 52.8%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Wilkes Place - Velasquez Road
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: 951-268-6268
 email: counts@countsunlimited.com

LHS003
 Site Code: 241-251169

Eastbound, Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/15/25	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3
01:00	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
05:00	0	0	2	0	1	1	0	0	0	0	0	0	0	0	4
06:00	0	0	1	5	0	0	0	0	0	0	0	0	0	0	6
07:00	0	7	10	3	2	1	0	0	0	0	0	0	0	0	23
08:00	3	11	18	7	2	0	0	0	0	0	0	0	0	0	41
09:00	5	3	8	4	3	0	0	0	0	0	0	0	0	0	23
10:00	7	3	4	3	0	0	0	0	0	0	0	0	0	0	17
11:00	3	6	5	2	1	1	0	0	0	0	0	0	0	0	18
12 PM	5	4	3	6	1	0	0	0	0	0	0	0	0	0	19
13:00	2	4	10	8	3	0	0	0	0	0	0	0	0	0	27
14:00	0	7	13	10	2	1	0	0	0	0	0	0	0	0	33
15:00	6	6	6	7	3	0	0	0	0	0	0	0	0	0	28
16:00	2	14	7	3	0	1	0	0	0	0	0	0	0	0	27
17:00	6	10	15	5	3	0	0	0	0	0	0	0	0	0	39
18:00	6	6	7	5	2	1	0	0	0	0	0	0	0	0	27
19:00	7	6	5	2	1	0	0	0	0	0	0	0	0	0	21
20:00	3	4	2	3	0	0	0	0	0	0	0	0	0	0	12
21:00	1	1	3	1	0	0	0	0	0	0	0	0	0	0	6
22:00	1	0	4	1	1	0	0	0	0	0	0	0	0	0	7
23:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
Total	57	92	128	78	25	6	0	0	0	0	0	0	0	0	386

Daily
 15th Percentile : 15 MPH
 50th Percentile : 21 MPH
 85th Percentile : 28 MPH
 95th Percentile : 32 MPH

Statistics
 Mean Speed(Average) : 21 MPH
 10 MPH Pace Speed : 16-25 MPH
 Number in Pace : 220
 Percent in Pace : 57.0%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Velasquez Road - Las Bolsas Street
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: 951-268-6268
 email: counts@countsunlimited.com

LHS002
 Site Code: 241-251169

Eastbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/12/25	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	1	2	0	1	0	0	0	0	0	0	0	0	0	0	4
06:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
07:00	5	0	3	3	1	0	0	0	0	0	0	0	0	0	12
08:00	0	2	3	3	0	0	0	0	0	0	0	0	0	0	8
09:00	1	0	3	0	0	0	0	0	0	0	0	0	0	0	4
10:00	1	1	3	3	1	0	0	0	0	0	0	0	0	0	9
11:00	1	0	1	5	1	0	0	0	0	0	0	0	0	0	8
12 PM	1	1	5	4	2	0	0	0	0	0	0	0	0	0	13
13:00	1	5	7	1	3	0	0	0	0	0	0	0	0	0	17
14:00	0	3	7	4	4	0	0	0	0	0	0	0	0	0	18
15:00	0	3	8	3	0	0	0	0	0	0	0	0	0	0	14
16:00	3	5	4	7	0	0	0	0	0	0	0	0	0	0	19
17:00	4	4	4	3	1	0	0	0	0	0	0	0	0	0	16
18:00	1	4	3	5	1	0	0	0	0	0	0	0	0	0	14
19:00	4	3	2	1	0	0	0	0	0	0	0	0	0	0	10
20:00	0	1	11	0	0	0	0	0	0	0	0	0	0	0	12
21:00	2	1	1	1	0	0	0	0	0	0	0	0	0	0	5
22:00	0	3	1	2	1	0	0	0	0	0	0	0	0	0	7
23:00	0	1	2	0	0	0	0	0	0	0	0	0	0	0	3
Total	25	39	68	51	15	0	0	0	0	0	0	0	0	0	198

Daily
 15th Percentile : 15 MPH
 50th Percentile : 22 MPH
 85th Percentile : 28 MPH
 95th Percentile : 31 MPH

Statistics
 Mean Speed(Average) : 22 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 119
 Percent in Pace : 60.1%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Velasquez Road - Las Bolsas Street
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: 951-268-6268
 email: counts@countsunlimited.com

LHS002
 Site Code: 241-251169

Eastbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/13/25	0	0	1	1	1	0	0	0	0	0	0	0	0	0	3
01:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
06:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
07:00	1	1	1	1	0	0	0	0	0	0	0	0	0	0	4
08:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
09:00	0	3	0	1	1	0	0	0	0	0	0	0	0	0	5
10:00	1	2	2	6	1	0	0	0	0	0	0	0	0	0	12
11:00	3	7	2	2	0	0	0	0	0	0	0	0	0	0	14
12 PM	5	3	12	4	0	0	0	0	0	0	0	0	0	0	24
13:00	4	5	8	4	1	0	0	0	0	0	0	0	0	0	22
14:00	1	13	10	6	1	0	0	0	0	0	0	0	0	0	31
15:00	3	4	7	4	0	0	0	0	0	0	0	0	0	0	18
16:00	1	5	6	4	3	0	0	0	0	0	0	0	0	0	19
17:00	1	7	3	6	1	0	0	0	0	0	0	0	0	0	18
18:00	2	5	3	3	1	0	0	0	0	0	0	0	0	0	14
19:00	2	4	6	1	0	0	0	0	0	0	0	0	0	0	13
20:00	1	5	2	1	0	0	0	0	0	0	0	0	0	0	9
21:00	3	3	2	0	0	0	0	0	0	0	0	0	0	0	8
22:00	0	2	0	1	1	0	0	0	0	0	0	0	0	0	4
23:00	0	1	4	0	1	0	0	0	0	0	0	0	0	0	6
Total	29	72	71	46	12	0	0	0	0	0	0	0	0	0	230

Daily
 15th Percentile : 15 MPH
 50th Percentile : 20 MPH
 85th Percentile : 27 MPH
 95th Percentile : 30 MPH

Statistics
 Mean Speed(Average) : 21 MPH
 10 MPH Pace Speed : 16-25 MPH
 Number in Pace : 143
 Percent in Pace : 62.2%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Velasquez Road - Las Bolsas Street
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: 951-268-6268
 email: counts@countsunlimited.com

LHS002
 Site Code: 241-251169

Eastbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/14/25	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3
07:00	1	0	0	1	0	0	0	0	0	0	0	0	0	0	2
08:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
09:00	1	2	0	0	1	0	0	0	0	0	0	0	0	0	4
10:00	3	1	6	5	0	0	0	0	0	0	0	0	0	0	15
11:00	0	4	5	3	2	0	0	0	0	0	0	0	0	0	14
12 PM	2	1	5	4	3	0	0	0	0	0	0	0	0	0	15
13:00	0	2	5	6	1	0	0	0	0	0	0	0	0	0	14
14:00	4	1	1	6	2	0	0	0	0	0	0	0	0	0	14
15:00	2	0	3	6	0	2	0	0	0	0	0	0	0	0	13
16:00	1	3	2	0	2	0	0	0	0	0	0	0	0	0	8
17:00	1	8	2	1	1	0	0	0	0	0	0	0	0	0	13
18:00	0	2	1	0	0	0	0	0	0	0	0	0	0	0	3
19:00	1	3	3	0	0	0	0	0	0	0	0	0	0	0	7
20:00	0	4	1	0	0	0	0	0	0	0	0	0	0	0	5
21:00	0	1	4	0	0	0	0	0	0	0	0	0	0	0	5
22:00	0	1	2	0	0	0	0	0	0	0	0	0	0	0	3
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	16	33	43	34	12	2	0	0	0	0	0	0	0	0	140

Daily
 15th Percentile : 15 MPH
 50th Percentile : 22 MPH
 85th Percentile : 28 MPH
 95th Percentile : 32 MPH

Statistics
 Mean Speed(Average) : 22 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 77
 Percent in Pace : 55.0%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Velasquez Road - Las Bolsas Street
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: 951-268-6268
 email: counts@countsunlimited.com

LHS002
 Site Code: 241-251169

Eastbound

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total
Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	
12/15/25	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
01:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:00	1	1	3	3	0	0	0	0	0	0	0	0	0	0	8
12 PM	3	4	7	0	0	0	0	0	0	0	0	0	0	0	14
13:00	0	7	5	5	1	0	0	0	0	0	0	0	0	0	18
14:00	2	5	8	1	1	0	0	0	0	0	0	0	0	0	17
15:00	4	2	13	5	0	0	0	0	0	0	0	0	0	0	24
16:00	2	8	10	5	0	0	0	0	0	0	0	0	0	0	25
17:00	6	8	6	4	1	0	0	0	0	0	0	0	0	0	25
18:00	5	5	6	1	1	0	0	0	0	0	0	0	0	0	18
19:00	0	1	4	5	1	0	0	0	0	0	0	0	0	0	11
20:00	0	3	4	0	0	0	0	0	0	0	0	0	0	0	7
21:00	1	1	3	1	0	0	0	0	0	0	0	0	0	0	6
22:00	1	2	1	0	1	0	0	0	0	0	0	0	0	0	5
23:00	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2
Total	25	49	71	31	6	1	0	0	0	0	0	0	0	0	183

Daily
 15th Percentile : 15 MPH
 50th Percentile : 21 MPH
 85th Percentile : 26 MPH
 95th Percentile : 29 MPH

Statistics
 Mean Speed(Average) : 21 MPH
 10 MPH Pace Speed : 16-25 MPH
 Number in Pace : 120
 Percent in Pace : 65.6%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Velasquez Road - Las Bolsas Street
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: 951-268-6268
 email: counts@countsunlimited.com

LHS002
 Site Code: 241-251169

Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/12/25	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
05:00	3	0	1	1	1	0	0	0	0	0	0	0	0	0	6
06:00	1	4	1	1	0	0	0	0	0	0	0	0	0	0	7
07:00	2	8	7	8	1	0	0	0	0	0	0	0	0	0	26
08:00	0	6	9	11	2	0	0	0	0	0	0	0	0	0	28
09:00	0	2	5	4	0	0	0	0	0	0	0	0	0	0	11
10:00	0	0	2	0	3	0	0	0	0	0	0	0	0	0	5
11:00	2	3	3	2	0	1	0	0	0	0	0	0	0	0	11
12 PM	2	2	2	3	0	0	0	0	0	0	0	0	0	0	9
13:00	0	3	4	2	2	0	0	0	0	0	0	0	0	0	11
14:00	3	6	10	4	2	0	0	0	0	0	0	0	0	0	25
15:00	1	3	8	2	0	0	0	0	0	0	0	0	0	0	14
16:00	2	3	4	2	1	0	0	0	0	0	0	0	0	0	12
17:00	4	1	5	1	0	0	0	0	0	0	0	0	0	0	11
18:00	1	3	4	1	0	0	0	0	0	0	0	0	0	0	9
19:00	5	2	1	0	1	0	0	0	0	0	0	0	0	0	9
20:00	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3
21:00	0	1	2	0	0	0	0	0	0	0	0	0	0	0	3
22:00	0	3	0	1	1	0	0	0	0	0	0	0	0	0	5
23:00	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3
Total	26	51	73	45	15	1	0	0	0	0	0	0	0	0	211

Daily
 15th Percentile : 15 MPH
 50th Percentile : 21 MPH
 85th Percentile : 28 MPH
 95th Percentile : 31 MPH

Statistics
 Mean Speed(Average) : 22 MPH
 10 MPH Pace Speed : 16-25 MPH
 Number in Pace : 124
 Percent in Pace : 58.8%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Velasquez Road - Las Bolsas Street
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: 951-268-6268
 email: counts@countsunlimited.com

LHS002
 Site Code: 241-251169

Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/13/25	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
01:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2
06:00	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
07:00	0	0	4	0	0	0	0	0	0	0	0	0	0	0	4
08:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
09:00	0	3	2	3	0	1	0	0	0	0	0	0	0	0	9
10:00	2	4	8	3	0	0	0	0	0	0	0	0	0	0	17
11:00	1	2	3	9	2	0	0	0	0	0	0	0	0	0	17
12 PM	5	4	5	2	0	0	0	0	0	0	0	0	0	0	16
13:00	3	6	10	1	1	0	0	0	0	0	0	0	0	0	21
14:00	1	5	3	4	1	0	0	0	0	0	0	0	0	0	14
15:00	2	0	2	6	1	0	0	0	0	0	0	0	0	0	11
16:00	1	5	4	5	0	0	0	0	0	0	0	0	0	0	15
17:00	2	5	6	4	0	0	0	0	0	0	0	0	0	0	17
18:00	0	1	5	2	1	0	0	0	0	0	0	0	0	0	9
19:00	2	1	1	1	0	0	0	0	0	0	0	0	0	0	5
20:00	0	1	0	1	1	0	0	0	0	0	0	0	0	0	3
21:00	0	3	0	3	0	0	0	0	0	0	0	0	0	0	6
22:00	0	1	3	0	0	0	0	0	0	0	0	0	0	0	4
23:00	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3
Total	21	44	61	46	7	1	0	0	0	0	0	0	0	0	180

Daily
 15th Percentile : 15 MPH
 50th Percentile : 22 MPH
 85th Percentile : 27 MPH
 95th Percentile : 29 MPH

Statistics
 Mean Speed(Average) : 22 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 107
 Percent in Pace : 59.4%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Velasquez Road - Las Bolsas Street
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: 951-268-6268
 email: counts@countsunlimited.com

LHS002
 Site Code: 241-251169

Westbound

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
12/14/25	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
06:00	0	1	2	0	0	0	0	0	0	0	0	0	0	0	3
07:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
08:00	0	0	1	3	0	0	0	0	0	0	0	0	0	0	4
09:00	0	3	6	7	0	0	0	0	0	0	0	0	0	0	16
10:00	1	3	3	2	2	0	0	0	0	0	0	0	0	0	11
11:00	2	3	3	2	0	0	0	0	0	0	0	0	0	0	10
12 PM	4	2	5	2	0	0	0	0	0	0	0	0	0	0	13
13:00	0	2	7	3	4	0	0	0	0	0	0	0	0	0	16
14:00	2	4	4	4	0	0	0	0	0	0	0	0	0	0	14
15:00	0	1	2	4	1	0	0	0	0	0	0	0	0	0	8
16:00	1	3	7	1	0	1	0	0	0	0	0	0	0	0	13
17:00	4	4	5	0	1	0	0	0	0	0	0	0	0	0	14
18:00	0	2	4	0	0	0	0	0	0	0	0	0	0	0	6
19:00	0	2	4	1	0	0	0	0	0	0	0	0	0	0	7
20:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
21:00	0	3	1	1	0	0	0	0	0	0	0	0	0	0	5
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	14	36	56	33	9	1	0	0	0	0	0	0	0	0	149

Daily
 15th Percentile : 16 MPH
 50th Percentile : 22 MPH
 85th Percentile : 28 MPH
 95th Percentile : 31 MPH

Statistics
 Mean Speed(Average) : 22 MPH
 10 MPH Pace Speed : 16-25 MPH
 Number in Pace : 92
 Percent in Pace : 61.7%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Velasquez Road - Las Bolsas Street
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: 951-268-6268
 email: counts@countsunlimited.com

LHS002
 Site Code: 241-251169

Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/15/25	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
01:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2
06:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
07:00	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
08:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
09:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:00	1	1	4	1	0	0	0	0	0	0	0	0	0	0	7
12 PM	2	5	9	5	0	0	0	0	0	0	0	0	0	0	21
13:00	2	3	4	4	0	1	0	0	0	0	0	0	0	0	14
14:00	1	3	12	8	0	0	0	0	0	0	0	0	0	0	24
15:00	5	4	8	2	1	0	0	0	0	0	0	0	0	0	20
16:00	2	8	8	1	0	1	0	0	0	0	0	0	0	0	20
17:00	4	7	5	3	0	0	0	0	0	0	0	0	0	0	19
18:00	4	0	1	2	0	0	0	0	0	0	0	0	0	0	7
19:00	1	4	5	2	0	0	0	0	0	0	0	0	0	0	12
20:00	0	5	0	0	0	0	0	0	0	0	0	0	0	0	5
21:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
22:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	23	44	61	28	2	2	0	0	0	0	0	0	0	0	160

Daily
 15th Percentile : 15 MPH
 50th Percentile : 21 MPH
 85th Percentile : 26 MPH
 95th Percentile : 29 MPH

Statistics
 Mean Speed(Average) : 21 MPH
 10 MPH Pace Speed : 16-25 MPH
 Number in Pace : 105
 Percent in Pace : 65.6%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Velasquez Road - Las Bolsas Street
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: 951-268-6268
 email: counts@countsunlimited.com

LHS002
 Site Code: 241-251169

Eastbound, Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/12/25	0	1	1	1	0	0	0	0	0	0	0	0	0	0	3
01:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
05:00	4	2	1	2	1	0	0	0	0	0	0	0	0	0	10
06:00	1	4	1	3	0	0	0	0	0	0	0	0	0	0	9
07:00	7	8	10	11	2	0	0	0	0	0	0	0	0	0	38
08:00	0	8	12	14	2	0	0	0	0	0	0	0	0	0	36
09:00	1	2	8	4	0	0	0	0	0	0	0	0	0	0	15
10:00	1	1	5	3	4	0	0	0	0	0	0	0	0	0	14
11:00	3	3	4	7	1	1	0	0	0	0	0	0	0	0	19
12 PM	3	3	7	7	2	0	0	0	0	0	0	0	0	0	22
13:00	1	8	11	3	5	0	0	0	0	0	0	0	0	0	28
14:00	3	9	17	8	6	0	0	0	0	0	0	0	0	0	43
15:00	1	6	16	5	0	0	0	0	0	0	0	0	0	0	28
16:00	5	8	8	9	1	0	0	0	0	0	0	0	0	0	31
17:00	8	5	9	4	1	0	0	0	0	0	0	0	0	0	27
18:00	2	7	7	6	1	0	0	0	0	0	0	0	0	0	23
19:00	9	5	3	1	1	0	0	0	0	0	0	0	0	0	19
20:00	0	1	13	1	0	0	0	0	0	0	0	0	0	0	15
21:00	2	2	3	1	0	0	0	0	0	0	0	0	0	0	8
22:00	0	6	1	3	2	0	0	0	0	0	0	0	0	0	12
23:00	0	1	4	1	0	0	0	0	0	0	0	0	0	0	6
Total	51	90	141	96	30	1	0	0	0	0	0	0	0	0	409

Daily
 15th Percentile : 15 MPH
 50th Percentile : 22 MPH
 85th Percentile : 28 MPH
 95th Percentile : 31 MPH

Statistics
 Mean Speed(Average) : 22 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 237
 Percent in Pace : 57.9%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Velasquez Road - Las Bolsas Street
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: 951-268-6268
 email: counts@countsunlimited.com

LHS002
 Site Code: 241-251169

Eastbound, Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/13/25	0	0	2	2	1	0	0	0	0	0	0	0	0	0	5
01:00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	1	0	1	1	0	0	0	0	0	0	0	0	0	0	3
06:00	0	3	1	0	0	0	0	0	0	0	0	0	0	0	4
07:00	1	1	5	1	0	0	0	0	0	0	0	0	0	0	8
08:00	0	2	2	0	0	0	0	0	0	0	0	0	0	0	4
09:00	0	6	2	4	1	1	0	0	0	0	0	0	0	0	14
10:00	3	6	10	9	1	0	0	0	0	0	0	0	0	0	29
11:00	4	9	5	11	2	0	0	0	0	0	0	0	0	0	31
12 PM	10	7	17	6	0	0	0	0	0	0	0	0	0	0	40
13:00	7	11	18	5	2	0	0	0	0	0	0	0	0	0	43
14:00	2	18	13	10	2	0	0	0	0	0	0	0	0	0	45
15:00	5	4	9	10	1	0	0	0	0	0	0	0	0	0	29
16:00	2	10	10	9	3	0	0	0	0	0	0	0	0	0	34
17:00	3	12	9	10	1	0	0	0	0	0	0	0	0	0	35
18:00	2	6	8	5	2	0	0	0	0	0	0	0	0	0	23
19:00	4	5	7	2	0	0	0	0	0	0	0	0	0	0	18
20:00	1	6	2	2	1	0	0	0	0	0	0	0	0	0	12
21:00	3	6	2	3	0	0	0	0	0	0	0	0	0	0	14
22:00	0	3	3	1	1	0	0	0	0	0	0	0	0	0	8
23:00	0	1	6	1	1	0	0	0	0	0	0	0	0	0	9
Total	50	116	132	92	19	1	0	0	0	0	0	0	0	0	410

Daily
 15th Percentile : 15 MPH
 50th Percentile : 21 MPH
 85th Percentile : 27 MPH
 95th Percentile : 29 MPH

Statistics
 Mean Speed(Average) : 21 MPH
 10 MPH Pace Speed : 16-25 MPH
 Number in Pace : 248
 Percent in Pace : 60.5%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Velasquez Road - Las Bolsas Street
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: 951-268-6268
 email: counts@countsunlimited.com

LHS002
 Site Code: 241-251169

Eastbound, Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/14/25	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
01:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
06:00	0	1	5	0	0	0	0	0	0	0	0	0	0	0	6
07:00	1	0	1	2	0	0	0	0	0	0	0	0	0	0	4
08:00	0	0	1	4	0	0	0	0	0	0	0	0	0	0	5
09:00	1	5	6	7	1	0	0	0	0	0	0	0	0	0	20
10:00	4	4	9	7	2	0	0	0	0	0	0	0	0	0	26
11:00	2	7	8	5	2	0	0	0	0	0	0	0	0	0	24
12 PM	6	3	10	6	3	0	0	0	0	0	0	0	0	0	28
13:00	0	4	12	9	5	0	0	0	0	0	0	0	0	0	30
14:00	6	5	5	10	2	0	0	0	0	0	0	0	0	0	28
15:00	2	1	5	10	1	2	0	0	0	0	0	0	0	0	21
16:00	2	6	9	1	2	1	0	0	0	0	0	0	0	0	21
17:00	5	12	7	1	2	0	0	0	0	0	0	0	0	0	27
18:00	0	4	5	0	0	0	0	0	0	0	0	0	0	0	9
19:00	1	5	7	1	0	0	0	0	0	0	0	0	0	0	14
20:00	0	5	2	0	0	0	0	0	0	0	0	0	0	0	7
21:00	0	4	5	1	0	0	0	0	0	0	0	0	0	0	10
22:00	0	1	2	0	0	0	0	0	0	0	0	0	0	0	3
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	30	69	99	67	21	3	0	0	0	0	0	0	0	0	289

Daily
 15th Percentile : 15 MPH
 50th Percentile : 22 MPH
 85th Percentile : 28 MPH
 95th Percentile : 32 MPH

Statistics
 Mean Speed(Average) : 22 MPH
 10 MPH Pace Speed : 16-25 MPH
 Number in Pace : 168
 Percent in Pace : 58.1%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Counts Unlimited, Inc.

City of Laguna Hills
 Grissom Road
 B/ Velasquez Road - Las Bolsas Street
 4 Day Directional Speed Survey

PO Box 1178
 Corona, CA 92878
 Phone: 951-268-6268
 email: counts@countsunlimited.com

LHS002
 Site Code: 241-251169

Eastbound, Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/15/25	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
01:00	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2
06:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
07:00	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
08:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
09:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:00	2	2	7	4	0	0	0	0	0	0	0	0	0	0	15
12 PM	5	9	16	5	0	0	0	0	0	0	0	0	0	0	35
13:00	2	10	9	9	1	1	0	0	0	0	0	0	0	0	32
14:00	3	8	20	9	1	0	0	0	0	0	0	0	0	0	41
15:00	9	6	21	7	1	0	0	0	0	0	0	0	0	0	44
16:00	4	16	18	6	0	1	0	0	0	0	0	0	0	0	45
17:00	10	15	11	7	1	0	0	0	0	0	0	0	0	0	44
18:00	9	5	7	3	1	0	0	0	0	0	0	0	0	0	25
19:00	1	5	9	7	1	0	0	0	0	0	0	0	0	0	23
20:00	0	8	4	0	0	0	0	0	0	0	0	0	0	0	12
21:00	1	1	4	1	0	0	0	0	0	0	0	0	0	0	7
22:00	1	3	2	0	1	0	0	0	0	0	0	0	0	0	7
23:00	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2
Total	48	93	132	59	8	3	0	0	0	0	0	0	0	0	343

Daily
 15th Percentile : 15 MPH
 50th Percentile : 21 MPH
 85th Percentile : 26 MPH
 95th Percentile : 29 MPH

Statistics
 Mean Speed(Average) : 21 MPH
 10 MPH Pace Speed : 16-25 MPH
 Number in Pace : 225
 Percent in Pace : 65.6%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%



City of Laguna Hills Traffic Commission Staff Report

Date: January 21, 2026
To: Traffic Commissioners
From: Samantha Vu, Assistant Engineer
Issue: Review of Traffic Conditions on Ericson Way

Recommendation: That the Traffic Commission receive and file the report.

Background:

Vice Chair Patel received concerns from a resident regarding vehicular speeding, cut-through traffic, and motorists not obeying the 3-way stop sign at Ericson Way and Earhart Road. Please see the attached Vicinity Map.

Based upon the resident's concern and in accordance with the Residential Streets Management Policy, staff initiated a review of the vehicular speeds, traffic collision history and an origin and destination study (cut-through traffic analysis) on Ericson Way from Costeau Street to Paseo de Valencia.

Hartzog & Crabill, Inc., (HCI) completed the attached November 14, 2025, study. HCI collected speed survey data for two locations along Ericson Way on Tuesday, August 19, 2025. The first location was taken between Tasman Road and Earhart Road. The average speed in this location was found to be 26 mph and the 85th percentile speed was 31 mph. The second location was taken between the intersection of Ericson Way and north Earhart Road and the intersection of Ericson Way and south Earhart Road. The average speed was 22 mph and the 85th percentile was 26 mph. The typical prevailing speed range for residential streets is usually between 32 and 34 mph, without traffic safety concerns. The 85th percentile speeds were below this range and therefore, no action is needed in response to this data.

A five-year traffic collision history review was also included in the study which determined two traffic collisions had been reported during this time. One collision was categorized as Driving Under Influence (DUI) and the other collision hit an object while turning. Both accidents occurred at the Paseo de Valencia intersection, and not on Ericson Way.

A stop sign compliance study was also conducted at the intersections of Ericson Way and Earhart Road (both locations) to address concerns using video cameras. The 24-hour study was conducted on Tuesday, August 19, 2025, and determined the number of stops that occurred. There are three types of stops that were identified during this study as: 1) Rolling Stop; or 2) Complete Stop; or 3) No Stop (Ran Through or No Braking). The table below shows the results.

Stop Sign Compliance Summary		
Classification	Volume	
	Earhart Road (North)	Earhart Road (South)
Rolling Stop	657	1,130
Complete Stop	68	89
No Stop (Ran Through or No Braking)	15	15
Total	740	1,234

An Origin-Destination (O&D) study was also conducted to quantify the amount of traffic possibly using Ericson Way as a cut-through street. The study used license plates to document vehicles during morning and afternoon peak times. If vehicles were observed on the other end of Ericson in less than 3 minutes, the vehicle was counted as “cut through” traffic. HCI only identified 2 vehicles as part of cut-through traffic. The Average Daily Traffic during the observed period was 628 vehicles. Therefore, less than one percent of the observed vehicles were cut-through traffic. The traffic volumes and cut-through traffic are not significant, and no action is needed in response to this data.

Staff recommend that the Traffic Commission receive and file this report as the data collected does not trigger any physical devices from the Residential Streets Management Policy. However, due to the results of the stop sign compliance portion of the study, City staff is implementing the following recommendations from the HCI report:

- Increase law enforcement presence at the two (2) locations, as often as available.
- Installing a STOP AHEAD warning sign in advance of each northbound and

southbound approach (i.e., between the two (2) stops)

- Upgrading the existing STOP signs at the (2) Earhart Road intersections to the next larger size for better visibility.

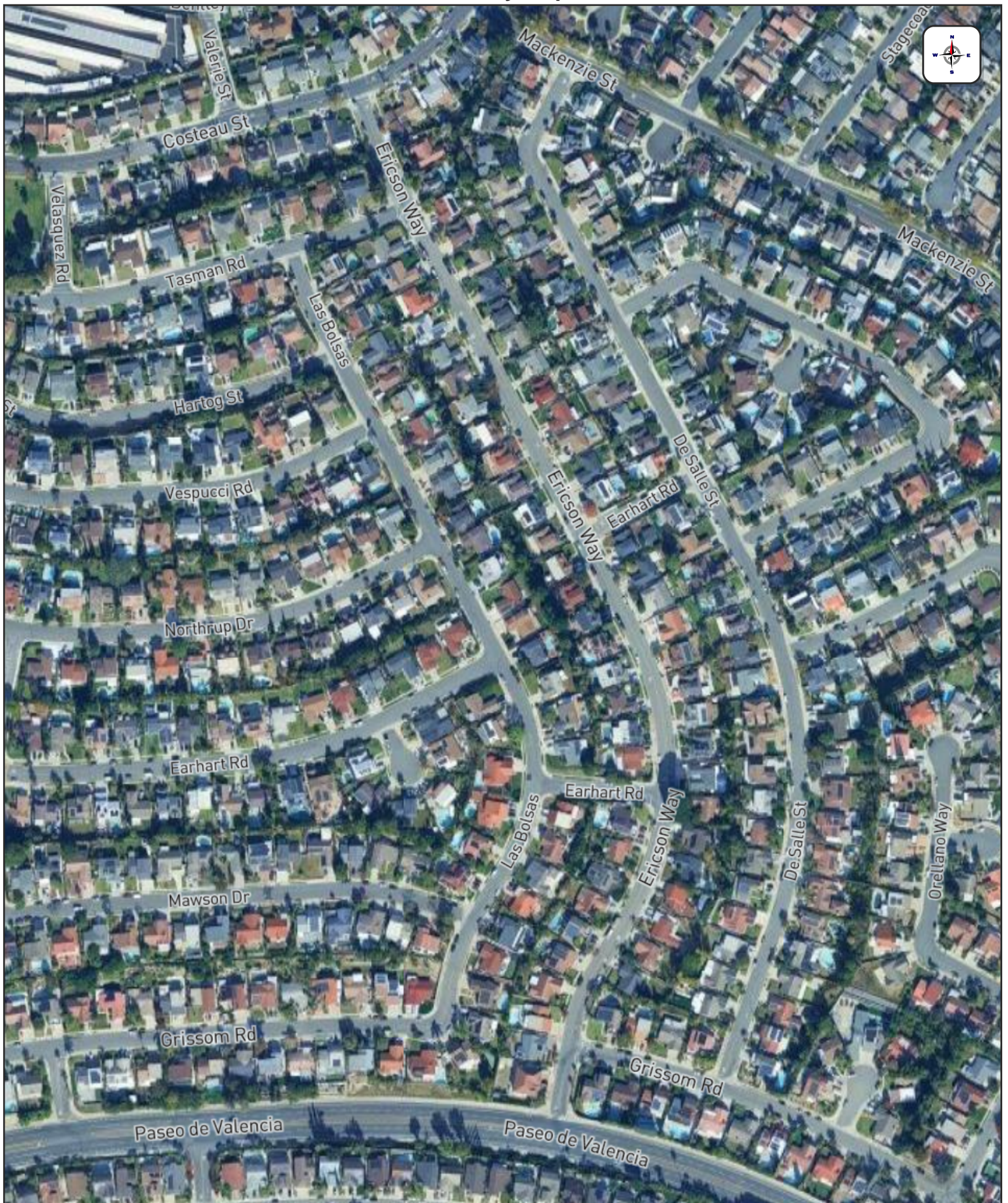
Fiscal Impact:

The expected cost of installing the STOP AHEAD warning sign and the larger STOP signs is expected to be less than \$1,000.

Attachments:

1. Ericson Way Vicinity Map
2. HCI, Inc., Evaluation of Roadway Traffic Speeds & Cut-Through Traffic on Ericson Way dated November 14, 2025

Vicinity Map



1" = 275 ft

Ericson Way

01/15/2026



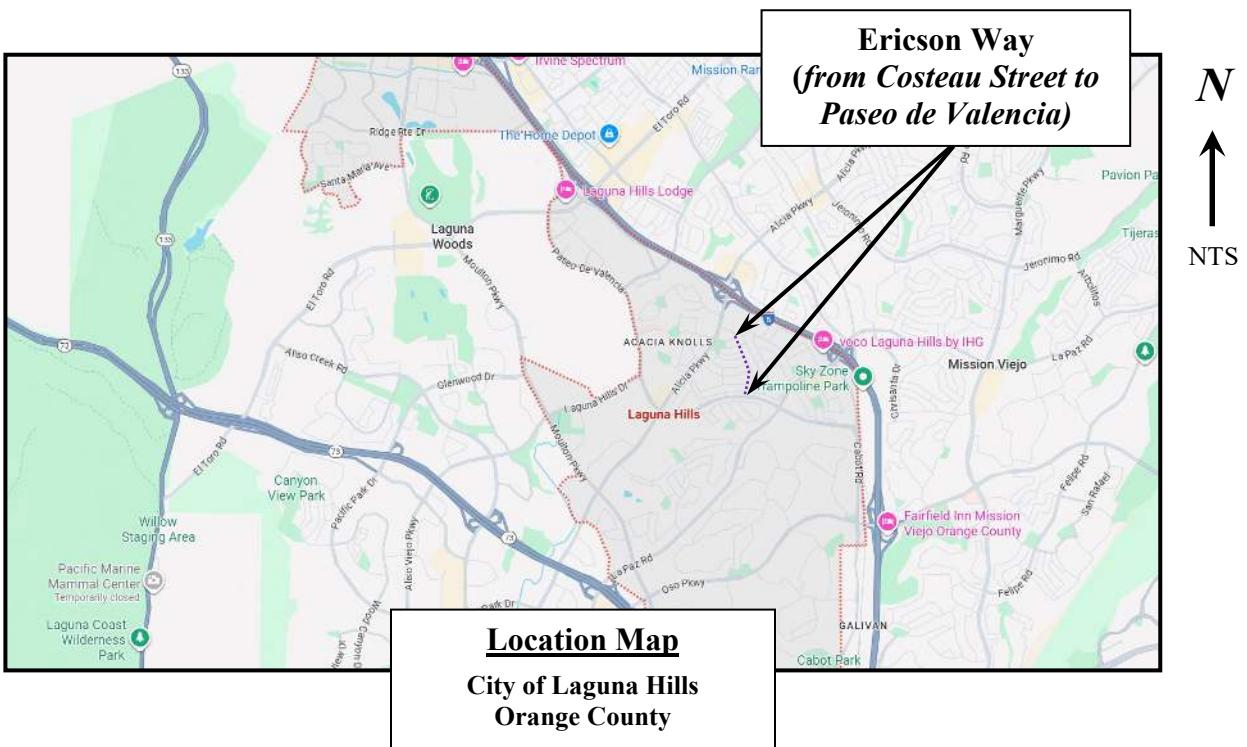
EVALUATION OF ROADWAY TRAFFIC SPEEDS & CUT-THROUGH TRAFFIC

**ON ERICSON WAY, FROM COSTEAU STREET TO PASEO DE VALENCIA,
IN THE CITY OF LAGUNA HILLS, CA
NOVEMBER 14, 2025**

INTRODUCTION

The City of Laguna Hills requested Hartzog & Crabill, Inc. (HCI) to complete an evaluation of vehicular traffic speeds and cut-through traffic along Ericson Way. The evaluation limits on Ericson Way are from Costeau Street to Paseo de Valencia.

This segment of Ericson Way is located in the central area of the City, southeast of Alicia Parkway (see Location Map below). The overall roadway segment generally runs diagonally in the north-south directions. The roadway segment is entirely within the City of Laguna Hills jurisdiction. At the present time, there are two (2) Stop sign traffic controls along Ericson Way at its T-intersections with Earhart Road. Other than the two (2) Stop controlled intersections, Ericson Way is uncontrolled within the remaining roadway segment.



*Evaluation of Roadway Traffic Speeds and Cut-Through Traffic:
Ericson Way, from Costeau Street to Paseo de Valencia, in the City of Laguna Hills, CA*

BACKGROUND

Ericson Way, from Costeau Street to Paseo de Valencia, is a diagonal north-south residential collector roadway with single-family residential properties on both sides of the street. The roadway is approximately 40 feet wide curb-to-curb. The 2-lane roadway provides for one lane of traffic in each direction, which are separated by a painted, double-yellow centerline. The roadway has concrete curb, gutter, parkway, and sidewalk improvements on both sides.

On-street parking is allowed on both sides of the street. There are also several street light posts along both sides of the roadway.

Ericson Way has 25 MPH Speed Limit signs posted in both directions, along with '25' pavement markings at the sign locations. There are also Neighborhood Watch signs posted in both directions.

As mentioned, there are multiway Stop sign traffic controls along Ericson Way at its two (2) T-intersections with Earhart Road. These locations also have Stop Ahead warning signs and pavement markings.

Lastly, on the northerly end of the project segment, there is a 3-Way Stop at the T-intersection with Costeau Street. On the southerly end of the project segment, there is a 1-Way Stop on Ericson Way at its T-intersection with Paseo de Valencia (i.e., Paseo de Valencia is uncontrolled).

*Evaluation of Roadway Traffic Speeds and Cut-Through Traffic:
Ericson Way, from Costeau Street to Paseo de Valencia, in the City of Laguna Hills, CA*

DATA COLLECTION

24-hour Vehicular Speed Counts

HCI coordinated the collection of 24-hour Average Daily Traffic (ADT) counts for this roadway segment of Ericson Way. The count data, which includes vehicular speed data, was taken using a machine counter with road tubes at two (2) midpoint locations on Ericson Way, between Costeau Street and Paseo de Valencia. The location was chosen to obtain the most ‘free flow’ traffic speeds between the project limits. The vehicular traffic volume/speed data was collected on one typical weekday (i.e., Tuesday). The first location was taken between Tasman Road and Earhart Road, with results summarized below:

<u>Tuesday, August 19, 2025</u>	<u>Average Speed (mph)</u>	<u>85th percentile Speed (mph)</u>
Northbound	27	32
Southbound	25	30
Both Directions	26	31

The second location was taken between Earhart Roads, with results summarized below:

<u>Tuesday, August 19, 2025</u>	<u>Average Speed (mph)</u>	<u>85th percentile Speed (mph)</u>
Northbound	21	25
Southbound	22	26
Both Directions	22	26

As shown above, vehicular speeds were relatively consistent in each direction. As typically expected, the first location resulted in the 85th percentile speed higher than the posted speed limit of 25 MPH [average speed = 26 MPH; 85th-percentile speed = 31 MPH]. The highest ADT bi-directional count on Ericson Way resulted in 628 vehicles. *The collected traffic count data can be found attached in Appendix A.*

***Evaluation of Roadway Traffic Speeds and Cut-Through Traffic:
Ericson Way, from Costeau Street to Paseo de Valencia, in the City of Laguna Hills, CA***

DATA COLLECTION (continued)

Collision History

HCI also gathered the latest available collision history for the City of Laguna Hills from the State of California Highway Patrol (CHP) -- Statewide Integrated Traffic Records System (*SWITRS*), which is where local agencies, such as cities, report their collisions. A comprehensive 5-year traffic collision history summary report was prepared for this roadway segment of Ericson Way.

Table 1 below provides the most recent summary of collision history that has been reported along this segment.

**TABLE 1
SWITRS COLLISION SUMMARY**

Intersection	2020-21		2022		2023		2024 – Jul. 2025	
	Date	Type of Coll.	Date	Type of Coll.	Date	Type of Coll.	Date	Type of Coll.
Ericson Way <i>(from Costeau St to Paseo de Valencia)</i>	2/7/2020	Hit Object (<i>Turning</i>)		<i>None Reported</i>		<i>None Reported</i>		<i>None Reported</i>
	5/28/2020	Hit Object (<i>DUI</i>)						

Note: Information above is derived per the latest 5-year raw traffic collision database file gathered from CHP-SWITRS.

As shown above, there have been a total of two (2) collisions reported along this roadway segment over the past (5+) years of available SWITRS collision data. Both collisions occurred at the Paseo de Valencia intersection, and not actually within the Ericson Way segment. It is noted, one collision was categorized as Driving Under Influence (DUI). ***The SWITRS traffic collision data report prepared for this roadway segment is included in Appendix B.***

***Evaluation of Roadway Traffic Speeds and Cut-Through Traffic:
Ericson Way, from Costeau Street to Paseo de Valencia, in the City of Laguna Hills, CA***

FIELD REVIEW

Roadway Signing & Striping

During our field-review on an early Friday morning, HCI staff drove and walked the Ericson Way roadway segment in both directions, in order to review the existing traffic signing & striping. Below is a summary list of existing signs and markings:

- Painted, double-yellow centerline throughout the segment.
- (Qty. 4) Ericson Way has 25 MPH Speed Limit signs posted in both directions, along with '25' pavement markings at the sign locations.
- (Qty. 4) There are Neighborhood Watch signs posted in both directions.
- As mentioned, there are multiway Stop sign traffic controls along Ericson Way at its two (2) T-intersections with Earhart Road (north and south). These locations also have Stop Ahead warning signs and pavement markings along Ericson Way.
- On the northerly end of the project segment, there is a 3-Way Stop at the T-intersection with Costeau Street.
- On the southerly end of the project segment, there is a 1-Way Stop on Ericson Way at its T-intersection with Paseo de Valencia (i.e., Paseo de Valencia is uncontrolled).

Please see Exhibits 1 – 4 on the following pages showing recent field-review pictures of Ericson Way, from Costeau Street to Paseo de Valencia.

*Evaluation of Roadway Traffic Speeds and Cut-Through Traffic:
Ericson Way, from Costeau Street to Paseo de Valencia, in the City of Laguna Hills, CA*

EXHIBIT 1



ERICSON WAY (Looking Northbound) from Paseo de Valencia



ERICSON WAY (Looking Northbound) from north of Grissom Road

*Evaluation of Roadway Traffic Speeds and Cut-Through Traffic:
Ericson Way, from Costeau Street to Paseo de Valencia, in the City of Laguna Hills, CA*

EXHIBIT 2



ERICSON WAY (Looking Northbound) at Earhart Road (south)



ERICSON WAY (Looking Northbound) at Earhart Road (north) and beyond

*Evaluation of Roadway Traffic Speeds and Cut-Through Traffic:
Ericson Way, from Costeau Street to Paseo de Valencia, in the City of Laguna Hills, CA*

EXHIBIT 3



ERICSON WAY (Looking Southbound) from Costeau Street



ERICSON WAY (Looking Southbound) from south of Tasman Road

*Evaluation of Roadway Traffic Speeds and Cut-Through Traffic:
Ericson Way, from Costeau Street to Paseo de Valencia, in the City of Laguna Hills, CA*

EXHIBIT 4



ERICSON WAY (*Looking Southbound*) at Earhart Road (north) and beyond



ERICSON WAY (*Looking Southbound*) from south of Earhart Road (south)

***Evaluation of Roadway Traffic Speeds and Cut-Through Traffic:
Ericson Way, from Costeau Street to Paseo de Valencia, in the City of Laguna Hills, CA***

STOP SIGN COMPLIANCE

In regards to STOP sign running at the intersections of Ericson Way and Earhart Road (both locations), a Stop sign compliance study was conducted in order to address concerns. This 24-hour study, which was also gathered on Tuesday, August 19, 2025, was comprised of a video count of northbound and southbound vehicles along Ericson Way that approach the Stops at Earhart Road, and describe the types of Stop occurred as: 1) Rolling Stop; or 2) Complete Stop; or 3) No Stop (Ran Through or No Braking). The results for the Earhart Road (north) location are summarized in the table below:

Stop Sign Compliance Summary	
Classification	Volume
Rolling Stop	657
Complete Stop	68
No Stop (Ran Through or No Braking)	15
Total	740

The results for the Earhart Road (south) location are summarized in the table below:

Stop Sign Compliance Summary	
Classification	Volume
Rolling Stop	1,130
Complete Stop	89
No Stop (Ran Through or No Braking)	15
Total	1,234

As shown, the majority of drivers performed a rolling stop at the two T-intersections (89% and 92%, respectively), which is defined as a driver that does not stop completely at the Stop sign before passing through. Only 9% and 7%, respectively, of drivers were determined as coming to a complete stop. Only 2% and 1%, respectively, of drivers were determined as a No Stop (i.e., ran through the Stop without applying brakes). (*See overall Stop Sign Compliance data in Appendix C*).

***Evaluation of Roadway Traffic Speeds and Cut-Through Traffic:
Ericson Way, from Costeau Street to Paseo de Valencia, in the City of Laguna Hills, CA***

CUT-THROUGH TRAFFIC

An Origin-Destination (O&D) study (i.e., vehicle tracking survey) was also conducted on Tuesday, August 19, 2025 to quantify the amount of traffic possibly using Ericson Way as a short-cut. The study tracked vehicles entering and exiting Ericson Way from Paseo de Valencia and entering/exiting from/to the intersection of Costeau Street and Alicia Parkway, or entering/exiting from/to the intersection of Bentley and Alicia Parkway. The data was collected during the morning (7:00 AM to 9:00 AM) and afternoon (3:00 PM to 6:00 PM) peak-hour periods.

The study documented where the vehicle was coming from and going to, in order to determine if the vehicle is on a natural travel path, or is actually cutting-through the neighborhood. For example, a vehicle entering northbound Ericson Way from Paseo de Valencia and matches up at Alicia Parkway in a certain ‘shorter’ period of time (i.e., ‘within’ a three (3) minute time frame) is most likely a cut-through vehicle. However, if the same vehicle is matched in a certain ‘longer’ period of time (i.e., ‘greater’ than a three (3) minute time frame), it is not determined as cut-through, but continuing on their natural travel route through the neighborhood.

HCI staff performed several travel runs in each direction. The 3-minute time frame is an approximate ‘maximum’ amount of time that it should take a vehicular driver to travel from the intersection of Ericson Way and Paseo de Valencia to the intersection of Bentley and Alicia Parkway.

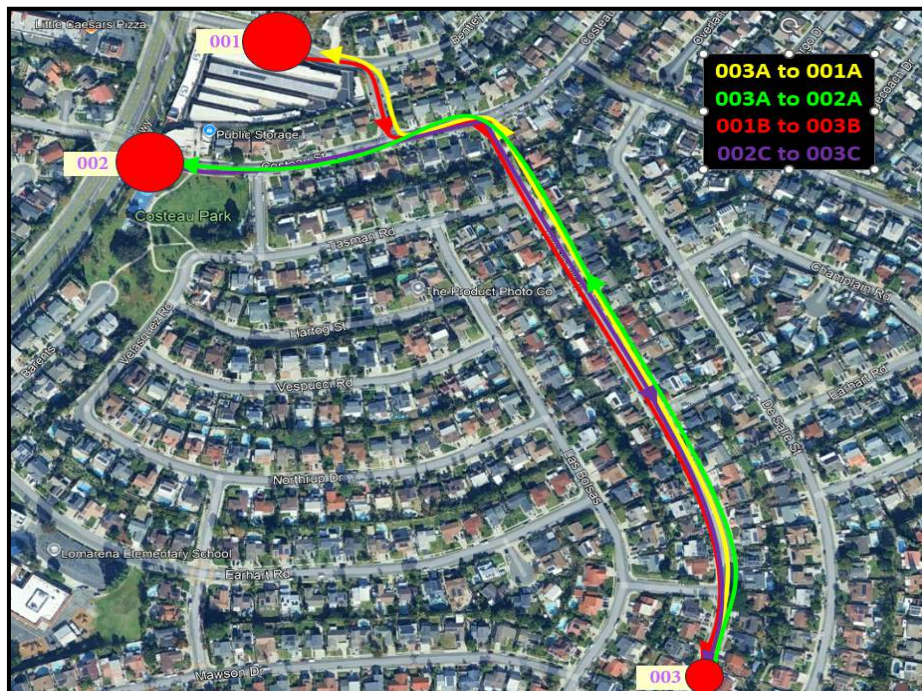
In other words, a match that occurs and is greater than three (3) minutes reflects a vehicle that entered at one of these outer intersections, made a stop at one of the homes along Ericson Way, and then resumed their natural travel path to the other outer intersection (i.e., not considered cut-through). Further details are included in the following page.

*Evaluation of Roadway Traffic Speeds and Cut-Through Traffic:
Ericson Way, from Costeau Street to Paseo de Valencia, in the City of Laguna Hills, CA*

CUT-THROUGH TRAFFIC (continued)

Below is an aerial picture of Ericson Way depicting the following four (4) travel paths:

- **1st Travel Path** = northbound Ericson Way, from Paseo de Valencia to Costeau Street, and finally to Bentley at Alicia Parkway (see yellow arrow).
- **2nd Travel Path** = northbound Ericson Way, from Paseo de Valencia to Costeau Street, and finally to Alicia Parkway (see green arrow).
- **3rd Travel Path** = southbound Ericson Way, from Alicia Parkway using Bentley to Costeau Street, and finally to Paseo de Valencia (see red arrow).
- **4th Travel Path** = southbound Ericson Way, from Alicia Parkway using Costeau Street, and finally to Paseo de Valencia (see purple arrow).



**Evaluation of Roadway Traffic Speeds and Cut-Through Traffic:
Ericson Way, from Costeau Street to Paseo de Valencia, in the City of Laguna Hills, CA**

CUT-THROUGH TRAFFIC (continued)

The tables below provide a summary of the total number of ‘matched’ vehicles for each travel path described above during each morning and afternoon peak period.

(1ST TRAVEL PATH) 003A to 001A											
AM						PM					
Time	License Plate	Time	License Plate	Duration (hh:mm)	Cut-Thru?	Time	License Plate	Time	License Plate	Duration (hh:mm)	Cut-Thru?
7:39 AM	F661	8:13 AM	F661	0:34	NO	3:49 PM	G899	5:34 PM	G899	1:44	NO
7:45 AM	W658	8:37 AM	W658	0:51	NO	3:52 PM	YWGM	4:59 PM	YWGM	1:06	NO
8:14 AM	W373	8:18 AM	W373	0:04	NO	3:54 PM	R100	4:58 PM	R100	1:03	NO
8:33 AM	H567	8:51 AM	H567	0:17	NO						
Total	4					Total	3				

(2ND TRAVEL PATH) 003A to 002A											
AM						PM					
Time	License Plate	Time	License Plate	Duration (hh:mm)	Cut-Thru?	Time	License Plate	Time	License Plate	Duration (hh:mm)	Cut-Thru?
7:54 AM	1996	7:56 AM	1996	0:01	YES	3:06 PM	P769	3:45 PM	P769	0:39	NO
						3:40 PM	34M2	4:21 PM	34M2	0:40	NO
						4:08 PM	C186	4:28 PM	C186	0:19	NO
						4:18 PM	C472	5:25 PM	C472	1:07	NO
Total	1					Total	4				

(3RD TRAVEL PATH) 001B to 003B											
AM						PM					
Time	License Plate	Time	License Plate	Duration (hh:mm)	Cut-Thru?	Time	License Plate	Time	License Plate	Duration (hh:mm)	Cut-Thru?
7:45 AM	R499	7:47 AM	R499	0:01	YES	3:02 PM	E238	3:25 PM	E238	0:22	NO
						3:04 PM	P175	3:20 PM	P175	0:15	NO
						3:37 PM	D614	4:00 PM	D614	0:22	NO
						4:10 PM	D117	4:54 PM	D117	0:44	NO
						4:10 PM	R677	4:17 PM	R677	0:06	NO
						4:17 PM	2144	5:11 PM	2144	0:54	NO
						4:29 PM	L883	4:43 PM	L883	0:14	NO
						4:35 PM	R115	4:48 PM	R115	0:12	NO
						4:57 PM	H685	5:03 PM	H685	0:06	NO
Total	1					Total	9				

(4TH TRAVEL PATH) 002C to 003C											
AM						PM					
Time	License Plate	Time	License Plate	Duration (hh:mm)	Cut-Thru?	Time	License Plate	Time	License Plate	Duration (hh:mm)	Cut-Thru?
7:02 AM	S730	8:55 AM	S730	1:53	NO	3:18 PM	S377	4:33 PM	S377	1:15	NO
7:28 AM	C666	7:35 AM	C666	0:06	NO	3:46 PM	F359	4:37 PM	F359	0:50	NO
7:46 AM	K906	8:52 AM	K906	1:05	NO	4:17 PM	N523	4:23 PM	N523	0:06	NO
						4:29 PM	F928	5:04 PM	F928	0:34	NO
						5:03 PM	C359	5:10 PM	C359	0:07	NO
						5:29 PM	C181	5:37 PM	C181	0:07	NO
						5:56 PM	89R3	6:03 PM	89R3	0:07	NO
Total	3					Total	7				

*Evaluation of Roadway Traffic Speeds and Cut-Through Traffic:
Ericson Way, from Costeau Street to Paseo de Valencia, in the City of Laguna Hills, CA*

CUT-THROUGH TRAFFIC *(continued)*

From the above tables, the matched vehicle results that were determined as cut-through vehicles are shown below:

1st Travel Path – Zero (0) vehicles determined under three (3) minutes.

2nd Travel Path – One (1) vehicle in the morning between 1 and 2 minutes.

3rd Travel Path – One (1) vehicle in the morning between 1 and 2 minutes.

4th Travel Path – Zero (0) vehicles determined under three (3) minutes.

During the morning period of 7:00 to 9:00am, a total of two (2) vehicles were determined as cut-through traffic using the 2nd and 3rd travel paths.

During the afternoon period of 3:00 to 6:00pm, zero (0) vehicles were determined as cut-through traffic.

During both peak periods, a total of two (2) vehicles were determined as cut-through traffic.

As mentioned, the highest ADT bi-directional count on Ericson Way resulted in a total of 628 vehicles. The two (2) cut-through vehicles divided by the total ADT count of 628 results in less than one (1) percent determined as cut-through traffic (i.e., approximately 0.3%).

(See overall Origin-Destination Study collected data in Appendix D).

***Evaluation of Roadway Traffic Speeds and Cut-Through Traffic:
Ericson Way, from Costeau Street to Paseo de Valencia, in the City of Laguna Hills, CA***

SUMMARY OF RESULTS & FINDINGS

- Ericson Way, from Costeau Street to Paseo de Valencia, is a diagonal north-south residential collector roadway with single-family residential properties on both sides of the street. The roadway is approximately 40 feet wide curb-to-curb. The 2-lane roadway provides for one lane of traffic in each direction, which are separated by a painted, double-yellow centerline.
- Ericson Way has 25 MPH Speed Limit signs posted in both directions, along with '25' pavement markings at the sign locations.
- As mentioned, there are multiway Stop sign traffic controls along Ericson Way at its two (2) T-intersections with Earhart Road. These locations also have Stop Ahead warning signs and pavement markings.
- The highest 24-hour Speed-Count Results for the roadway segment resulted in an Average Speed of 26 MPH and an 85th Percentile Speed of 31 MPH. The 85th percentile speed is considered in typical range for this type of roadway.
- There were a total of two (2) collisions reported along this roadway segment over the past (5+) years of SWITRS collision data. Both collisions occurred at the Paseo de Valencia intersection, and not actually within the Ericson Way segment. It is noted, one collision was categorized as Driving Under Influence (DUI).
- In regards to Stop sign compliance, study results show that the majority of drivers performed a rolling stop at the two T-intersections (89% and 92%, respectively), which is defined as a driver that does not stop completely at the Stop sign before passing through. Only 9% and 7%, respectively, of drivers were determined as coming to a complete stop. Only 2% and 1%, respectively, of drivers were determined as a No Stop (i.e., ran through the Stop without applying brakes).
- In regards to cut-through traffic, during both peak periods, a total of two (2) vehicles were determined as cut-through traffic. Since the ADT count on Ericson Way was 628, the two vehicles results in less than one (1) percent of cut-through traffic in a typical day (i.e., approximately 0.3%).

*Evaluation of Roadway Traffic Speeds and Cut-Through Traffic:
Ericson Way, from Costeau Street to Paseo de Valencia, in the City of Laguna Hills, CA*

RECOMMENDATIONS

In overall review of the evaluation findings, since the 85th-percentile speeds were verified as higher than the 25 MPH speed limit (but considered within typical range for this type of roadway) along this roadway segment, the following suggestions are offered for the City's consideration in addressing travel speeds on this roadway:

- Increase law enforcement presence as often as available, or as resources permit.
- Place a portable radar speed trailer near the northerly midpoint of the roadway segment, as often as available.

Lastly, in regards to Stop sign compliance, in order to enhance a driver's compliance and recognition of the existing northbound and southbound STOP signs at the two Earhart Road intersections, below are a few incremental suggestions for the City's consideration:

- Increase law enforcement presence at the two (2) locations, as often as available.
- The existing STOP signs at the two (2) Earhart Road intersections may be supplemented by the installation of a STOP AHEAD warning sign in advance of each northbound and southbound approach (i.e., between the two (2) Stops).
- The existing STOP signs at the (2) Earhart Road intersections may be upgraded to the next larger size for better advance visibility, or,
- The existing STOP signs may be upgraded to solar-powered, red-LED-flashing STOP signs, in order to further enhance and increase driver awareness of the two (2) Earhart Road STOPS.

APPENDIX A

**ADT SPEED-COUNT DATA
(2 LOCATIONS)**

VOLUME
 Ericson Way S/O Tasman Rd

Day: Tuesday
 Date: 8/19/2025

City: Laguna Hills
 Project #: CA25_010289_002

DAILY TOTALS						NB	SB	EB	WB	Total	
						306	322	0	0	628	
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
0:00	0	0	0	0		12:00	4	5	0	0	9
0:15	0	1	0	0	1	12:15	6	3	0	0	9
0:30	0	1	0	0	1	12:30	3	3	0	0	6
0:45	0	1	3	0	1 3	12:45	9	22	5	16	14 38
1:00	0	0	0	0		13:00	4	6	0	0	10
1:15	1	1	0	0	2	13:15	3	3	0	0	6
1:30	0	1	0	0	1	13:30	4	6	0	0	10
1:45	0	1	0	2	3	13:45	6	17	4	19	10 36
2:00	0	0	0	0		14:00	4	4	0	0	8
2:15	0	0	0	0		14:15	2	8	0	0	10
2:30	0	0	0	0		14:30	11	6	0	0	17
2:45	0	0	0	0		14:45	6	23	3	21	9 44
3:00	0	0	0	0		15:00	8	4	0	0	12
3:15	0	0	0	0		15:15	5	7	0	0	12
3:30	0	0	0	0		15:30	2	10	0	0	12
3:45	0	0	0	0		15:45	5	20	7	28	12 48
4:00	0	0	0	0		16:00	6	3	0	0	9
4:15	0	0	0	0		16:15	7	7	0	0	14
4:30	0	0	0	0		16:30	5	6	0	0	11
4:45	3	3	1	1	4 4	16:45	3	21	3	19	6 40
5:00	1	0	0	0	1	17:00	4	15	0	0	19
5:15	1	1	0	0	2	17:15	5	5	0	0	10
5:30	1	2	0	0	3	17:30	7	8	0	0	15
5:45	3	6	0	3	3 9	17:45	2	18	8	36	10 54
6:00	2	1	0	0	3	18:00	6	6	0	0	12
6:15	1	1	0	0	2	18:15	4	6	0	0	10
6:30	5	1	0	0	6	18:30	5	6	0	0	11
6:45	7	15	3	6	10 21	18:45	5	20	11	29	16 49
7:00	4	2	0	0	6	19:00	3	6	0	0	9
7:15	7	6	0	0	13	19:15	0	9	0	0	9
7:30	6	4	0	0	10	19:30	5	5	0	0	10
7:45	7	24	3	15	10 39	19:45	3	11	5	25	8 36
8:00	7	7	0	0	14	20:00	2	2	0	0	4
8:15	9	3	0	0	12	20:15	2	3	0	0	5
8:30	5	4	0	0	9	20:30	1	4	0	0	5
8:45	7	28	4	18	11 46	20:45	4	9	3	12	7 21
9:00	2	5	0	0	7	21:00	1	1	0	0	2
9:15	4	2	0	0	6	21:15	1	1	0	0	2
9:30	5	4	0	0	9	21:30	2	3	0	0	5
9:45	4	15	0	11	4 26	21:45	0	4	4	9	4 13
10:00	3	5	0	0	8	22:00	2	2	0	0	4
10:15	7	6	0	0	13	22:15	1	0	0	0	1
10:30	6	3	0	0	9	22:30	1	0	0	0	1
10:45	6	22	4	18	10 40	22:45	0	4	1	3	1 7
11:00	4	8	0	0	12	23:00	2	1	0	0	3
11:15	8	3	0	0	11	23:15	2	0	0	0	2
11:30	2	6	0	0	8	23:30	0	2	0	0	2
11:45	5	19	6	23	11 42	23:45	0	4	2	5	2 9
TOTALS	133	100			233	TOTALS	173	222			395
SPLIT %	57.1%	42.9%			37.1%	SPLIT %	43.8%	56.2%			62.9%

DAILY TOTALS						NB	SB	EB	WB	Total	
						306	322	0	0	628	
AM Peak Hour	7:30	11:00			7:15	PM Peak Hour	14:30	17:00		17:00	
AM Pk Volume	29	23			47	PM Pk Volume	30	36		54	
Pk Hr Factor	0.806	0.719			0.839	Pk Hr Factor	0.682	0.600		0.711	
7 - 9 Volume	52	33	0	0	85	4 - 6 Volume	39	55	0	0	94
7 - 9 Peak Hour	7:30	7:15			7:15	4 - 6 Peak Hour	16:00	17:00			17:00
7 - 9 Pk Volume	29	20	0	0	47	4 - 6 Pk Volume	21	36	0	0	54
Pk Hr Factor	0.806	0.714	0.000	0.000	0.839	Pk Hr Factor	0.750	0.600	0.000	0.000	0.711

SPEED

Ericson Way S/O Tasman Rd

Day: Tuesday
Date: 8/19/2025

City: Laguna Hills
Project #: CA25_010289_002s

South Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
0:00 AM	0	0	1	1	1	0	0	0	0	0	0	0	0	3
1:00	0	0	1	0	0	1	0	0	0	0	0	0	0	2
2:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
5:00	0	1	1	1	0	0	0	0	0	0	0	0	0	3
6:00	1	1	2	2	0	0	0	0	0	0	0	0	0	6
7:00	0	4	6	2	3	0	0	0	0	0	0	0	0	15
8:00	2	0	6	6	3	1	0	0	0	0	0	0	0	18
9:00	1	1	2	5	1	1	0	0	0	0	0	0	0	11
10:00	2	2	5	5	4	0	0	0	0	0	0	0	0	18
11:00	0	0	7	10	6	0	0	0	0	0	0	0	0	23
12:00 PM	0	1	8	6	1	0	0	0	0	0	0	0	0	16
13:00	0	1	4	7	5	2	0	0	0	0	0	0	0	19
14:00	0	2	5	8	5	1	0	0	0	0	0	0	0	21
15:00	2	0	11	9	5	1	0	0	0	0	0	0	0	28
16:00	0	0	8	8	2	1	0	0	0	0	0	0	0	19
17:00	1	1	9	15	9	1	0	0	0	0	0	0	0	36
18:00	0	3	12	9	5	0	0	0	0	0	0	0	0	29
19:00	0	2	8	12	3	0	0	0	0	0	0	0	0	25
20:00	1	1	5	5	0	0	0	0	0	0	0	0	0	12
21:00	0	0	2	4	1	2	0	0	0	0	0	0	0	9
22:00	0	0	0	3	0	0	0	0	0	0	0	0	0	3
23:00	0	1	2	2	0	0	0	0	0	0	0	0	0	5
Totals	10	22	105	120	54	11								322
% of Totals	3%	7%	33%	37%	17%	3%								100%

AM Volumes	6	10	31	32	18	3	0	0	0	0	0	0	0	100
% AM	2%	3%	10%	10%	6%	1%								31%
AM Peak Hour	8:00	7:00	11:00	11:00	11:00	1:00								11:00
Volume	2	4	7	10	6	1								23
PM Volumes	4	12	74	88	36	8	0	0	0	0	0	0	0	222
% PM	1%	4%	23%	27%	11%	2%								69%
PM Peak Hour	15:00	18:00	18:00	17:00	17:00	13:00								17:00
Volume	2	3	12	15	9	2								36
Directional Peak Periods			AM 7-9			NOON 12-2			PM 4-6			Off Peak Volumes		
All Speeds			Volume		%	Volume		%	Volume		%	Volume		%
			33	↔	10%	35	↔	11%	55	↔	17%	199	↔	62%

Direction	Percentiles					
	15th	50th	Average	85th	95th	ADT
North Bound	21	27	27	32	35	306
South Bound	21	25	25	30	34	322

VOLUME

Ericson Way Bet Earhart Rd E & Earhart Rd W

Day: Tuesday
 Date: 8/19/2025

City: Laguna Hills
 Project #: CA25_010289_001

DAILY TOTALS						NB	SB	EB	WB	Total	
						264	255	0	0	519	
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
0:00	0	0	0	0		12:00	4	4	0	0	8
0:15	1	1	0	0	2	12:15	4	3	0	0	7
0:30	0	1	0	0	1	12:30	3	5	0	0	8
0:45	0	1	3	0	4	12:45	5	16	4	16	31
1:00	0	0	0	0		13:00	5	4	0	0	9
1:15	1	1	0	0	2	13:15	4	2	0	0	6
1:30	0	0	0	0		13:30	5	6	0	0	11
1:45	0	1	0	1	2	13:45	5	19	3	15	42
2:00	0	0	0	0		14:00	3	3	0	0	6
2:15	0	2	0	0	2	14:15	4	5	0	0	9
2:30	0	0	0	0		14:30	12	6	0	0	18
2:45	0	0	2	0	2	14:45	3	22	1	15	41
3:00	0	0	0	0		15:00	4	3	0	0	7
3:15	0	0	0	0		15:15	6	4	0	0	10
3:30	0	0	0	0		15:30	4	8	0	0	12
3:45	0	0	0	0		15:45	10	24	4	19	57
4:00	0	0	0	0		16:00	5	3	0	0	8
4:15	0	0	0	0		16:15	4	6	0	0	10
4:30	0	0	0	0		16:30	5	4	0	0	9
4:45	1	1	1	0	2	16:45	4	18	4	17	43
5:00	1	0	0	0	1	17:00	4	9	0	0	13
5:15	2	1	0	0	3	17:15	6	4	0	0	10
5:30	1	2	0	0	3	17:30	3	4	0	0	7
5:45	1	5	0	3	8	17:45	3	16	5	22	46
6:00	1	1	0	0	2	18:00	4	4	0	0	8
6:15	0	0	0	0		18:15	5	4	0	0	9
6:30	1	0	0	0	1	18:30	5	5	0	0	10
6:45	4	6	2	3	9	18:45	4	18	8	21	51
7:00	4	5	0	0	9	19:00	3	2	0	0	5
7:15	5	6	0	0	11	19:15	2	7	0	0	9
7:30	5	4	0	0	9	19:30	4	3	0	0	7
7:45	5	19	4	19	38	19:45	1	10	1	13	24
8:00	5	7	0	0	12	20:00	3	2	0	0	5
8:15	9	5	0	0	14	20:15	2	2	0	0	4
8:30	6	3	0	0	9	20:30	1	1	0	0	2
8:45	7	27	7	22	63	20:45	2	8	2	7	19
9:00	3	3	0	0	6	21:00	1	1	0	0	2
9:15	2	3	0	0	5	21:15	2	1	0	0	3
9:30	2	2	0	0	4	21:30	0	0	0	0	0
9:45	3	10	2	10	25	21:45	1	4	2	4	11
10:00	3	4	0	0	7	22:00	1	2	0	0	3
10:15	1	6	0	0	7	22:15	1	0	0	0	1
10:30	4	1	0	0	5	22:30	1	1	0	0	2
10:45	3	11	3	14	21	22:45	1	4	0	3	8
11:00	4	11	0	0	15	23:00	4	1	0	0	5
11:15	6	2	0	0	8	23:15	2	0	0	0	2
11:30	1	7	0	0	8	23:30	1	1	0	0	2
11:45	5	16	2	22	45	23:45	1	8	1	3	12
TOTALS	97	100			197	TOTALS	167	155			322
SPLIT %	49.2%	50.8%			38.0%	SPLIT %	51.9%	48.1%			62.0%

DAILY TOTALS						NB	SB	EB	WB	Total
						264	255	0	0	519
AM Peak Hour	8:00	10:45			8:00	PM Peak Hour	14:30	16:15		15:15
AM Pk Volume	27	23			49	PM Pk Volume	25	23		44
Pk Hr Factor	0.750	0.523			0.875	Pk Hr Factor	0.521	0.639		0.786
7 - 9 Volume	46	41	0	0	87	4 - 6 Volume	34	39	0	73
7 - 9 Peak Hour	8:00	8:00			8:00	4 - 6 Peak Hour	16:30	16:15		16:15
7 - 9 Pk Volume	27	22	0	0	49	4 - 6 Pk Volume	19	23	0	40
Pk Hr Factor	0.750	0.786	0.000	0.000	0.875	Pk Hr Factor	0.792	0.639	0.000	0.769

SPEED

Ericson Way Bet Earhart Rd E & Earhart Rd W

Day: Tuesday
Date: 8/19/2025

City: Laguna Hills
Project #: CA25_010289_001s

South Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
0:00 AM	1	1	0	1	0	0	0	0	0	0	0	0	0	3
1:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1
2:00	0	0	1	1	0	0	0	0	0	0	0	0	0	2
3:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1
5:00	0	1	1	1	0	0	0	0	0	0	0	0	0	3
6:00	0	1	2	0	0	0	0	0	0	0	0	0	0	3
7:00	1	2	11	5	0	0	0	0	0	0	0	0	0	19
8:00	3	1	9	8	1	0	0	0	0	0	0	0	0	22
9:00	1	1	7	1	0	0	0	0	0	0	0	0	0	10
10:00	0	0	8	6	0	0	0	0	0	0	0	0	0	14
11:00	0	2	15	5	0	0	0	0	0	0	0	0	0	22
12:00 PM	1	5	8	2	0	0	0	0	0	0	0	0	0	16
13:00	0	1	11	2	1	0	0	0	0	0	0	0	0	15
14:00	0	2	9	3	1	0	0	0	0	0	0	0	0	15
15:00	0	4	12	3	0	0	0	0	0	0	0	0	0	19
16:00	0	4	8	4	1	0	0	0	0	0	0	0	0	17
17:00	0	3	9	9	1	0	0	0	0	0	0	0	0	22
18:00	0	2	14	5	0	0	0	0	0	0	0	0	0	21
19:00	0	0	7	6	0	0	0	0	0	0	0	0	0	13
20:00	0	3	3	1	0	0	0	0	0	0	0	0	0	7
21:00	1	1	1	1	0	0	0	0	0	0	0	0	0	4
22:00	0	0	2	1	0	0	0	0	0	0	0	0	0	3
23:00	0	0	2	1	0	0	0	0	0	0	0	0	0	3
Totals	8	34	142	66	5									255
% of Totals	3%	13%	56%	26%	2%									100%

AM Volumes	6	9	56	28	1	0	0	0	0	0	0	0	0	100
% AM	2%	4%	22%	11%	0%									39%
AM Peak Hour	8:00	7:00	11:00	8:00	8:00									8:00
Volume	3	2	15	8	1									22
PM Volumes	2	25	86	38	4	0	0	0	0	0	0	0	0	155
% PM	1%	10%	34%	15%	2%									61%
PM Peak Hour	12:00	12:00	18:00	17:00	13:00									17:00
Volume	1	5	14	9	1									22
Directional Peak Periods			AM 7-9			NOON 12-2			PM 4-6			Off Peak Volumes		
All Speeds			Volume		%	Volume		%	Volume		%	Volume		%
			41	↔	16%	31	↔	12%	39	↔	15%	144	↔	56%

Direction	Percentiles					
	15th	50th	Average	85th	95th	ADT
North Bound	18	22	21	25	27	264
South Bound	19	23	22	26	28	255

APPENDIX B

**5-YEAR SWITRS
INTERSECTION COLLISION HISTORY**

CITY OF LAGUNA HILLS
ERICSON WAY, FROM COSTEAU STREET TO PASEO DE VALENCIA
5-YEAR SWITRS COLLISION DATABASE
JAN. 1, 2020 - JUL. 31, 2025

CASE ID	COLL. DATE	COLL. TIME	PRIMARY ROAD	SECONDARY ROAD	DIST.	DIR.	INTERS.	WEATH. 1	COLL. SEVER.	PRIM. COLL.	PCF VIOL.	PCF VIOL.	HIT AND RUN	HIT TYPE OF COLL.	MOTOR VEHICLE INVOLVED WITH	ROAD SURF.
										FACT.	CAT.		AND	COLL.	ROAD	
9049410	20200207	925	PASEO DE VALENCIA	ERICSON WY	15	S	N	A	0	A	8	22107	N	E	I	A
9115200	20200528	55	PASEO DE VALENCIA	ERICSON WY	0		Y	A	0	A	1	23152	N	C	C	A

NOTES:

Weather 1
A - Clear
B - Cloudy
C - Raining
D - Snowing
E - Fog
F - Other
G - Wind
-- Not Stated

Collision Severity
1 - Fatal
2 - Injury (Severe)
3 - Injury (Other Visible)
4 - Injury (Complaint of Pain)
0 - PDO (Property Damage Only)

Primary Collision Factor
A - (Vehicle) Code Violation
B - Other Improper Driving
C - Other Than Driver
D - Unknown
E - Fell Asleep
-- Not Stated

Motor Vehicle Involved With:
A - Non-Collision
B - Pedestrian
C - Other Motor Vehicle
D - Motor Vehicle on Other Roadway
E - Parked Motor Vehicle
F - Train
G - Bicycle
H - Animal
I - Fixed Object
J - Other Object
-- Not Stated

PCF Violation Category
01 - Driving or Bicycling Under Influence
02 - Impeding Traffic
03 - Unsafe Speed
04 - Following Too Closely
05 - Wrong Side of Road
06 - Improper Passing
07 - Unsafe Lane Change
08 - Improper Turning
09 - Automobile ROW
10 - Pedestrian ROW
11 - Pedestrian Violation
12 - Traffic Signals and Signs
13 - Hazardous Parking
14 - Lights
15 - Brakes
16 - Other Equipment
17 - Other Hazardous Violation
18 - Other Than Driver (or Ped)
19 -
20 -
21 - Unsafe Starting or Backing
22 - Other Improper Driving
23 - Pedestrian or "Other" Under the Influence
24 - Fell Asleep
00 - Unknown
-- Not Stated

Hit and Run
F - Felony
M - Misdemeanor
N - Not Hit & Run

Road Surface
A - Dry
B - Wet
C - Snowy or Icy
D - Slippery
-- Not Stated

Type of Collision
A - Head-On
B - Sideswipe
C - Rear-End
D - Broadside
E - Hit Object
F - Overturned
G - Vehicle/Pedestrian
H - Other
-- Not Stated

APPENDIX C

**STOP SIGN COMPLIANCE DATA
(2 LOCATIONS)**

Stop-Sign Compliance Study

Location: Ericson Way (NS) & Earhart Rd (north) (EW)
City: Laguna Hills

Day: Tuesday
Date: 8/19/2025

Stop Sign Compliance [Timestamp]				
Timestamp (hh:mm:ss)	Bound	Movement	Stop Type	Notes
0:18:14	SB	THRU	Rolling Stop	
0:28:48	NB	THRU	Complete stop	
0:43:29	SB	THRU	Complete Stop	
0:45:29	SB	THRU	Rolling Stop	
1:15:32	NB	THRU	Rolling stop	
1:23:34	SB	THRU	Rolling Stop	
1:35:02	SB	LEFT	Rolling Stop	
2:26:03	WB	LEFT	No Stop	
2:26:07	WB	LEFT	Rolling Stop	
4:47:32	NB	THRU	Rolling stop	
4:48:10	WB	RIGHT	Rolling Stop	
4:48:12	SB	THRU	Rolling Stop	
4:58:14	WB	RIGHT	Rolling Stop	
5:11:52	NB	THRU	Rolling stop	
5:17:32	NB	RIGHT	Rolling stop	
5:20:03	SB	THRU	Complete Stop	
5:29:23	NB	THRU	Rolling stop	
5:32:38	NB	THRU	Rolling stop	
5:32:59	WB	LEFT	Rolling Stop	
5:41:52	SB	THRU	Rolling Stop	
5:44:59	SB	LEFT	Rolling Stop	
5:56:24	NB	RIGHT	Rolling stop	
5:57:56	WB	RIGHT	Rolling Stop	
6:03:35	NB	THRU	Rolling stop	
6:10:22	WB	RIGHT	Rolling Stop	
6:12:22	SB	THRU	Rolling Stop	
6:16:27	WB	RIGHT	Rolling Stop	
6:31:59	WB	RIGHT	Rolling Stop	
6:34:52	NB	THRU	Rolling stop	
6:35:58	WB	RIGHT	Rolling Stop	
6:36:45	WB	RIGHT	Rolling Stop	
6:47:32	SB	LEFT	Rolling Stop	
6:49:46	NB	THRU	Rolling stop	
6:51:04	NB	THRU	Complete stop	
6:51:05	SB	THRU	Rolling Stop	
6:53:03	NB	THRU	Rolling stop	
6:53:49	NB	THRU	Rolling stop	
6:54:44	SB	THRU	Rolling Stop	
6:56:40	WB	RIGHT	Rolling Stop	
7:02:03	WB	LEFT	Rolling Stop	
7:03:50	NB	THRU	Rolling stop	
7:04:01	SB	THRU	Rolling Stop	
7:09:24	WB	RIGHT	Rolling Stop	
7:11:27	NB	UTURN	Rolling stop	
7:11:45	NB	THRU	Complete stop	
7:11:55	NB	THRU	Rolling stop	
7:13:43	SB	THRU	Complete Stop	
7:14:18	SB	THRU	Rolling Stop	
7:16:44	SB	THRU	Rolling Stop	
7:18:18	SB	THRU	Rolling Stop	
7:18:20	WB	RIGHT	Rolling Stop	
7:18:44	SB	THRU	Rolling Stop	
7:21:16	SB	THRU	Rolling Stop	
7:22:01	WB	LEFT	Rolling Stop	
7:22:59	SB	LEFT	Rolling Stop	
7:23:12	NB	THRU	Rolling stop	
7:23:13	NB	RIGHT	Complete stop	
7:23:49	WB	RIGHT	Rolling Stop	
7:23:51	SB	THRU	Rolling Stop	
7:25:49	NB	THRU	Complete stop	
7:26:37	WB	RIGHT	Complete Stop	
7:28:56	NB	THRU	Rolling stop	
7:29:55	NB	THRU	Rolling stop	
7:30:01	SB	THRU	Complete Stop	
7:30:12	WB	RIGHT	No Stop	
7:32:05	NB	RIGHT	Rolling stop	
7:32:25	SB	THRU	Rolling Stop	
7:32:37	NB	THRU	Rolling stop	
7:34:02	WB	RIGHT	Rolling Stop	

Stop-Sign Compliance Study

Location: Ericson Way (NS) & Earhart Rd (north) (EW)
City: Laguna Hills

Day: Tuesday
Date: 8/19/2025

Stop Sign Compliance [Timestamp]				
Timestamp (hh:mm:ss)	Bound	Movement	Stop Type	Notes
7:38:02	SB	THRU	Rolling Stop	
7:38:35	NB	RIGHT	Rolling stop	
7:38:50	SB	LEFT	Rolling Stop	
7:41:04	NB	THRU	Rolling stop	
7:42:14	SB	THRU	Rolling Stop	
7:42:45	NB	RIGHT	Rolling stop	
7:46:58	WB	LEFT	Rolling Stop	
7:48:36	WB	RIGHT	Rolling Stop	
7:50:03	WB	LEFT	Rolling Stop	
7:50:09	NB	THRU	Complete stop	
7:52:33	NB	THRU	Complete stop	
7:54:10	WB	RIGHT	No Stop	
7:54:18	NB	RIGHT	Rolling stop	
7:55:03	SB	THRU	Rolling Stop	
7:56:04	WB	RIGHT	Rolling Stop	
7:56:53	NB	THRU	Rolling stop	
7:57:15	SB	THRU	Complete Stop	
7:59:55	NB	THRU	Rolling stop	
8:00:10	SB	THRU	No Stop	
8:01:54	NB	THRU	Rolling stop	
8:04:19	SB	LEFT	Rolling Stop	
8:05:26	NB	THRU	Rolling stop	
8:06:11	SB	THRU	Rolling Stop	
8:06:18	WB	RIGHT	Rolling Stop	
8:07:16	NB	UTURN	Rolling stop	
8:09:37	SB	LEFT	Rolling Stop	
8:09:47	SB	THRU	Rolling Stop	
8:11:56	SB	THRU	Rolling Stop	
8:12:21	SB	THRU	Rolling Stop	
8:12:37	NB	THRU	Rolling stop	
8:12:45	SB	THRU	Rolling Stop	
8:13:29	NB	THRU	Rolling stop	
8:13:34	NB	THRU	Rolling stop	
8:14:43	SB	LEFT	Rolling Stop	
8:16:02	NB	THRU	Rolling stop	
8:16:25	NB	THRU	Rolling stop	
8:16:49	WB	RIGHT	Complete Stop	
8:16:50	NB	THRU	Rolling stop	
8:17:23	SB	THRU	Rolling Stop	
8:18:07	NB	THRU	Rolling stop	
8:19:59	NB	THRU	Rolling stop	
8:20:17	WB	LEFT	Rolling Stop	
8:20:35	SB	THRU	Rolling Stop	
8:21:22	NB	THRU	Rolling stop	
8:22:22	SB	THRU	Complete Stop	
8:23:18	NB	RIGHT	Rolling stop	
8:23:50	SB	THRU	Rolling Stop	
8:25:19	WB	RIGHT	Rolling Stop	
8:26:07	NB	THRU	Rolling stop	
8:30:39	NB	THRU	Rolling stop	
8:30:54	SB	THRU	Complete Stop	
8:33:11	SB	LEFT	Rolling Stop	
8:34:27	SB	THRU	Rolling Stop	
8:35:32	NB	RIGHT	Rolling stop	
8:35:42	WB	RIGHT	Rolling Stop	
8:37:11	NB	THRU	Rolling stop	
8:37:29	NB	THRU	Rolling stop	
8:38:22	SB	THRU	Rolling Stop	
8:39:02	WB	RIGHT	Rolling Stop	
8:39:19	NB	RIGHT	Rolling stop	
8:42:07	NB	THRU	Complete stop	
8:46:21	WB	RIGHT	Rolling Stop	
8:46:28	WB	LEFT	Rolling Stop	
8:46:55	SB	THRU	Rolling Stop	
8:48:47	SB	THRU	Rolling Stop	
8:49:03	WB	LEFT	Rolling Stop	
8:49:36	NB	THRU	Rolling stop	
8:49:43	SB	THRU	Rolling Stop	
8:51:35	NB	UTURN	Rolling stop	

Stop-Sign Compliance Study

Location: Ericson Way (NS) & Earhart Rd (north) (EW)
City: Laguna Hills

Day: Tuesday
Date: 8/19/2025

Stop Sign Compliance [Timestamp]				
Timestamp (hh:mm:ss)	Bound	Movement	Stop Type	Notes
8:51:58	NB	THRU	Rolling stop	
8:52:45	NB	THRU	Rolling stop	
8:52:59	NB	THRU	Rolling stop	
8:54:57	SB	THRU	Rolling Stop	
8:57:11	SB	THRU	Rolling Stop	
8:57:31	WB	RIGHT	Rolling Stop	
8:58:56	NB	THRU	Rolling stop	
9:01:07	SB	THRU	Rolling Stop	
9:02:05	NB	THRU	Rolling stop	
9:02:33	WB	RIGHT	Complete Stop	
9:03:42	NB	RIGHT	Rolling stop	
9:04:41	SB	THRU	Rolling Stop	
9:12:49	WB	LEFT	Rolling Stop	
9:15:02	SB	LEFT	Complete Stop	
9:15:08	SB	THRU	Rolling Stop	
9:15:15	SB	LEFT	Rolling Stop	
9:19:31	NB	THRU	Complete stop	
9:23:32	SB	THRU	Rolling Stop	
9:23:53	WB	RIGHT	Complete Stop	
9:24:20	WB	RIGHT	Rolling Stop	
9:27:15	NB	THRU	Rolling stop	
9:29:03	SB	LEFT	Rolling Stop	
9:32:18	SB	THRU	Rolling Stop	
9:32:30	WB	RIGHT	Rolling Stop	
9:36:31	WB	RIGHT	Rolling Stop	
9:37:02	NB	THRU	Rolling stop	
9:41:07	NB	THRU	Rolling stop	
9:42:12	SB	UTURN	Rolling Stop	
9:43:31	WB	RIGHT	Rolling Stop	
9:45:05	SB	LEFT	Rolling Stop	
9:45:39	NB	RIGHT	Rolling stop	
9:46:03	SB	THRU	Rolling Stop	
9:47:08	NB	RIGHT	Rolling stop	
9:47:56	WB	LEFT	Complete Stop	
9:49:51	WB	RIGHT	Rolling Stop	
9:52:41	WB	RIGHT	Rolling Stop	
9:53:37	NB	THRU	Rolling stop	
10:00:55	SB	THRU	Rolling Stop	
10:01:05	SB	THRU	Rolling Stop	
10:08:32	SB	THRU	Rolling Stop	
10:08:43	WB	RIGHT	Rolling Stop	
10:08:50	NB	THRU	Rolling stop	
10:10:55	SB	THRU	Rolling Stop	
10:11:09	NB	RIGHT	Rolling stop	
10:13:25	NB	RIGHT	Rolling stop	
10:15:32	NB	UTURN	Rolling stop	
10:15:52	SB	THRU	Rolling Stop	
10:16:02	SB	THRU	Rolling Stop	
10:16:58	SB	LEFT	No Stop	
10:17:03	SB	THRU	Rolling Stop	
10:18:52	WB	RIGHT	Rolling Stop	
10:18:55	SB	THRU	Rolling Stop	
10:22:18	SB	LEFT	Rolling Stop	
10:22:34	WB	RIGHT	Rolling Stop	
10:22:57	SB	THRU	Rolling Stop	
10:23:24	WB	RIGHT	Rolling Stop	
10:24:01	WB	RIGHT	Rolling Stop	
10:24:44	WB	RIGHT	Rolling Stop	
10:26:31	WB	RIGHT	Rolling Stop	
10:27:08	SB	THRU	Rolling Stop	
10:29:17	WB	RIGHT	Rolling Stop	
10:31:18	SB	UTURN	Rolling Stop	
10:32:58	NB	THRU	Rolling stop	
10:33:39	NB	THRU	Rolling stop	
10:33:43	SB	LEFT	Rolling Stop	
10:36:45	SB	THRU	Rolling Stop	
10:37:49	WB	RIGHT	Rolling Stop	
10:42:27	NB	THRU	Rolling stop	
10:43:54	NB	THRU	Rolling stop	

Stop-Sign Compliance Study

Location: Ericson Way (NS) & Earhart Rd (north) (EW)
City: Laguna Hills

Day: Tuesday
Date: 8/19/2025

Stop Sign Compliance [Timestamp]				
Timestamp (hh:mm:ss)	Bound	Movement	Stop Type	Notes
10:45:57	SB	THRU	Rolling Stop	
10:47:59	SB	LEFT	Rolling Stop	
10:49:14	WB	RIGHT	No Stop	
10:50:05	SB	THRU	Rolling Stop	
10:50:34	NB	RIGHT	Complete stop	
10:53:32	NB	THRU	Rolling stop	
10:55:38	NB	THRU	Rolling stop	
10:58:15	SB	THRU	Rolling Stop	
10:58:34	WB	RIGHT	Rolling Stop	
11:00:38	NB	THRU	Rolling stop	
11:02:25	SB	THRU	Rolling Stop	
11:02:39	NB	THRU	Rolling stop	
11:03:09	SB	LEFT	No Stop	
11:03:21	NB	THRU	Rolling stop	
11:03:25	SB	LEFT	Rolling Stop	
11:03:40	SB	THRU	Rolling Stop	
11:03:55	SB	THRU	Rolling Stop	
11:05:31	WB	LEFT	Rolling Stop	
11:07:09	SB	THRU	Rolling Stop	
11:08:31	NB	THRU	Rolling stop	
11:10:46	WB	LEFT	Rolling Stop	
11:11:40	SB	THRU	Rolling Stop	
11:12:07	SB	THRU	Rolling Stop	
11:12:27	WB	LEFT	Rolling Stop	
11:12:54	SB	THRU	Rolling Stop	
11:13:05	SB	THRU	Rolling Stop	
11:13:32	WB	RIGHT	Rolling Stop	
11:18:59	SB	LEFT	Rolling Stop	
11:19:57	NB	THRU	Rolling stop	
11:19:59	WB	RIGHT	Rolling Stop	
11:20:50	SB	LEFT	Rolling Stop	
11:21:23	NB	RIGHT	Rolling stop	
11:21:36	NB	THRU	Rolling stop	
11:23:28	WB	RIGHT	Rolling Stop	
11:23:34	SB	THRU	Complete Stop	
11:25:04	WB	RIGHT	Rolling Stop	
11:25:32	SB	THRU	Rolling Stop	
11:26:37	NB	THRU	Rolling stop	
11:27:02	NB	THRU	Rolling stop	
11:30:25	NB	THRU	Rolling stop	
11:31:24	SB	LEFT	Rolling Stop	
11:32:30	SB	LEFT	Rolling Stop	
11:34:39	WB	RIGHT	Rolling Stop	
11:35:39	SB	THRU	Rolling Stop	
11:36:25	SB	THRU	Rolling Stop	
11:38:42	SB	THRU	Rolling Stop	
11:40:17	SB	THRU	Rolling Stop	
11:42:35	WB	RIGHT	Rolling Stop	
11:43:26	SB	THRU	Complete Stop	
11:44:58	WB	RIGHT	Rolling Stop	
11:45:58	WB	RIGHT	Rolling Stop	
11:46:03	SB	THRU	Rolling Stop	
11:49:08	NB	THRU	Rolling stop	
11:53:41	SB	LEFT	Rolling Stop	
11:57:11	NB	THRU	Rolling stop	
11:57:51	SB	LEFT	Rolling Stop	
11:58:44	NB	THRU	Complete stop	
11:59:00	NB	THRU	Rolling stop	
11:59:04	SB	LEFT	Rolling Stop	
11:59:54	SB	THRU	Rolling Stop	
12:00:03	NB	RIGHT	Rolling stop	
12:02:01	NB	THRU	Rolling stop	
12:02:46	NB	THRU	Rolling stop	
12:03:19	NB	THRU	Rolling stop	
12:05:31	NB	THRU	No Stop	
12:09:00	SB	THRU	Rolling Stop	
12:09:44	SB	THRU	Rolling Stop	
12:12:23	SB	THRU	Rolling Stop	
12:14:05	SB	THRU	Complete Stop	

Stop-Sign Compliance Study

Location: Ericson Way (NS) & Earhart Rd (north) (EW)
City: Laguna Hills

Day: Tuesday
Date: 8/19/2025

Stop Sign Compliance [Timestamp]				
Timestamp (hh:mm:ss)	Bound	Movement	Stop Type	Notes
12:14:17	WB	RIGHT	Complete Stop	
12:14:23	WB	RIGHT	Rolling Stop	
12:20:18	NB	THRU	Rolling stop	
12:20:27	NB	THRU	Rolling stop	
12:20:56	NB	THRU	Rolling stop	
12:21:19	WB	RIGHT	Rolling Stop	
12:23:24	SB	THRU	Rolling Stop	
12:23:31	SB	THRU	Rolling Stop	
12:24:21	SB	LEFT	Rolling Stop	
12:25:15	WB	RIGHT	Rolling Stop	
12:26:18	SB	THRU	Rolling Stop	
12:28:59	WB	RIGHT	Complete Stop	
12:29:00	NB	THRU	Rolling stop	
12:31:24	SB	THRU	Rolling Stop	
12:31:51	NB	THRU	Rolling stop	
12:35:43	SB	THRU	Rolling Stop	
12:35:47	NB	THRU	Rolling stop	
12:41:51	NB	THRU	Rolling stop	
12:44:27	SB	THRU	Rolling Stop	
12:45:45	NB	RIGHT	Rolling stop	
12:46:03	SB	THRU	Rolling Stop	
12:47:12	NB	THRU	Rolling stop	
12:48:41	NB	THRU	Rolling stop	
12:49:02	SB	LEFT	Rolling Stop	
12:50:00	SB	THRU	Rolling Stop	
12:50:06	SB	UTURN	Rolling Stop	
12:51:47	WB	RIGHT	Rolling Stop	
12:52:00	NB	THRU	Rolling stop	
12:52:41	WB	RIGHT	Rolling Stop	
12:57:14	SB	LEFT	Rolling Stop	
12:57:18	SB	THRU	Rolling Stop	
12:58:41	NB	UTURN	Rolling stop	
13:05:24	SB	THRU	Rolling Stop	
13:05:50	SB	THRU	Rolling Stop	
13:07:04	WB	LEFT	Rolling Stop	
13:07:49	NB	RIGHT	Rolling stop	
13:09:14	NB	THRU	Rolling stop	
13:09:59	SB	LEFT	Rolling Stop	
13:11:18	SB	THRU	Rolling Stop	
13:11:44	NB	THRU	Rolling stop	
13:13:15	NB	THRU	Rolling stop	
13:13:51	NB	THRU	Complete stop	
13:15:11	NB	RIGHT	Rolling stop	
13:15:14	SB	LEFT	Rolling Stop	
13:16:01	NB	THRU	Rolling stop	
13:17:11	SB	THRU	Rolling Stop	
13:20:12	NB	THRU	Rolling stop	
13:20:14	NB	RIGHT	Rolling stop	
13:21:48	WB	RIGHT	Rolling Stop	
13:23:45	SB	LEFT	Rolling Stop	
13:27:46	SB	THRU	Rolling Stop	
13:31:26	NB	UTURN	Rolling stop	
13:31:41	SB	THRU	Complete Stop	
13:34:26	SB	LEFT	Rolling Stop	
13:34:55	NB	RIGHT	Rolling stop	
13:36:27	SB	THRU	Rolling Stop	
13:36:30	NB	THRU	Rolling stop	
13:36:43	WB	RIGHT	Rolling Stop	
13:39:05	NB	RIGHT	Rolling stop	
13:39:30	SB	THRU	Rolling Stop	
13:40:06	NB	THRU	Rolling stop	
13:41:16	SB	THRU	Rolling Stop	
13:41:22	SB	LEFT	Rolling Stop	
13:42:54	SB	THRU	No Stop	
13:44:09	WB	RIGHT	Rolling Stop	
13:44:42	WB	LEFT	Rolling Stop	
13:44:55	WB	RIGHT	Rolling Stop	
13:45:13	NB	THRU	Rolling stop	
13:45:30	NB	UTURN	Rolling stop	

Stop-Sign Compliance Study

Location: Ericson Way (NS) & Earhart Rd (north) (EW)
City: Laguna Hills

Day: Tuesday
Date: 8/19/2025

Stop Sign Compliance [Timestamp]				
Timestamp (hh:mm:ss)	Bound	Movement	Stop Type	Notes
13:47:01	SB	THRU	Rolling Stop	
13:48:14	WB	RIGHT	Rolling Stop	
13:48:51	WB	RIGHT	Complete Stop	
13:50:05	SB	THRU	Rolling Stop	
13:52:55	SB	LEFT	Rolling Stop	
13:53:14	NB	THRU	Rolling stop	
13:54:57	SB	THRU	Rolling Stop	
13:56:17	WB	RIGHT	Rolling stop	
13:56:35	NB	THRU	Rolling stop	
13:57:07	SB	LEFT	Rolling Stop	
13:59:59	NB	THRU	Rolling stop	
14:00:26	WB	RIGHT	No Stop	
14:04:07	SB	THRU	Rolling Stop	
14:04:52	SB	THRU	Rolling Stop	
14:08:48	NB	THRU	Rolling stop	
14:09:08	SB	LEFT	Rolling Stop	
14:09:17	WB	RIGHT	Rolling Stop	
14:11:00	WB	LEFT	Rolling Stop	
14:13:04	NB	THRU	Rolling stop	
14:14:30	NB	RIGHT	Rolling stop	
14:17:25	SB	THRU	Rolling Stop	
14:21:14	SB	LEFT	Rolling Stop	
14:22:04	SB	THRU	Rolling Stop	
14:23:36	NB	RIGHT	Rolling stop	
14:24:03	NB	RIGHT	Rolling stop	
14:24:10	NB	RIGHT	Rolling stop	
14:25:08	SB	THRU	Rolling Stop	
14:25:25	SB	THRU	Rolling Stop	
14:27:54	SB	THRU	No Stop	
14:28:38	NB	THRU	Rolling stop	
14:33:19	SB	THRU	Rolling Stop	
14:33:40	NB	THRU	Rolling stop	
14:34:00	NB	RIGHT	Rolling stop	
14:35:10	SB	THRU	Rolling Stop	
14:36:15	NB	RIGHT	Rolling stop	
14:36:21	WB	RIGHT	Rolling Stop	
14:36:24	NB	THRU	Rolling stop	
14:38:27	SB	THRU	Rolling Stop	
14:38:33	NB	THRU	Rolling stop	
14:38:45	WB	LEFT	Rolling Stop	
14:38:56	NB	THRU	Complete stop	
14:38:57	NB	RIGHT	Complete stop	
14:38:58	SB	LEFT	Complete Stop	
14:39:04	SB	THRU	Complete Stop	
14:39:08	NB	THRU	Rolling stop	
14:39:59	NB	THRU	Rolling stop	
14:40:13	NB	THRU	Rolling stop	
14:41:25	NB	THRU	Complete stop	
14:42:19	NB	THRU	Rolling stop	
14:43:19	WB	RIGHT	Rolling Stop	
14:43:41	WB	RIGHT	Rolling Stop	
14:44:31	SB	THRU	Rolling Stop	
14:45:42	NB	THRU	Rolling stop	
14:45:50	SB	THRU	Rolling Stop	
14:49:33	WB	RIGHT	Rolling Stop	
14:50:10	SB	LEFT	Rolling Stop	
14:51:01	NB	THRU	Rolling stop	
14:52:21	WB	RIGHT	Rolling Stop	
14:52:49	NB	THRU	Rolling stop	
14:54:42	SB	LEFT	Rolling Stop	
15:01:37	WB	LEFT	Rolling Stop	
15:03:04	WB	RIGHT	Rolling Stop	
15:04:57	WB	RIGHT	Rolling Stop	
15:09:21	NB	THRU	Rolling stop	
15:09:45	WB	RIGHT	Rolling Stop	
15:11:53	SB	LEFT	Rolling Stop	
15:11:57	NB	THRU	Complete stop	
15:12:13	NB	THRU	Rolling stop	
15:13:01	SB	THRU	Rolling Stop	

Stop-Sign Compliance Study

Location: Ericson Way (NS) & Earhart Rd (north) (EW)
City: Laguna Hills

Day: Tuesday
Date: 8/19/2025

Stop Sign Compliance [Timestamp]				
Timestamp (hh:mm:ss)	Bound	Movement	Stop Type	Notes
15:13:39	NB	RIGHT	Rolling stop	
15:14:45	SB	THRU	Complete Stop	
15:15:45	WB	RIGHT	Rolling Stop	
15:16:17	NB	THRU	Rolling stop	
15:17:42	WB	RIGHT	Rolling Stop	
15:18:33	SB	LEFT	Rolling Stop	
15:19:12	SB	THRU	Rolling Stop	
15:19:42	NB	RIGHT	Rolling stop	
15:20:47	SB	THRU	Rolling Stop	
15:22:44	SB	LEFT	Rolling Stop	
15:23:00	NB	RIGHT	Rolling stop	
15:23:44	SB	THRU	Rolling Stop	
15:24:04	SB	LEFT	Complete Stop	
15:24:27	NB	THRU	Rolling stop	
15:26:45	WB	RIGHT	Rolling Stop	
15:26:56	NB	RIGHT	Rolling stop	
15:27:33	SB	LEFT	Rolling Stop	
15:28:07	NB	THRU	Complete stop	
15:30:03	SB	THRU	Rolling Stop	
15:31:10	NB	THRU	Complete stop	
15:31:38	WB	RIGHT	Rolling Stop	
15:31:58	WB	LEFT	Rolling Stop	
15:32:10	SB	THRU	Complete Stop	
15:33:32	SB	THRU	Rolling Stop	
15:33:53	SB	LEFT	Rolling Stop	
15:34:51	NB	THRU	Rolling stop	
15:35:45	SB	LEFT	Rolling Stop	
15:36:08	SB	THRU	Rolling Stop	
15:36:13	SB	LEFT	Rolling Stop	
15:36:47	SB	THRU	Rolling Stop	
15:37:12	NB	THRU	Rolling stop	
15:38:21	SB	LEFT	Rolling Stop	
15:41:14	SB	LEFT	Rolling Stop	
15:43:30	SB	LEFT	Rolling Stop	
15:43:53	NB	UTURN	Rolling stop	
15:45:46	NB	RIGHT	Rolling stop	
15:46:14	NB	THRU	Rolling stop	
15:46:38	SB	LEFT	Complete Stop	
15:47:03	SB	LEFT	Rolling Stop	
15:48:40	SB	LEFT	Rolling Stop	
15:49:14	NB	THRU	Rolling stop	
15:51:05	NB	THRU	Rolling stop	
15:52:31	SB	LEFT	Rolling Stop	
15:53:55	NB	THRU	Complete stop	
15:54:00	NB	THRU	Rolling stop	
15:54:14	NB	THRU	Rolling stop	
15:54:42	NB	UTURN	Rolling stop	
15:55:34	NB	RIGHT	Rolling stop	
15:56:32	SB	THRU	Rolling Stop	
15:57:05	SB	THRU	Rolling Stop	
15:57:43	NB	THRU	Rolling stop	
15:58:14	SB	THRU	Rolling Stop	
15:58:51	SB	THRU	Rolling Stop	
16:03:48	WB	RIGHT	Rolling Stop	
16:03:59	NB	THRU	Complete stop	
16:04:04	NB	THRU	Rolling stop	
16:04:28	SB	THRU	Rolling Stop	
16:06:58	SB	LEFT	Rolling Stop	
16:08:07	WB	LEFT	Rolling Stop	
16:08:14	NB	THRU	Complete stop	
16:09:31	NB	THRU	Complete stop	
16:10:20	WB	RIGHT	Rolling Stop	
16:10:41	WB	RIGHT	Rolling Stop	
16:12:27	SB	THRU	Rolling Stop	
16:13:56	NB	RIGHT	Rolling stop	
16:16:32	NB	THRU	Rolling stop	
16:18:55	NB	THRU	Rolling stop	
16:18:56	SB	THRU	Rolling Stop	
16:19:13	NB	THRU	Rolling stop	

Stop-Sign Compliance Study

Location: Ericson Way (NS) & Earhart Rd (north) (EW)
City: Laguna Hills

Day: Tuesday
Date: 8/19/2025

Stop Sign Compliance [Timestamp]				
Timestamp (hh:mm:ss)	Bound	Movement	Stop Type	Notes
16:22:07	NB	THRU	Rolling stop	
16:23:09	SB	LEFT	Rolling Stop	
16:23:55	SB	THRU	Rolling Stop	
16:24:27	WB	RIGHT	Rolling Stop	
16:24:55	WB	UTURN	Rolling Stop	
16:25:43	SB	THRU	Rolling Stop	
16:25:50	SB	THRU	Rolling Stop	
16:27:05	WB	LEFT	Rolling Stop	
16:27:27	SB	LEFT	Rolling Stop	
16:29:05	WB	RIGHT	Rolling Stop	
16:30:50	NB	THRU	Rolling stop	
16:31:05	SB	LEFT	Rolling Stop	
16:31:11	SB	THRU	Rolling Stop	
16:31:17	SB	LEFT	Rolling Stop	
16:32:31	SB	LEFT	Rolling Stop	
16:35:07	WB	LEFT	Rolling Stop	
16:37:49	SB	THRU	Complete Stop	
16:39:00	NB	THRU	Rolling stop	
16:41:06	NB	THRU	Complete stop	
16:41:07	SB	THRU	Rolling Stop	
16:41:14	NB	THRU	Rolling stop	
16:42:52	NB	THRU	Rolling stop	
16:46:08	SB	THRU	Rolling Stop	
16:47:54	WB	LEFT	Rolling Stop	
16:50:49	SB	THRU	Rolling Stop	
16:52:14	NB	RIGHT	Rolling stop	
16:53:41	SB	LEFT	Rolling Stop	
16:53:59	NB	THRU	Rolling stop	
16:56:15	NB	RIGHT	Rolling stop	
16:56:41	NB	RIGHT	Rolling stop	
16:57:12	WB	RIGHT	Rolling Stop	
16:58:53	SB	THRU	Rolling Stop	
17:00:21	NB	THRU	Complete stop	
17:00:28	NB	RIGHT	Rolling stop	
17:00:50	SB	LEFT	Rolling Stop	
17:05:37	SB	LEFT	Rolling Stop	
17:05:57	NB	RIGHT	Rolling stop	
17:06:09	SB	THRU	Rolling Stop	
17:06:36	WB	LEFT	Rolling Stop	
17:06:46	WB	RIGHT	Rolling Stop	
17:06:49	SB	THRU	Rolling Stop	
17:07:08	SB	THRU	Rolling Stop	
17:07:46	SB	LEFT	Rolling Stop	
17:07:52	SB	LEFT	Rolling Stop	
17:07:55	NB	THRU	Complete stop	
17:09:25	SB	THRU	Complete Stop	
17:09:25	WB	RIGHT	Rolling Stop	
17:10:18	SB	LEFT	Rolling Stop	
17:10:31	SB	THRU	Rolling Stop	
17:10:40	SB	THRU	Rolling Stop	
17:11:10	SB	THRU	Rolling Stop	
17:12:26	SB	LEFT	Rolling Stop	
17:13:41	SB	LEFT	Rolling Stop	
17:15:40	WB	THRU	Rolling Stop	
17:16:05	NB	RIGHT	Rolling stop	
17:16:05	SB	THRU	Rolling Stop	
17:18:22	WB	RIGHT	Rolling Stop	
17:19:17	SB	THRU	Rolling Stop	
17:21:03	SB	LEFT	Rolling Stop	
17:21:11	SB	LEFT	Rolling Stop	
17:22:19	NB	THRU	Rolling stop	
17:23:57	SB	THRU	Rolling Stop	
17:25:15	NB	RIGHT	Rolling stop	
17:25:57	NB	THRU	Rolling stop	
17:28:24	WB	LEFT	Rolling Stop	
17:29:36	NB	RIGHT	Rolling stop	
17:30:47	WB	RIGHT	Rolling Stop	
17:32:24	SB	THRU	Rolling Stop	
17:33:40	SB	LEFT	Rolling Stop	

Stop-Sign Compliance Study

Location: Ericson Way (NS) & Earhart Rd (north) (EW)
City: Laguna Hills

Day: Tuesday
Date: 8/19/2025

Stop Sign Compliance [Timestamp]				
Timestamp (hh:mm:ss)	Bound	Movement	Stop Type	Notes
17:33:44	SB	LEFT	Rolling Stop	
17:34:39	WB	RIGHT	Rolling Stop	
17:34:44	WB	RIGHT	Rolling Stop	
17:35:14	SB	LEFT	Rolling Stop	
17:37:12	SB	THRU	Rolling Stop	
17:37:17	NB	THRU	Rolling stop	
17:38:54	SB	LEFT	Complete Stop	
17:40:32	NB	RIGHT	Rolling stop	
17:41:01	WB	RIGHT	Rolling Stop	
17:42:25	WB	RIGHT	Rolling Stop	
17:42:44	SB	LEFT	Rolling Stop	
17:42:50	SB	LEFT	Rolling Stop	
17:43:09	WB	LEFT	Rolling Stop	
17:43:49	WB	LEFT	Rolling Stop	
17:44:47	WB	RIGHT	Rolling Stop	
17:45:05	NB	RIGHT	Rolling stop	
17:47:53	SB	LEFT	Rolling Stop	
17:51:48	NB	THRU	Rolling stop	
17:52:38	SB	THRU	Rolling Stop	
17:54:31	SB	LEFT	Rolling Stop	
17:57:10	SB	THRU	Rolling Stop	
17:57:22	SB	THRU	Rolling Stop	
17:57:34	NB	THRU	Rolling stop	
17:58:02	SB	THRU	Rolling Stop	
17:59:17	SB	THRU	Rolling Stop	
17:59:28	NB	THRU	Rolling stop	
18:01:00	NB	THRU	Complete stop	
18:04:30	WB	LEFT	Rolling Stop	
18:06:00	SB	THRU	Rolling Stop	
18:06:24	WB	RIGHT	Rolling Stop	
18:08:14	SB	THRU	Rolling Stop	
18:08:35	NB	THRU	Rolling stop	
18:11:20	SB	LEFT	Rolling Stop	
18:12:41	NB	RIGHT	Rolling stop	
18:12:43	NB	THRU	Rolling stop	
18:13:12	SB	THRU	Complete Stop	
18:13:16	WB	RIGHT	Rolling Stop	
18:14:07	SB	LEFT	Rolling Stop	
18:14:24	WB	RIGHT	No Stop	
18:15:07	SB	LEFT	Rolling Stop	
18:17:23	NB	THRU	Rolling stop	
18:17:26	WB	RIGHT	Rolling Stop	
18:17:41	WB	RIGHT	Rolling Stop	
18:17:46	SB	LEFT	Rolling Stop	
18:17:51	NB	THRU	Rolling stop	
18:20:15	SB	LEFT	Rolling Stop	
18:20:32	SB	THRU	Rolling Stop	
18:22:38	WB	RIGHT	Rolling Stop	
18:22:41	SB	THRU	Rolling Stop	
18:23:25	SB	THRU	Complete Stop	
18:23:38	SB	THRU	Rolling Stop	
18:26:23	NB	THRU	Rolling stop	
18:27:38	WB	LEFT	Rolling Stop	
18:29:21	NB	THRU	Rolling stop	
18:32:10	NB	THRU	Rolling stop	
18:32:10	SB	THRU	Rolling Stop	
18:33:04	NB	THRU	Rolling stop	
18:33:55	NB	THRU	Rolling stop	
18:34:21	SB	THRU	Rolling Stop	
18:38:45	SB	THRU	Rolling Stop	
18:39:51	SB	LEFT	Complete Stop	
18:40:17	SB	THRU	Rolling Stop	
18:40:30	SB	THRU	Rolling Stop	
18:41:47	WB	RIGHT	Rolling Stop	
18:41:52	NB	RIGHT	Rolling stop	
18:42:58	NB	THRU	Rolling stop	
18:44:28	WB	LEFT	Rolling Stop	
18:45:22	NB	RIGHT	Rolling stop	
18:47:03	SB	THRU	Rolling Stop	

Stop-Sign Compliance Study

Location: Ericson Way (NS) & Earhart Rd (north) (EW)
City: Laguna Hills

Day: Tuesday
Date: 8/19/2025

Stop Sign Compliance [Timestamp]				
Timestamp (hh:mm:ss)	Bound	Movement	Stop Type	Notes
18:47:11	NB	RIGHT	Rolling stop	
18:47:17	NB	UTURN	Complete stop	
18:47:49	WB	RIGHT	Rolling Stop	
18:48:21	SB	THRU	Rolling Stop	
18:49:35	SB	THRU	Rolling Stop	
18:49:44	SB	THRU	Rolling Stop	
18:50:26	SB	LEFT	Rolling Stop	
18:52:29	SB	LEFT	Rolling Stop	
18:53:49	SB	THRU	Rolling Stop	
18:54:16	WB	RIGHT	Rolling Stop	
18:57:12	WB	RIGHT	Rolling Stop	
18:57:29	SB	LEFT	Rolling Stop	
18:57:44	NB	THRU	Rolling stop	
18:58:05	SB	THRU	Rolling Stop	
18:59:46	SB	THRU	Complete Stop	
18:59:50	SB	THRU	Rolling Stop	
19:00:23	WB	RIGHT	Rolling Stop	
19:01:10	NB	THRU	Complete stop	
19:02:14	SB	LEFT	Rolling Stop	
19:03:01	WB	RIGHT	Rolling Stop	
19:04:55	SB	THRU	Rolling Stop	
19:05:44	WB	LEFT	Rolling Stop	
19:08:57	SB	LEFT	Rolling Stop	
19:09:32	NB	THRU	Rolling stop	
19:10:52	NB	RIGHT	Rolling stop	
19:13:43	SB	LEFT	Rolling Stop	
19:16:28	SB	THRU	Rolling Stop	
19:18:28	SB	THRU	Rolling Stop	
19:20:48	NB	THRU	Rolling stop	
19:21:06	NB	THRU	Rolling stop	
19:21:26	SB	THRU	Rolling Stop	
19:22:39	SB	THRU	Rolling Stop	
19:23:11	SB	THRU	Rolling Stop	
19:23:14	SB	THRU	Rolling Stop	
19:25:04	SB	LEFT	Rolling Stop	
19:25:25	SB	THRU	Rolling Stop	
19:25:46	SB	LEFT	Rolling Stop	
19:32:48	SB	THRU	Rolling Stop	
19:35:50	WB	RIGHT	Rolling Stop	
19:36:14	SB	LEFT	Rolling Stop	
19:36:25	SB	LEFT	Rolling Stop	
19:37:03	SB	THRU	Rolling Stop	
19:40:47	SB	THRU	Rolling Stop	
19:41:20	NB	THRU	Rolling stop	
19:42:13	NB	THRU	Rolling stop	
19:42:27	NB	THRU	Rolling stop	
19:44:18	WB	RIGHT	Rolling Stop	
19:44:40	NB	THRU	Complete stop	
19:52:37	SB	LEFT	Rolling Stop	
19:52:53	SB	THRU	Rolling Stop	
19:53:16	SB	LEFT	Rolling Stop	
19:54:09	SB	THRU	Rolling Stop	
19:57:03	WB	RIGHT	Rolling Stop	
19:58:03	NB	THRU	Rolling stop	
20:02:39	SB	THRU	Complete Stop	
20:03:28	NB	THRU	Rolling stop	
20:13:54	WB	RIGHT	Complete Stop	
20:14:16	NB	THRU	Complete stop	
20:14:26	NB	THRU	Rolling stop	
20:14:29	SB	THRU	Rolling Stop	
20:15:10	NB	THRU	No Stop	
20:21:11	SB	LEFT	Rolling Stop	
20:23:14	SB	LEFT	Rolling Stop	
20:26:26	SB	THRU	Rolling Stop	
20:27:22	NB	THRU	Rolling stop	
20:29:08	WB	LEFT	Rolling Stop	
20:31:13	SB	LEFT	Rolling Stop	
20:36:40	SB	THRU	Rolling Stop	
20:40:25	NB	THRU	Rolling stop	

Stop-Sign Compliance Study

Location: Ericson Way (NS) & Earhart Rd (north) (EW)
 City: Laguna Hills

Day: Tuesday
 Date: 8/19/2025

Stop Sign Compliance [Timestamp]				
Timestamp (hh:mm:ss)	Bound	Movement	Stop Type	Notes
20:40:33	NB	THRU	Complete stop	
20:41:09	SB	LEFT	Rolling Stop	
20:46:21	WB	RIGHT	Rolling Stop	
20:47:06	NB	THRU	Rolling stop	
20:48:33	SB	THRU	Rolling Stop	
20:51:10	SB	LEFT	Rolling Stop	
20:52:35	SB	THRU	Rolling Stop	
20:54:06	NB	THRU	Rolling stop	
20:57:37	WB	RIGHT	Rolling Stop	
21:01:06	SB	THRU	Rolling Stop	
21:01:19	NB	THRU	Rolling stop	
21:19:16	SB	THRU	Complete Stop	
21:21:15	NB	THRU	Rolling stop	
21:26:48	NB	THRU	Rolling stop	
21:30:40	SB	LEFT	Rolling Stop	
21:31:21	WB	RIGHT	Rolling Stop	
21:34:15	SB	LEFT	Rolling Stop	
21:43:19	SB	LEFT	Rolling Stop	
21:43:35	WB	RIGHT	No Stop	
21:49:09	NB	RIGHT	Rolling stop	
21:51:20	SB	LEFT	Rolling Stop	
21:51:41	SB	LEFT	Rolling Stop	
21:55:24	SB	THRU	Rolling Stop	
21:56:57	SB	LEFT	Rolling Stop	
22:03:23	SB	LEFT	Rolling Stop	
22:04:53	SB	THRU	Rolling Stop	
22:05:57	NB	THRU	Rolling stop	
22:11:46	SB	THRU	Rolling Stop	
22:22:10	NB	THRU	Rolling stop	
22:27:39	WB	THRU	Rolling Stop	
22:36:30	SB	THRU	Rolling Stop	
22:41:13	NB	THRU	Rolling stop	
22:54:33	NB	RIGHT	Rolling stop	
22:55:10	SB	LEFT	Rolling Stop	
22:57:55	WB	RIGHT	No Stop	
23:06:05	NB	RIGHT	Rolling stop	
23:07:56	NB	RIGHT	Rolling stop	
23:11:51	SB	THRU	Rolling Stop	
23:11:52	NB	THRU	Complete stop	
23:12:23	NB	THRU	Rolling stop	
23:13:31	WB	RIGHT	Rolling Stop	
23:22:55	WB	RIGHT	Rolling Stop	
23:29:04	NB	THRU	Rolling stop	
23:29:20	NB	THRU	Rolling stop	
23:32:24	SB	LEFT	Rolling Stop	
23:34:02	WB	LEFT	Rolling Stop	
23:43:49	SB	LEFT	Rolling Stop	
23:44:20	NB	RIGHT	Rolling stop	
23:47:53	SB	THRU	Rolling Stop	
23:56:42	NB	THRU	Rolling stop	

Stop-Sign Compliance Study

Location: Ericson Way (NS) & Earhart Rd (south) (EW)
City: Laguna Hills

Day: Tuesday
Date: 8/19/2025

Stop Sign Compliance [Timestamp]				
Timestamp (hh:mm:ss)	Bound	Movement	Stop Type	Notes
0:09:18	NB	LEFT	Rolling Stop	
0:15:36	NB	LEFT	Rolling Stop	
0:18:32	SB	THRU	No Stop	
0:28:22	NB	THRU	Rolling Stop	
0:45:59	SB	THRU	Rolling Stop	
1:15:10	NB	THRU	Rolling Stop	
1:23:59	SB	THRU	Rolling Stop	
1:33:06	EB	RIGHT	Complete Stop	
2:26:25	SB	THRU	Rolling Stop	
2:26:29	SB	THRU	Rolling Stop	
3:59:12	EB	RIGHT	No Stop	
4:47:06	NB	THRU	Rolling Stop	
4:48:34	SB	THRU	Rolling Stop	
5:11:31	NB	THRU	Rolling Stop	
5:12:59	EB	RIGHT	Rolling Stop	
5:20:35	SB	THRU	Rolling Stop	
5:29:04	NB	THRU	Rolling Stop	
5:31:17	NB	LEFT	Rolling Stop	
5:32:11	NB	THRU	Rolling Stop	
5:33:21	SB	THRU	Rolling Stop	
5:42:09	SB	THRU	Rolling Stop	
5:43:54	EB	RIGHT	Rolling Stop	
5:56:10	EB	RIGHT	No Stop	
5:58:20	SB	THRU	Rolling Stop	
6:03:09	NB	THRU	Rolling Stop	
6:12:48	SB	THRU	Rolling Stop	
6:17:09	EB	RIGHT	Rolling Stop	
6:17:51	EB	RIGHT	Rolling Stop	
6:20:35	SB	THRU	Rolling Stop	
6:25:07	EB	RIGHT	Rolling Stop	
6:27:11	NB	LEFT	Rolling Stop	
6:32:11	NB	LEFT	Rolling Stop	
6:32:51	EB	RIGHT	Rolling Stop	
6:33:31	EB	LEFT	Complete Stop	
6:38:18	EB	RIGHT	Rolling Stop	
6:39:36	NB	LEFT	Rolling Stop	
6:40:46	NB	LEFT	Rolling Stop	
6:42:14	EB	RIGHT	Rolling Stop	
6:42:34	NB	UTURN	Rolling Stop	
6:46:18	EB	RIGHT	Rolling Stop	
6:47:08	EB	RIGHT	Rolling Stop	
6:49:22	NB	THRU	Rolling Stop	
6:50:22	NB	THRU	Complete Stop	
6:50:28	NB	LEFT	Rolling Stop	
6:51:33	SB	THRU	Rolling Stop	
6:52:30	NB	THRU	Rolling Stop	
6:53:03	EB	RIGHT	Complete Stop	
6:53:30	NB	THRU	Rolling Stop	
6:55:05	SB	THRU	Rolling Stop	
6:57:17	EB	RIGHT	Rolling Stop	
6:58:31	EB	RIGHT	Rolling Stop	
6:59:43	SB	THRU	Rolling Stop	
7:00:34	NB	LEFT	Rolling Stop	
7:02:23	SB	THRU	No Stop	
7:03:29	NB	THRU	Rolling Stop	
7:03:53	NB	THRU	Rolling Stop	
7:04:10	EB	RIGHT	Rolling Stop	
7:06:52	SB	THRU	Rolling Stop	
7:08:17	EB	RIGHT	Rolling Stop	
7:09:41	NB	THRU	Rolling Stop	
7:11:04	NB	THRU	Rolling Stop	
7:11:18	NB	THRU	Rolling Stop	
7:11:33	NB	THRU	Rolling Stop	
7:12:18	NB	LEFT	Rolling Stop	
7:12:22	NB	THRU	Rolling Stop	
7:14:11	SB	THRU	Rolling Stop	
7:14:41	SB	THRU	Rolling Stop	
7:15:32	SB	THRU	Rolling Stop	
7:15:51	NB	LEFT	Rolling Stop	
7:17:08	SB	THRU	Rolling Stop	
7:18:44	EB	RIGHT	Rolling Stop	
7:18:49	SB	THRU	Rolling Stop	
7:19:06	NB	LEFT	Rolling Stop	

Stop-Sign Compliance Study

Location: Ericson Way (NS) & Earhart Rd (south) (EW)
City: Laguna Hills

Day: Tuesday
Date: 8/19/2025

Stop Sign Compliance [Timestamp]				
Timestamp (hh:mm:ss)	Bound	Movement	Stop Type	Notes
7:19:13	SB	THRU	Rolling Stop	
7:21:03	EB	RIGHT	Rolling Stop	
7:22:11	NB	LEFT	Rolling Stop	
7:22:27	SB	THRU	Rolling Stop	
7:22:36	NB	LEFT	Rolling Stop	
7:22:44	NB	THRU	Rolling Stop	
7:22:50	NB	THRU	Rolling Stop	
7:24:12	SB	THRU	Rolling Stop	
7:24:59	SB	THRU	Rolling Stop	
7:25:29	NB	THRU	Rolling Stop	
7:26:24	EB	RIGHT	Rolling Stop	
7:28:32	NB	THRU	Rolling Stop	
7:30:27	SB	THRU	Complete Stop	
7:31:42	NB	THRU	Rolling Stop	
7:32:17	NB	THRU	Rolling Stop	
7:32:18	EB	RIGHT	No Stop	
7:32:22	NB	LEFT	Rolling Stop	
7:32:44	SB	THRU	Rolling Stop	
7:32:53	EB	RIGHT	Rolling Stop	
7:33:15	EB	RIGHT	Rolling Stop	
7:34:34	NB	THRU	Rolling Stop	
7:36:15	EB	RIGHT	Rolling Stop	
7:36:48	SB	THRU	Rolling Stop	
7:37:00	SB	THRU	Rolling Stop	
7:37:03	EB	RIGHT	Rolling Stop	
7:37:35	EB	RIGHT	Rolling Stop	
7:38:16	NB	THRU	Rolling Stop	
7:38:26	SB	THRU	Rolling Stop	
7:38:30	NB	LEFT	Rolling Stop	
7:39:19	NB	LEFT	Rolling Stop	
7:39:30	NB	LEFT	Rolling Stop	
7:39:47	EB	RIGHT	Rolling Stop	
7:39:50	NB	LEFT	Rolling Stop	
7:40:33	NB	THRU	Rolling Stop	
7:40:45	SB	THRU	Rolling Stop	
7:41:02	NB	LEFT	Rolling Stop	
7:42:09	NB	LEFT	Rolling Stop	
7:42:25	EB	LEFT	Rolling Stop	
7:42:35	SB	THRU	Rolling Stop	
7:44:08	EB	RIGHT	Rolling Stop	
7:44:44	NB	LEFT	Rolling Stop	
7:45:10	EB	RIGHT	Rolling Stop	
7:46:52	NB	LEFT	Rolling Stop	
7:46:53	EB	RIGHT	Rolling Stop	
7:47:07	NB	LEFT	Rolling Stop	
7:47:18	NB	LEFT	Rolling Stop	
7:47:19	EB	RIGHT	Rolling Stop	
7:47:22	SB	RIGHT	Rolling Stop	
7:47:35	NB	LEFT	Rolling Stop	
7:48:20	NB	LEFT	Rolling Stop	
7:48:30	EB	RIGHT	Rolling Stop	
7:48:45	EB	RIGHT	Rolling Stop	
7:48:56	NB	LEFT	Rolling Stop	
7:48:59	EB	RIGHT	Rolling Stop	
7:49:01	NB	LEFT	Rolling Stop	
7:49:04	NB	LEFT	Rolling Stop	
7:49:41	NB	THRU	Rolling Stop	
7:50:06	EB	RIGHT	Rolling Stop	
7:50:14	NB	LEFT	Rolling Stop	
7:50:27	SB	THRU	Rolling Stop	
7:50:34	NB	LEFT	Rolling Stop	
7:50:42	NB	LEFT	Rolling Stop	
7:51:04	EB	RIGHT	Rolling Stop	
7:51:41	EB	RIGHT	Rolling Stop	
7:51:46	EB	RIGHT	Rolling Stop	
7:51:56	EB	RIGHT	Rolling Stop	
7:52:08	NB	THRU	Rolling Stop	
7:52:20	EB	RIGHT	Rolling Stop	
7:52:31	EB	RIGHT	Rolling Stop	
7:52:38	EB	RIGHT	Rolling Stop	
7:52:41	EB	RIGHT	Rolling Stop	
7:53:11	EB	RIGHT	Rolling Stop	
7:53:21	EB	RIGHT	Rolling Stop	

Stop-Sign Compliance Study

Location: Ericson Way (NS) & Earhart Rd (south) (EW)
City: Laguna Hills

Day: Tuesday
Date: 8/19/2025

Stop Sign Compliance [Timestamp]				
Timestamp (hh:mm:ss)	Bound	Movement	Stop Type	Notes
7:53:30	EB	RIGHT	Rolling Stop	
7:53:54	EB	LEFT	Rolling Stop	
7:54:27	NB	LEFT	Rolling Stop	
7:54:41	EB	RIGHT	Rolling Stop	
7:55:11	EB	RIGHT	Rolling Stop	
7:55:25	SB	THRU	Rolling Stop	
7:55:31	EB	RIGHT	Rolling Stop	
7:55:38	EB	RIGHT	Rolling Stop	
7:55:44	EB	RIGHT	Rolling Stop	
7:56:24	SB	THRU	Rolling Stop	
7:56:28	NB	LEFT	Rolling Stop	
7:56:32	NB	THRU	Rolling Stop	
7:57:19	EB	RIGHT	Rolling Stop	
7:57:26	NB	LEFT	Rolling Stop	
7:57:33	NB	LEFT	Rolling Stop	
7:57:49	SB	THRU	Rolling Stop	
7:58:31	EB	RIGHT	Rolling Stop	
7:59:35	NB	THRU	Rolling Stop	
8:00:25	SB	THRU	No Stop	
8:00:32	NB	LEFT	Rolling Stop	
8:01:16	EB	RIGHT	Rolling Stop	
8:01:19	NB	LEFT	Rolling Stop	
8:01:21	EB	RIGHT	Rolling Stop	
8:01:29	NB	THRU	Rolling Stop	
8:02:21	EB	RIGHT	Rolling Stop	
8:02:25	EB	RIGHT	Rolling Stop	
8:03:54	NB	LEFT	Rolling Stop	
8:04:27	EB	RIGHT	Rolling Stop	
8:04:30	EB	RIGHT	Rolling Stop	
8:04:35	EB	RIGHT	Rolling Stop	
8:04:53	EB	RIGHT	Rolling Stop	
8:05:42	NB	LEFT	Rolling Stop	
8:06:01	EB	RIGHT	Rolling Stop	
8:06:37	SB	THRU	Rolling Stop	
8:06:51	NB	THRU	Rolling Stop	
8:08:01	NB	LEFT	Rolling Stop	
8:08:07	NB	THRU	Rolling Stop	
8:08:39	NB	LEFT	Rolling Stop	
8:08:46	EB	RIGHT	Rolling Stop	
8:09:38	EB	RIGHT	Rolling Stop	
8:09:42	EB	RIGHT	Complete Stop	
8:10:04	NB	LEFT	Rolling Stop	
8:10:15	SB	THRU	Rolling Stop	
8:10:23	NB	LEFT	Rolling Stop	
8:11:16	SB	THRU	Rolling Stop	
8:11:17	NB	LEFT	Complete Stop	
8:12:03	NB	LEFT	Rolling Stop	
8:12:10	EB	LEFT	Complete Stop	
8:12:45	EB	RIGHT	Rolling Stop	
8:12:49	EB	RIGHT	Rolling Stop	
8:12:56	SB	THRU	Rolling Stop	
8:12:57	EB	LEFT	Rolling Stop	
8:13:03	NB	THRU	Rolling Stop	
8:13:09	SB	THRU	Rolling Stop	
8:14:19	NB	LEFT	Rolling Stop	
8:14:33	EB	RIGHT	Rolling Stop	
8:15:00	EB	RIGHT	Rolling Stop	
8:15:10	EB	RIGHT	Rolling Stop	
8:15:16	EB	RIGHT	Rolling Stop	
8:15:40	NB	THRU	Rolling Stop	
8:16:04	NB	THRU	Rolling Stop	
8:16:13	NB	LEFT	Rolling Stop	
8:16:27	NB	THRU	Rolling Stop	
8:16:32	EB	RIGHT	Rolling Stop	
8:16:57	NB	THRU	Rolling Stop	
8:17:02	NB	LEFT	Rolling Stop	
8:17:12	NB	LEFT	Rolling Stop	
8:17:42	SB	THRU	Rolling Stop	
8:17:46	NB	THRU	Rolling Stop	
8:19:32	NB	LEFT	Rolling Stop	
8:19:36	NB	THRU	Rolling Stop	
8:19:40	NB	THRU	Rolling Stop	
8:20:38	SB	THRU	Rolling Stop	

Stop-Sign Compliance Study

Location: Ericson Way (NS) & Earhart Rd (south) (EW)
City: Laguna Hills

Day: Tuesday
Date: 8/19/2025

Stop Sign Compliance [Timestamp]				
Timestamp (hh:mm:ss)	Bound	Movement	Stop Type	Notes
8:20:57	NB	THRU	Rolling Stop	
8:21:14	SB	THRU	Rolling Stop	
8:22:52	NB	THRU	Rolling Stop	
8:22:52	SB	THRU	Complete Stop	
8:23:38	EB	RIGHT	Rolling Stop	
8:23:56	NB	LEFT	Rolling Stop	
8:24:09	SB	THRU	Rolling Stop	
8:24:23	EB	RIGHT	Rolling Stop	
8:24:33	EB	RIGHT	Complete Stop	
8:25:47	NB	THRU	Rolling Stop	
8:27:10	EB	RIGHT	Rolling Stop	
8:27:16	EB	RIGHT	Rolling Stop	
8:27:24	EB	RIGHT	Rolling Stop	
8:27:27	EB	RIGHT	Rolling Stop	
8:27:38	EB	RIGHT	Rolling Stop	
8:27:50	NB	LEFT	Rolling Stop	
8:30:18	NB	THRU	No Stop	
8:30:49	NB	LEFT	Rolling Stop	
8:30:59	EB	RIGHT	Rolling Stop	
8:31:19	SB	THRU	Complete Stop	
8:31:23	EB	RIGHT	Rolling Stop	
8:31:32	NB	LEFT	Rolling Stop	
8:31:58	EB	RIGHT	Rolling Stop	
8:32:32	EB	RIGHT	Rolling Stop	
8:33:13	NB	LEFT	Rolling Stop	
8:34:07	NB	LEFT	Rolling Stop	
8:34:49	SB	THRU	Rolling Stop	
8:35:11	NB	THRU	Rolling Stop	
8:36:40	NB	THRU	Rolling Stop	
8:38:41	SB	THRU	Rolling Stop	
8:38:56	NB	THRU	Rolling Stop	
8:40:11	EB	RIGHT	Rolling Stop	
8:40:54	EB	RIGHT	Rolling Stop	
8:41:39	NB	THRU	Rolling Stop	
8:42:36	NB	THRU	Rolling Stop	
8:44:47	NB	LEFT	Rolling Stop	
8:46:48	SB	THRU	Rolling Stop	
8:47:19	SB	THRU	Rolling Stop	
8:47:47	EB	RIGHT	Rolling Stop	
8:49:08	SB	RIGHT	Rolling Stop	
8:49:09	NB	THRU	Rolling Stop	
8:50:03	SB	THRU	Rolling Stop	
8:51:07	NB	THRU	Rolling Stop	
8:52:18	NB	THRU	Rolling Stop	
8:52:30	NB	THRU	Rolling Stop	
8:54:07	NB	THRU	Complete Stop	
8:55:17	SB	THRU	Rolling Stop	
8:57:07	NB	LEFT	Rolling Stop	
8:57:37	SB	THRU	Rolling Stop	
8:58:35	NB	THRU	Rolling Stop	
8:58:35	EB	RIGHT	Rolling Stop	
8:59:57	EB	RIGHT	Rolling Stop	
9:00:26	EB	RIGHT	Rolling Stop	
9:01:30	SB	THRU	Rolling Stop	
9:01:43	NB	THRU	Rolling Stop	
9:02:17	NB	LEFT	Rolling Stop	
9:02:58	NB	LEFT	Rolling Stop	
9:03:50	NB	THRU	Rolling Stop	
9:05:04	SB	THRU	Rolling Stop	
9:09:29	EB	RIGHT	Rolling Stop	
9:10:10	NB	LEFT	Rolling Stop	
9:10:56	NB	LEFT	Rolling Stop	
9:12:24	SB	THRU	Rolling Stop	
9:13:15	SB	RIGHT	Rolling Stop	
9:15:35	SB	THRU	Rolling Stop	
9:18:22	NB	LEFT	Rolling Stop	
9:19:02	NB	THRU	Rolling Stop	
9:20:23	SB	THRU	Rolling Stop	
9:23:57	SB	THRU	Rolling Stop	
9:24:54	NB	LEFT	Rolling Stop	
9:26:36	EB	RIGHT	Rolling Stop	
9:32:35	SB	THRU	Rolling Stop	
9:34:46	EB	RIGHT	Rolling Stop	

Stop-Sign Compliance Study

Location: Ericson Way (NS) & Earhart Rd (south) (EW)
City: Laguna Hills

Day: Tuesday
Date: 8/19/2025

Stop Sign Compliance [Timestamp]				
Timestamp (hh:mm:ss)	Bound	Movement	Stop Type	Notes
9:36:24	NB	THRU	Rolling Stop	
9:38:06	EB	RIGHT	Rolling Stop	
9:39:35	SB	THRU	Rolling Stop	
9:40:01	NB	LEFT	Rolling Stop	
9:45:14	NB	THRU	Rolling Stop	
9:45:58	EB	RIGHT	Rolling Stop	
9:46:26	SB	THRU	Rolling Stop	
9:46:45	EB	LEFT	Rolling Stop	
9:47:57	NB	THRU	Rolling Stop	
9:48:29	SB	THRU	Complete Stop	
9:50:30	EB	RIGHT	Rolling Stop	
9:50:55	NB	LEFT	Rolling Stop	
9:52:45	EB	RIGHT	Rolling Stop	
9:53:10	NB	THRU	Rolling Stop	
9:53:31	SB	THRU	Rolling Stop	
9:54:00	NB	LEFT	Rolling Stop	
9:54:15	SB	THRU	Rolling Stop	
9:59:02	NB	LEFT	Rolling Stop	
9:59:32	SB	THRU	Rolling Stop	
10:00:50	NB	LEFT	Rolling Stop	
10:01:14	SB	THRU	Rolling Stop	
10:03:15	EB	RIGHT	Rolling Stop	
10:04:22	NB	LEFT	Rolling Stop	
10:04:35	EB	RIGHT	Rolling Stop	
10:04:54	NB	LEFT	Rolling Stop	
10:05:39	NB	LEFT	Rolling Stop	
10:08:53	SB	THRU	Rolling Stop	
10:10:05	NB	LEFT	Rolling Stop	
10:10:48	NB	THRU	Rolling Stop	
10:11:12	SB	THRU	Rolling Stop	
10:13:01	NB	LEFT	Rolling Stop	
10:13:06	NB	THRU	Rolling Stop	
10:13:09	NB	LEFT	Rolling Stop	
10:14:01	NB	LEFT	Complete Stop	
10:15:06	NB	THRU	Rolling Stop	
10:16:16	SB	THRU	Rolling Stop	
10:16:30	SB	THRU	Rolling Stop	
10:16:59	NB	LEFT	Rolling Stop	
10:17:25	SB	THRU	Rolling Stop	
10:18:41	EB	RIGHT	Rolling Stop	
10:19:12	SB	THRU	Rolling Stop	
10:20:06	NB	LEFT	Rolling Stop	
10:21:40	EB	RIGHT	Rolling Stop	
10:21:57	NB	LEFT	Rolling Stop	
10:23:24	SB	THRU	Rolling Stop	
10:23:28	NB	LEFT	Rolling Stop	
10:23:47	NB	LEFT	Rolling Stop	
10:26:58	NB	LEFT	Rolling Stop	
10:27:45	SB	THRU	Complete Stop	
10:29:32	EB	RIGHT	Rolling Stop	
10:31:44	NB	LEFT	Rolling Stop	
10:32:31	NB	THRU	Rolling Stop	
10:33:17	NB	THRU	Rolling Stop	
10:34:45	EB	RIGHT	Rolling Stop	
10:34:49	EB	RIGHT	Rolling Stop	
10:35:51	EB	RIGHT	Rolling Stop	
10:37:06	SB	THRU	Rolling Stop	
10:38:39	NB	THRU	Rolling Stop	
10:39:26	EB	RIGHT	Rolling Stop	
10:40:53	NB	LEFT	Rolling Stop	
10:42:06	NB	THRU	Rolling Stop	
10:42:15	EB	RIGHT	Rolling Stop	
10:42:33	NB	THRU	Rolling Stop	
10:44:06	EB	RIGHT	Complete Stop	
10:44:28	SB	THRU	Rolling Stop	
10:45:09	NB	LEFT	Rolling Stop	
10:46:05	EB	RIGHT	Rolling Stop	
10:46:22	SB	THRU	Rolling Stop	
10:49:04	NB	LEFT	Rolling Stop	
10:49:40	NB	LEFT	Rolling Stop	
10:50:05	NB	THRU	Complete Stop	
10:50:24	SB	THRU	Rolling Stop	
10:53:09	NB	THRU	Rolling Stop	

Stop-Sign Compliance Study

Location: Ericson Way (NS) & Earhart Rd (south) (EW)
City: Laguna Hills

Day: Tuesday
Date: 8/19/2025

Stop Sign Compliance [Timestamp]				
Timestamp (hh:mm:ss)	Bound	Movement	Stop Type	Notes
10:54:05	NB	LEFT	Rolling Stop	
10:54:08	EB	RIGHT	Rolling Stop	
10:55:11	NB	THRU	Rolling Stop	
10:55:24	SB	THRU	Rolling Stop	
10:57:26	NB	LEFT	Rolling Stop	
10:58:03	NB	LEFT	Rolling Stop	
10:58:27	NB	LEFT	Rolling Stop	
10:58:37	SB	THRU	Rolling Stop	
10:59:46	EB	RIGHT	Rolling Stop	
10:59:59	EB	RIGHT	Rolling Stop	
11:01:03	EB	RIGHT	Rolling Stop	
11:01:55	NB	LEFT	Rolling Stop	
11:02:10	NB	THRU	Rolling Stop	
11:02:51	SB	THRU	Rolling Stop	
11:02:57	NB	THRU	Rolling Stop	
11:04:04	SB	THRU	Rolling Stop	
11:04:18	SB	THRU	Rolling Stop	
11:04:43	NB	LEFT	Rolling Stop	
11:05:21	NB	LEFT	Rolling Stop	
11:05:57	SB	THRU	Rolling Stop	
11:07:30	SB	THRU	Rolling Stop	
11:08:11	NB	THRU	Rolling Stop	
11:08:40	EB	RIGHT	Rolling Stop	
11:09:01	NB	LEFT	Rolling Stop	
11:09:40	NB	THRU	Rolling Stop	
11:10:06	NB	LEFT	Rolling Stop	
11:10:18	EB	RIGHT	Rolling Stop	
11:11:01	NB	THRU	Rolling Stop	
11:11:08	SB	RIGHT	Rolling Stop	
11:11:59	SB	RIGHT	Rolling Stop	
11:12:26	SB	THRU	Rolling Stop	
11:12:51	SB	THRU	Rolling Stop	
11:13:05	EB	RIGHT	Complete Stop	
11:13:18	NB	LEFT	Rolling Stop	
11:13:26	SB	THRU	Rolling Stop	
11:13:53	SB	THRU	No Stop	
11:14:46	NB	LEFT	Rolling Stop	
11:17:05	EB	RIGHT	Rolling Stop	
11:17:09	NB	LEFT	Rolling Stop	
11:18:11	NB	LEFT	Rolling Stop	
11:18:40	NB	LEFT	Rolling Stop	
11:19:30	NB	THRU	Rolling Stop	
11:20:12	NB	THRU	Rolling Stop	
11:21:00	NB	THRU	Rolling Stop	
11:21:13	NB	THRU	Rolling Stop	
11:22:12	NB	LEFT	Rolling Stop	
11:22:26	SB	THRU	Rolling Stop	
11:22:55	NB	LEFT	Rolling Stop	
11:23:01	EB	RIGHT	Rolling Stop	
11:23:25	NB	LEFT	Rolling Stop	
11:23:53	EB	RIGHT	Rolling Stop	
11:23:56	SB	RIGHT	Complete Stop	
11:23:57	NB	LEFT	Rolling Stop	
11:24:00	EB	RIGHT	Rolling Stop	
11:24:53	NB	LEFT	Rolling Stop	
11:25:12	NB	UTURN	Rolling Stop	
11:25:16	EB	RIGHT	Rolling Stop	
11:25:52	SB	THRU	Rolling Stop	
11:25:55	EB	RIGHT	Complete Stop	
11:26:05	EB	RIGHT	Rolling Stop	
11:26:17	NB	THRU	Rolling Stop	
11:26:31	EB	LEFT	Rolling Stop	
11:26:48	NB	LEFT	Rolling Stop	
11:29:31	EB	RIGHT	Rolling Stop	
11:29:59	NB	THRU	Rolling Stop	
11:31:20	NB	LEFT	Rolling Stop	
11:33:10	EB	RIGHT	Complete Stop	
11:33:13	NB	THRU	Rolling Stop	
11:34:14	NB	THRU	Rolling Stop	
11:34:34	NB	LEFT	Rolling Stop	
11:35:01	SB	THRU	Rolling Stop	
11:36:02	SB	THRU	Rolling Stop	
11:36:40	SB	THRU	Rolling Stop	

Stop-Sign Compliance Study

Location: Ericson Way (NS) & Earhart Rd (south) (EW)
City: Laguna Hills

Day: Tuesday
Date: 8/19/2025

Stop Sign Compliance [Timestamp]				
Timestamp (hh:mm:ss)	Bound	Movement	Stop Type	Notes
11:36:51	NB	LEFT	Rolling Stop	
11:36:57	SB	THRU	Rolling Stop	
11:37:00	NB	LEFT	Rolling Stop	
11:37:23	EB	RIGHT	Rolling Stop	
11:39:05	SB	THRU	Rolling Stop	
11:39:46	NB	LEFT	Rolling Stop	
11:40:40	SB	THRU	Rolling Stop	
11:42:12	NB	LEFT	Rolling Stop	
11:42:30	NB	LEFT	Rolling Stop	
11:43:47	SB	THRU	Complete Stop	
11:44:22	EB	RIGHT	Rolling Stop	
11:44:39	EB	RIGHT	Rolling Stop	
11:46:23	SB	THRU	Rolling Stop	
11:47:28	NB	LEFT	Rolling Stop	
11:48:43	NB	THRU	Complete Stop	
11:51:25	EB	RIGHT	Rolling Stop	
11:52:31	NB	LEFT	Rolling Stop	
11:53:56	EB	RIGHT	Rolling Stop	
11:56:49	NB	THRU	Rolling Stop	
11:57:02	NB	LEFT	Rolling Stop	
11:58:20	NB	THRU	Complete Stop	
11:58:34	NB	THRU	Rolling Stop	
11:59:38	NB	THRU	Rolling Stop	
11:59:44	NB	LEFT	Rolling Stop	
12:00:16	SB	THRU	Rolling Stop	
12:00:52	NB	LEFT	Rolling Stop	
12:01:37	NB	LEFT	Rolling Stop	
12:01:41	NB	THRU	Rolling Stop	
12:02:14	NB	THRU	Rolling Stop	
12:02:27	NB	LEFT	Rolling Stop	
12:02:56	NB	THRU	Rolling Stop	
12:05:15	NB	THRU	No Stop	
12:07:40	NB	LEFT	Rolling Stop	
12:08:51	NB	LEFT	Rolling Stop	
12:09:07	NB	THRU	Rolling Stop	
12:09:24	SB	THRU	Complete Stop	
12:10:08	SB	THRU	Rolling Stop	
12:10:12	NB	LEFT	Rolling Stop	
12:10:32	SB	THRU	Rolling Stop	
12:12:51	SB	THRU	Rolling Stop	
12:13:00	SB	UTURN	Rolling Stop	
12:14:19	NB	THRU	Complete Stop	
12:14:38	SB	THRU	Complete Stop	
12:19:52	NB	THRU	Rolling Stop	
12:19:58	NB	THRU	Rolling Stop	
12:22:48	NB	THRU	Rolling Stop	
12:22:54	SB	THRU	Rolling Stop	
12:23:50	EB	RIGHT	Rolling Stop	
12:23:54	SB	THRU	Rolling Stop	
12:24:00	SB	THRU	Rolling Stop	
12:24:02	EB	RIGHT	Complete Stop	
12:26:40	SB	THRU	Rolling Stop	
12:26:54	SB	THRU	Rolling Stop	
12:28:04	EB	RIGHT	Rolling Stop	
12:28:20	NB	THRU	Complete Stop	
12:28:34	NB	LEFT	Rolling Stop	
12:29:29	NB	LEFT	Rolling Stop	
12:31:25	NB	THRU	Rolling Stop	
12:31:47	SB	THRU	Rolling Stop	
12:32:34	NB	THRU	Rolling Stop	
12:34:35	NB	LEFT	Rolling Stop	
12:35:25	NB	THRU	Rolling Stop	
12:36:11	SB	THRU	Rolling Stop	
12:36:17	SB	THRU	Rolling Stop	
12:36:25	NB	LEFT	Rolling Stop	
12:36:25	SB	THRU	Rolling Stop	
12:36:44	NB	LEFT	Rolling Stop	
12:38:57	EB	RIGHT	Rolling Stop	
12:40:30	NB	LEFT	Rolling Stop	
12:45:10	NB	LEFT	Rolling Stop	
12:45:34	EB	RIGHT	Rolling Stop	
12:46:24	SB	THRU	Rolling Stop	
12:46:55	NB	THRU	Rolling Stop	

Stop-Sign Compliance Study

Location: Ericson Way (NS) & Earhart Rd (south) (EW)
City: Laguna Hills

Day: Tuesday
Date: 8/19/2025

Stop Sign Compliance [Timestamp]				
Timestamp (hh:mm:ss)	Bound	Movement	Stop Type	Notes
12:48:17	NB	THRU	Rolling Stop	
12:49:18	EB	RIGHT	Rolling Stop	
12:50:02	NB	THRU	Rolling Stop	
12:50:20	SB	THRU	Rolling Stop	
12:56:33	EB	RIGHT	Rolling Stop	
12:56:41	EB	RIGHT	Rolling Stop	
12:57:26	NB	LEFT	Rolling Stop	
12:57:38	SB	THRU	Rolling Stop	
12:58:18	NB	THRU	Rolling Stop	
12:58:20	NB	LEFT	Rolling Stop	
12:58:24	NB	LEFT	Rolling Stop	
12:58:34	NB	LEFT	Rolling Stop	
13:02:01	NB	LEFT	Rolling Stop	
13:03:22	NB	UTURN	Complete Stop	
13:03:52	NB	LEFT	Rolling Stop	
13:04:38	NB	LEFT	Rolling Stop	
13:05:19	NB	LEFT	Rolling Stop	
13:05:43	SB	THRU	Rolling Stop	
13:06:15	NB	LEFT	Rolling Stop	
13:06:20	SB	THRU	Rolling Stop	
13:07:16	NB	LEFT	Complete Stop	
13:07:25	SB	THRU	Rolling Stop	
13:07:31	EB	LEFT	Rolling Stop	
13:08:07	EB	RIGHT	Rolling Stop	
13:08:21	EB	RIGHT	Rolling Stop	
13:08:49	NB	THRU	Rolling Stop	
13:11:24	NB	THRU	Rolling Stop	
13:11:40	SB	THRU	Rolling Stop	
13:12:23	NB	LEFT	Rolling Stop	
13:12:53	NB	THRU	Rolling Stop	
13:13:09	EB	RIGHT	Complete Stop	
13:13:25	NB	THRU	Rolling Stop	
13:13:32	EB	LEFT	Rolling Stop	
13:14:39	EB	RIGHT	Rolling Stop	
13:15:37	NB	THRU	Rolling Stop	
13:16:02	NB	LEFT	Rolling Stop	
13:16:24	NB	LEFT	Rolling Stop	
13:16:45	EB	RIGHT	Rolling Stop	
13:17:34	SB	THRU	Rolling Stop	
13:18:00	NB	LEFT	Rolling Stop	
13:18:50	NB	LEFT	Rolling Stop	
13:19:05	NB	LEFT	Rolling Stop	
13:19:43	NB	THRU	Complete Stop	
13:19:47	NB	THRU	Rolling Stop	
13:20:35	EB	RIGHT	Rolling Stop	
13:23:56	NB	LEFT	Rolling Stop	
13:23:59	EB	UTURN	Rolling Stop	
13:24:23	EB	RIGHT	Complete Stop	
13:25:17	NB	LEFT	Rolling Stop	
13:26:11	EB	RIGHT	Rolling Stop	
13:28:11	SB	THRU	Rolling Stop	
13:28:55	EB	LEFT	Complete Stop	
13:31:02	NB	THRU	Rolling Stop	
13:31:57	NB	THRU	Rolling Stop	
13:33:44	EB	RIGHT	Rolling Stop	
13:34:28	SB	THRU	Rolling Stop	
13:34:36	NB	THRU	Rolling Stop	
13:35:13	SB	THRU	Complete Stop	
13:35:59	NB	THRU	Rolling Stop	
13:36:03	SB	THRU	Rolling Stop	
13:36:49	NB	LEFT	Rolling Stop	
13:36:52	SB	THRU	Rolling Stop	
13:37:18	NB	LEFT	Rolling Stop	
13:37:57	EB	LEFT	Rolling Stop	
13:39:37	EB	LEFT	Rolling Stop	
13:39:52	SB	THRU	Rolling Stop	
13:41:40	SB	THRU	Rolling Stop	
13:42:42	NB	LEFT	Rolling Stop	
13:44:48	NB	THRU	Complete Stop	
13:45:03	SB	RIGHT	Rolling Stop	
13:45:09	NB	THRU	Rolling Stop	
13:47:23	SB	THRU	Rolling Stop	
13:49:02	NB	THRU	Rolling Stop	

Stop-Sign Compliance Study

Location: Ericson Way (NS) & Earhart Rd (south) (EW)
City: Laguna Hills

Day: Tuesday
Date: 8/19/2025

Stop Sign Compliance [Timestamp]				
Timestamp (hh:mm:ss)	Bound	Movement	Stop Type	Notes
13:49:41	EB	RIGHT	Rolling Stop	
13:49:50	SB	THRU	Rolling Stop	
13:49:51	EB	RIGHT	Complete Stop	
13:50:28	SB	THRU	Rolling Stop	
13:53:02	EB	RIGHT	Rolling Stop	
13:53:17	EB	RIGHT	Rolling Stop	
13:54:04	SB	THRU	Rolling Stop	
13:54:43	NB	LEFT	Rolling Stop	
13:55:22	SB	THRU	Rolling Stop	
13:57:04	NB	THRU	Complete Stop	
13:59:31	NB	THRU	Rolling Stop	
13:59:48	NB	LEFT	Rolling Stop	
13:59:56	NB	LEFT	Rolling Stop	
14:00:13	EB	RIGHT	Rolling Stop	
14:01:13	NB	LEFT	Rolling Stop	
14:01:29	NB	LEFT	Rolling Stop	
14:02:37	NB	LEFT	Rolling Stop	
14:04:15	NB	LEFT	Rolling Stop	
14:04:30	SB	THRU	Rolling Stop	
14:04:48	EB	RIGHT	Rolling Stop	
14:05:22	SB	THRU	Rolling Stop	
14:07:27	NB	LEFT	No Stop	
14:08:19	SB	RIGHT	Rolling Stop	
14:08:20	NB	LEFT	Rolling Stop	
14:09:02	EB	RIGHT	Rolling Stop	
14:09:13	EB	RIGHT	Rolling Stop	
14:09:25	NB	THRU	Rolling Stop	
14:09:57	EB	RIGHT	Rolling Stop	
14:11:00	NB	LEFT	No Stop	
14:11:23	SB	THRU	Rolling Stop	
14:11:36	EB	RIGHT	Rolling Stop	
14:11:40	EB	RIGHT	Rolling Stop	
14:12:39	NB	THRU	Rolling Stop	
14:12:51	EB	RIGHT	Rolling Stop	
14:14:05	NB	THRU	Rolling Stop	
14:14:33	NB	THRU	Rolling Stop	
14:14:48	SB	THRU	Rolling Stop	
14:17:01	SB	THRU	Rolling Stop	
14:17:10	EB	RIGHT	Rolling Stop	
14:20:20	NB	LEFT	Rolling Stop	
14:21:59	NB	LEFT	Rolling Stop	
14:22:30	EB	RIGHT	Complete Stop	
14:22:33	SB	THRU	Complete Stop	
14:22:50	NB	LEFT	Rolling Stop	
14:23:00	EB	RIGHT	Complete Stop	
14:23:07	EB	RIGHT	Rolling Stop	
14:23:13	EB	LEFT	Rolling Stop	
14:23:19	EB	RIGHT	Rolling Stop	
14:23:43	EB	LEFT	Rolling Stop	
14:23:49	NB	THRU	Rolling Stop	
14:24:14	EB	RIGHT	Rolling Stop	
14:24:19	EB	RIGHT	Rolling Stop	
14:24:40	NB	LEFT	Rolling Stop	
14:25:31	SB	THRU	Rolling Stop	
14:25:34	NB	LEFT	Rolling Stop	
14:25:54	SB	THRU	Rolling Stop	
14:26:43	EB	RIGHT	Rolling Stop	
14:27:41	EB	RIGHT	Rolling Stop	
14:28:07	SB	THRU	Rolling Stop	
14:28:15	EB	LEFT	Rolling Stop	
14:28:56	SB	THRU	Rolling Stop	
14:31:03	SB	THRU	Rolling Stop	
14:31:07	EB	RIGHT	Rolling Stop	
14:32:11	NB	LEFT	Rolling Stop	
14:32:36	EB	RIGHT	Complete Stop	
14:33:24	EB	RIGHT	Rolling Stop	
14:33:38	SB	THRU	No Stop	
14:33:50	NB	THRU	Rolling Stop	
14:34:03	NB	LEFT	Rolling Stop	
14:35:22	EB	RIGHT	Rolling Stop	
14:35:39	SB	UTURN	Rolling Stop	
14:35:46	EB	RIGHT	Rolling Stop	
14:35:58	NB	THRU	Rolling Stop	

Stop-Sign Compliance Study

Location: Ericson Way (NS) & Earhart Rd (south) (EW)
City: Laguna Hills

Day: Tuesday
Date: 8/19/2025

Stop Sign Compliance [Timestamp]				
Timestamp (hh:mm:ss)	Bound	Movement	Stop Type	Notes
14:36:05	NB	LEFT	Rolling Stop	
14:36:09	EB	RIGHT	Rolling Stop	
14:36:26	EB	RIGHT	Rolling Stop	
14:36:35	NB	LEFT	Rolling Stop	
14:36:43	NB	LEFT	Rolling Stop	
14:36:53	NB	UTURN	Rolling Stop	
14:37:02	EB	RIGHT	Rolling Stop	
14:37:08	NB	LEFT	Rolling Stop	
14:37:34	EB	RIGHT	Rolling Stop	
14:38:07	NB	THRU	Rolling Stop	
14:38:20	NB	UTURN	Rolling Stop	
14:38:23	EB	RIGHT	Rolling Stop	
14:38:26	NB	THRU	Rolling Stop	
14:38:50	SB	THRU	Rolling Stop	
14:38:52	EB	RIGHT	Rolling Stop	
14:39:10	SB	RIGHT	Rolling Stop	
14:39:29	SB	THRU	Complete Stop	
14:39:40	NB	THRU	No Stop	
14:39:49	NB	THRU	Rolling Stop	
14:40:00	NB	LEFT	Rolling Stop	
14:40:04	NB	LEFT	Rolling Stop	
14:40:11	EB	RIGHT	Rolling Stop	
14:40:15	NB	THRU	Rolling Stop	
14:40:33	EB	RIGHT	Rolling Stop	
14:40:58	NB	THRU	Rolling Stop	
14:41:05	NB	THRU	Rolling Stop	
14:41:11	EB	RIGHT	Rolling Stop	
14:41:29	NB	LEFT	Rolling Stop	
14:41:29	EB	RIGHT	Rolling Stop	
14:41:36	EB	RIGHT	Rolling Stop	
14:41:56	EB	LEFT	Rolling Stop	
14:41:59	EB	RIGHT	Rolling Stop	
14:43:31	NB	LEFT	Rolling Stop	
14:44:20	EB	RIGHT	Rolling Stop	
14:44:51	SB	THRU	Rolling Stop	
14:44:56	NB	LEFT	Rolling Stop	
14:45:23	NB	THRU	Rolling Stop	
14:47:13	EB	RIGHT	Rolling Stop	
14:47:56	NB	LEFT	Rolling Stop	
14:47:56	EB	RIGHT	Complete Stop	
14:50:02	NB	LEFT	Rolling Stop	
14:50:37	NB	THRU	Rolling Stop	
14:50:54	NB	LEFT	Rolling Stop	
14:51:04	EB	RIGHT	Rolling Stop	
14:51:21	NB	LEFT	Rolling Stop	
14:52:17	EB	RIGHT	Rolling Stop	
14:52:26	NB	THRU	Rolling Stop	
14:52:57	EB	LEFT	Complete Stop	
14:53:03	NB	LEFT	Rolling Stop	
14:56:17	NB	LEFT	Rolling Stop	
14:57:47	NB	LEFT	Complete Stop	
14:58:09	EB	RIGHT	Rolling Stop	
14:59:59	NB	LEFT	Rolling Stop	
15:00:29	SB	THRU	Rolling Stop	
15:02:01	SB	THRU	Rolling Stop	
15:02:07	NB	THRU	Rolling Stop	
15:02:09	NB	LEFT	Rolling Stop	
15:02:26	NB	LEFT	Rolling Stop	
15:02:28	EB	RIGHT	Rolling Stop	
15:03:44	SB	THRU	Complete Stop	
15:04:21	NB	LEFT	Rolling Stop	
15:04:32	NB	LEFT	Rolling Stop	
15:04:51	EB	RIGHT	Rolling Stop	
15:05:26	NB	LEFT	Rolling Stop	
15:05:57	NB	LEFT	Rolling Stop	
15:07:11	EB	UTURN	Complete Stop	
15:07:17	NB	LEFT	Rolling Stop	
15:08:14	NB	LEFT	Rolling Stop	
15:08:42	NB	LEFT	Rolling Stop	
15:08:58	NB	THRU	Rolling Stop	
15:09:07	NB	LEFT	Rolling Stop	
15:11:29	NB	THRU	Rolling Stop	
15:11:44	EB	RIGHT	Rolling Stop	

Stop-Sign Compliance Study

Location: Ericson Way (NS) & Earhart Rd (south) (EW)
City: Laguna Hills

Day: Tuesday
Date: 8/19/2025

Stop Sign Compliance [Timestamp]				
Timestamp (hh:mm:ss)	Bound	Movement	Stop Type	Notes
15:11:45	NB	LEFT	Rolling Stop	
15:11:52	NB	THRU	Rolling Stop	
15:12:44	NB	THRU	Rolling Stop	
15:13:18	NB	THRU	Rolling Stop	
15:13:18	SB	THRU	Rolling Stop	
15:14:03	NB	LEFT	Complete Stop	
15:14:10	SB	THRU	Rolling Stop	
15:14:51	EB	RIGHT	Rolling Stop	
15:15:12	SB	THRU	Rolling Stop	
15:15:52	NB	THRU	Rolling Stop	
15:16:05	SB	THRU	Rolling Stop	
15:16:14	EB	RIGHT	Rolling Stop	
15:16:34	EB	RIGHT	Rolling Stop	
15:18:11	EB	RIGHT	Rolling Stop	
15:18:17	EB	UTURN	Rolling Stop	
15:19:00	NB	THRU	Rolling Stop	
15:19:39	SB	THRU	Complete Stop	
15:21:12	EB	RIGHT	Complete Stop	
15:21:14	SB	THRU	Rolling Stop	
15:21:34	NB	LEFT	Rolling Stop	
15:22:20	EB	RIGHT	Rolling Stop	
15:22:27	NB	THRU	Rolling Stop	
15:22:30	NB	LEFT	Rolling Stop	
15:23:54	SB	UTURN	Rolling Stop	
15:24:09	SB	THRU	Rolling Stop	
15:24:45	EB	RIGHT	Rolling Stop	
15:24:54	NB	LEFT	Rolling Stop	
15:25:16	NB	LEFT	Rolling Stop	
15:26:07	EB	RIGHT	Rolling Stop	
15:26:11	NB	THRU	Rolling Stop	
15:26:37	NB	THRU	Rolling Stop	
15:27:41	NB	THRU	Complete Stop	
15:28:59	NB	LEFT	Rolling Stop	
15:29:23	NB	LEFT	Rolling Stop	
15:29:44	NB	LEFT	Rolling Stop	
15:30:27	SB	RIGHT	Complete Stop	
15:30:41	NB	THRU	Rolling Stop	
15:32:11	SB	THRU	Rolling Stop	
15:32:19	SB	THRU	Rolling Stop	
15:32:24	SB	THRU	Rolling Stop	
15:33:15	NB	LEFT	Rolling Stop	
15:33:28	SB	THRU	Rolling Stop	
15:33:58	SB	THRU	Rolling Stop	
15:34:29	NB	LEFT	Rolling Stop	
15:34:49	EB	RIGHT	Rolling Stop	
15:34:55	NB	LEFT	Rolling Stop	
15:35:04	NB	UTURN	Rolling Stop	
15:35:08	NB	LEFT	Rolling Stop	
15:36:29	SB	THRU	Rolling Stop	
15:36:48	NB	THRU	Rolling Stop	
15:36:48	SB	RIGHT	Complete Stop	
15:37:09	SB	THRU	Rolling Stop	
15:37:30	EB	RIGHT	Rolling Stop	
15:39:34	SB	THRU	Rolling Stop	
15:40:46	NB	THRU	Rolling Stop	
15:40:55	NB	LEFT	Rolling Stop	
15:42:21	NB	LEFT	Rolling Stop	
15:42:35	EB	RIGHT	Rolling Stop	
15:43:30	NB	THRU	Rolling Stop	
15:45:23	EB	LEFT	Rolling Stop	
15:45:46	NB	THRU	Complete Stop	
15:46:13	EB	RIGHT	Rolling Stop	
15:47:35	EB	RIGHT	Rolling Stop	
15:48:33	NB	THRU	Rolling Stop	
15:48:52	NB	THRU	Rolling Stop	
15:49:24	EB	RIGHT	Rolling Stop	
15:50:37	NB	THRU	Rolling Stop	
15:51:46	EB	RIGHT	Rolling Stop	
15:51:52	EB	RIGHT	Rolling Stop	
15:52:03	NB	LEFT	Rolling Stop	
15:52:09	NB	LEFT	Rolling Stop	
15:52:50	NB	LEFT	Rolling Stop	
15:53:12	EB	LEFT	Complete Stop	

Stop-Sign Compliance Study

Location: Ericson Way (NS) & Earhart Rd (south) (EW)
City: Laguna Hills

Day: Tuesday
Date: 8/19/2025

Stop Sign Compliance [Timestamp]				
Timestamp (hh:mm:ss)	Bound	Movement	Stop Type	Notes
15:53:23	NB	THRU	Rolling Stop	
15:53:44	NB	THRU	Rolling Stop	
15:54:13	EB	RIGHT	Rolling Stop	
15:54:16	NB	THRU	Rolling Stop	
15:55:10	EB	RIGHT	Rolling Stop	
15:56:00	EB	RIGHT	Rolling Stop	
15:56:42	NB	LEFT	Rolling Stop	
15:56:54	SB	THRU	Rolling Stop	
15:57:21	NB	THRU	Rolling Stop	
15:57:28	SB	THRU	Rolling Stop	
15:58:40	SB	THRU	Rolling Stop	
15:58:45	EB	RIGHT	Rolling Stop	
15:58:47	NB	UTURN	Rolling Stop	
15:58:53	NB	LEFT	Rolling Stop	
15:59:17	SB	RIGHT	Rolling Stop	
16:00:47	NB	LEFT	Rolling Stop	
16:01:55	NB	LEFT	Rolling Stop	
16:01:58	EB	RIGHT	Rolling Stop	
16:02:09	EB	RIGHT	Rolling Stop	
16:03:28	NB	THRU	Complete Stop	
16:03:32	NB	THRU	Rolling Stop	
16:04:13	NB	LEFT	Rolling Stop	
16:04:18	NB	LEFT	Rolling Stop	
16:04:30	EB	RIGHT	Rolling Stop	
16:04:48	SB	THRU	Rolling Stop	
16:04:59	EB	RIGHT	Rolling Stop	
16:05:05	NB	LEFT	Rolling Stop	
16:05:20	EB	LEFT	Rolling Stop	
16:05:58	EB	RIGHT	Rolling Stop	
16:07:29	NB	LEFT	Rolling Stop	
16:08:32	SB	THRU	Rolling Stop	
16:09:02	NB	THRU	Rolling Stop	
16:09:40	NB	LEFT	Rolling Stop	
16:11:12	NB	LEFT	Rolling Stop	
16:11:32	NB	LEFT	Rolling Stop	
16:12:07	EB	RIGHT	Rolling Stop	
16:12:39	NB	LEFT	Rolling Stop	
16:12:48	SB	THRU	Rolling Stop	
16:13:25	NB	THRU	Rolling Stop	
16:13:58	NB	THRU	Rolling Stop	
16:14:20	NB	LEFT	Rolling Stop	
16:15:42	NB	THRU	Rolling Stop	
16:15:58	NB	LEFT	Rolling Stop	
16:16:08	NB	THRU	Rolling Stop	
16:16:32	SB	THRU	Rolling Stop	
16:17:48	NB	LEFT	Rolling Stop	
16:17:57	EB	RIGHT	Rolling Stop	
16:18:01	SB	THRU	Rolling Stop	
16:18:06	NB	LEFT	Rolling Stop	
16:18:31	NB	THRU	Rolling Stop	
16:18:46	NB	LEFT	Rolling Stop	
16:18:50	NB	THRU	Rolling Stop	
16:19:20	SB	THRU	Rolling Stop	
16:20:28	SB	THRU	Rolling Stop	
16:20:36	NB	LEFT	Rolling Stop	
16:21:34	NB	LEFT	Rolling Stop	
16:21:45	NB	THRU	Rolling Stop	
16:21:54	EB	RIGHT	Rolling Stop	
16:24:13	SB	THRU	Rolling Stop	
16:25:01	NB	LEFT	Rolling Stop	
16:26:18	SB	THRU	Rolling Stop	
16:27:06	NB	LEFT	Rolling Stop	
16:27:20	NB	LEFT	Rolling Stop	
16:27:24	SB	THRU	Rolling Stop	
16:27:33	SB	THRU	Rolling Stop	
16:28:25	NB	LEFT	Rolling Stop	
16:29:14	EB	RIGHT	Rolling Stop	
16:29:26	NB	LEFT	Rolling Stop	
16:30:25	NB	THRU	Rolling Stop	
16:30:56	NB	LEFT	Rolling Stop	
16:31:46	EB	RIGHT	Rolling Stop	
16:32:46	EB	RIGHT	Rolling Stop	
16:33:33	EB	RIGHT	Rolling Stop	

Stop-Sign Compliance Study

Location: Ericson Way (NS) & Earhart Rd (south) (EW)
City: Laguna Hills

Day: Tuesday
Date: 8/19/2025

Stop Sign Compliance [Timestamp]				
Timestamp (hh:mm:ss)	Bound	Movement	Stop Type	Notes
16:33:43	SB	THRU	Rolling Stop	
16:34:15	NB	LEFT	Rolling Stop	
16:35:30	SB	RIGHT	Rolling Stop	
16:35:50	NB	LEFT	Rolling Stop	
16:37:46	EB	RIGHT	Rolling Stop	
16:38:05	EB	RIGHT	Rolling Stop	
16:38:20	SB	THRU	Complete Stop	
16:38:40	NB	THRU	Rolling Stop	
16:39:00	EB	RIGHT	Complete Stop	
16:39:15	EB	RIGHT	Rolling Stop	
16:39:42	EB	RIGHT	Rolling Stop	
16:40:37	NB	THRU	Rolling Stop	
16:40:50	NB	THRU	Rolling Stop	
16:41:24	EB	RIGHT	Rolling Stop	
16:41:31	SB	THRU	Rolling Stop	
16:42:27	EB	LEFT	Rolling Stop	
16:43:14	EB	RIGHT	Rolling Stop	
16:44:31	EB	RIGHT	Complete Stop	
16:44:50	EB	RIGHT	Rolling Stop	
16:45:34	NB	LEFT	Rolling Stop	
16:45:52	NB	LEFT	Rolling Stop	
16:46:08	SB	THRU	Rolling Stop	
16:46:28	SB	THRU	Rolling Stop	
16:47:30	NB	LEFT	Rolling Stop	
16:48:16	SB	RIGHT	Rolling Stop	
16:50:19	EB	RIGHT	Rolling Stop	
16:50:40	SB	THRU	Rolling Stop	
16:50:42	NB	LEFT	Rolling Stop	
16:50:50	SB	THRU	Rolling Stop	
16:51:16	SB	THRU	Rolling Stop	
16:51:22	NB	LEFT	Rolling Stop	
16:51:36	NB	THRU	Rolling Stop	
16:51:44	EB	RIGHT	Rolling Stop	
16:51:51	NB	THRU	Rolling Stop	
16:52:05	EB	RIGHT	Rolling Stop	
16:53:23	NB	LEFT	Rolling Stop	
16:53:27	NB	LEFT	Rolling Stop	
16:53:38	EB	RIGHT	Complete Stop	
16:53:39	NB	THRU	Complete Stop	
16:55:09	NB	LEFT	Rolling Stop	
16:55:49	NB	THRU	Rolling Stop	
16:56:12	NB	LEFT	Rolling Stop	
16:56:21	EB	LEFT	Rolling Stop	
16:56:33	NB	UTURN	Rolling Stop	
16:56:45	EB	RIGHT	Rolling Stop	
16:57:54	NB	LEFT	Rolling Stop	
16:58:12	NB	LEFT	Rolling Stop	
16:58:21	EB	RIGHT	Rolling Stop	
16:58:44	EB	RIGHT	Rolling Stop	
16:58:53	EB	RIGHT	Rolling Stop	
16:59:17	SB	THRU	Rolling Stop	
16:59:45	NB	LEFT	Rolling Stop	
17:00:02	NB	THRU	Rolling Stop	
17:00:43	EB	RIGHT	Rolling Stop	
17:00:50	EB	RIGHT	Rolling Stop	
17:00:56	NB	LEFT	Rolling Stop	
17:01:30	EB	RIGHT	Rolling Stop	
17:01:38	EB	RIGHT	Rolling Stop	
17:03:51	NB	LEFT	Rolling Stop	
17:03:58	EB	RIGHT	Rolling Stop	
17:04:10	NB	LEFT	Complete Stop	
17:04:26	SB	THRU	Rolling Stop	
17:05:11	NB	LEFT	Rolling Stop	
17:05:35	NB	THRU	Rolling Stop	
17:05:58	SB	THRU	Rolling Stop	
17:06:06	SB	THRU	Rolling Stop	
17:06:21	NB	LEFT	Rolling Stop	
17:06:28	SB	THRU	Rolling Stop	
17:06:47	NB	LEFT	Rolling Stop	
17:07:14	SB	THRU	Rolling Stop	
17:07:25	NB	THRU	Rolling Stop	
17:07:33	SB	THRU	Rolling Stop	
17:08:24	EB	RIGHT	Rolling Stop	

Stop-Sign Compliance Study

Location: Ericson Way (NS) & Earhart Rd (south) (EW)
City: Laguna Hills

Day: Tuesday
Date: 8/19/2025

Stop Sign Compliance [Timestamp]				
Timestamp (hh:mm:ss)	Bound	Movement	Stop Type	Notes
17:08:44	EB	RIGHT	Rolling Stop	
17:10:56	SB	THRU	Rolling Stop	
17:11:05	SB	THRU	Rolling Stop	
17:11:28	SB	RIGHT	Rolling Stop	
17:12:13	NB	LEFT	Rolling Stop	
17:13:52	NB	THRU	Rolling Stop	
17:15:34	NB	LEFT	Rolling Stop	
17:15:39	EB	LEFT	Rolling Stop	
17:15:59	NB	THRU	Rolling Stop	
17:16:14	SB	THRU	Rolling Stop	
17:16:26	SB	THRU	Rolling Stop	
17:16:54	NB	LEFT	Rolling Stop	
17:17:14	NB	LEFT	Rolling Stop	
17:17:20	EB	RIGHT	Rolling Stop	
17:17:42	NB	LEFT	Complete Stop	
17:18:47	NB	LEFT	Rolling Stop	
17:19:37	SB	THRU	Rolling Stop	
17:20:09	NB	LEFT	Rolling Stop	
17:21:29	SB	THRU	Rolling Stop	
17:21:54	NB	THRU	Rolling Stop	
17:23:15	NB	LEFT	Rolling Stop	
17:23:15	EB	RIGHT	Rolling Stop	
17:23:40	EB	RIGHT	Rolling Stop	
17:24:18	SB	THRU	Rolling Stop	
17:24:44	EB	LEFT	Rolling Stop	
17:25:33	NB	THRU	Rolling Stop	
17:26:42	EB	RIGHT	Rolling Stop	
17:27:27	EB	RIGHT	Rolling Stop	
17:28:47	SB	THRU	Complete Stop	
17:28:58	NB	THRU	Rolling Stop	
17:31:52	EB	LEFT	Rolling Stop	
17:32:50	SB	THRU	Rolling Stop	
17:34:20	NB	LEFT	Rolling Stop	
17:34:42	EB	RIGHT	Rolling Stop	
17:35:03	EB	RIGHT	Rolling Stop	
17:35:39	NB	LEFT	Rolling Stop	
17:36:55	NB	THRU	Rolling Stop	
17:37:33	SB	RIGHT	Rolling Stop	
17:37:56	NB	LEFT	Rolling Stop	
17:40:09	EB	RIGHT	Rolling Stop	
17:40:12	NB	THRU	Rolling Stop	
17:41:42	NB	LEFT	Rolling Stop	
17:43:02	EB	RIGHT	Rolling Stop	
17:43:13	EB	RIGHT	Rolling Stop	
17:43:34	SB	RIGHT	Rolling Stop	
17:43:36	NB	LEFT	Rolling Stop	
17:44:10	SB	THRU	Rolling Stop	
17:44:43	NB	THRU	Rolling Stop	
17:48:09	NB	LEFT	Rolling Stop	
17:49:12	EB	RIGHT	Rolling Stop	
17:49:51	NB	THRU	Rolling Stop	
17:51:18	NB	LEFT	Rolling Stop	
17:51:23	NB	THRU	Rolling Stop	
17:52:09	SB	THRU	Rolling Stop	
17:52:17	SB	THRU	Rolling Stop	
17:53:00	SB	THRU	Rolling Stop	
17:55:43	EB	RIGHT	Rolling Stop	
17:57:15	NB	THRU	Rolling Stop	
17:57:32	SB	RIGHT	Rolling Stop	
17:57:44	SB	THRU	Rolling Stop	
17:58:22	SB	THRU	Rolling Stop	
17:59:07	NB	THRU	Rolling Stop	
17:59:14	NB	UTURN	Rolling Stop	
17:59:30	NB	LEFT	Rolling Stop	
17:59:38	SB	THRU	Rolling Stop	
17:59:54	EB	RIGHT	Rolling Stop	
18:00:23	EB	LEFT	Complete Stop	
18:00:29	EB	RIGHT	Rolling Stop	
18:03:01	NB	LEFT	Rolling Stop	
18:04:53	SB	THRU	Rolling Stop	
18:05:14	NB	LEFT	Rolling Stop	
18:06:28	SB	THRU	Rolling Stop	
18:06:33	NB	LEFT	Rolling Stop	

Stop-Sign Compliance Study

Location: Ericson Way (NS) & Earhart Rd (south) (EW)
City: Laguna Hills

Day: Tuesday
Date: 8/19/2025

Stop Sign Compliance [Timestamp]				
Timestamp (hh:mm:ss)	Bound	Movement	Stop Type	Notes
18:06:58	NB	LEFT	Rolling Stop	
18:08:08	NB	THRU	Rolling Stop	
18:08:31	NB	LEFT	Rolling Stop	
18:08:53	EB	RIGHT	Rolling Stop	
18:09:04	EB	RIGHT	Rolling Stop	
18:09:54	EB	RIGHT	Rolling Stop	
18:10:37	NB	LEFT	Rolling Stop	
18:11:10	SB	THRU	Rolling Stop	
18:11:15	SB	THRU	Rolling Stop	
18:12:02	NB	LEFT	Rolling Stop	
18:12:16	NB	THRU	Rolling Stop	
18:12:23	NB	THRU	Rolling Stop	
18:13:01	SB	THRU	Rolling Stop	
18:13:38	SB	THRU	Complete Stop	
18:15:25	EB	RIGHT	Rolling Stop	
18:17:02	NB	THRU	Rolling Stop	
18:17:22	NB	THRU	Rolling Stop	
18:17:44	EB	UTURN	Complete Stop	
18:20:57	SB	THRU	Rolling Stop	
18:22:10	EB	RIGHT	Complete Stop	
18:22:40	NB	LEFT	Rolling Stop	
18:23:04	SB	RIGHT	Rolling Stop	
18:23:57	NB	LEFT	Complete Stop	
18:24:00	SB	THRU	Complete Stop	
18:24:14	SB	THRU	Rolling Stop	
18:26:38	NB	THRU	No Stop	
18:27:34	NB	LEFT	Rolling Stop	
18:29:00	NB	THRU	Rolling Stop	
18:31:26	EB	RIGHT	Rolling Stop	
18:31:39	NB	THRU	Rolling Stop	
18:31:45	NB	THRU	Rolling Stop	
18:32:48	EB	RIGHT	Rolling Stop	
18:33:28	SB	THRU	Rolling Stop	
18:33:33	NB	THRU	Rolling Stop	
18:36:54	NB	LEFT	Rolling Stop	
18:38:20	EB	RIGHT	Rolling Stop	
18:39:38	EB	LEFT	Rolling Stop	
18:40:41	SB	THRU	Rolling Stop	
18:41:00	EB	RIGHT	Rolling Stop	
18:41:03	SB	THRU	Rolling Stop	
18:41:34	EB	LEFT	Rolling Stop	
18:42:39	NB	THRU	Rolling Stop	
18:43:49	EB	RIGHT	Rolling Stop	
18:44:49	EB	LEFT	Rolling Stop	
18:44:56	SB	THRU	Complete Stop	
18:46:18	NB	LEFT	Rolling Stop	
18:46:38	NB	THRU	Rolling Stop	
18:46:42	NB	THRU	Rolling Stop	
18:47:25	SB	THRU	Rolling Stop	
18:48:15	EB	RIGHT	Rolling Stop	
18:48:22	NB	LEFT	Rolling Stop	
18:48:44	SB	THRU	Rolling Stop	
18:49:55	SB	RIGHT	Rolling Stop	
18:50:09	NB	THRU	Rolling Stop	
18:50:10	SB	UTURN	Rolling Stop	
18:50:36	EB	RIGHT	Rolling Stop	
18:51:12	NB	LEFT	Rolling Stop	
18:51:43	EB	RIGHT	Rolling Stop	
18:53:06	NB	LEFT	Rolling Stop	
18:53:41	EB	RIGHT	Rolling Stop	
18:54:09	SB	THRU	Rolling Stop	
18:54:42	NB	LEFT	Rolling Stop	
18:56:10	EB	RIGHT	Rolling Stop	
18:57:17	NB	THRU	Rolling Stop	
18:58:30	SB	THRU	Complete Stop	
18:59:49	EB	RIGHT	Rolling Stop	
19:00:13	SB	THRU	complete stop	
19:00:43	EB	LEFT	Rolling Stop	
19:02:21	NB	LEFT	Rolling Stop	
19:05:20	SB	THRU	Rolling Stop	
19:06:09	SB	THRU	Rolling Stop	
19:07:56	NB	THRU	Rolling Stop	
19:08:07	EB	RIGHT	Rolling Stop	

Stop-Sign Compliance Study

Location: Ericson Way (NS) & Earhart Rd (south) (EW)
City: Laguna Hills

Day: Tuesday
Date: 8/19/2025

Stop Sign Compliance [Timestamp]				
Timestamp (hh:mm:ss)	Bound	Movement	Stop Type	Notes
19:09:06	NB	LEFT	Rolling Stop	
19:09:09	NB	THRU	Rolling Stop	
19:10:27	NB	THRU	Rolling Stop	
19:10:52	NB	LEFT	Rolling Stop	
19:11:48	NB	LEFT	Rolling Stop	
19:16:37	NB	LEFT	Rolling Stop	
19:16:52	SB	THRU	Rolling Stop	
19:17:41	EB	RIGHT	Rolling Stop	
19:18:39	NB	LEFT	Rolling Stop	
19:18:43	SB	THRU	Rolling Stop	
19:20:16	EB	RIGHT	Rolling Stop	
19:20:26	NB	THRU	Rolling Stop	
19:20:44	NB	THRU	Rolling Stop	
19:20:50	EB	RIGHT	Rolling Stop	
19:21:30	EB	RIGHT	Rolling Stop	
19:21:49	SB	THRU	Rolling Stop	
19:22:04	NB	LEFT	Rolling Stop	
19:23:05	SB	THRU	Rolling Stop	
19:23:30	SB	THRU	Rolling Stop	
19:23:34	SB	THRU	Rolling Stop	
19:25:02	NB	LEFT	Rolling Stop	
19:25:34	NB	LEFT	Complete Stop	
19:25:42	SB	THRU	Rolling Stop	
19:26:36	NB	LEFT	Rolling Stop	
19:28:16	SB	THRU	Rolling Stop	
19:30:53	NB	LEFT	Rolling Stop	
19:30:59	NB	LEFT	Rolling Stop	
19:31:34	NB	LEFT	Rolling Stop	
19:33:08	SB	THRU	Rolling Stop	
19:35:45	NB	LEFT	Rolling Stop	
19:37:25	SB	THRU	Rolling Stop	
19:38:04	EB	RIGHT	Rolling Stop	
19:40:09	NB	LEFT	Rolling Stop	
19:40:34	NB	LEFT	Rolling Stop	
19:40:51	NB	THRU	Rolling Stop	
19:41:09	SB	THRU	Rolling Stop	
19:41:48	NB	THRU	Rolling Stop	
19:41:58	NB	THRU	Rolling Stop	
19:42:02	EB	RIGHT	Rolling Stop	
19:43:01	NB	LEFT	Rolling Stop	
19:44:10	NB	THRU	Complete Stop	
19:46:19	EB	RIGHT	Rolling Stop	
19:46:35	EB	RIGHT	Rolling Stop	
19:47:11	EB	RIGHT	Rolling Stop	
19:49:36	EB	RIGHT	Rolling Stop	
19:50:09	EB	RIGHT	Complete Stop	
19:52:20	NB	LEFT	Rolling Stop	
19:53:49	NB	LEFT	Rolling Stop	
19:53:55	NB	LEFT	Rolling Stop	
19:54:30	SB	THRU	Rolling Stop	
19:57:12	NB	LEFT	Rolling Stop	
19:57:35	NB	THRU	Rolling Stop	
20:03:08	NB	THRU	Rolling Stop	
20:03:10	SB	THRU	Complete Stop	
20:06:10	NB	LEFT	Rolling Stop	
20:06:37	NB	LEFT	Rolling Stop	
20:07:53	EB	RIGHT	Rolling Stop	
20:09:29	NB	LEFT	Rolling Stop	
20:10:41	NB	LEFT	Rolling Stop	
20:12:50	NB	LEFT	Rolling Stop	
20:13:40	NB	THRU	Rolling Stop	
20:14:01	NB	THRU	Rolling Stop	
20:14:57	NB	LEFT	No Stop	
20:15:01	SB	THRU	Complete Stop	
20:16:21	NB	LEFT	Rolling Stop	
20:20:00	NB	THRU	Rolling Stop	
20:21:33	NB	LEFT	Rolling Stop	
20:23:47	NB	LEFT	Rolling Stop	
20:26:47	SB	THRU	Rolling Stop	
20:27:02	NB	THRU	Rolling Stop	
20:27:30	NB	LEFT	Rolling Stop	
20:28:03	NB	LEFT	Rolling Stop	
20:28:49	NB	LEFT	Rolling Stop	

Stop-Sign Compliance Study

Location: Ericson Way (NS) & Earhart Rd (south) (EW)
 City: Laguna Hills

Day: Tuesday
 Date: 8/19/2025

Stop Sign Compliance [Timestamp]				
Timestamp (hh:mm:ss)	Bound	Movement	Stop Type	Notes
20:29:18	EB	RIGHT	Rolling Stop	
20:29:35	SB	THRU	Rolling Stop	
20:31:11	EB	RIGHT	Rolling Stop	
20:31:20	NB	THRU	Rolling Stop	
20:32:53	NB	LEFT	Rolling Stop	
20:35:48	NB	LEFT	Rolling Stop	
20:37:01	SB	THRU	Rolling Stop	
20:39:48	NB	THRU	Rolling Stop	
20:40:06	NB	THRU	Rolling Stop	
20:41:28	NB	LEFT	Complete Stop	
20:45:21	EB	RIGHT	Rolling Stop	
20:46:37	NB	THRU	Rolling Stop	
20:46:45	NB	LEFT	Rolling Stop	
20:50:23	EB	RIGHT	Rolling Stop	
20:52:58	SB	THRU	Rolling Stop	
20:53:38	NB	THRU	Rolling Stop	
20:54:02	NB	LEFT	Rolling Stop	
20:56:29	EB	RIGHT	Rolling Stop	
20:59:52	NB	LEFT	Complete Stop	
21:01:25	SB	THRU	Rolling Stop	
21:05:53	SB	THRU	Rolling Stop	
21:06:21	EB	RIGHT	Rolling Stop	
21:07:11	NB	LEFT	Complete Stop	
21:09:01	EB	RIGHT	Complete Stop	
21:09:54	NB	LEFT	Rolling Stop	
21:18:54	EB	UTURN	Complete Stop	
21:18:59	NB	THRU	Complete Stop	
21:20:51	NB	THRU	Rolling Stop	
21:26:10	NB	THRU	Rolling Stop	
21:27:58	NB	LEFT	Rolling Stop	
21:29:27	EB	RIGHT	Rolling Stop	
21:29:33	NB	THRU	Complete Stop	
21:30:36	EB	RIGHT	Rolling Stop	
21:40:09	NB	LEFT	Rolling Stop	
21:51:00	EB	RIGHT	Rolling Stop	
21:52:49	SB	THRU	Rolling Stop	
21:55:42	SB	THRU	Rolling Stop	
22:05:13	SB	THRU	Rolling Stop	
22:05:35	NB	THRU	Rolling Stop	
22:08:37	NB	LEFT	Rolling Stop	
22:08:44	NB	LEFT	Rolling Stop	
22:12:08	SB	THRU	Rolling Stop	
22:12:57	EB	RIGHT	Rolling Stop	
22:17:51	NB	THRU	Complete stop	
22:19:04	NB	LEFT	Rolling Stop	
22:19:06	EB	RIGHT	Rolling Stop	
22:20:24	SB	RIGHT	Rolling Stop	
22:21:35	NB	THRU	Rolling Stop	
22:25:27	EB	RIGHT	Rolling Stop	
22:27:02	EB	RIGHT	Rolling Stop	
22:36:56	SB	THRU	Rolling Stop	
22:37:20	NB	THRU	Rolling Stop	
22:40:46	NB	THRU	Rolling Stop	
22:54:11	EB	LEFT	Rolling Stop	
23:05:40	EB	LEFT	Rolling Stop	
23:07:31	NB	THRU	Rolling Stop	
23:11:26	EB	LEFT	Rolling Stop	
23:11:54	NB	THRU	Complete Stop	
23:12:09	SB	THRU	Rolling Stop	
23:28:44	NB	THRU	Rolling Stop	
23:28:54	NB	THRU	Rolling Stop	
23:34:25	SB	RIGHT	Rolling Stop	
23:43:55	NB	THRU	Rolling Stop	
23:45:17	NB	LEFT	Rolling Stop	
23:48:12	SB	THRU	Rolling Stop	
23:56:17	NB	THRU	Rolling Stop	

1234

APPENDIX D

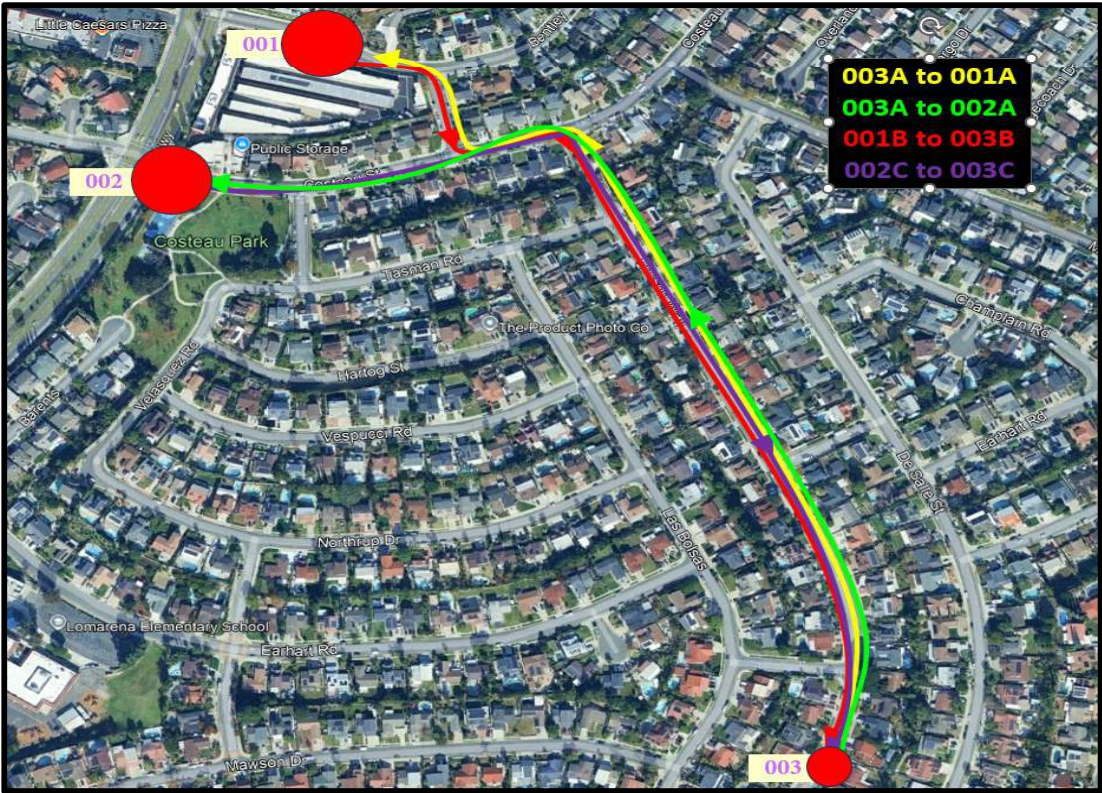
**ORIGIN-DESTINATION DATA
(TRAVEL PATHS 1 – 4)**

Origin Destination Study

Location: 25-010290
 City: Laguna Hills, CA

Date: 8/19/2025
 Day: Tuesday

(1ST TRAVEL PATH) 003A to 001A											
AM						PM					
Time	License Plate	Time	License Plate	Duration (hh:mm)	Cut-Thru?	Time	License Plate	Time	License Plate	Duration (hh:mm)	Cut-Thru?
7:39 AM	F661	8:13 AM	F661	0:34	NO	3:49 PM	G899	5:34 PM	G899	1:44	NO
7:45 AM	W658	8:37 AM	W658	0:51	NO	3:52 PM	YWGM	4:59 PM	YWGM	1:06	NO
8:14 AM	W373	8:18 AM	W373	0:04	NO	3:54 PM	R100	4:58 PM	R100	1:03	NO
8:33 AM	H567	8:51 AM	H567	0:17	NO						
Total	4					Total	3				



Origin Destination Study

Location: 25-010290
 City: Laguna Hills, CA

Date: 8/19/2025
 Day: Tuesday

(2ND TRAVEL PATH) 003A to 002A											
AM						PM					
Time	License Plate	Time	License Plate	Duration (hh:mm)	Cut-Thru?	Time	License Plate	Time	License Plate	Duration (hh:mm)	Cut-Thru?
7:54 AM	1996	7:56 AM	1996	0:01	YES	3:06 PM	P769	3:45 PM	P769	0:39	NO
						3:40 PM	34M2	4:21 PM	34M2	0:40	NO
						4:08 PM	C186	4:28 PM	C186	0:19	NO
						4:18 PM	C472	5:25 PM	C472	1:07	NO
Total	1					Total	4				



Origin Destination Study

Location: 25-010290
 City: Laguna Hills, CA

Date: 8/19/2025
 Day: Tuesday

(3RD TRAVEL PATH) 001B to 003B											
AM						PM					
Time	License Plate	Time	License Plate	Duration (hh:mm)	Cut-Thru?	Time	License Plate	Time	License Plate	Duration (hh:mm)	Cut-Thru?
7:45 AM	R499	7:47 AM	R499	0:01	YES	3:02 PM	E238	3:25 PM	E238	0:22	NO
						3:04 PM	P175	3:20 PM	P175	0:15	NO
						3:37 PM	D614	4:00 PM	D614	0:22	NO
						4:10 PM	D117	4:54 PM	D117	0:44	NO
						4:10 PM	R677	4:17 PM	R677	0:06	NO
						4:17 PM	2144	5:11 PM	2144	0:54	NO
						4:29 PM	L883	4:43 PM	L883	0:14	NO
						4:35 PM	R115	4:48 PM	R115	0:12	NO
						4:57 PM	H685	5:03 PM	H685	0:06	NO
Total	1					Total	9				

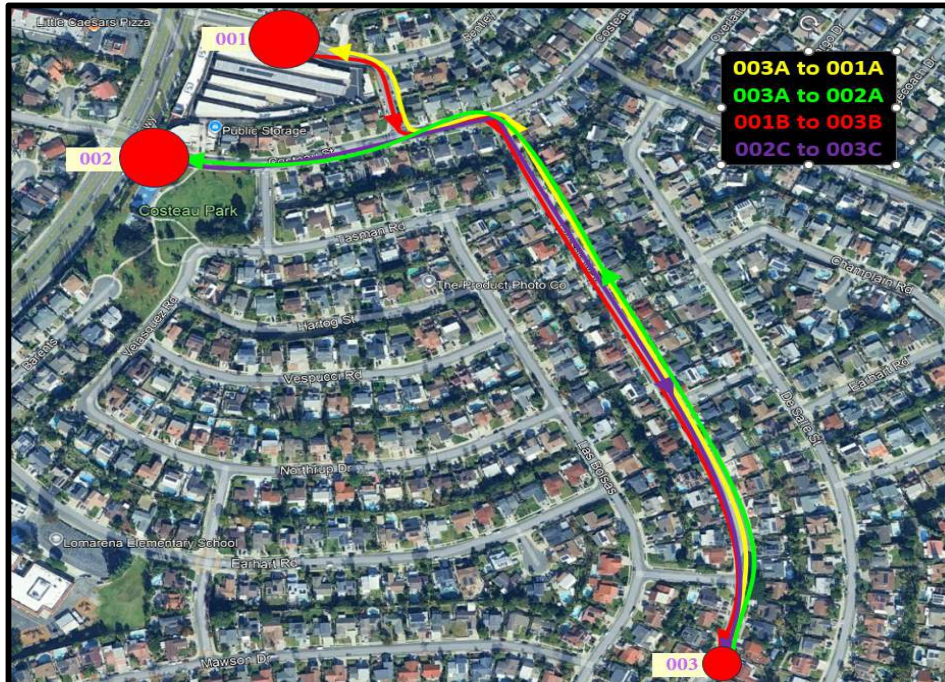


Origin Destination Study

Location: 25-010290
 City: Laguna Hills, CA

Date: 8/19/2025
 Day: Tuesday

(4TH TRAVEL PATH) 002C to 003C											
AM						PM					
Time	License Plate	Time	License Plate	Duration (hh:mm)	Cut-Thru?	Time	License Plate	Time	License Plate	Duration (hh:mm)	Cut-Thru?
7:02 AM	S730	8:55 AM	S730	1:53	NO	3:18 PM	S377	4:33 PM	S377	1:15	NO
7:28 AM	C666	7:35 AM	C666	0:06	NO	3:46 PM	F359	4:37 PM	F359	0:50	NO
7:46 AM	K906	8:52 AM	K906	1:05	NO	4:17 PM	N523	4:23 PM	N523	0:06	NO
						4:29 PM	F928	5:04 PM	F928	0:34	NO
						5:03 PM	C359	5:10 PM	C359	0:07	NO
						5:29 PM	C181	5:37 PM	C181	0:07	NO
						5:56 PM	89R3	6:03 PM	89R3	0:07	NO
Total	3					Total	7				





City of Laguna Hills Traffic Commission Staff Report

Date: January 21, 2026
To: Traffic Commissioners
From: Joe Ames, Assistant City Manager
Issue: Parking Stall Delineation on Via Lomas

Recommendation: That the Traffic Commission recommend to the City Council that marked parallel parking "T's" be installed along Via Lomas.

Background:

At the November 19, 2025, Traffic Commission meeting, Vice Chair Patel requested that City staff agendaize discussion of installing "T's" on Via Lomas as part of the January 21, 2026, Traffic Commission meeting.

A parking "T" marker is a pavement marking in the shape of a "T" used to delineate individual parking spaces, helping to ensure vehicles are parked in an orderly and efficient manner by minimizing large gaps between vehicles. Installation of "T's" are permitted in the California Manual of Uniform Traffic Control Devices (CA MUTCD). Attached is an excerpt and diagram from the MUTCD.

Via Lomas is a 40 foot wide street that connects Alicia Parkway and Moulton Parkway. The fronting uses generally include higher density residential buildings and a private, community park. There is no striping on the street other than centerline street striping. The prima facie speed limit is 25 mph. The street is signed with No Parking during street sweeping from 10 AM to 2PM on the 2nd and 4th Wednesdays of the month. There are several No Parking zones established on the street to preserve sight distance at driveways, at the entrance to the tract, and around fire hydrants and mailboxes.

After conducting field observations staff found that parking on Via Lomas is in high demand. It was also noted some vehicles park with large gaps in between other

adjacent vehicles possibly limiting the total number of vehicles that can park on the west side of the street. The addition of marked parallel parking stalls using “T’s” should help to address gaps between vehicles and ensure that vehicles will be evenly spaced. The installation of marked spaces will not reduce existing parking spaces. Therefore, City staff supports the use of “T’s” to maximize parking on Via Lomas.

The Laguna Hills Municipal Code is silent on the authority of the City Manager to install “T’s” to delineate individual parallel parking spaces on City streets. Thus, City staff’s recommendation is for the Traffic Commission to recommend to the City Council that marked parallel parking “T’s” be installed along Via Lomas.

Fiscal Impact:

The cost of installing T's is projected to be \$5,000.00. Available budget exists in the Public Works Department's operating budget for this work.

Attachments:

- 1. MUTCD Text Excerpt
- 2. MUTCD Diagram
- 3. 2023 Aerial Photos of Via Lomas
- 4. Examples of Vehicle Parking Gaps on Via Lomas

Guidance:

24 Mid-block pedestrian crossings are generally unexpected by the motorist and should be discouraged unless, in the opinion of the engineer, there is strong justification in favor of such installation. Particular attention should be given to roadways with two or more traffic lanes in one direction as a pedestrian may be hidden from view by a vehicle yielding the right-of-way to a pedestrian.

Option:

25 When diagonal or longitudinal lines are used to mark a crosswalk, the transverse crosswalk lines may be omitted.

Standard:

26 However, when the factor that determined the need to mark a crosswalk is the clarification of pedestrian routes for sight-impaired pedestrians, the transverse crosswalk lines shall be marked.

Option:

27 At controlled approaches, limit lines (stop lines) help to define pedestrian paths and are therefore a factor the engineer may consider in deciding whether or not to mark the crosswalk.

28 Where it is desirable to remove a marked crosswalk, the removal may be accomplished by repaving or surface treatment.

Guidance:

29 A marked crosswalk should not be eliminated by allowing it to fade out or be worn away.

Support:

30 The worn or faded crosswalk retains its prominent appearance to the pedestrian at the curb, but is less visible to the approaching road user.

Standard:

31 Notification to the public shall be given at least 30 days prior to the scheduled removal of an existing marked crosswalk. The notice of proposed removal shall inform the public how to provide input related to the scheduled removal and shall be posted at the crosswalk identified for removal. Refer to CVC 21950.5

Option:

32 Signs may be installed at or adjacent to an intersection directing that pedestrians shall not cross in a crosswalk indicated at the intersection in accordance with CVC 21106(b).

33 White PED XING pavement markings may be placed in each approach lane to a marked crosswalk, except at intersections controlled by traffic signals or STOP or YIELD signs.

Section 3B.19 Parking Space Markings

Support:

01 Marking of parking space boundaries encourages more orderly and efficient use of parking spaces where parking turnover is substantial. Parking space markings tend to prevent encroachment into fire hydrant zones, bus stops, loading zones, approaches to intersections, curb ramps, and clearance spaces for islands and other zones where parking is restricted. Examples of parking space markings are shown in Figure ~~3B-21~~ 3B-21(CA).

Standard:

02 Parking space markings shall be white.

Option:

03 Blue lines may supplement white parking space markings of each parking space designated for use only by persons with disabilities.

Support:

04 Additional parking space markings for the purpose of designating spaces for use only by persons with disabilities are discussed in Section 3B.20 and illustrated in Figure ~~3B-22~~ 3B-22(CA). The design and layout of accessible parking spaces for persons with disabilities is provided in the "Americans with Disabilities Act Accessibility Guidelines (ADAAG)" (see Section 1A.11).

Support:

05 Refer to CVC 22500 through 22522 for parking space markings.

06 Refer to Section 2B.39 for Parking Regulations.

Policy on Parking Restrictions

Option:

07 Local authorities may, by ordinance, provide for the establishment of parking meter zones and cause streets and highways to be marked with white lines designating parking spaces. Refer to CVC Section 22508.

Standard:

08 Where the proposed zones are on State highways, the ordinances shall be approved by Caltrans.

09 Local authorities shall furnish a sketch or map showing the definite location of all parking meter stalls on State highways before Caltrans approval is given.

Support:

10 The District Directors have been delegated the authority to approve such ordinances.

11 The desirable dimensions of parking meter stalls are 8 feet by 24 feet with a minimum length of 20 feet.

Guidance:

12 *At all intersections, one stall length on each side measured from the crosswalk or end of curb return should have parking prohibited. A clearance of 6 feet measured from the curb return should be provided at alleys and driveways.*

13 *At signalized intersections parking should be prohibited for a minimum of 30 feet on the near side and one stall length on the far side. See Figure 3B-21(CA).*

Standard:

14 The departmental approval for the installation of the parking meters shall be covered by an encroachment permit.

Section 3B.20 Pavement Word, Symbol, and Arrow Markings

Support:

01 Word, symbol, and arrow markings on the pavement are used for the purpose of guiding, warning, or regulating traffic. These pavement markings can be helpful to road users in some locations by supplementing signs and providing additional emphasis for important regulatory, warning, or guidance messages, because the markings do not require diversion of the road user's attention from the roadway surface. Symbol messages are preferable to word messages. Examples of standard word and arrow pavement markings are shown in Figures ~~3B-23~~ **3B-23(CA)** and ~~3B-24~~ **3B-24(CA)**.

01a Normally, pavement word and symbol markings supplement standard signing.

Option:

02 Word, symbol, and arrow markings, including those contained in the "Standard Highway Signs and Markings" book (see Section 1A.11), may be used as determined by engineering judgment to supplement signs and/or to provide additional emphasis for regulatory, warning, or guidance messages. Among the word, symbol, and arrow markings that may be used are the following:

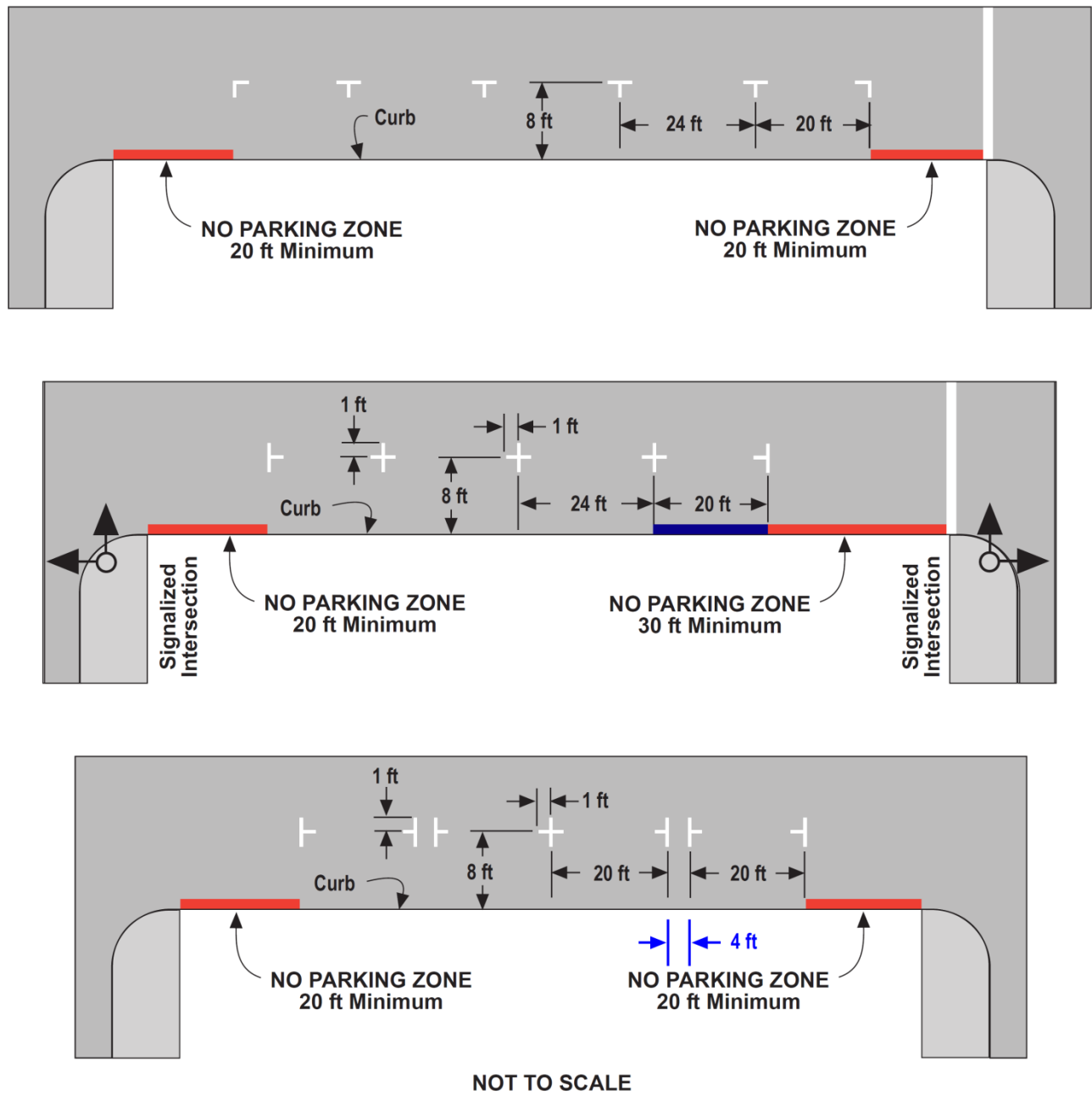
A. Regulatory:

1. STOP
2. YIELD
3. RIGHT (LEFT, U) TURN ONLY
4. 25 MPH
5. Lane-use and wrong-way arrows
6. Diamond symbol for HOV lanes
7. Other preferential lane word markings

B. Warning:

1. STOP AHEAD
2. YIELD AHEAD
3. YIELD AHEAD triangle symbol
4. SCHOOL XING
5. SIGNAL AHEAD
6. PED XING
7. SCHOOL
8. R X R
9. BUMP
10. HUMP
11. Lane-reduction arrows
12. TRAIL XING

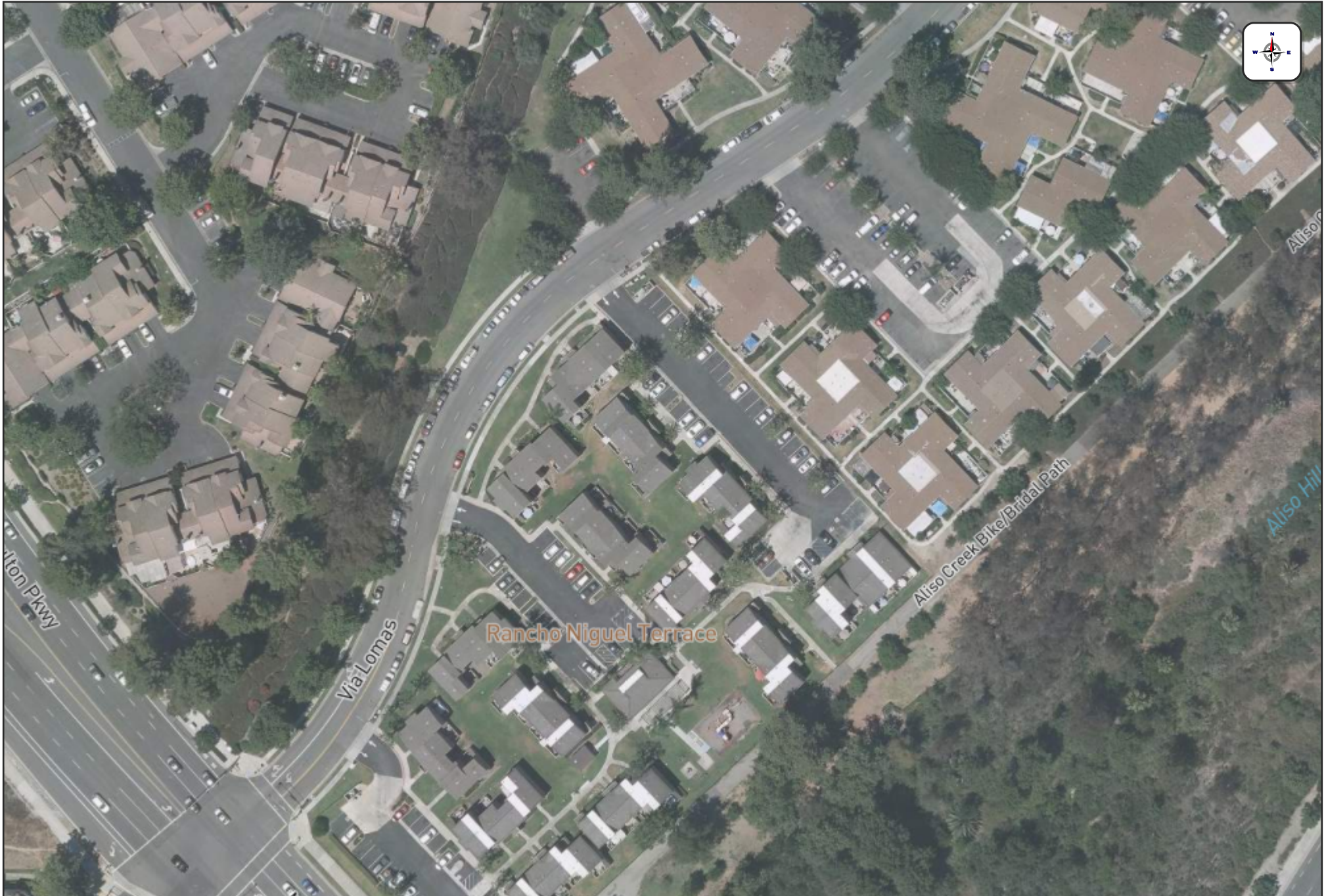
Figure 3B-21 (CA). Examples of Parking Space Markings



NOTES:

1. For Parking Stalls along the left side curb on one-way streets, markings may be placed on the curb delineating the ends of the individual stalls.
2. All stall markings are made with 4 in wide white lines. The shape is optional.
3. The parking stall cross line, 8 ft from the curb, may be continuous longitudinally.

Via Lomas Aerial Photograph



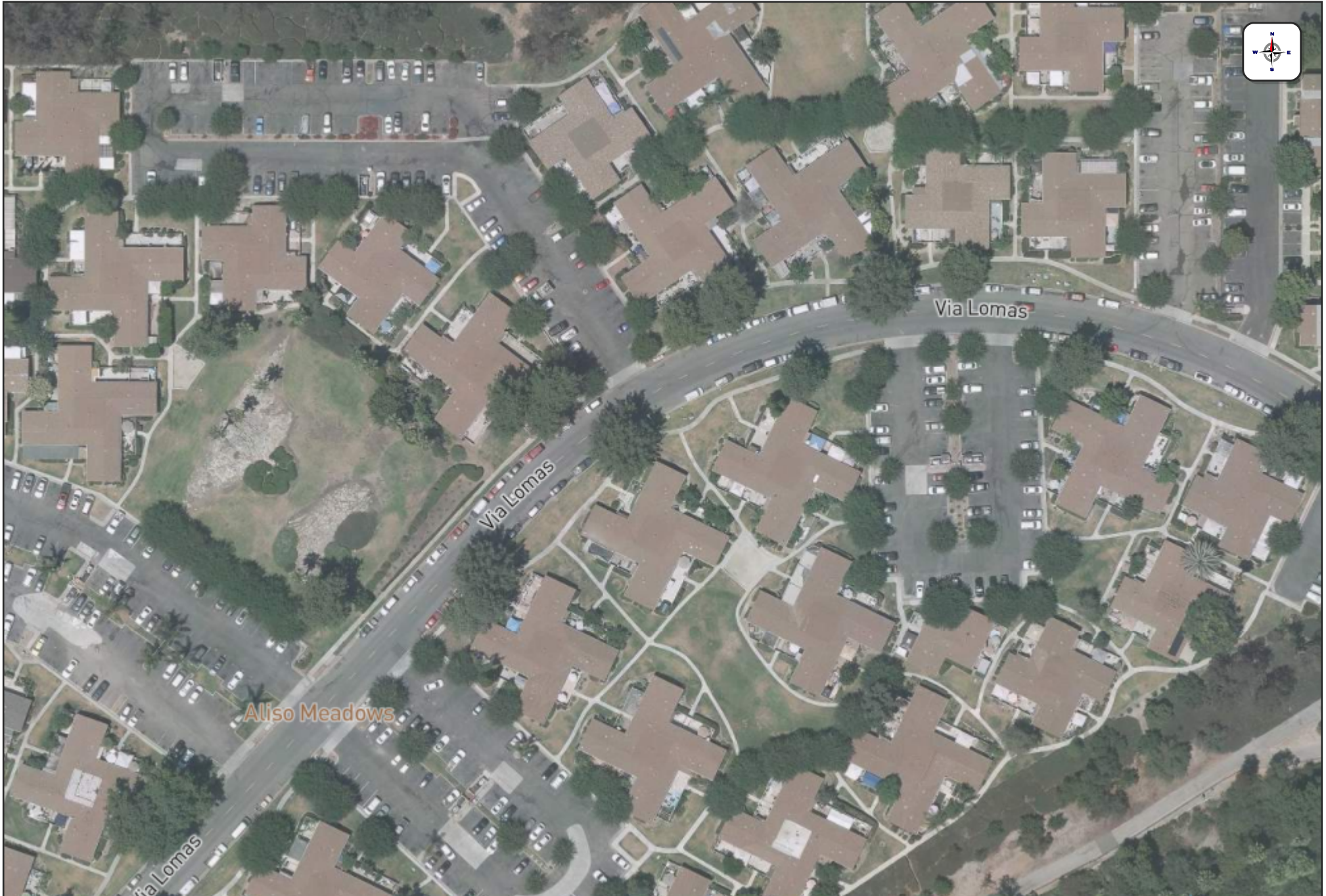
1" = 100 ft

2023 Aerial Photo - Date Unknown

01/14/2026



Via Lomas Aerial Photograph



1" = 100 ft

2023 Aerial Photo - Date Unknown

01/14/2026



Via Lomas Aerial Photograph



1" = 100 ft

2023 Aerial Photo - Date Unknown

01/14/2026



Examples of Vehicle Parking Gaps





City of Laguna Hills Traffic Commission Staff Report

Date: January 21, 2026
To: Traffic Commissioners
From: Samantha Vu, Assistant Engineer
Issue: Moulton Ranch Parking Prohibition During Street Sweeping History

Recommendation: That the Traffic Commission receive and file the report.

Background:

The City provides street sweeping services to residential areas two times per month. Generally, consistent street sweeping can help remove trash and debris from roadways and street gutters. The City is required to conduct street sweeping on residential streets to meet the requirements of the National Pollutant Discharge Elimination System (NPDES) Permits issued by the California Regional Water Quality Control Boards. Thus, street sweeping has become an important factor in meeting our goals to improve water quality in our watersheds.

During the previous Traffic Commission meeting on November 19, 2025, the Traffic Commission requested City staff research and report the process that Moulton Ranch III went through to establish no parking during hours of street sweeping on the public streets within the entire neighborhood. Staff found the corresponding City Council agenda report and resolution regarding this topic, attached. Staff found that this item was taken directly to City Council and was not presented to the Traffic Commission at the time. The vicinity map of Moulton Ranch III and signed resolution are attached.

This item was a formal request from the Moulton Ranch III Homeowners Association and was taken to the City Council for approval on August 26, 2003. Staff at the time reviewed the area along with Police Services and the City's contracted street sweeper. It was determined that the area could be established and enforced with current resources. This determination had minimal fiscal impact as only three signs would need

to be posted to the Moulton Ranch III area, specifically at the development entrances to notify motorists of the parking restriction. The Homeowners Association also was responsible for notifying all their residents via newsletter of the planned implementation of no parking during the hours of street sweeping. Police Services agreed to the additional enforcement duties but specified that if more areas requested enforcement, the program would likely have to be reviewed and adjusted in order to meet the demands for enforcement.

Moulton Ranch III Homeowners Association was not the first homeowner association to request street sweeping parking restrictions. Two other homeowner associations also requested street sweeping parking restrictions: Via Lomas was first approved by City Council in December 2001 after a request from the master association was received, and the entire residential tract of Lomas Laguna was first approved in November 2002 after a request from that association was received (with the residential street permit parking program being added later).

However, City staff found that two other public streets not located within or adjacent to a formal homeowner association, Overland Drive and Cajon Drive, were done by petition in October, 2008. For those streets, a petition was circulated for signature where at least a majority of residents were required to be in support of the street sweeping parking restriction. This request was reviewed and recommended by the Traffic Commission, and was ultimately approved by the City Council. The agenda report and resolution for these streets are also attached to this report.

Fiscal Impact:

There is no fiscal impact associated with the preparation of this report.

Attachments:

- 1. Traffic Commission Agenda Report dated August 26, 2003, 4.4 Moulton Ranch III
- 2. Via Lomas Resolution
- 3. Traffic Commission Agenda Report dated November 20, 2002, 4.3 Lomas Laguna
- 4. Resolution 2008-10-14-1 and 2008-10-14-2, Overland and Cajon

CITY OF LAGUNA HILLS

AGENDA REPORT PUBLIC SERVICES DEPARTMENT

ISSUE: ESTABLISHMENT OF NO PARKING ZONE DURING HOURS OF STREET SWEEPING IN THE MOULTON RANCH III DEVELOPMENT

SUMMARY:

Staff was contacted by the Moulton Ranch III Homeowners Association with a request to establish no parking during hours of street sweeping to enhance the ability of the City's street sweeper to clean the streets. Upon review of the location and in consultation with the Sheriff's Department and the contract street sweeper, it was determined that this No Parking Zone could be established and enforced. The ability to improve street cleaning is beneficial to the community and the City with regards to water quality goals and aesthetic improvements. Staff is supportive of the establishment of the No Parking Zone during hours of street sweeping.

BACKGROUND:

The City provides street sweeping services in our residential areas two times per month. Street sweeping services are provided to help clean the street and improve the aesthetics of our communities. In addition, street cleaning has become an important factor in meeting our goals to improve water quality in downstream tributary areas. In the past, the City Council has established no parking during street sweeping hours on Via Lomas Street, between Alicia Parkway and Moulton Parkway, and in the residential area governed by the Lomas Laguna Homeowners Association, the residential streets generally located southwest of the intersection of Alicia Parkway and Moulton Parkway. Recently, staff received a request from the Moulton Ranch III Homeowners Association to establish no parking during hours of street sweeping services on all streets in that development. The Moulton Ranch III residential area is shown on the attached vicinity map.

RECOMMENDATION: THAT THE CITY COUNCIL ADOPT A RESOLUTION ENTITLED: "A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LAGUNA HILLS, CALIFORNIA, ESTABLISHING A NO PARKING ZONE DURING HOURS AND DAYS OF STREET SWEEPING ON VARIOUS STREETS IN THE MOULTON RANCH III PLANNED COMMUNITY."

Agenda Report
Establishment of No Parking Zone
During Hours of Street Sweeping in the
Moulton Ranch III Homeowners Association
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Upon reviewing the request from Moulton Ranch III, staff worked with the contract street sweeper and the Sheriff's Department to determine if it was feasible to maintain consistent street sweeping hours and days and to also provide police enforcement of the no parking restriction. Currently, the Moulton Ranch III area street sweeping is on the second and fourth Mondays, whereas the Lomas Laguna area is swept on Tuesdays and the Via Lomas area is swept on Wednesdays. Therefore, the street sweeper was able to assure the City of consistent street sweeping hours of 8:00 a.m. to 12 noon in the Moulton Ranch III area and the Sheriff's Department was able to commit to parking enforcement during that time, subject to the availability of the Community Service Officer.

Police enforcement of the No Parking Zone is important to establish a pattern with the residents but does not have to occur during each street sweeping cycle. However, if we continue to get requests for no parking zones during hours of street sweeping in other areas of the City, the enforcement program will have to be reviewed and likely adjusted in order to meet the demands for enforcement.

Staff is supportive of the establishment of the No Parking Zone during hours and days of street sweeping services as it furthers the City's goals for community aesthetics and water quality improvements. In the case of the Moulton Ranch III area, only three signs will be necessary to post at the development entrances to notify motorists of the parking restriction and the Homeowners Association is notifying all residents by newsletter of the planned implementation of the No Parking Zone.

FISCAL IMPACT:

The establishment of a No Parking Zone during hours and days of street sweeping in the Moulton Ranch III community will require the posting of three signs at an estimated cost of \$600. Funds are available for this work in the 2003-04 Public Works Maintenance Budget.

RECOMMENDATION: THAT THE CITY COUNCIL ADOPT A RESOLUTION ENTITLED: "A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LAGUNA HILLS, CALIFORNIA, ESTABLISHING A NO PARKING ZONE DURING HOURS AND DAYS OF STREET SWEEPING ON VARIOUS STREETS IN THE MOULTON RANCH III PLANNED COMMUNITY."

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Establishment of No Parking Zone
During Hours of Street Sweeping in the
Moulton Ranch III Homeowners Association
Page 3

ATTACHMENTS:

- Resolution
- Vicinity Map

RESOLUTION NO. 2003-08-26-2

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LAGUNA HILLS, CALIFORNIA, ESTABLISHING A NO PARKING ZONE DURING HOURS AND DAYS OF STREET SWEEPING ON VARIOUS STREETS IN THE MOULTON RANCH III PLANNED COMMUNITY

WHEREAS, the Moulton Ranch III Homeowners Association has requested the City to establish a No Parking Zone during hours and days of street sweeping; and

WHEREAS, the streets within the Moulton Ranch III Planned Community are provided street sweeping services on the second and fourth Mondays of the month between 8:00 a.m. to 12 noon; and

WHEREAS, the establishment of a No Parking Zone during hours and days of street sweeping will improve community aesthetics and further the City's goals of improved water quality.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF LAGUNA HILLS, CALIFORNIA, DOES RESOLVE, DECLARE, DETERMINE, AND ORDER AS FOLLOWS:

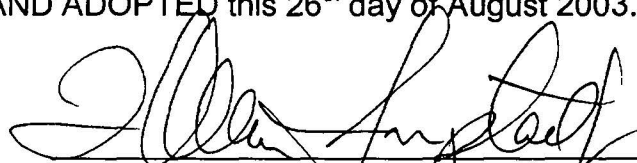
SECTION 1. There is hereby established a No Parking Zone during hours and days of street sweeping in the Moulton Ranch III Planned Community streets on the second and fourth Mondays of every month between the hours of 8:00 a.m. to 12 noon.

SECTION 2. The Moulton Ranch III Planned Community streets affected by the establishment of said No Parking Zone include Bridlewood Drive, from Oso Parkway to Vista Viejo Drive, and the full length of Anadale Lane, Barkstone Lane, Carlson Court, Cedarbluff Terrace, Devonshire Road, Elderbrook Lane, Elm Bank Drive, Eucalyptus Drive, Faircourt Lane, Falling Leaf Drive, Fletcher Place, Golden Rod Circle, Green Hills Lane, Ironwood Drive, Laurel Crest Drive, Magnolia Court, Maple View Drive, Meadow Crest Drive, Middleridge Lane, Moore Oaks Road, Oak Hollow Road, Patterson Place, Poinsettia Court, Rain Tree Road, Rolling Hills Road, White Oaks Drive, Wood Brook Road, Woodbluff Road, Vista Viejo Drive, and Willow Tree Lane.

SECTION 3. The City Engineer is hereby authorized to adjust the hours and days of said No Parking Zone restriction as may be necessary to meet the needs of the street sweeping schedule, as determined by the City Engineer.

SECTION 4. The City Engineer shall cause signage to be posted at the entrances to the Moulton Ranch III Planned Community to establish the No Parking Zone during hours and days of street sweeping.

PASSED, APPROVED, AND ADOPTED this 26th day of August 2003.


L. ALLAN SONGSTAD, JR. / MAYOR

ATTEST:


MARY A. CARLSON, CITY CLERK

STATE OF CALIFORNIA)
COUNTY OF ORANGE) ss
CITY OF LAGUNA HILLS)

I, Mary A. Carlson, City Clerk of the City of Laguna Hills, California, DO
HEREBY CERTIFY that the foregoing is a true and correct copy of Resolution No.
2003-08-26-2 adopted by the City Council of the City of Laguna Hills, California, at a
Regular Meeting thereof held on the 26th day of August 2003, by the following vote:

- AYES: Council Member Carruth, Mayor Pro Tempore Lautenschleger, and Mayor Songstad
- NOES: None
- ABSENT: Council Members Bressette and Scott
- ABSTAIN: None

(SEAL)


MARY A. CARLSON, CITY CLERK

082603/dept/publicservices/char/agenda/citycouncil/street sweeping resolution



CITY OF LAGUNA HILLS

City Clerk

August 28, 2003

Don Chesemore, Senior Manager
Action Property Management
29B Technology Drive, Suite 100
Irvine, CA 92618

Re: Adoption of Resolution Establishing a No Parking Zone in Moulton Ranch III

Dear Mr. Chesemore:

The City Council of the City of Laguna Hills, at its regular meeting held August 26, 2003, adopted Resolution No. 2003-08-26-2. The Resolution establishes a no parking zone during hours of street sweeping in the Moulton Ranch III Development. The City Council also directed the Public Services Director to send a letter to all residents in Moulton Ranch III making them aware of the no parking during hours of street sweeping. This action will help ensure that storm water runoff remains clean.

A copy of Resolution No. 2003-08-26-2 is enclosed for your information.

If I can be of further assistance, please do not hesitate to call me at (949) 707-2635.

Very truly yours,

MARY A. CARLSON, MMC
City Clerk

Enclosure

cc: Public Services Director
Chief of Police Services

0860-50/CtyClerk/Agendas/030826 Let Moulton Ranch HOA Parking.doc

CITY OF LAGUNA HILLS

AGENDA REPORT PUBLIC SERVICES DEPARTMENT

ISSUE: ESTABLISHMENT OF NO PARKING ANYTIME ZONES AT VARIOUS LOCATIONS ON VIA LOMAS STREET

SUMMARY:

Staff received a request from the Aliso Meadows Homeowners Association to establish No Parking Zones near driveway exits along the length of Via Lomas to improve sight distance visibility for residents of the area. At the same time, a request was made to establish a No Parking Time during street sweeping operations. Staff has performed a field review of the location and determined that it is appropriate to establish No Parking Anytime Zones adjacent to each driveway and to establish a No Parking Time during street sweeping hours to improve street cleaning. The Traffic Commission recommended to the City Council the establishment of the above-described parking restrictions on Via Lomas.

BACKGROUND:

Via Lomas is a residential collector street located in the center portion of the City between Alicia Parkway and Moulton Parkway, (please see the attached vicinity map). The street serves as access to multi-unit apartments and homes with a series of off-street parking lots. However, a considerable amount of on-street parking also occurs. The curvilinear nature of the street causes some sight distance restrictions when vehicles are parked immediately adjacent to the variety of driveways along the length of the street.

In response to a letter from the primary management company for the homes, staff performed a field review of Via Lomas and determined that No Parking Zones would improve traffic safety. In the westerly bound direction there are nine driveways at which a 15-foot No Parking Zone, on the approach side of the driveway, would be appropriate to improve sight distance safety. Some of these No Parking zones will be coincident with

RECOMMENDATION: THAT THE CITY COUNCIL ADOPT A RESOLUTION ENTITLED: "A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LAGUNA HILLS ESTABLISHING NO PARKING ANYTIME ZONES AT VARIOUS LOCATIONS AND NO PARKING DURING STREET SWEEPING HOURS ON VIA LOMAS STREET FROM ALICIA PARKWAY TO MOULTON PARKWAY".

Agenda Report
Establishment of No Parking Anytime Zones
At Various Locations on Via Lomas Street
Page 2

postal boxes or fire hydrants. In addition, it is expected that school bus operations will be improved by creating spaces for the busses to stop and pickup or deliver children. In the easterly bound direction, 11 driveways will benefit from the No Parking Zone and several of these locations will be coincident with fire hydrants, mail boxes, or school bus loading areas. During the field review, staff also identified that it would be appropriate to establish an approximate 100-foot No Parking Anytime Zone on both sides of Via Lomas from Alicia Parkway westerly. This No Parking Anytime Zone would create a clear zone on the approach to and departure from the Alicia Parkway at Via Lomas intersection.

Street sweeping services are provided twice per month on all of our residential streets and once per week on our arterial highways. Generally, our arterial highways are controlled with No Parking or No Stopping Anytime Zones that allows the street sweeper to efficiently perform its work. On our residential streets, we have not established any parking restrictions for street sweeping as, in general, parking of vehicles on the streets is relatively isolated. However, on Via Lomas there is a concentration of on-street parking that makes street sweeping ineffective. Staff proposes to experiment with the effectiveness of parking restrictions during street sweeping days on Via Lomas by limiting the street to No Parking Anytime from 8:00 a.m. to Noon on the two days per month that street sweeping is performed. The result of this No Parking Zone may then be expanded to other areas of the City on an as-needed basis.

FISCAL IMPACT:

The proposed parking restriction of Via Lomas will involve the combination of the installation of signage and painted curbs with an estimated initial installation cost of approximately \$2,000. Funds are available for this work in the FY 2001-02 Public Works Maintenance Budget.

RECOMMENDATION: THAT THE CITY COUNCIL ADOPT A RESOLUTION ENTITLED: "A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LAGUNA HILLS ESTABLISHING NO PARKING ANYTIME ZONES AT VARIOUS LOCATIONS AND NO PARKING DURING STREET SWEEPING HOURS ON VIA LOMAS STREET FROM ALICIA PARKWAY TO MOULTON PARKWAY".

ATTACHMENTS:

Vicinity Map
Resolution

DECEMBER 11, 2001, ITEM NO. 4.14



VICINITY MAP

DEC 11 2001 ITEM 4 . 14

RESOLUTION NO. 2001-12-11-4

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LAGUNA HILLS, CALIFORNIA, ESTABLISHING NO PARKING ANYTIME ZONES AT VARIOUS LOCATIONS AND NO PARKING DURING STREET SWEEPING HOURS ON VIA LOMAS STREET FROM ALICIA PARKWAY TO MOULTON PARKWAY

WHEREAS, Via Lomas is a residential collector street located in the center portion of the City between Alicia Parkway and Moulton Parkway, and

WHEREAS, the curvilinear nature of the street causes some sight distance restrictions with parked vehicles immediately adjacent to the variety of driveways along the street, and

WHEREAS, traffic safety and traffic circulation would be improved with the establishment of No Parking Anytime Zones on Via Lomas, and

WHEREAS, street sweeping operations are necessary for the health, safety, and welfare of the public and parked vehicles on Via Lomas interrupts the ability to clean the streets.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF LAGUNA HILLS, CALIFORNIA, DOES RESOLVE, DECLARE, DETERMINE, AND ORDER AS FOLLOWS:

SECTION 1. There are hereby established No Parking Anytime Zones:

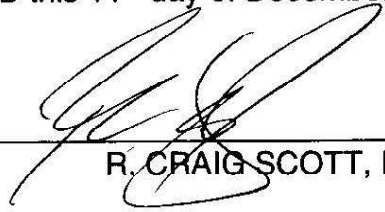
a. On the northerly side of Via Lomas at ten locations westerly and distant of Alicia Parkway from: 67' to 175', 315' to 330', 430' to 445', 498' to 514', 936' to 951', 1291' to 1315', 1363' to 1385', 1767' to 1783', 1840' to 1855', and 2149' to 2166'.

b. On the southerly side of Via Lomas at 12 locations easterly and distant of Moulton Parkway from: 318' to 335', 370' to 385', 755' to 770', 876' to 892', 1000' to 1016', 1170' to 1188', 1534' to 1551', 2025' to 2040', 2096' to 2013', 2407' to 2423', 2563' to 2579', and 2603' to 2696'.

SECTION 2. There is hereby established a No Parking Time Zone during street sweeping hours of 8:00 a.m. to noon on the second and fourth Wednesday of each month.

SECTION 3. The City Engineer is hereby directed to implement said No Parking Zones.

PASSED, APPROVED, AND ADOPTED this 11th day of December 2001.



R. CRAIG SCOTT, MAYOR

ATTEST:



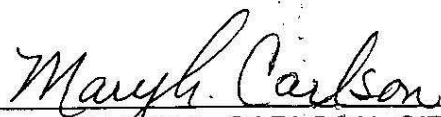
MARY A. CARLSON, CITY CLERK

STATE OF CALIFORNIA)
COUNTY OF ORANGE) ss
CITY OF LAGUNA HILLS)

I, Mary A. Carlson, City Clerk of the City of Laguna Hills, California, DO
HEREBY CERTIFY that the foregoing is a true and correct copy of Resolution No.
2001-12-11-4 adopted by the City Council of the City of Laguna Hills, California, at a
Regular Meeting thereof held on the 11th day of December 2001, by the following vote:

- AYES: Council Members Bressette, Greengold, Lautenschleger,
Mayor Pro Tempore Songstad, and Mayor Scott
- NOES: None
- ABSENT: None
- ABSTAIN: None

(SEAL)



MARY A. CARLSON, CITY CLERK

**CITY OF LAGUNA HILLS
TRAFFIC COMMISSION
AGENDA REPORT
TRAFFIC ENGINEER DEPARTMENT**

ISSUE: REQUEST FROM LOMAS LAGUNA HOMEOWNERS ASSOCIATION TO ESTABLISH A NO PARKING ANYTIME RESTRICTION DURING HOURS OF STREET SWEEPING

SUMMARY:

City staff has been contacted by the Lomas Laguna Homeowners Association requesting the establishment of no parking regulations during the City's normal street sweeping operations. While such restrictions are not common in our City, we have instituted this condition on one other street, Via Lomas, with success. Staff has field reviewed the location during days of street sweeping and have found upwards of 50 vehicles parked on the internal streets creating significant disruption to the street sweeping operations. The parked cars do not allow the streets to be entirely cleaned. In addition to aesthetic concerns and the lack of efficient street sweeping, the City is also concerned with water quality impacts from materials not picked up in the gutter that could otherwise reach the storm drain system. Staff is supportive of the request of the Lomas Laguna Homeowners Association.

BACKGROUND:

The City provides street sweeping services two times per month on all residential streets and weekly sweeping on arterial highways. Street sweeping services have historically been provided to improve the aesthetics of the community but have also been needed to remove debris and materials that can become stagnant and undesirable and can also reach the storm drain system and adversely affect water quality.

The City has not found it necessary to implement a City-wide program of parking prohibitions during street sweeping on residential streets. For other reasons there is no parking on all arterial highways. However, last year, the homeowners association associated with Via Lomas Street requested implementation of a no parking regulation during street sweeping because of their concerns for the lack of cleanliness on the street. The City Council approved that regulation and it has been in place now for approximately

RECOMMENDATION: THAT THE TRAFFIC COMMISSION RECOMMEND TO THE CITY COUNCIL THE ESTABLISHMENT OF A NO PARKING REGULATION DURING DAYS AND HOURS OF STREET SWEEPING IN THE LOMAS LAGUNA DEVELOPMENT INCLUDING ON: AMALIA STREET, ANDREA STREET, CARMEL STREET, EVA STREET, LOUISA STREET, LUPITA STREET, PATRICIA STREET, RAMONA STREET, ROSA STREET, AND YOLANDA STREET.

0860-50
031764

Agenda Report
Request from Lomas Laguna Homeowners Association
To Establish A No Parking Anytime Restriction During
Hours of Street Sweeping
Page 2

nine months. There were a few complaints from residents concerned as to where they would park their cars during street sweeping operations but compliance has been high and the street is being well cleaned. Staff considers the no parking regulation on Via Lomas Street to be very successful.

Recently, staff was contacted by the Lomas Laguna Homeowners Association, see attached letter, concerning the single family residential development located at the southwesterly corner of Moulton Parkway and Alicia Parkway, please see the attached vicinity map. The internal streets associated with this development include: Carmel Street, Amalia Street, Yolanda Street, Eva Street, Rosa Street, Andrea Street, Louisa Street, Lupita Street, Patricia Street, and Ramona Street. To validate the request and need of the no parking regulation in the Lomas Laguna development, staff performed a field review on a recent street sweeping day. Staff will present photographs of the observations at the Traffic Commission meeting. It was found that 51 vehicles were parking on all of the internal street described above. That number of vehicles significantly hampers the ability of the City to perform the street cleaning operations.

The Lomas Laguna development is well suited for a no parking regulation during street sweeping as there are only two entrances and exists to the development. As a result, if approved, a minimum number of signs will be required to notify residents that there is no parking during street sweeping days. In this particular case, Lomas Laguna is swept on the first and third Tuesday of every month and the street sweeping typically occurs between 8:00 a.m. to 12:00 noon. Most residents are not home at that time of the morning and the balance should be able to pull their vehicles into their driveways without much difficulty. With the support of the Homeowners Association, staff is also supportive of creating the parking regulation during street sweeping.

FISCAL IMPACT:

The creation of a no parking regulations during street sweeping days in the Lomas Laguna development will require the posting of two to four signs at an estimated cost of \$500 to \$1,000. Funds are available for this work in the 2002-03 Public Works Maintenance Budget.

RECOMMENDATION: THAT THE TRAFFIC COMMISSION RECOMMEND TO THE CITY COUNCIL THE ESTABLISHMENT OF A NO PARKING REGULATION DURING DAYS AND HOURS OF STREET SWEEPING IN THE LOMAS LAGUNA DEVELOPMENT INCLUDING ON: AMALIA STREET, ANDREA STREET, CARMEL STREET, EVA STREET, LOUISA STREET, LUPITA STREET, PATRICIA STREET, RAMONA STREET, ROSA STREET, AND YOLANDA STREET.

ATTACHMENTS:

Vicinity Map
Letter from Lomas Laguna Homeowners Association

November 7, 2002

Kenneth H. Rosenfield
Director of Public Works and City Engineer
City of Laguna Hills
25201 Paseo de Alicia, Suite 150
Laguna Hills, CA 92653

Re: Request for "No parking" on street sweeping days in the **Lomas Laguna PUD** (Moulton Pkwy. & Alicia Pkwy.)

Mr. Rosenfield:

On behalf of the Lomas Laguna Homeowners Association, we would like to request the following item be reviewed and placed on the agenda for the next Traffic Commission meeting:

1. **Issue:** Parked cars located throughout the community inhibit street sweeping along our community streets.

Action requested: We would request that parking be restricted on all community streets (Louisa – including both sides of this street as you enter our community, Lupita, Andrea, Rosa, Patricia, Eva, Yolanda, Amalia, Carmel and Ramona) on the designated "street sweeping" days (bi-monthly) for our community.

Thank you for your assistance and we look forward to a meeting with you in the near future. Please feel free to share your schedule dates with our property manager, Betty Carmain at Accell Property Management (949) 581-4988

Sincerely,

Lomas Laguna Board of Directors
Chris A. Chiotis, Chris Duncan, Syd Drain, Andrew Herndon, Betty White

NOV 11 2002 ITEM 4.3

CITY OF LAGUNA HILLS

AGENDA REPORT PUBLIC SERVICES DEPARTMENT

ISSUE: ESTABLISHMENT OF NO PARKING ZONES: 1) ON OVERLAND DRIVE DURING HOURS OF STREET SWEEPING; AND 2) ON THE EAST SIDE OF CAJON DRIVE AT ANYTIME

SUMMARY:

The City was contacted by residents of Overland Drive with two requests regarding neighborhood parking. The first request was to establish a "No Parking Zone During the Hours of Street Sweeping" to enhance the ability of the City to clean Overland Drive during the twice per month street sweeping program. The second request was to establish a "No Parking Anytime Zone" on the easterly side of Cajon Drive, from Costeau Street to Wells Fargo Drive, to eliminate undesirable parking of vehicles and to allow the area to be cleaned/maintained on a regular basis. The Traffic Commission, at the meeting of September 17, 2008, recommended these requests be approved.

BACKGROUND:

Overland Drive is a residential cul-de-sac street in the central eastern part of the City as depicted on the attached vicinity map. The street is lined with typical residential homes with very light vehicular traffic. Residents and visitors to the street park their vehicles in garages, on driveways, and on Overland Drive. Recently, staff was contacted by two residents of this street requesting assistance with having the street cleaned on a regular basis. They subsequently submitted the attached "petition" signed by multiple residents of Overland Drive, requesting the establishment of a No Parking Zone During Hours of Street Sweeping and to also establish a No Parking Anytime Zone on the east side of Cajon Drive.

RECOMMENDATION: THAT THE CITY COUNCIL ADOPT TWO RESOLUTIONS ENTITLED: "A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LAGUNA HILLS, CALIFORNIA, ESTABLISHING A NO PARKING ZONE DURING THE HOURS AND DAYS OF STREET SWEEPING ON OVERLAND DRIVE;" AND "A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LAGUNA HILLS, CALIFORNIA, ESTABLISHING A NO PARKING ANYTIME ZONE ON THE EAST SIDE OF CAJON DRIVE BETWEEN COSTEAU STREET AND WELLS FARGO DRIVE."

101408/DEPT/PUBLICSERVICES/CINDY/AGENDA/CITYCOUNCIL/NO PARKING ZONES

OCTOBER 14, 2008, ITEM NO. 4.6

0860-50 9000769

The City relies upon resident requests to establish No Parking Zones during street sweeping hours as the residents are then committing themselves to an obligation which will include the issuance of parking citations if vehicles are parked during street sweeping hours. We have several no parking zones during street sweeping hours at various locations throughout the City and they are becoming more common. Overland Drive is swept by the City twice per month on the second and fourth Wednesdays of the month. When establishing a No Parking Zone for street sweeping, we block out a four-hour time period, either 8:00 a.m. to noon or noon to 4:00 p.m., during the days of street sweeping. Any vehicle found parked on the street during the four-hour block of time is subject to a citation. The request for a No Parking Zone during street sweeping hours is supported by staff in that our street sweeping efforts, which also relate to our water quality commitments, are enhanced when a street is clear of parked vehicles.

The residents of Overland Drive also requested the establishment of a No Parking Anytime Zone on the easterly side of Cajon Drive between Costeau Street and Wells Fargo Drive, as this area does not front any residential homes and has been noted by the residents as a collecting point for vehicle parking, vehicle repair activities, and litter. While it is not common for the City to eliminate parking in a residential area, this area of Cajon Drive is unique in that it abuts the I-5 Freeway and a landscape area but does not front any residential homes. Staff has concluded that this parking is not needed for residential use. In addition, while the area is clearly a residential zone, Cajon Drive is not technically a residential street in accordance with the definition in the California Vehicle Code and, therefore, truck parking could occur at this location without regulation. Staff supports the resident's request to prohibit parking on the east side of Cajon Drive between Costeau Street and Wells Fargo Drive.

The residents of Overland Drive, the residents at the corner of Costeau Street/Cajon Drive, and the residents at the corner of Wells Fargo Drive/Cajon Drive were notified of this report as it was presented to the Traffic Commission at the meeting of September 18, 2008. One person spoke at the Commission meeting in favor of both parking restrictions. The Traffic Commission recommended approval of the parking restrictions.

FISCAL IMPACT:

The establishment of a No Parking Zone during the hours of street sweeping on Overland Drive will require the installation of a single sign at an estimated cost of \$250 and the establishment of a No Parking Anytime Zone on the easterly side of Cajon Drive will require the installation of two signs at an estimated cost of \$500. Funds are available for the installation of the three described signs in the Fiscal Year 2008-2009 Public Works Maintenance Budget.

ATTACHMENTS:

- Resolutions
- Vicinity Map
- Resident Generated Petition Received August 25, 2008

RECOMMENDATION: THAT THE CITY COUNCIL ADOPT TWO RESOLUTIONS ENTITLED: "A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LAGUNA HILLS, CALIFORNIA, ESTABLISHING A NO PARKING ZONE DURING THE HOURS AND DAYS OF STREET SWEEPING ON OVERLAND DRIVE;" AND "A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LAGUNA HILLS, CALIFORNIA, ESTABLISHING A NO PARKING ANYTIME ZONE ON THE EAST SIDE OF CAJON DRIVE BETWEEN COSTEAU STREET AND WELLS FARGO DRIVE."

RESOLUTION NO. 2008-10-14-1

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LAGUNA HILLS, CALIFORNIA, ESTABLISHING A NO PARKING ANYTIME ZONE ON THE EAST SIDE OF CAJON DRIVE BETWEEN COSTEAU STREET AND WELLS FARGO DRIVE

The City Council of the City of Laguna Hills, California, hereby finds, determines, declares, and resolves as follows:

WHEREAS, Cajon Drive is a two-lane street in a residential area without any fronting residential properties; and

WHEREAS, residents have noted long-term parking, vehicle repair work, and litter collection at said location; and

WHEREAS, the Traffic Commission, at the meeting of September 17, 2008, recommended the establishment of a No Parking Anytime Zone on the east side of Cajon Drive to resolve the undesirable and unnecessary parking; and

WHEREAS, pursuant to Vehicle Code Section 22507, the parking of any type of vehicle on certain streets or highways may be prohibited or restricted by a general law city, during all or certain hours of a day, where signs or markings giving adequate notice of such regulations have been placed.


NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF LAGUNA HILLS, CALIFORNIA, DOES RESOLVE, DECLARE, DETERMINE, AND ORDER AS FOLLOWS:

SECTION 1. There is hereby established a designated No Parking Anytime Zone on the east side of Cajon Drive from Costeau Street to Wells Fargo Drive.

SECTION 2. The City Engineer is directed to establish said No Parking Anytime Zone.

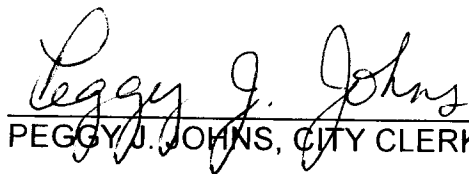
SECTION 3. The City Engineer shall cause signs or markings to be placed giving notice of such prohibitions as necessary to implement the parking regulations established herein.

PASSED, APPROVED, AND ADOPTED this 14th day of October 2008.



L. ALLAN SONGSTAD, JR., MAYOR

ATTEST:



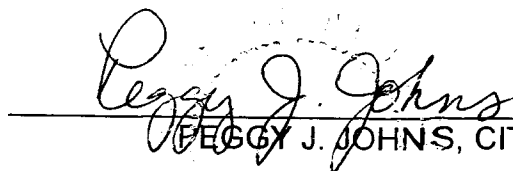
PEGGY J. JOHNS, CITY CLERK

STATE OF CALIFORNIA)
COUNTY OF ORANGE) ss
CITY OF LAGUNA HILLS)

I, Peggy J. Johns, City Clerk of the City of Laguna Hills, California, DO HEREBY CERTIFY that the foregoing is a true and correct copy of Resolution No. 2008-10-14-1 adopted by the City Council of the City of Laguna Hills, California, at a Regular Meeting thereof held on the 14th day of October 2008, by the following vote:

AYES: Council Members Bressette, Carruth, Scott, Mayor Pro Tempore Lautenschleger, and Mayor Songstad
NOES: None
ABSENT: None
ABSTAIN: None

(SEAL)



PEGGY J. JOHNS, CITY CLERK

RESOLUTION NO. 2008-10-14-2

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LAGUNA HILLS, CALIFORNIA, ESTABLISHING A NO PARKING ZONE DURING THE HOURS AND DAYS OF STREET SWEEPING ON OVERLAND DRIVE

The City Council of the City of Laguna Hills, California, hereby finds, determines, declares, and resolves as follows:

WHEREAS, the residents of Overland Drive request that the City establish a "No Parking Zone during the Hours and Days of Street Sweeping";

WHEREAS, Overland Drive from Cajon Drive to its terminus is provided street sweeping services on the second and fourth Wednesdays of the month between 12 noon and 4:00 p.m.;

WHEREAS, the establishment of a "No Parking Zone During the Hours and Days of Street Sweeping" will improve traffic circulation, community aesthetics, and further the City's goals of improved water quality; and,

WHEREAS, pursuant to Vehicle Code Section 22507, the parking of any type of vehicle on certain streets or highways may be prohibited or restricted by a general law city, during all or certain hours of a day, where signs or markings giving adequate notice of such regulations have been placed.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF LAGUNA HILLS, CALIFORNIA, DOES RESOLVE, DECLARE, DETERMINE, AND ORDER AS FOLLOWS:

SECTION 1. There is hereby established a designated "No Parking Zone During the Hours and Days of Street Sweeping" on Overland Drive on the second and fourth Wednesdays of every month between the hours of 12 noon to 4:00 p.m.

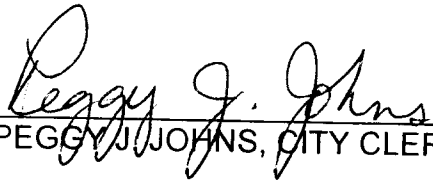
SECTION 2. The City Engineer is hereby authorized to adjust the hours and days of said No Parking Zone restriction as may be necessary to meet the operational needs of the street sweeping schedule, as determined by the City Engineer.

SECTION 3. The City Engineer shall cause signage to be posted at the entrance to Overland Drive to establish the No Parking Zone during hours and days of street sweeping.

PASSED, APPROVED, AND ADOPTED this 14th day of October 2008.


L. ALLAN SONGSTAD, JR., MAYOR

ATTEST:


PEGGY J. JOHNS, CITY CLERK

STATE OF CALIFORNIA)
COUNTY OF ORANGE) ss
CITY OF LAGUNA HILLS)

I, Peggy J. Johns, City Clerk of the City of Laguna Hills, California, DO
HEREBY CERTIFY that the foregoing is a true and correct copy of Resolution
No. 2008-10-14-2 adopted by the City Council of the City of Laguna Hills, California, at
a Regular Meeting thereof held on the 14th day of October 2008, by the following vote:

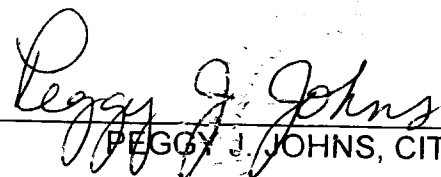
AYES: Council Members Bressette, Carruth, Scott, Mayor Pro
Tempore Lautenschleger, and Mayor Songstad

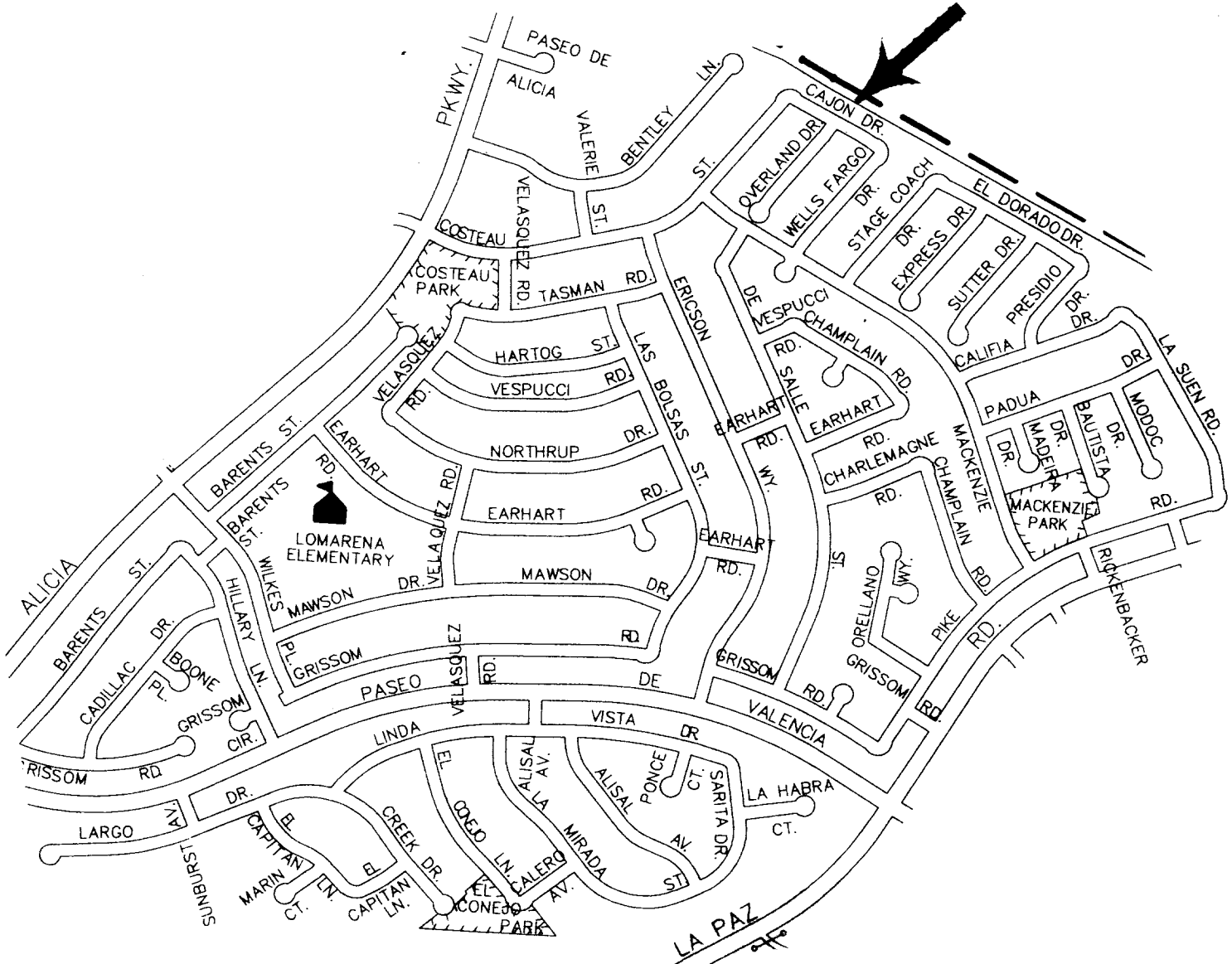
NOES: None

ABSENT: None

ABSTAIN: None

(SEAL)


PEGGY J. JOHNS, CITY CLERK



VICINITY MAP

Received 8/25/08

This letter is a request to the City of Laguna Hills to have Cajon St. (by the fence of the freeway,) declared a No Parking zone. This is due to the continued dumping of trash, car parts, and other junk in the street and in the bushes. On July 28th a count of 33 separate pieces of trash were reported to the City. The City then did respond in a timely manner, pulling weeds and picking up the trash. This request is also to post a sign of, NO Dumping" in English and Spanish, and a fine for those that are caught dumping trash, leaving car parts, etc. on the street. It is also in the best interest of our neighborhood to have a designated time/day when the street sweepers come so that we can park our cars in the garage or driveway so the street sweepers can do their job. This too would request a sign of No Parking on that day/time. Last but not least, a request to keep the landscape along Cajon maintained as it does along McKenzie St.

Please help keep our neighborhood litter and weed free by signing this request. It will then be considered by the Traffic Commission and the City Council.

Signed,

Sheila Lee	24921	OVERLAND DR.	L.H.
Carol Oldroyd	24922	Overland Dr.	L.H.
John Schlegel	24922	Overland Dr.	L.H.
John Schlegel	24925	OVERLAND DR.	L.H.
Kathleen Schlegel	24925	Overland Dr.	L.H.
Edel Ceballos	24916	OVERLAND DR.	L.H.
John Schlegel	24916	Overland Dr.	Laguna Hills
Mandi Volpe	24911	OVERLAND DR.	Laguna Hills
Michael Thomas	24912	Overland Dr.	Laguna Hills
Rob Wolfe	24911	OVERLAND DR.	Laguna Hills
Edward Sanchez	24901	Overland Dr.	Laguna Hills
Maie Bishop	24892	Overland	L.H.