



CITY OF LAGUNA HILLS TRAFFIC COMMISSION

REGULAR MEETING AGENDA Wednesday, July 18, 2018 – 7:00 PM

Larry Woodruff - Chair

Greg Staar - Vice Chair

Mark Jones - Commissioner

Len Herman - Commissioner

David Wheeler - Commissioner

Location: 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, an overall time limit of ten minutes for any one subject, and a total time limit of thirty minutes 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 COMMISSION MEMBERS

1. PUBLIC COMMENTS

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, an overall time limit of ten minutes for any one subject, and a total time limit of thirty minutes.

2. MINUTES**2.1 Minutes**

Recommendation: That the Traffic Commission Approve the Minutes of May 16, 2018.

3. PRESENTATIONS**4. ADMINISTRATIVE REPORTS****4.1 Addition of Two No Parking Zones Due to Sight Distance Restrictions on the Westerly Side of Santa Vittoria Drive Northerly of Ridge Route Drive**

Recommendation: That the Traffic Commission Recommend to the City Council a Modification of the Parking Allowed on the Westerly Side of Santa Vittoria Drive to Restrict Parking for 20 Feet Southerly of Caminito Jalisco (South) and 20 Feet Northerly of the "Tennis Court" Parking Lot Driveway (Northerly of Ridge Route Drive) to Improve Sight Distance.

4.2 Review of Traffic Conditions on Bridlewood Drive and Devonshire Road

Recommendation: That the Traffic Commission Request Staff Monitor the Speed of Vehicles and Repeat the Speed Survey of Bridlewood Drive Between Vista Viejo Road and Laurel Crest Drive in Six Months Time.

4.3 Radar Speed Trailer

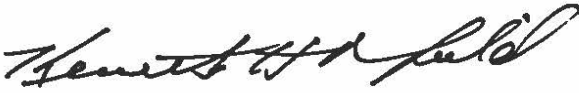
Recommendation: That the Traffic Commission Receive and File the Report.

5. INFORMATIONAL ITEMS**5.1 Sheriff's Department Verbal Report****6. COMMISSIONER COMMENTS****7. ADJOURNMENT**

The next Regular Meeting of the Traffic Commission will be September 19, 2018, at 7:00 PM in the City Council Chamber, located at 24035 El Toro Road, Laguna Hills California.

CERTIFICATION

I, KENNETH H. ROSENFELD, Assistant City Manager/Director of Public Services 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 the Courtyard at La Paz Center by July 13, 2018, at 5:00 pm.



Assistant City Manager/Director of Public Services

July 13, 2018

Date

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 City Engineer at (714) 707-2650. 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

Staff Report

DATE: July 18, 2018
TO: Traffic Commissioners
FROM: Kenneth H. Rosenfield P.E.
Assistant City Manager/Director of Public Services
ISSUE: Minutes

RECOMMENDATION: That the Traffic Commission Approve the Minutes of May 16, 2018.

ATTACHMENTS:

- Minutes

**CITY OF LAGUNA HILLS
TRAFFIC COMMISSION MEETING
REGULAR MEETING MINUTES
MAY 16, 2018**

CALL TO ORDER

The Regular Meeting of the Traffic Commission of the City of Laguna Hills, California, was called to order by Chair Jones at 7:00 PM in the Laguna Hills City Council Chamber, 24035 El Toro Road, Laguna Hills, California.

PLEDGE OF ALLEGIANCE

The Pledge of Allegiance was led by Chair Jones.

ROLL CALL OF COMMISSION MEMBERS

Present: Chair Mark Jones, Vice Chair Larry Woodruff, Commissioner Len Herman, Commissioner Greg Staar and Commissioner David Wheeler.

ELECTION OF CHAIR

Motion was made by Chair Jones to open nominations to elect a new Chair. Chair Jones nominated Vice Chair Woodruff. The nomination was seconded by Commissioner Herman. There were no further nominations.

APPROVED BY A VOTE OF 5-0.

ELECTION OF VICE CHAIR

Motion was made by Chair Jones to open nominations to elect a new Vice Chair. Chair Jones nominated Commissioner Staar. The nomination was seconded by Vice Chair Woodruff. There were no further nominations.

APPROVED BY A VOTE OF 5-0.

1. PUBLIC COMMENTS

There were no Public Comments.

2. MINUTES

THE TRAFFIC COMMISSION APPROVED THE MINUTES OF THE JANUARY 17, 2018, REGULAR MEETING, BY M/VICE CHAIR WOODRUFF, S/CHAIR JONES. APPROVED BY A VOTE OF 4-0, (COMMISSIONER HERMAN ABSTAINED).

3. PRESENTATIONS

There were no Presentations.

**CITY OF LAGUNA HILLS
TRAFFIC COMMISSION MEETING
REGULAR MEETING MINUTES
MAY 16, 2018**

4. ADMINISTRATIVE REPORTS

4.1 REVIEW OF TRAFFIC CONDITIONS ON LOST COLT DRIVE BETWEEN NELLIE GAIL ROAD AND STAGELINE DRIVE

Associate Civil Engineer Amber Shah, indicated Staff was contacted by a resident regarding concerns of vehicular speeding on Lost Colt Drive. In accordance with the Residential Streets Management Policy, Staff initiated a review of the travel speeds and traffic collision history on Lost Colt Drive between Nellie Gail Road and Stageline Drive.

The speed surveys performed determined the 85th percentile speed on Lost Colt Drive as 29 mph south of Nellie Gail Road and 35 mph north of Stageline Drive. The 85th percentile speed was slightly higher, 35 mph versus the typical prevailing speed of 32-34 mph. The traffic count data determined the volume of traffic to be low to average for a typical residential street of this type. The five-year traffic collision history listed only one traffic collision, which was identified as not speed related.

Ms. Shah indicated given the results of the speed surveys and data review, Staff recommended additional police enforcement and use of the radar speed trailer at this location.

Mr. Calvin Burt, resident of Lost Colt Drive, spoke of his concern regarding speed on Lost Colt Drive, and thanked Ms. Shah for reviewing this issue.

**THE TRAFFIC COMMISSION RECEIVED AND FILED THE REPORT, BY M/VICE CHAIR WOODRUFF, S/COMMISSIONER STAAR.
APPROVED BY A VOTE OF 5-0**

4.2 REVIEW OF TRAFFIC CONDITIONS ON NELLIE GAIL ROAD BETWEEN OSO PARKWAY AND MOULTON PARKWAY

Associate Civil Engineer Amber Shah, indicated Staff was contacted regarding concerns of vehicular speeding and cut-through traffic on Nellie Gail Road between Oso Parkway and Moulton Parkway. Staff initiated a review of travel speeds, traffic collision history and an origin and destination study on Nellie Gail Road between Oso Parkway and Moulton Parkway.

Hartzog and Crabill, Inc., performed the traffic studies. The 85th percentile speeds on Nellie Gail were 39 mph south of Oso Parkway and 36 mph east of Moulton Parkway. Related to portions of Nellie Gail Road that are posted 25 mph, from Moulton Parkway to Lost Colt Drive, Ms. Shah indicated Staff's experience has found the typical prevailing speed range for such streets to be between 32 and 34 mph, without adverse traffic collision history. The study also determined 36% of vehicles on Nellie

**CITY OF LAGUNA HILLS
TRAFFIC COMMISSION MEETING
REGULAR MEETING MINUTES
MAY 16, 2018**

Gail Road south of Oso Parkway were exceeding 35 mph, which was higher than the expected 15%. A portion of Nellie Gail Road from Lost Colt Drive to Oso Parkway is posted at 30 mph and it was expected the 85th percentile speed range would be in the 34 to 37 mph range, as was identified in this study.

The 85th percentile speed of Nellie Gail Road south of Oso Parkway (generally between Oso Parkway and Hidden Trail Road) was higher than expected and considered to be unacceptable for a residential character street.

Traffic count data revealed the 24-hr volumes to be low to average. The origin and destination study revealed the peak hourly percentages to be low, in the 0-5% range, for what may be considered 'cut through' traffic. The traffic volumes and cut through traffic are not significant and no action was recommended in response to the data.

The five-year collision history review included five traffic collisions had been reported during this time, although the traffic collisions were not identified as speed-related.

Ms. Shah indicated concentrated police enforcement of driver behavior, use of the radar trailer and increased driver education was the best remedy for this location. Ms. Shah indicated she would provide Nellie Gail Ranch Homeowners Association with educational materials to include in their community newsletter. In addition, Ms. Shah indicated a follow-up speed survey would be performed in six months. Should the speeding issues remain, the next incremental action would be evaluated.

**THE TRAFFIC COMMISSION RECEIVED AND FILED THE REPORT, BY
M/COMMISSIONER HERMAN, S/COMMISSIONER WHEELER.
APPROVED BY A VOTE OF 5-0.**

4.3 CONFIRMATION OF NO PARKING ZONES ON LA CADENA DRIVE BETWEEN VERDUGO DRIVE AND PERALTA DRIVE

Associate Civil Engineer Amber Shah, indicated a field review of parking control signage for a no parking zone westerly of Del Lago Drive was unclear. A review of the governing documents for the No Parking Zones on La Cadena Drive between Verdugo Drive and Peralta Drive revealed that they pre-date the City's annexation of this area, with the exception of one 75-foot section, and it was appropriate to confirm all of the parking controls along this street segment.

**THE TRAFFIC COMMISSION RECOMMENDED TO THE CITY COUNCIL THE
CONFIRMATION OF EXISTING NO PARKING ZONES TO ADDRESS SITE
DISTANCE VISIBILITY RESTRICTIONS AT VARIOUS LOCATIONS ON LA
CADENA DRIVE BETWEEN VERDUGO DRIVE AND PERALTA DRIVE, BY
M/CHAIR JONES, S/VICE CHAIR WOODRUFF.
APPROVED BY A VOTE OF 5-0.**

**CITY OF LAGUNA HILLS
TRAFFIC COMMISSION MEETING
REGULAR MEETING MINUTES
MAY 16, 2018**

5. INFORMATIONAL ITEMS

5.1 SHERIFF'S DEPARTMENT VERBAL REPORT

Lieutenant Stiverson concurred with Staff's assessment and recommendations and indicated the Sheriff's Department would work with Staff to monitor and increase enforcement activities in the areas outlined.

5.2 RADAR SPEED TRAILER

Staff submitted the schedule for the radar trailer.

6. COMMISSIONER COMMENTS

Commissioner Herman commented the majority of the radar speed trailer placements seemed to be located in the Nellie Gail neighborhood, and asked for clarification on determining the placement of the radar speed trailer.

7. ADJOURNMENT

There being no further business before the Traffic Commission at this session, Chair Jones declared the meeting adjourned at 7:39 p.m.

Prepared By:

Amber Shah, P.E.
Associate Civil Engineer

Approved By:

Chair Larry Woodruff

Attachment: Minutes (1636 : Minutes)



City of Laguna Hills

Traffic Commission

Staff Report

DATE: July 18, 2018
TO: Traffic Commissioners
FROM: Kenneth H. Rosenfield P.E.
Assistant City Manager/Director of Public Services
ISSUE: Addition of Two No Parking Zones Due to Sight Distance Restrictions on the Westerly Side of Santa Vittoria Drive Northerly of Ridge Route Drive

RECOMMENDATION: That the Traffic Commission Recommend to the City Council a Modification of the Parking Allowed on the Westerly Side of Santa Vittoria Drive to Restrict Parking for 20 Feet Southerly of Caminito Jalisco (South) and 20 Feet Northerly of the "Tennis Court" Parking Lot Driveway (Northerly of Ridge Route Drive) to Improve Sight Distance.

SUMMARY:

Staff was recently contacted by residents of the Laguna Village Community regarding concerns of sight distance constraints at Caminito Jalisco (south), a private street, and an adjacent driveway access to the private "Tennis Court Parking Lot" northerly of Ridge Route Drive. The residents also expressed concerns about "oversized vehicle" parking, speeding and traffic collisions on Santa Vittoria Drive, between Ridge Route Drive and Lake Forest Drive. The residents met with Pubic Services Director, Kenneth Rosenfield, and submitted the attached photographs along with multiple statements expressing similar concerns from other residents unable to attend the meeting.

Based upon review of the current site conditions, and the resident's concerns, staff recommends parking allowed on the westerly side of Santa Vittoria Drive be modified to restrict parking for 20 feet south of Caminito Jalisco (south) and for 20 feet north of the Tennis Court Parking Lot driveway, north of Ridge Route Drive, as shown on the attached vicinity map. A traffic engineering evaluation to address speed and traffic

Addition of Two No Parking Zones on Santa Vittoria Drive

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volume concerns has also been initiated and will be scheduled at a later date. The Orange County Sheriff's Department has been notified about the oversized vehicle parking and about the speeding concerns for enforcement.

BACKGROUND:

Santa Vittoria Drive, between Ridge Route Drive and Lake Forest Drive, is a two-lane collector roadway. On street parking is prohibited along limited portions of Santa Vittoria Drive, and the posted speed limit is 30 mph.

Recently, staff was contacted by residents of the Laguna Village Community regarding sight distance limitations on the westerly side of Santa Vittoria Drive immediately adjacent to Caminito Jalisco (south), a private street, and the community's Tennis Court Parking Lot driveway north of Ridge Route Drive. Staff reviewed the resident's concern, and upon performing a site evaluation, determined that restricting parking in these locations will improve sight distance for exiting vehicles. It is recommended that a no parking regulation be established for 20 feet south of Caminito Jalisco (south) and for 20 feet north of the described driveway identified on the attached vicinity map. These no parking areas will provide appropriate sight distance for vehicles given the physical conditions of Santa Vittoria Drive.

The residents also met with Public Services Director, Kenneth Rosenfield, regarding concerns of speeding, traffic collisions and oversized vehicle parking along Santa Vittoria Drive. The residents submitted the attached photographs along with multiple statements expressing similar concerns from other residents unable to attend the meeting.

Staff has initiated a review of the traffic speed and traffic volume and has notified the Orange County Sheriff's Department regarding oversized vehicle parking and traffic speed concerns for enforcement. The traffic speed and volume data results will be presented at a future Traffic Commission meeting.

Staff did have the opportunity to revisit the traffic collision history on Santa Vittoria Drive. The Traffic Engineers of Hartzog & Crabill, Inc., (HCI) obtained the attached collision data for the past five (5) plus years, between January 1, 2013 – May 31, 2018, from the Statewide Integrated Traffic Records System website (*i*-SWITRS) database to

Addition of Two No Parking Zones on Santa Vittoria Drive

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determine the number of collisions occurring on Santa Vittoria Drive between Ridge Route Drive and Lake Forest Drive. The table below presents the summary collision data.

TRAFFIC COLLISION DATA SUMMARY

SANTA VITTORIA DRIVE, FROM RIDGE ROUTE DRIVE TO LAKE FOREST DRIVE

YEAR	NUMBER OF COLLISIONS**	FATAL	INJURY	PROPERTY DAMAGE ONLY
2013	2	0	1	1
2014	0	0	0	0
2015	1	0	0	1
2016	4	0	1	3
2017	3	0	2	1
2018*	2	0	1	1

*Available SWITRS data was only up to May 31, 2018 at the time of report preparation.

**Collisions identified on Lake Forest Drive were excluded for the purposes of this report.

When removing from consideration, from the attached list, all traffic collisions listed as being on Lake Forest Drive at Santa Vittoria Drive, a signalized intersection, the total traffic collisions on the balance of Santa Vittoria Drive, as shown in the above table, are twelve (12) collisions within the last (5) years; an average of 2.4 traffic collisions per year. Only one collision was identified as 'speed-related'. There are no other recommendations regarding collisions at this time but this information will be included in the recently initiated analysis of traffic speeds and traffic volumes.

It is noted that a traffic evaluation was previously performed on Santa Vittoria Drive, between Ridge Route Drive and Lake Forest Drive, in December 2016, and was presented at the March 15, 2017, meeting of the Traffic Commission. The traffic data at that time showed the prevailing traffic speeds to be consistent with the posted speed limit. Traffic volumes were also consistent with historic counts, and well below the traffic carrying capacity of the roadway. A follow-up traffic evaluation has been initiated in accordance with the City's Residential Streets Management Policy and will be presented at a future Traffic Commission meeting.

Addition of Two No Parking Zones on Santa Vittoria Drive

July 18, 2018

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FISCAL IMPACT:

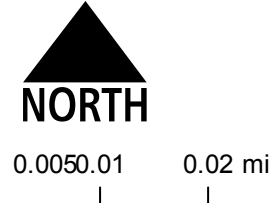
The installation of two “No Parking Here to Corner” signs have an anticipated cost of \$200. Funds are available for this work in the 2018-19 Fiscal Year Public Works Maintenance Budget.

ATTACHMENTS:

- Vicinity Map
- Photographs
- SWITRS Collision Database Report



VICINITY MAP - SANTA VITTORIA DRIVE







Attachment: Photographs (1634 : Addition of Two No Parking Zones on Santa Vittoria Drive)



Attachment: Photographs (1634 : Addition of Two No Parking Zones on Santa Vittoria Drive)

CITY OF LAGUNA HILLS
5-YEAR SWITRS COLLISION DATABASE
SANTA VITTORIA DRIVE, FROM LAKE FOREST DRIVE TO RIDGE ROUTE DRIVE
JAN. 1, 2013 - MAY 31, 2018

CASE ID	COLL. DATE	COLL. TIME	PRIMARY ROAD	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 SU
6153474	20130718	1642	SANTA VITTORIA DR	CAMINITO PACIFICO	137	S	N	A	4	A	8	22107	N	C	E	
6214477	20130904	1904	LAKE FOREST DR	SANTA VITTORIA DR	0		Y	A	3	A	12	21453	N	D	C	
6272377	20131003	1835	LAKE FOREST DR	SANTA VITTORIA DR	0		Y	A	2	D	0		N	D	C	
6250176	20131012	2145	SANTA VITTORIA	RIDGE ROUTE	0		Y	A	0	A	1	23152	N	E	I	
6482238	20140419	1530	LAKE FOREST	SANTA VITTORIA	0		Y	A	0	A	3	22350	M	C	C	
6751623	20141208	920	LAKE FOREST DR	SANTA VITTORIA DR	0		Y	A	4	A	12	21453	N	D	C	
6804335	20150126	1437	SANTA VITTORIA DR	BASSANO WEST	58	N	N	C	0	D	0		N	E	I	
7168329	20160112	1145	SANTA VITTORIA	AVENIDA COPETE	0		Y	A	4	A	3	22350	N	D	C	
8023879	20160330	1300	SANTA VITTORIA	CAMINITO COSTA	22	S	N	A	0	A	4	21703	N	C	C	
8053592	20160511	446	SANTA VITTORIA DR	AVENIDA CENTINELA	286	S	N	A	0	C	18		N	B	E	
8086368	20160705	1050	LAKE FOREST DR	SANTA VITTORIA DR	0		Y	A	3	A	12	21453	N	D	C	
8171685	20161101	245	SANTA VITTORIA	RIDGE ROUTE DR	220	N	N	A	0	D	0		M	E	I	
8499137	20171022	600	SANTA VITTORIA	LAKE FOREST DR	0		Y	A	0	A	12	21453	N	D	C	
8498217	20171027	1053	SANTA VITTORIA DR	BASSANO	0		Y	A	4	A	8	22107	N	D	C	
8502442	20171108	1740	SANTA VITTORIA DR	RIDGE ROUTE DR	0		Y	A	4	D	0		N	D	C	
8593888	20171228	2120	LAKE FOREST DR	SANTA VITTORIA DR	0		Y	A	4	A	1	23152	N	D	C	
8563132	20180126	2007	SANTA VITTORIA DR	RIDGE ROUTE DR	500	N	N	A	0	A	9	21804	M	D	C	
8619715	20180413	1637	LAKE FOREST DR	SANTA VITTORIA DR	0		Y	A	4	A	12	21453	N	D	C	
8628398	20180427	1700	SANTA VITTORIA DR	RIDGE ROUTE DR	0		Y	A	3	A	9	21802	N	D	C	

Attachment: SWITRS Collision Database Report (1634 : Addition of Two No Parking Zones on Santa

CITY OF LAGUNA HILLS
5-YEAR SWITRS COLLISION DATABASE
SANTA VITTORIA DRIVE, FROM LAKE FOREST DRIVE TO RIDGE ROUTE DRIVE
JAN. 1, 2013 - MAY 31, 2018

CASE ID	COLL. DATE	COLL. TIME	PRIMARY ROAD	SECONDARY ROAD	DIST.	DIR.	WEATH. 1	COLL. SEVERITY	PRIM. COLL. FACT.	PCF VIOL. CAT.	PCF VIOL.	HIT AND RUN	TYPE OF COLL.	MOTOR VEHICLE INVOLVED WITH	RC SU
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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

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

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

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

Road Surface

A - Dry
 B - Wet
 C - Snowy or Icy
 D - Slippery
 - - Not Stated



City of Laguna Hills

Traffic Commission

Staff Report

DATE: July 18, 2018
TO: Traffic Commissioners
FROM: Kenneth H. Rosenfield P.E.
Assistant City Manager/Director of Public Services
ISSUE: Review of Traffic Conditions on Bridlewood Drive and Devonshire Road

RECOMMENDATION: That the Traffic Commission Request Staff Monitor the Speed of Vehicles and Repeat the Speed Survey of Bridlewood Drive Between Vista Viejo Road and Laurel Crest Drive in Six Months Time.

SUMMARY:

Staff was recently contacted by a resident of Moulton Ranch regarding concerns of vehicular speeding and traffic collisions on Bridlewood Drive, between Vista Viejo Road and Laurel Crest Drive, and on Devonshire Road, between Falling Leaf Drive and Nottingham Court. 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 travel speeds, traffic volume and traffic collision history on Bridlewood Drive and on Devonshire Road.

The Traffic Engineers of Hartzog & Crabill, Inc., (HCI) completed the attached June 1, 2018, study of the traffic attributes of Bridlewood Drive from Vista Viejo Road to Laurel Crest Drive and Devonshire Road from Falling Leaf Drive to Nottingham Court. The speed surveys, performed by HCI, as shown in the study, determined the 85th percentile speeds on Bridlewood Drive and Devonshire Road as 37.1 mph and 32.9 mph, respectively.

Review of Traffic Conditions on Bridlewood Drive and Devonshire Road

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The 85th percentile speed measurement of Bridlewood Drive is higher than expected and considered to be unacceptable for a residential character street. The study also determined 24.6% of the vehicles on Bridlewood Drive were exceeding 34 mph, which is also a higher percentage than the expected percentage, typically at approximately 15%.

The 85th percentile speed measurement of Devonshire Road was fully within the expected range. Staff's long term experience has found the typical prevailing speed range for such streets to be between 32 and 34 mph, without adverse traffic collision history. Hence, the 85th percentile speed on Devonshire of 32 mph is not of concern for this residential character street.

The traffic count data, for both Bridlewood Drive and Devonshire Road, revealed the 24-hr volumes to be very low for a typical residential street that is a connecting, or through, street to other neighborhoods. The traffic volumes are not significant and no action is needed in response to this data.

A five-year traffic collision history review of Bridlewood Drive was also included in the study which determined three traffic collisions, including one not identified in the collision data from SWITRS but noted based on the attached photographic evidence provided by a resident, had occurred on Bridlewood Drive during this time. None of the traffic collisions were identified as speed-related.

The five-year traffic collision history review of Devonshire Road identified a single traffic collision which was not identified as speed-related and is not considered significant for the purposes of this report.

Concentrated police enforcement of driver behavior is the best and appropriate remedy for residential streets vehicular speeding and is recommended for Bridlewood Drive. Staff will work with the Orange County Sheriff's Department on enforcement activity in this area and will also post the radar trailer in this area to increase driver education as to the appropriate speed on Bridlewood Drive. Staff will also provide the Moulton Ranch Homeowners Association (HOA) with a traffic safety article to be included in their newsletter for the residents of their HOA. In addition, a follow-up speed survey is recommended to be performed in six months. Should the speeding issue remain, the next incremental action will be evaluated. Currently, there are 25 mph pavement

Review of Traffic Conditions on Bridlewood Drive and Devonshire Road

July 18, 2018

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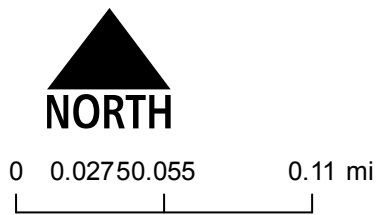
legends and 25 mph signs posted at multiple locations along Bridlewood Drive between Vista Viejo Road and Laurel Crest Drive. While no changes to existing traffic controls are currently proposed, the number and locations of speed limit signage and pavement markings will also be reviewed following the repeat speed survey.

ATTACHMENTS:

- Vicinity Map
- Photograph
- Traffic Evaluation



Attachment: Vicinity Map (1635 : Review of Traffic Conditions on Bridlewood Drive and Devonshire Road)



VICINITY MAP - BRIDLEWOOD DRIVE & DEVONSHIRE ROAD







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

June 1, 2018

Mr. Kenneth H. Rosenfield, PE
Assistant City Manager/Public Services Director
City of Laguna Hills
24035 El Toro Road
Laguna Hills, CA 92653

**Subject: Traffic Data Evaluation - Letter of Opinion -
Speeding and Collision Concerns along Bridlewood Drive
and Also along Devonshire Road**

Dear Mr. Rosenfield,

Pursuant to your request, Hartzog & Crabill, Inc. (HCI) has prepared this traffic engineering evaluation regarding residential concerns of speeding and collisions along the following two (2) street segments:

- 1) Bridlewood Drive, between Vista Viejo Road and Laurel Crest Drive
- 2) Devonshire Road, between Falling Leaf Drive and Nottingham Court

BACKGROUND

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.

Devonshire Road

Devonshire Road, between Falling Leaf Drive and Nottingham Court, is a 40-foot wide, 2-lane, north-south residential collector roadway. At the project limits, both intersections have 1-way stop controls. 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 Devonshire Road between Falling Leaf Drive and Nottingham Court. There are also '25' pavement markings adjacent to the sign postings. On-street parking is allowed along both sides of Devonshire Road.

Mr. Kenneth H. Rosenfield, PE
 June 1, 2018
 Page 2 of 5

TRAVEL SPEED DATA

To determine travel speeds on Bridlewood Drive and on Devonshire Road, a spot speed radar survey was conducted along each of these residential collector roadways on Wednesday, May 16, 2018, and Thursday, May 17, 2018, respectively. Tables 1 & 2 below summarize the radar speed data.

TABLE 1
SPEED SURVEY SUMMARY
BRIDLEWOOD DRIVE, FROM VISTA VIEJO ROAD TO LAUREL CREST DRIVE

Speed-Count Summary	From Vista Viejo Road to Laurel Crest Drive
85 th Percentile Speed	37.1 MPH
Median Speed	29.5 MPH
15th Percentile Speed	25.0 MPH
10 MPH Pace Speed	25-34 MPH
Average Daily Traffic (ADT)	722 vehicles

As shown above, the 85th percentile speed on Bridlewood Drive was recorded at 37.1 MPH. This data shows that higher than typical travel speeds are occurring above the posted 25 MPH speed limit.

TABLE 2
SPEED SURVEY SUMMARY
DEVONSHIRE ROAD, FROM FALLING LEAF DRIVE TO NOTTINGHAM COURT

Speed-Count Summary	From Falling Leaf Drive to Nottingham Court
85 th Percentile Speed	32.9 MPH
Median Speed	27.9 MPH
15th Percentile Speed	25.0 MPH
10 MPH Pace Speed	25-34 MPH
Average Daily Traffic (ADT)	590 vehicles

As shown above, the 85th percentile speed on Devonshire Road was recorded at 32.9 MPH. This data shows that typical travel speeds are occurring for a posted 25 MPH speed limit street. All radar survey data is attached to this letter.

Mr. Kenneth H. Rosenfield, PE
 June 1, 2018
 Page 3 of 5

TRAFFIC VOLUME DATA

Bridlewood Drive

Average Daily Traffic (ADT) counts were collected for the segment of Bridlewood Drive, between Vista Viejo Road and Laurel Crest Drive, on Wednesday, May 2, 2018. The ADT, or 24-hour two-way traffic volume, along this segment resulted in 722 vehicles.

A two-lane collector street generally has a Level-of-Service (LOS) 'D' capacity of 11,300 vehicles per day. Consequently, the existing traffic volume is well under the roadway capacity.

Devonshire Road

Average Daily Traffic (ADT) counts were collected for the segment of Devonshire Road, between Falling Leaf Drive and Nottingham Court, on Wednesday, May 2, 2018. The ADT, or 24-hour two-way traffic volume, along this segment resulted in 590 vehicles.

As mentioned, a two-lane collector street generally has a Level-of-Service (LOS) 'D' capacity of 11,300 vehicles per day. Consequently, the existing traffic volume is well under the roadway capacity. All traffic volume data is included in the appendix.

COLLISION DATA

Bridlewood Drive

HCI obtained collision data for the past five (5) years, between January 1, 2013 – February 28, 2018, from the Statewide Integrated Traffic Records System website (*i*-SWITRS) database to determine the number of collisions occurring on this segment of Bridlewood Drive. Table 3 below presents the summary collision data.

TABLE 3
TRAFFIC COLLISION DATA SUMMARY
BRIDLEWOOD DRIVE, FROM VISTA VIEJO ROAD TO LAUREL CREST DRIVE

YEAR	NUMBER OF COLLISIONS	FATAL	INJURY	PROPERTY DAMAGE ONLY
2013	1	0	1	0
2014	0	0	0	0
2015	0	0	0	0
2016	0	0	0	0
2017	1	0	0	1
2018 *	1	0	0	1

* Available SWITRS data was only up to February 2018 at the time of report preparation.

Mr. Kenneth H. Rosenfield, PE
 June 1, 2018
 Page 4 of 5

COLLISION DATA (continued)

As shown above, there were a total of three (3) collisions reported along this segment within the last (5) years. The collisions were recorded as Rear End and Head-On types, and categorized as Driving or Bicycling Under Influence and Automobile ROW. As such, there were no collisions determined as 'speed-related'. Consequently, there are no other recommendations regarding collisions at this time.

It is noted, a resident provided the City with photographic evidence of a two vehicle traffic collision having occurred on Bridlewood Drive on April 5, 2018. The Sheriff's Department reported that no police report was written as the parties described no injuries and stated they would settle the matter on their own. Accordingly, we have no details on the cause of this traffic collision.

Devonshire Road

HCI also obtained collision data for the past five (5) years, between January 1, 2013 – February 28, 2018, from the Statewide Integrated Traffic Records System website (*i-SWITRS*) database to determine the number of collisions occurring on the subject segment of Devonshire Road. Table 4 below presents the summary collision data.

TABLE 4
TRAFFIC COLLISION DATA SUMMARY
DEVONSHIRE ROAD, FROM FALLING LEAF DRIVE TO NOTTINGHAM COURT

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	1	0	1	0
2018 *	0	0	0	0

* Available SWITRS data was only up to February 2018 at the time of report preparation.

As shown above, there was only one (1) collision reported along this segment within the last (5) years. This collision was recorded as a Rear End type, and categorized as Improper Turning. As such, there were no collisions determined as 'speed-related'. Consequently, there are no other recommendations regarding collisions at this time. The comprehensive 5-year segment collision history reports are attached to this letter.

Mr. Kenneth H. Rosenfield, PE
June 1, 2018
Page 5 of 5

RECOMMENDATIONS

As speeding was verified on Bridlewood Drive, it is recommended that an incremental approach be taken to address the higher travel speeds. Initial steps include:

- increased law enforcement.
- deployment of portable radar speed-feedback trailers.
- neighborhood watch committee meeting to help make all residents aware of speeding.

It has been our pleasure to prepare this letter of opinion regarding speeds, traffic volumes, and collisions on Bridlewood Drive, and also on Devonshire Road. If you may 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: Radar Speed Data (Qty. 2)
 ADT Volume Data (Qty. 2)
 Collision History (Qty. 2)

Speed Data

RADAR SPEED DISTRIBUTION SHEET

HCI**CITY OF LAGUNA HILLS**BRIDLEWOOD DRIVELAUREL CREST DR TO VISTA VIEJO

DATE: 5/16/2018

SURVEY BY:

C. BUENDIA

TIME: 9:00 AM - 10:00 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 98.1%
41						X 98.1%
40						X 96.2%
39						X 94.3%
38						X 92.5%
37						X 86.8%
36						X 83.0%
35						X 77.4%
34						X 75.5%
33						X 67.9%
32						X 64.2%
31						X 56.6%
30						X 49.1%
29						X 41.5%
28						X 34.0%
27						X 28.3%
26						X 18.9%
25						X 17.0%
24						X 5.7%
23						X 3.8%
22						X 3.8%
21						X 1.9%
20						X 1.9%
19						X 0.0%
18						X 0.0%
17						X 0.0%
16						X 0.0%
15						X 0.0%

---85PCT

---MEAN

---15PCT

UPPER LIMIT 10 MPH PACE: 34 MPH
 LOWER LIMIT 10 MPH PACE: 25 MPH
 PERCENT OVER PACE: 24.5 %
 PERCENT IN PACE: 69.8 %
 PERCENT UNDER PACE: 5.7 %

85th PERCENTILE SPEED: 36.5 MPH
 MEDIAN SPEED: 30.1 MPH
 15th PERCENTILE SPEED: 24.8 MPH

wood Spot Spd 2018-01

Attachment: Traffic Evaluation (1635 : Review of Traffic Conditions on Bridlewood Drive and Devonshire Road)

Radar Speed Survey Field Sheet

HARTZOG AND CRABILL I
Consulting Traffic Engineers
17522 Irvine Blvd., Suite 112 Irvine, CA 92614
(714) 251-9452

AGENCY: CITY OF LAGUNA HILLS
STREET: BRIDLEWOOD
LOCATION: LAUREL CREST DR TO VISTA VIEJO

WEATHER: SUNNY DATE: 5-16-18
ROAD CONDITION: DRY START TIME: 9:00 AM
OBSERVER: CATHY BUENDIA END TIME: 10:00 AM VGL

DIRECTION: <u>SOUTHBOUND</u>							
MPH	5	NUMBER OF VEHICLES				25	TOTAL
		10	15	20		30	
60							
59							
58							
57							
56							
55							
54							
53							
52							
51							
50							
49							
48							
47							
46							
45							
44							
43							
42							
41							
40	/						
39							0
38	/						
37	/						0
36							0
35							0
34	/						0
33							0
32	/						
31	/						3
30	/						2
29	/						3
28	/						3
27	/						2
26	/						3
25	/						3
24	/						3
23							
22							
21							
20							
19							
18							
17							
16							
15							

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

CUMULATIVE (BOTH DIRECTIONS) _____

DIRECTION: <u>NORTHBOUND</u>							
MPH	5	NUMBER OF VEHICLES				25	TOTAL
		10	15	20		30	
60							
59							
58							
57							
56							
55							
54							
53							
52							
51							
50							
49							
48							
47							
46							
45							
44							
43	/						1
42	/						0
41	/						0
40	/						0
39	/						1
38	/						2
37	/						2
36	/						3
35	/						3
34	/						3
33	/						2
32	/						2
31	/						2
30	/						2
29	/						3
28	/						0
27	/						3
26	/						3
25	/						2
24	/						0
23	/						0
22	/						0
21	/						0
20	/						1
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
	43
0	42
0	41
1	40
3	39
2	38
2	37
3	36
4	35
4	34
2	33
4	32
4	31
4	30
4	29
3	28
5	27
6	26
6	25
0	24
0	23
0	22
0	21
1	20
	19
	18
	17
	16
	15

RADAR SPEED DISTRIBUTION SHEET

HCI

CITY OF LAGUNA HILLS

BRIDLEWOOD DRIVE

DATE: 5/16/2018

TIME: 10:00 AM - 11:00 AM

LAUREL CREST DR TO VISTA VIEJO

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	98.4%
49						X	98.4%
48						X	98.4%
47						X	98.4%
46						X	98.4%
45						X	98.4%
44						X	98.4%
43						X	98.4%
42						X	98.4%
41						X	96.7%
40						X	95.1%
39						X	93.4%
38						X	91.8%
37						X	82.0%
36						X	78.7%
35						X	78.7%
34						X	75.4%
33						X	67.2%
32						X	63.9%
31						X	60.7%
30						X	57.4%
29						X	50.8%
28						X	45.9%
27						X	34.4%
26						X	18.0%
25						X	13.1%
24						X	8.2%
23						X	6.6%
22						X	4.9%
21						X	4.9%
20						X	3.3%
19						X	1.6%
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:	24.6	%
PERCENT IN PACE:	67.2	%
PERCENT UNDER PACE:	8.2	%

85th PERCENTILE SPEED:	37.3	MPH
MEDIAN SPEED:	28.8	MPH
15th PERCENTILE SPEED:	25.4	MPH

wood Spot Spd 2018-02

Radar Speed Survey Field Sheet

HARTZOG AND CRABILL
Consulting Traffic Engineers
17532 Santa Fe Blvd., Suite 102, Redwood City, CA 94065
(415) 751-5455

AGENCY: CITY OF LAGUNA HILLS
STREET: BRIDLEWOOD
LOCATION: LAUREL CREST DR TO VISTA VIEJO

WEATHER: SUNNY DATE: 5-16-18
ROAD CONDITION: DRY START TIME: 10:00AM
OBSERVER: CATHY BUENDIA END TIME: 11:00AM *JKH*

DIRECTION: <u>SOUTHBOUND</u>						
MPH	5	NUMBER OF VEHICLES				TOTAL
		10	15	20	25	30
60						
59						
58						
57						
56						
55						
54						
53						
52						
51						
50						
49						
48						
47						
46						
45						
44						
43						
42						
41						
40						0
39						0
38						0
37						0
36						0
35						0
34						2
33						0
32						0
31						1
30						2
29						2
28						3
27						5
26						5
25						3
24						1
23						
22						
21						
20						
19						
18						
17						
16						
15						

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

DIRECTION: <u>NORTHBOUND</u>						
MPH	5	NUMBER OF VEHICLES				TOTAL
		10	15	20	25	30
60						
59						
58						
57						
56						
55						
54						
53						
52						
51						
50						1
49						
48						
47						
46						
45						
44						
43						
42						
41						0
40						0
39						0
38						5
37						5
36						0
35						0
34						3
33						2
32						2
31						2
30						2
29						4
28						4
27						5
26						2
25						0
24						0
23						0
22						0
21						
20						
19						
18						
17						
16						
15						

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

CUMULATIVE TOTAL	MPH
	60
	59
	58
	57
	56
	55
	54
	53
	52
1	51
0	50
0	49
0	48
0	47
0	46
0	45
0	44
0	43
0	42
1	41
1	40
2	39
2	38
2	37
2	36
2	35
5	34
2	33
2	32
2	31
4	30
3	29
7	28
10	27
3	26
3	25
3	24
1	23
0	22
1	21
1	20
1	19
1	18
1	17
1	16
1	15

1 0 0 0 0 0 0 0 1 1 2 2 2 2 2 3 3 4 4 6 6 8 7 10 15 4 9 2 1 1 2 1

RADAR SPEED DISTRIBUTION SHEET

HCI

CITY OF LAGUNA HILLS

BRIDLEWOOD DRIVE
LAUREL CREST DR TO VISTA VIEJO
DATE: 5/16/2018
SURVEY BY:
C. BUENDIA
TIME: 9:00 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	99.1%
49					X	99.1%
48					X	99.1%
47					X	99.1%
46					X	99.1%
45					X	99.1%
44					X	99.1%
43					X	99.1%
42					X	98.2%
41					X	97.4%
40					X	95.6%
39					X	93.9%
38					X	92.1%
37					X	84.2%
36					X	80.7%
35					X	78.1%
34					X	75.4% }PACE
33					X	67.5% }PACE
32					X	64.0% }PACE
31					X	58.8% }PACE
30					X	53.5% }PACE
29					X	46.5% }PACE ---MEAN
28					X	40.4% }PACE
27					X	31.6% }PACE
26					X	18.4% }PACE
25					X	14.9% }PACE ---15PCT
24					X	7.0%
23					X	5.3%
22					X	4.4%
21					X	3.5%
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: 24.6 %
 PERCENT IN PACE: 68.4 %
 PERCENT UNDER PACE: 7.0 %

85th PERCENTILE SPEED: 37.1 MPH
 MEDIAN SPEED: 29.5 MPH
 15th PERCENTILE SPEED: 25.0 MPH

od Spot Spd 2018-CUM

Attachment: Traffic Evaluation (1635 : Review of Traffic Conditions on Bridlewood Drive and Devonshire Road)

RADAR SPEED DISTRIBUTION SHEET

HCI

CITY OF LAGUNA HILLS

DEVONSHIRE ROAD
FALLING LEAF DR TO NOTTINGHAM CT

DATE: 5/17/2018

SURVEY BY:

C. BUENDIA

TIME: 9:00 AM - 10:00 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	96.9%
36					X	96.9%
35					X	96.9%
34					X	93.8% }PACE
33				X		78.1% }PACE -- -85PCT
32				X		78.1% }PACE
31				X		75.0% }PACE
30				X		71.9% }PACE
29			X			62.5% }PACE
28			X			50.0% }PACE ---MEAN
27			X			46.9% }PACE
26		X				28.1% }PACE
25		X				21.9% }PACE
24	X					9.4% ---15PCT
23	X					9.4%
22	X					3.1%
21	X					3.1%
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: 6.3 %
 PERCENT IN PACE: 84.4 %
 PERCENT UNDER PACE: 9.4 %

85th PERCENTILE SPEED: 33.4 MPH
 MEDIAN SPEED: 28.0 MPH
 15th PERCENTILE SPEED: 24.5 MPH

Attachment: Traffic Evaluation (1635 : Review of Traffic Conditions on Bridlewood Drive and Devonshire Road)

Devonshire 2018-01

Radar Speed Survey Field Sheet

HARTZOG AND CRABILL II
Consulting Traffic Engineers
17521 Santa Fe Rd., Suite 102, Santa Fe, NM 87505
(505) 231-5455

AGENCY: CITY OF LAGUNA HILLS
STREET: DEVONSHIRE ROAD
LOCATION: FALLING LEAF DR. TO NOTTINGHAM CT

WEATHER: SUNNY DATE: 05-17-18
ROAD CONDITION: DRY START TIME: 9:00 AM
OBSERVER: CATHY BUENDIA END TIME: 10:00 AM

DIRECTION: <u>SOUTHBOUND</u>											
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											
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42											
41											
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37											
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35											
34	/	/	/	/							
33	/	/	/	/							
32	/	/	/	/							
31	/	/	/	/							
30	/	/	/	/							
29	/	/	/	/							
28	/	/	/	/							
27	/	/	/	/							
26	/	/	/	/							
25	/	/	/	/							
24											
23											
22											
21											
20											
19											
18											
17											
16											
15											

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

CUMULATIVE (BOTH DIRECTIONS) _____

DIRECTION:											
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	/										
36	/										
35	/										
34	/										
33	/										
32	/										
31	/										
30	/										
29	/										
28	/										
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25	/										
24	/										
23	/										
22	/										
21	/										
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
	43
	42
	41
	40
	39
1	38
0	37
0	36
0	35
5	34
0	33
0	32
0	31
3	30
4	29
0	28
6	27
2	26
4	25
0	24
2	23
0	22
1	21
	20
	19
	18
	17
	16
	15

RADAR SPEED DISTRIBUTION SHEET

CITY OF LAGUNA HILLS
HCI DEVONSHIRE ROAD FALLING LEAF DR TO NOTTINGHAM CT
 DATE: 5/17/2018 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	95.7%
36					X	95.7%
35					X	95.7%
34					X	95.7% }PACE
33					X	95.7% }PACE
32					X	95.7% }PACE
31					X	87.0% }PACE
30					X	87.0% }PACE
29					X	78.3% }PACE -- 85PCT
28					X	60.9% }PACE
27					X	52.2% }PACE
26					X	39.1% }PACE ---MEAN
25	X				X	21.7% }PACE
24	X				X	4.3% }PACE ---15PCT
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: 34 MPH
 LOWER LIMIT 10 MPH PACE: 25 MPH
 PERCENT OVER PACE: 4.3 %
 PERCENT IN PACE: 95.7 %
 PERCENT UNDER PACE: 0.0 %

85th PERCENTILE SPEED: 30.8 MPH
 MEDIAN SPEED: 27.8 MPH
 15th PERCENTILE SPEED: 25.6 MPH

Attachment: Traffic Evaluation (1635 : Review of Traffic Conditions on Bridlewood Drive and Devonshire Road)

Devonshire 2018-02

Radar Speed Survey Field Sheet

HARTZOG AND CRABILL
Consulting Traffic Engineers
11532 Santa Blvd., Suite 112, Austin, TX 78750
(512) 751-5452

AGENCY: CITY OF LAGUNA HILLS
STREET: DEVONSHIRE ROAD
LOCATION: FALLING LEAF DR TO NOTTINGHAM CT.

WEATHER: SUNNY DATE: 5-17-18
ROAD CONDITION: DRY START TIME: 10:00 AM
OBSERVER: CATHY BUENDIA END TIME: 11:00 AM VM

DIRECTION: <u>SOUTHBOUND</u>							
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	/						1
37							0
36							0
35							0
34							0
33	/						0
32							0
31	/						0
30	/	/	/				3
29	/						0
28							0
27	/	/	/				3
26	/	/	/				2
25	/	/	/				
24							
23							
22							
21							
20							
19							
18							
17							
16							
15							

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

DIRECTION: NORTHBOUND								CUMULATIVE TOTAL	MPH
MPH	5	10	15	20	25	30	TOTAL		MPH
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								1	37
36								0	36
35								0	35
34								0	34
33	/						1	2	33
32	/						0	0	32
31	/							2	31
30	/							4	30
29	/								29
28	//						3	2	28
27	//							4	27
26	//						2	4	26
25								1	25
24									24
23									23
22									22
21									21
20									20
19									19
18									18
17									17
16									16
15									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
	43
	42
	41
	40
	39
	38
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	36
	35
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200152377640500201

RADAR SPEED DISTRIBUTION SHEET

HCI

CITY OF LAGUNA HILLS

DEVONSHIRE ROAD
FALLING LEAF DR TO NOTTINGHAM CT
DATE: 5/17/2018
SURVEY BY:
C. BUENDIA
TIME: 9:00 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	96.4%
36					X	96.4%
35					X	96.4%
34					X	94.5% } PACE
33				X		85.5% } PACE
32				X		81.8% } PACE --- 85PCT
31				X		80.0% } PACE
30				X		74.5% } PACE
29			X			61.8% } PACE
28			X			50.9% } PACE
27		X				43.6% } PACE --- MEAN
26		X				25.5% } PACE
25	X					14.5% } PACE --- 15PCT
24	X					5.5%
23	X					5.5%
22	X					1.8%
21	X					1.8%
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: 5.5 %
 PERCENT IN PACE: 89.1 %
 PERCENT UNDER PACE: 5.5 %

85th PERCENTILE SPEED: 32.9 MPH
 MEDIAN SPEED: 27.9 MPH
 15th PERCENTILE SPEED: 25.0 MPH

Devonshire 2018 CUM

Attachment: Traffic Evaluation (1635 : Review of Traffic Conditions on Bridlewood Drive and Devonshire Road)

ADT Volume Data

Prepared by NDS/ATD

VOLUME

Bridlewood Dr Bet. Vista Viejo Rd & Laurel Crest Dr

Day: Wednesday

Date: 5/2/2018

City: Laguna Hills

Project #: CA18_1093_001

DAILY TOTALS					NB	SB	EB					WB	Total
					454	268						0	0
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL		
00:00	0	0			0	12:00	5	10			15		
00:15	1	1			2	12:15	6	9			15		
00:30	0	0			0	12:30	7	3			10		
00:45	0	1	0	1	0	12:45	7	25	4	26	11		
01:00	0	0			0	13:00	5	2			7		
01:15	0	0			0	13:15	6	4			10		
01:30	0	0			0	13:30	8	4			12		
01:45	0	0			0	13:45	2	21	9	19	11		
02:00	0	0			0	14:00	8	7			15		
02:15	0	0			0	14:15	7	4			11		
02:30	0	0			0	14:30	7	5			12		
02:45	0	0			0	14:45	9	31	5	21	14		
03:00	0	0			0	15:00	5	7			12		
03:15	0	0			0	15:15	9	5			14		
03:30	0	0			0	15:30	3	6			9		
03:45	0	0			0	15:45	8	25	4	22	12		
04:00	1	1			2	16:00	12	5			17		
04:15	0	0			0	16:15	10	7			17		
04:30	1	0			1	16:30	6	3			9		
04:45	1	3	0	1	1	16:45	11	39	3	18	14		
05:00	1	1			2	17:00	4	2			6		
05:15	0	0			0	17:15	4	3			7		
05:30	2	0			2	17:30	15	10			25		
05:45	1	4	0	1	1	17:45	9	32	5	20	14		
06:00	2	1			3	18:00	4	2			6		
06:15	1	1			2	18:15	10	8			18		
06:30	5	0			5	18:30	10	4			14		
06:45	2	10	1	3	3	18:45	7	31	6	20	13		
07:00	9	3			12	19:00	12	7			19		
07:15	8	5			13	19:15	3	1			4		
07:30	7	4			11	19:30	4	4			8		
07:45	15	39	4	16	19	19:45	4	23	3	15	7		
08:00	11	7			18	20:00	4	1			5		
08:15	11	4			15	20:15	4	1			5		
08:30	16	5			21	20:30	4	3			7		
08:45	7	45	2	18	9	20:45	3	15	1	6	4		
09:00	9	6			15	21:00	4	1			5		
09:15	11	1			12	21:15	3	2			5		
09:30	8	4			12	21:30	2	4			6		
09:45	4	32	4	15	8	21:45	1	10	0	7	1		
10:00	4	2			6	22:00	0	4			4		
10:15	6	4			10	22:15	0	2			2		
10:30	11	4			15	22:30	2	0			2		
10:45	8	29	5	15	13	22:45	1	3	0	6	1		
11:00	6	8			14	23:00	1	1			2		
11:15	7	4			11	23:15	0	0			0		
11:30	13	2			15	23:30	0	0			0		
11:45	8	34	3	17	11	23:45	1	2	0	1	1		
TOTALS	197	87			284	TOTALS	257	181			438		
SPLIT %	69.4%	30.6%			39.3%	SPLIT %	58.7%	41.3%			60.7		

DAILY TOTALS					NB	SB	EB	WB	Total
					454	268	0	0	722
AM Peak Hour	07:45	11:45		07:45	PM Peak Hour	16:00	12:00		18:1
AM Pk Volume	53	25		73	PM Pk Volume	39	26		64
Pk Hr Factor	0.828	0.625		0.869	Pk Hr Factor	0.813	0.650		0.84
7 - 9 Volume	84	34	0	118	4 - 6 Volume	71	38	0	109
7 - 9 Peak Hour	07:45	07:15		07:45	4 - 6 Peak Hour	16:00	17:00		16:0
7 - 9 Pk Volume	53	20	0	73	4 - 6 Pk Volume	39	20	0	57
Pk Hr Factor	0.828	0.714	0.000	0.869	Pk Hr Factor	0.813	0.500	0.000	0.83

Attachment: Traffic Evaluation (1635 : Review of Traffic Conditions on Bridlewood Drive and Devonshire Road)

Prepared by NDS/ATD

VOLUME

Devonshire Rd Bet. Falling Leaf Dr & Nottingham Ct

Day: Wednesday

Date: 5/2/2018

City: Laguna Hills

Project #: CA18_1093_002

DAILY TOTALS					NB	SB	EB					WB	Total	
					174	416						0	0	590
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL			
00:00	0	0			0	12:00	2	9			11			
00:15	0	0			0	12:15	2	7			9			
00:30	0	0			0	12:30	3	6			9			
00:45	0	0			0	12:45	4	11	8	30	12	41		
01:00	0	0			0	13:00	2	5			7			
01:15	0	0			0	13:15	5	7			12			
01:30	0	0			0	13:30	3	5			8			
01:45	0	0			0	13:45	5	15	3	20	8	35		
02:00	0	0			0	14:00	6	7			13			
02:15	0	0			0	14:15	4	7			11			
02:30	0	0			0	14:30	5	5			10			
02:45	0	0			0	14:45	2	17	6	25	8	42		
03:00	1	0			1	15:00	3	10			13			
03:15	0	0			0	15:15	6	9			15			
03:30	0	0			0	15:30	7	10			17			
03:45	0	1	0		0	15:45	1	17	7	36	8	53		
04:00	0	0			0	16:00	0	6			6			
04:15	0	0			0	16:15	8	4			12			
04:30	0	0			0	16:30	4	9			13			
04:45	0	1	1		1	16:45	7	19	12	31	19	50		
05:00	0	0			0	17:00	3	11			14			
05:15	1	1			2	17:15	6	14			20			
05:30	0	0			0	17:30	3	12			15			
05:45	0	1	1	2	1	17:45	2	14	14	51	16	65		
06:00	1	1			2	18:00	2	14			16			
06:15	0	0			0	18:15	4	19			23			
06:30	0	5			5	18:30	2	7			9			
06:45	0	1	2	8	2	18:45	3	11	8	48	11	59		
07:00	1	2			3	19:00	3	8			11			
07:15	0	3			3	19:15	2	4			6			
07:30	5	1			6	19:30	4	4			8			
07:45	2	8	5	11	7	19:45	1	10	3	19	4	29		
08:00	2	6			8	20:00	1	6			7			
08:15	2	7			9	20:15	2	3			5			
08:30	6	4			10	20:30	1	1			2			
08:45	2	12	5	22	7	20:45	1	5	3	13	4	18		
09:00	3	10			13	21:00	0	2			2			
09:15	0	7			7	21:15	3	5			8			
09:30	4	4			8	21:30	1	4			5			
09:45	3	10	6	27	9	21:45	1	5	1	12	2	17		
10:00	1	9			10	22:00	0	6			6			
10:15	0	3			3	22:15	1	3			4			
10:30	2	5			7	22:30	0	0			0			
10:45	2	5	6	23	8	22:45	2	3	0	9	2	12		
11:00	2	7			9	23:00	1	1			2			
11:15	1	5			6	23:15	0	3			3			
11:30	3	5			8	23:30	0	0			0			
11:45	2	8	5	22	7	23:45	0	1	2	6	2	7		
TOTALS	46	116			162	TOTALS	128	300			428			
SPLIT %	28.4%	71.6%			27.5%	SPLIT %	29.9%	70.1%			72.5			
DAILY TOTALS					NB	SB	EB					WB	Total	
					174	416						0	0	590

DAILY TOTALS					NB	SB	EB	WB	Total
					174	416	0	0	590
AM Peak Hour	08:15	09:00			08:15	PM Peak Hour	16:15	17:30	17:30
AM Pk Volume	13	27			39	PM Pk Volume	22	59	70
Pk Hr Factor	0.542	0.675			0.750	Pk Hr Factor	0.688	0.776	0.76
7 - 9 Volume	20	33	0	0	53	4 - 6 Volume	33	82	115
7 - 9 Peak Hour	07:45	07:45			07:45	4 - 6 Peak Hour	16:15	17:00	16:4
7 - 9 Pk Volume	12	22	0	0	34	4 - 6 Pk Volume	22	51	68
Pk Hr Factor	0.500	0.786	0.000	0.000	0.850	Pk Hr Factor	0.688	0.911	0.000

Attachment: Traffic Evaluation (1635 : Review of Traffic Conditions on Bridlewood Drive and Devonshire Road)

Collision History

CITY OF LAGUNA HILLS
SWITRS COLLISION DATABASE
BRIDLEWOOD DRIVE, FROM VISTA VIEJO ROAD TO LAUREL CREST DRIVE
JAN. 1, 2013 - FEB. 28, 2018

CASE ID	COLL. DATE	COLL. TIME	PRIMARY ROAD	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	ROA SURI
8361526	20170326	10	BRIDLEWOOD DR	VISTA VIEJO RD	488	N	N	A	0	A	1	23152	N	C	E	A
6174038	20130806	1741	VISTA VIEJO	BRIDLEWOOD LN	0		Y	A	4	A	9	21801	N	A	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 Influence	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 Only)	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		
			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		

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

Road Surface

A - Dry
 B - Wet
 C - Snowy or Icy
 D - Slippery
 - - Not Stated

CITY OF LAGUNA HILLS
SWITRS COLLISION DATABASE
DEVONSHIRE ROAD, FROM FALLING LEAF DRIVE TO NOTTINGHAM COURT
JAN. 1, 2013 - FEB. 28, 2018

CASE ID	COLL. DATE	COLL. TIME	PRIMARY ROAD	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	ROA SURF
8326285	20170220	2256	DEVONSHIRE RD	NORTH ELM BANK DR	175		N	A	4	A	8	22107	N	C	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 Influence	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 Only)	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		
			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		

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

Road Surface

A - Dry
 B - Wet
 C - Snowy or Icy
 D - Slippery
 -- Not Stated



City of Laguna Hills

Traffic Commission

Staff Report

DATE: July 18, 2018
TO: Traffic Commissioners
FROM: Kenneth H. Rosenfield P.E.
Assistant City Manager/Director of Public Services
ISSUE: Radar Speed Trailer

RECOMMENDATION: That the Traffic Commission Receive and File the Report.

ATTACHMENTS:

- July Radar Trailer Calendar

CITY OF LAGUNA HILLS

JULY 2018

RADAR TRAILER SCHEDULE (RAINY DAYS EXCLUDED)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3 25561 Rapid Falls 25 MPH	4 HOLIDAY	5 Nellie Gail E/O Empty Saddle 25 MPH	6	7
8	9	10	11	12	13	14
15	16	17 West Ridge Mid Block 25 MPH	18 Bridlewood S/O Laurel Crest 25 MPH	19 25561 Rapid Falls 25 MPH	20	21
22	23	24	25	26	27	28
29	30	31				

Attachment: July Radar Trailer Calendar (1637 : Radar Speed Trailer)

CITY OF LAGUNA HILLS

AUGUST 2018

RADAR TRAILER SCHEDULE (RAINY DAYS EXCLUDED)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3	4
5	6	7 Nellie Gail W/O Mustang 25 MPH	8 Lost Colt E/O Beargrass 25 MPH	9 Santa Vittoria Mid Block 25 MPH	10	11
12	13	14	15	16	17	18
19	20	21 Nellie Gail W/O Mustang 25 MPH	22 Nellie Gail E/O Empty Saddle 25 MPH	23 Pike W/O Orellano 25 MPH	24	25
26	27	28	29	30	31	

Attachment: July Radar Trailer Calendar (1637 : Radar Speed Trailer)

CITY OF LAGUNA HILLS

SEPTEMBER 2018

RADAR TRAILER SCHEDULE (RAINY DAYS EXCLUDED)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	HOLIDAY	3 Santa Vittoria N/O Ridge Route 25 MPH	4 Bridlewood S/O Laurel Crest 25 MPH	5 Pike W/O Orellano 25 MPH	6	7
8						
9	10	11	12	13	14	15
16	17	18 Santa Vittoria N/O Ridge Route 25 MPH	19 Nellie Gail E/O Empty Saddle 25 MPH	20 Pike W/O Orellano 25 MPH	21	22
23	24	25	26	27	28	29

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