



CITY OF LAGUNA HILLS TRAFFIC COMMISSION

REGULAR MEETING AGENDA Wednesday, May 16, 2018 – 7:00 PM

Mark Jones - Chair

Larry Woodruff - Vice Chair

Greg Staar - 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 Election of Chair

Recommendation: That the Traffic Commission Elect a New Chair.

2 Election of Vice Chair

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

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 Traffic 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 January 17, 2018.

3. PRESENTATIONS**4. ADMINISTRATIVE REPORTS****4.1 Review of Traffic Speed Conditions on Lost Colt Drive Between Nellie Gail Road and Stagline Drive**

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

4.2 Review of Traffic Conditions on Nellie Gail Road Between Oso Parkway and Moulton Parkway

Recommendation: That the Traffic Commission Request Staff Monitor the Speed of Vehicles and Repeat the Speed Survey of Nellie Gail Road Between Oso Parkway and Hidden Trail Road in Six Months' Time.

4.3 Confirmation of No Parking Zones on La Cadena Drive Between Verdugo Drive and Peralta Drive

Recommendation: That the Traffic Commission Recommend 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.

5. INFORMATIONAL ITEMS**5.1 Sheriff's Department Verbal Report**

5.2 Radar Speed Trailer

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

6. COMMISSIONER COMMENTS**7. ADJOURNMENT**

The next Regular Meeting of the Traffic Commission will be July 18, 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 May 11, 2018, at 5:00 pm.



**Assistant City Manager/
Director of Public Services**

May 11, 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: May 16, 2018
TO: Traffic Commissioners
FROM: Kenneth H. Rosenfield P.E.
Assistant City Manager/Director of Public Services
ISSUE: Election of Chair

RECOMMENDATION: That the Traffic Commission Elect a New Chair.



City of Laguna Hills

Traffic Commission

Staff Report

DATE: May 16, 2018
TO: Traffic Commissioners
FROM: Kenneth H. Rosenfield P.E.
Assistant City Manager/Director of Public Services
ISSUE: Election of Vice Chair

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



City of Laguna Hills

Traffic Commission

Staff Report

DATE: May 16, 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 January 17, 2018.

ATTACHMENTS:

- Minutes

**CITY OF LAGUNA HILLS
TRAFFIC COMMISSION MEETING
REGULAR MEETING MINUTES
JANUARY 17, 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 Greg Staar and Commissioner David Wheeler.

Absent: Commissioner Len Herman

1. PUBLIC COMMENTS

There were no Public Comments.

2. MINUTES

THE TRAFFIC COMMISSION APPROVED THE MINUTES OF THE NOVEMBER 15, 2017, REGULAR MEETING, BY M/COMMISSIONER WHEELER, S/COMMISSIONER STAAR. APPROVED BY A VOTE OF 4-0, (COMMISSIONER HERMAN ABSENT).

3. PRESENTATIONS

There were no Presentations.

4. ADMINISTRATIVE REPORTS

4.1 PARKING CONTROL SURVEY (PERMIT PARKING) IN THE STOCKPORT PARK NEIGHBORHOOD

Associate Civil Engineer Amber Shah, indicated Staff was contacted by a resident who requested implementation of parking controls in the "Stockport Park Neighborhood," including the streets of Derby Circle, York Circle, Woolwich Street, Southport Street and Salford Street. The resident was concerned with overflow parking from other neighborhoods affecting the parking supply in their neighborhood.

Staff sent a parking control survey to the neighborhood on September 11, 2017. The survey resulted in a 65% response rate, but no clear consensus on the desired parking control. A second survey was mailed on November 27, 2017, in an effort to gain neighborhood consensus. The response rate to the second survey was 61%,

**CITY OF LAGUNA HILLS
TRAFFIC COMMISSION MEETING
REGULAR MEETING MINUTES
JANUARY 17, 2018**

however, a 2/3rds majority did not support parking controls in the neighborhood, which is a requirement of the Municipal Code.

Ms. Shah also indicated public comments were received at the previous Traffic Commission meeting regarding sight distance issues at the intersection of York Circle and Wilkes Place, and vehicular speeds on Alicia Parkway. Staff reviewed the current site conditions and recommended restricting vehicle parking from 140 feet south of Derby Circle to York Circle by the installation of a “No Stopping Anytime” zone to address the site distance issue. Ms. Shah stated a review of the vehicular speeds on Alicia Parkway revealed higher speeds than desirable, and indicated additional traffic enforcement would be implemented, as resources permit.

Barbara Swango, a resident on Southport Street, spoke in favor of permit parking, and requested no parking during street sweeping hours.

Lynne Liette, a resident of Southport Street, spoke in favor of permit parking, and requested the City allow overnight parking at the Community Center and high school to alleviate overflow parking in her neighborhood.

Terri Jensen, a resident of York Circle, spoke in favor of permit parking, and requested the City allow overnight parking on Paseo de Valencia for overflow parking.

Ramzi Saaty, a resident of Woolwich Street, spoke in favor of permit parking, and requested the City limit the parking control survey to the streets directly affected, and not include the streets not directly impacted.

George Lostracco, a resident of Derby Circle, spoke in favor of permit parking, and stated the overflow parking frequently disrupts his trash service.

Jeff Watt, a resident of Southport Street, spoke in favor of permit parking, and requested the City lower the 2/3rds survey approval threshold.

**THE TRAFFIC COMMISSION RECOMMENDED TO THE CITY COUNCIL
IMPLEMENTATION OF A “NO STOPPING ANYTIME” ZONE ON WILKES PLACE
FROM 140 FEET SOUTH OF DERBY CIRCLE TO YORK CIRCLE FOR THE
ENHANCEMENT OF VEHICULAR SITE DISTANCE, BY M/VICE CHAIR
WOODRUFF, S/COMMISSIONER STAAR.
APPROVED BY A VOTE OF 4-0, (COMMISSIONER HERMAN ABSENT).**

4.2 PARKING CONTROL SURVEY (PERMIT PARKING) IN THE LINDA FLORA NEIGHBORHOOD

Associate Civil Engineer Amber Shah, indicated a resident requested implementation of parking controls in the “Linda Flora Neighborhood” along the streets of Linda Flora

**CITY OF LAGUNA HILLS
TRAFFIC COMMISSION MEETING
REGULAR MEETING MINUTES
JANUARY 17, 2018**

Street, Toluca Court, Ernestine Court and El Segundo Street. The resident was concerned with overflow parking from other areas of the community. Staff sent a parking control survey to the residents on November 28, 2017. There was a 65% response rate, however, the 2/3rds majority approval threshold required by the Municipal Code to implement parking controls was not met.

Farzin Abedzadeh, a resident of Ernestine Court, spoke against permit parking, and thought the 67% approval threshold was a wise policy and protected the residents from undue burdens.

Javid Jalali, a resident of Ernestine Court, spoke against permit parking, and was in favor of the 67% approval threshold to order to implement permit parking.

Mr. Aslan, a resident of Linda Flora, spoke against permit parking.

Alex Davis, a resident of Linda Flora, spoke in favor of permit parking, and stated overflow parking is a huge problem on the first block of Linda Flora.

THE TRAFFIC COMMISSION RECEIVED AND FILED THE REPORT, AND DIRECTED STAFF TO WORK WITH THE NEIGHBORHOOD TO ESTABLISH A PERMIT PARKING PETITION, BY M/COMMISSIONER WHEELER, S/COMMISSIONER STAAR. APPROVED BY A VOTE OF 3-1, VICE CHAIR WOODRUFF VOTED NO, (COMMISSIONER HERMAN ABSENT).

4.3 MULTI-WAY STOP SIGN EVALUATION – DE SALLE STREET AT GRISSOM ROAD

Associate Civil Engineer Amber Shah, indicated Staff was contacted by a resident regarding concerns associated with the T-intersection at Grissom Road and vehicular speeding in general. Staff initiated a multi-way stop sign evaluation of the intersection of De Salle Street at Grissom Road. The analysis of this intersection did not identify conditions that would support the need for a multi-way stop sign. However, a side street stop sign on De Salle Street was recommended to affirmatively assign the right of way at the intersection. Vehicular speeds were found to be consistent with typical speeds found on residential streets and occasional traffic speed enforcement was recommended, as resources permit.

THE TRAFFIC COMMISSION RECOMMENDED TO THE CITY COUNCIL THE INSTALLATION OF A ONE-WAY STOP SIGN ON DE SALLE STREET AT GRISSOM ROAD, BY M/COMMISSIONER WHEELER, S/VICE CHAIR WOODRUFF. APPROVED BY A VOTE OF 4-0, (COMMISSIONER HERMAN ABSENT).

**CITY OF LAGUNA HILLS
TRAFFIC COMMISSION MEETING
REGULAR MEETING MINUTES
JANUARY 17, 2018**

5. INFORMATIONAL ITEMS

5.1 SHERIFF'S DEPARTMENT VERBAL REPORT

Sergeant Prince had a prior commitment and was unable to attend the meeting.

5.2 RADAR SPEED TRAILER

Staff submitted the schedule for the radar trailer.

6. COMMISSIONER COMMENTS

Vice Chair Woodruff requested to incorporate Grissom Road at De Salle Street into the radar trailer calendar, per Agenda Item 4.3. In addition, Vice Chair Woodruff stated his support for the Municipal Code requirement threshold of 67% approval for implementing neighborhood parking controls.

Commissioner Wheeler commented the homeowners that have overflow parking issues should request to have their streets addressed on a street by street basis, and not get lost in the overall neighborhood survey of multiple streets.

7. ADJOURNMENT

There being no further business before the Traffic Commission at this session, Chair Jones declared the meeting adjourned at 8:06 p.m.

Prepared By:

Amber Shah, P.E.
Associate Civil Engineer

Approved By:

Chair Mark Jones

Attachment: Minutes (1570 : Minutes)



City of Laguna Hills

Traffic Commission

Staff Report

DATE: May 16, 2018

TO: Traffic Commissioners

FROM: Kenneth H. Rosenfield P.E.
Assistant City Manager/Director of Public Services

ISSUE: Review of Traffic Speed Conditions on Lost Colt Drive Between Nellie Gail Road and Stageline Drive

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

SUMMARY:

Staff was recently contacted by a resident regarding concerns of vehicular speeding on Lost Colt Drive. 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 and traffic collision history on Lost Colt Drive between Nellie Gail Road and Stageline Drive.

The speed surveys, performed by Hartzog & Crabill, Inc., attached, determined the 85th percentile speeds on Lost Colt Drive as 29 mph south of Nellie Gail Road and 35 mph north of Stageline Drive. While the regulatory speed limit on a residential street is 25 mph, Staff's experience has found the typical prevailing speed range on residential streets in the City as being between 32 and 34 mph, without adverse traffic collision history. The 85th percentile speed measurement for a portion of the roadway is slightly higher than expected. The traffic count data revealed the 24-hr volumes to be low to average for a typical residential street that is a connecting, or through, street to other neighborhoods.

A five-year traffic collision history report was also prepared which determined only one traffic collision had been reported. This traffic collision was identified as not speed-related. Given the speed surveys and data review, no change to traffic controls is

Traffic Speed Conditions on Lost Colt Drive

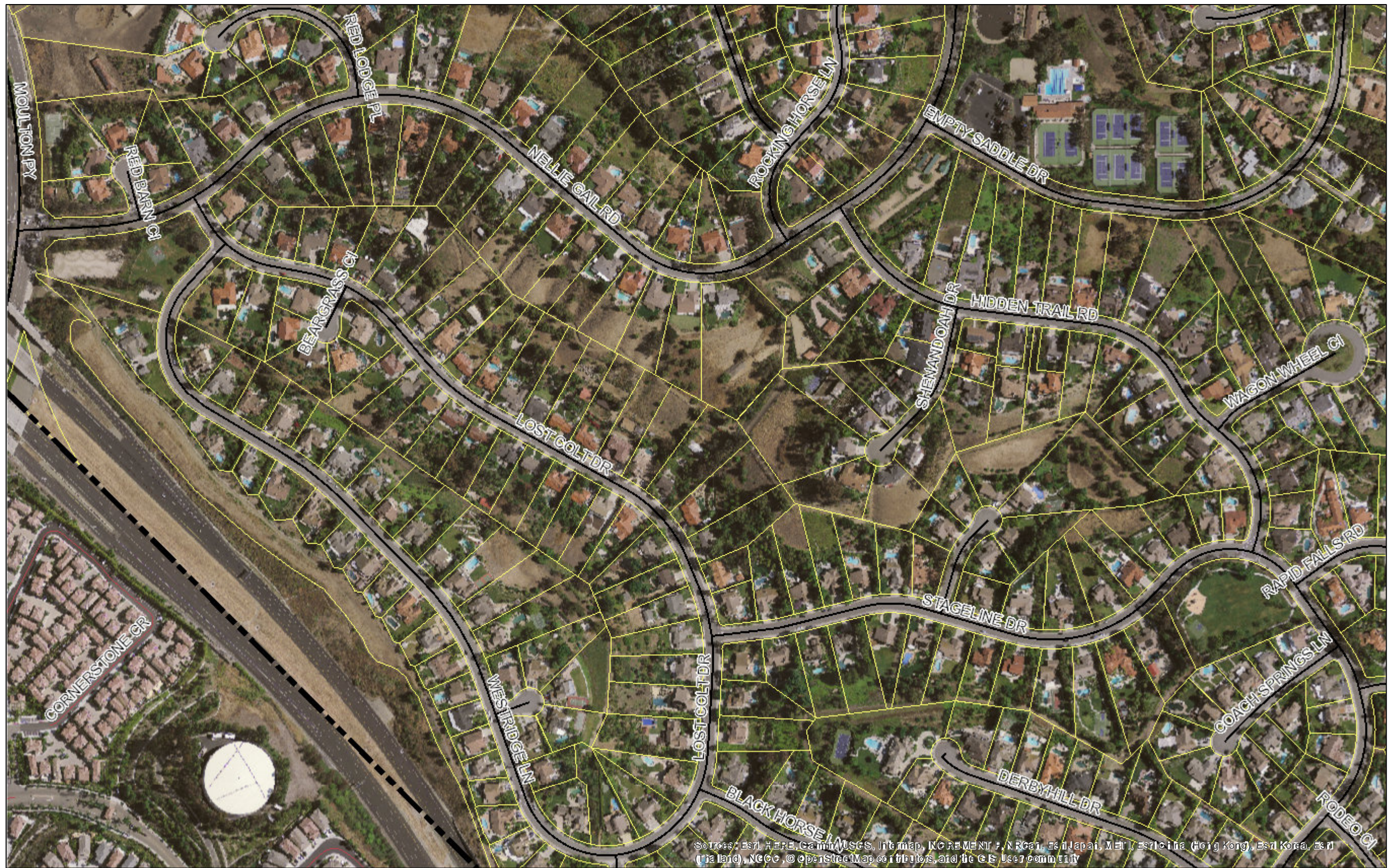
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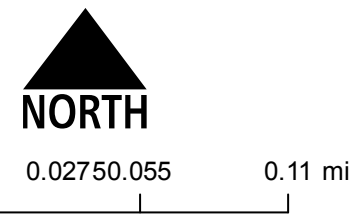
proposed. However, as available, police enforcement of driver behavior is the best and appropriate remedy for this location and issue of concern. Staff will work with the Sheriff's Department on enforcement activity in this area and we will also post the radar trailer in this area to increase driver education as to the appropriate speed on Lost Colt Drive.

ATTACHMENTS:

- Vicinity Map - Lost Colt Drive
- Lost Colt Drive Traffic Evaluation



Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NOAA, © openStreetMap contributors, and the GIS User community



VICINITY MAP - LOST COLT DRIVE





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

May 8, 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 Lost Colt Drive
between Nellie Gail Road and Stageline Drive**

Dear Mr. Rosenfield,

Pursuant to your request, Hartzog & Crabill, Inc. (HCI) has prepared this traffic engineering evaluation regarding residential concerns of speeding and collisions on Lost Colt Drive, between Nellie Gail Road and Stageline Drive.

BACKGROUND

Lost Colt Drive, between Nellie Gail Road and Stageline Drive, is a 36-foot wide, curvy 2-lane, north-south residential collector roadway. There are 1-way stop controls at both project limits: Lost Colt Drive is stopped at the northerly intersection of Nellie Gail Road, and Stageline Drive is stopped at the southerly intersection. There is no centerline striping along the entire segment. There is one Equestrian Xing with posted warning signs within this segment.

There are a few posted 25 MPH speed limit signs along Lost Colt Drive between Nellie Gail Road and Stageline Drive. There are also '25' pavement markings adjacent to the sign postings. On-street parking is allowed along both sides of Lost Colt Drive.

TRAVEL SPEED DATA

To determine travel speeds on Lost Colt Drive, a speed-count survey was conducted at two separate locations along this residential collector roadway on Tuesday, March 23, 2018.

More specifically, 24-hour mid-week speed/count data was collected at a northerly location and a southerly location on Lost Colt Drive.

Attachment: Lost Colt Drive Traffic Evaluation (1566 : Traffic Speed Conditions on Lost Colt Drive)

Mr. Kenneth H. Rosenfield, PE
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TRAVEL SPEED DATA *(continued)*

Table 1 below summarizes the speed-count data.

TABLE 1
SPEED SURVEY SUMMARY
LOST COLT DRIVE, FROM NELLIE GAIL ROAD TO STAGELINE DRIVE

Speed-Count Summary	South of Nellie Gail Road	North of Stageline Drive
85 th Percentile Speed	29 MPH	35 MPH
50 th Percentile Speed	26 MPH	30 MPH
15 th Percentile Speed	21 MPH	24 MPH
Percent Above 35 MPH	1%	11%
Average Daily Traffic (ADT)	1,450 vehicles	979 vehicles

Source: Hartzog & Crabill, Inc., 2018.

As shown above, the 85th percentile speed on Lost Colt Drive was recorded at 29 MPH near Nellie Gail Road and at 35 MPH near Stageline Drive. This data shows that higher travel speeds are occurring in the southerly section of this project segment. The speed-count survey data is attached to this letter.

TRAFFIC VOLUME DATA

Traffic counts were also gathered for the segment of Lost Colt Drive between Nellie Gail Road to assess if traffic volumes have increased on this segment. The existing traffic volume data was also collected on Tuesday, March 27, 2018. The highest Average Daily Traffic (ADT) - 24-hour two-way traffic volume along this segment is approximately 1,450 vehicles occurring near Nellie Gail Road.

A two-lane collector street generally has a Level-of-Service (LOS) 'D' capacity of 11,300 vehicles per day. Consequently, the existing traffic volumes are well under the roadway capacity. The traffic volume data is included in the attached speed-count data.

Mr. Kenneth H. Rosenfield, PE
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COLLISION DATA

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 Lost Colt Drive.

Table 2 below presents the summary collision data.

TABLE 2
TRAFFIC COLLISION DATA SUMMARY
LOST COLT DRIVE, FROM NELLIE GAIL ROAD TO STAGELINE DRIVE

YEAR	NUMBER OF COLLISIONS	FATAL	INJURY	PROPERTY DAMAGE ONLY
2013	0	0	0	0
2014	0	0	0	0
2015	1	0	1	0
2016	0	0	0	0
2017	0	0	0	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 within the last (5) years. This collision was recorded as a Hit Object 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 report is attached to this letter.

RECOMMENDATION

It is recommended that an incremental approach be taken to address the higher travel speeds. Initial steps include increased law enforcement, along with use of a portable radar speed feedback trailer.

Mr. Kenneth H. Rosenfield, PE
May 8, 2018
Page 4 of 5

It has been our pleasure to prepare this letter of opinion regarding speeds, traffic volumes, and collisions on Lost Colt Drive, between Nellie Gail Road and Stageline Drive. 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: Speed/ADT Volume Data
 Collision History

Attachment: Lost Colt Drive Traffic Evaluation (1566 : Traffic Speed Conditions on Lost Colt Drive)

Speed/ADT Count Data

SPEED

Lost Colt Dr E/O Westridge Ln

4.1.b

Day: Tuesday

Date: 3/27/2018

City: Laguna Hills

Project #: CA18_1061_001

Summary

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
00:00 AM	0	0	2	1	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	2
02:00	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	1
04:00	0	0	0	1	0	0	0	0	0	0	0	0	0	1
05:00	0	1	1	3	0	0	0	0	0	0	0	0	0	5
06:00	2	2	5	15	3	0	0	0	0	0	0	0	0	27
07:00	1	3	21	35	13	1	0	0	0	0	0	0	0	74
08:00	6	11	35	38	9	1	0	0	0	0	0	0	0	100
09:00	6	10	34	34	10	0	0	0	0	0	0	0	0	94
10:00	0	5	31	39	6	2	0	0	0	0	0	0	0	83
11:00	2	11	36	43	9	1	0	0	0	0	0	0	0	102
12:00 PM	3	5	30	43	8	0	0	0	0	0	0	0	0	89
13:00	4	5	26	49	6	1	0	0	0	0	0	0	0	91
14:00	0	5	43	50	16	2	0	0	0	0	0	0	0	116
15:00	3	11	37	47	7	0	0	0	0	0	0	0	0	105
16:00	2	10	35	52	12	0	0	0	0	0	0	0	0	111
17:00	6	5	51	63	13	1	0	0	0	0	0	0	0	139
18:00	2	4	41	40	3	1	0	0	0	0	0	0	0	91
19:00	2	4	36	39	5	1	0	0	0	0	0	0	0	87
20:00	0	4	27	24	2	0	0	0	0	0	0	0	0	57
21:00	0	2	19	7	0	0	0	0	0	0	0	0	0	28
22:00	1	3	6	14	9	0	0	0	0	0	0	0	0	33
23:00	0	0	1	9	0	0	0	0	0	0	0	0	0	10
Totals	40	102	518	648	131	11								1450
% of Totals	3%	7%	36%	45%	9%	1%								100%

AM Volumes	17	44	166	211	50	5	0	0	0	0	0	0	0	493
% AM	1%	3%	11%	15%	3%	0%								34%
AM Peak Hour	08:00	08:00	11:00	11:00	07:00	10:00								11:00
Volume	6	11	36	43	13	2								102
PM Volumes	23	58	352	437	81	6	0	0	0	0	0	0	0	957
% PM	2%	4%	24%	30%	6%	0%								66%
PM Peak Hour	17:00	15:00	17:00	17:00	14:00	14:00								17:00
Volume	6	11	51	63	16	2								139
Directional Peak Periods All Speeds	AM 7-9				NOON 12-2				PM 4-6				Off Peak Volumes	
	Volume			%	Volume			%	Volume			%	Volume	%
	174	↔		12%	180	↔		12%	250	↔		17%	846	58%

Street Name	Direction	Percentiles				
		15th	50th	Average	85th	95th
Lost Colt Dr	Summary	21	26	25	29	33

SPEED

Lost Colt Dr W/O Stageline Dr

4.1.b

Day: Tuesday

Date: 3/27/2018

City: Laguna Hills

Project #: CA18_1061_002

Summary

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
00:00 AM	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
02:00	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
04:00	0	0	0	2	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	1
06:00	0	0	2	8	5	1	1	0	0	0	0	0	0	17
07:00	2	4	13	22	10	1	0	0	0	0	0	0	0	52
08:00	0	2	15	19	30	5	0	1	0	0	0	0	0	72
09:00	0	1	9	20	21	8	1	0	0	0	0	0	0	60
10:00	0	2	2	21	26	10	1	0	0	0	0	0	0	62
11:00	0	6	9	17	26	5	0	0	0	0	0	0	0	63
12:00 PM	1	1	5	23	31	8	2	0	0	0	0	0	0	71
13:00	1	3	13	19	32	6	2	0	0	0	0	0	0	76
14:00	2	2	2	23	24	3	2	0	0	0	0	0	0	58
15:00	0	1	12	28	24	9	1	0	0	0	0	0	0	75
16:00	0	2	8	31	43	9	0	0	0	0	0	0	0	93
17:00	1	2	7	32	33	15	2	0	0	0	0	0	0	92
18:00	2	1	17	39	27	10	0	0	0	0	0	0	0	96
19:00	1	2	5	16	9	1	0	0	0	0	0	0	0	34
20:00	0	0	2	10	8	1	0	0	0	0	0	0	0	21
21:00	0	0	2	8	6	3	0	0	0	0	0	0	0	19
22:00	0	0	1	5	2	2	0	0	0	0	0	0	0	10
23:00	0	0	0	0	3	0	1	0	0	0	0	0	0	4
Totals	10	29	125	344	360	97	13	1						979
% of Totals	1%	3%	13%	35%	37%	10%	1%	0%						100%

AM Volumes	2	15	51	110	118	30	3	1	0	0	0	0	0	330
% AM	0%	2%	5%	11%	12%	3%	0%	0%						34%
AM Peak Hour	07:00	11:00	08:00	07:00	08:00	10:00	06:00	08:00						08:00
Volume	2	6	15	22	30	10	1	1						72
PM Volumes	8	14	74	234	242	67	10	0	0	0	0	0	0	649
% PM	1%	1%	8%	24%	25%	7%	1%							66%
PM Peak Hour	14:00	13:00	18:00	18:00	16:00	17:00	12:00							18:00
Volume	2	3	17	39	43	15	2							96
Directional Peak Periods All Speeds			AM 7-9			NOON 12-2			PM 4-6			Off Peak Volumes		
			Volume 124	↔	% 13%	Volume 147	↔	% 15%	Volume 185	↔	% 19%	Volume 523	↔	% 53%

Street Name	Direction	Percentiles					
		15th	50th	Average	85th	95th	ADT
Lost Colt Dr	Summary	24	30	29	35	38	9

Collision History

CITY OF LAGUNA HILLS
SWITRS COLLISION DATABASE
LOST COLT DRIVE, FROM NELLIE GAIL ROAD TO STAGELINE 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	ROAD SURF.
6983315	20150623	1519	LOST COLT DR	STAGELINE DR	404	W	N	A	3	A	8	22107	N	E	I	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

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

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

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

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

Attachment: Lost Colt Drive Traffic Evaluation (1566 : Traffic Speed Conditions on Lost Colt Drive)



City of Laguna Hills

Traffic Commission

Staff Report

DATE: May 16, 2018
TO: Traffic Commissioners
FROM: Kenneth H. Rosenfield P.E.
Assistant City Manager/Director of Public Services
ISSUE: Review of Traffic Conditions on Nellie Gail Road Between Oso Parkway and Moulton Parkway

RECOMMENDATION: That the Traffic Commission Request Staff Monitor the Speed of Vehicles and Repeat the Speed Survey of Nellie Gail Road Between Oso Parkway and Hidden Trail Road in Six Months Time.

SUMMARY:

Staff was recently contacted by a resident regarding concerns of vehicular speeding and cut-through traffic on Nellie Gail Road between Oso Parkway and Moulton Parkway. 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 collision history and an origin and destination study (cut-through traffic analysis) on Nellie Gail Road between Oso Parkway and Moulton Parkway.

The Traffic Engineers of Hartzog & Crabill, Inc., (HCI) completed the attached May 9, 2018, study of the traffic attributes of Nellie Gail Road from Oso Parkway to Moulton Parkway. The speed survey counts, performed by HCI, as shown in the study, determined the 85th percentile speeds on Nellie Gail Road as 39 mph south of Oso Parkway and 36 mph east of Moulton Parkway, respectively. Related to the portions of Nellie Gail Road that are posted at 25 mph, from Oso Parkway to Lost Colt Drive, 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 the vehicles on Nellie Gail Road south of Oso Parkway were exceeding 35 mph, which

Traffic Conditions on Nellie Gail Road Between Oso Parkway and Moulton Parkway

May 16, 2018

Page 2

is also a higher percentage than the expected percentage (15%). A portion of Nellie Gail Road from Lost Colt Drive to Oso Parkway is posted at 30 mph and it is 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 measurement of Nellie Gail Road south of Oso Parkway (generally between Oso Parkway and Hidden Trail Road) is higher than expected and considered to be unacceptable for a residential character street.

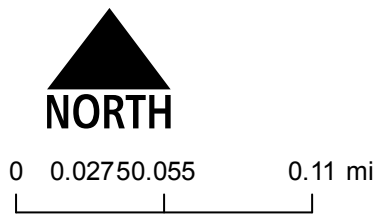
The traffic count data revealed the 24-hr volumes to be low to average for a typical residential street that is a connecting, or through, street to other neighborhoods. The origin and destination study revealed the peak hourly percentages to be low, in the 0-5% range, for what may be considered 'cut-through' traffic. The traffic volumes and cut-through traffic are not significant and no action is needed in response to this data.

A five-year traffic collision history review was also included in the study which determined five traffic collisions had been reported during this time. Although the traffic collisions were not identified as speed-related in the report, given the number of accidents and results of the speed data collection, it is possible speed could have been a contributing factor.

Concentrated police enforcement of driver behavior is the best and appropriate remedy for this location and issue of concern. Staff will work with the 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 Nellie Gail Road. Staff will also reach out to the Nellie Gail 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. 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 - Nellie Gail Road
- Nellie Gail Road Analysis



VICINITY MAP - NELLIE GAIL ROAD





Trammell Hartzog, President
Gerald J. Stock, PE, TE,
Executive Vice President

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Suite 101
Tustin, CA 92780

Phone: (714) 731-9455
FAX: (714) 731-9498

www.hartzog-crabill.com

May 9, 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: Letter of Opinion – Speeding, Cut-through Traffic,
and Collision Concerns along Nellie Gail Road
from Oso Parkway to Moulton Parkway**

Dear Mr. Rosenfield,

Pursuant to your request, Hartzog & Crabill, Inc. (HCI) has prepared this traffic engineering evaluation regarding resident concerns of speeding, cut-through traffic, and collisions on Nellie Gail Road, between Oso Parkway and Moulton Parkway.

BACKGROUND

Nellie Gail Road, between Oso Parkway and Moulton Parkway, is a 40-foot wide, curvy 2-lane, residential collector roadway. There are traffic signal controls at both project limits. There is a double-yellow centerline stripe along the entire segment, and raised landscaped center medians at the project limits. There are a few Equestrian Xings with posted warning signs within this segment.

There are posted 25 MPH speed limit signs and pavement legends along Nellie Gail Road between Oso Parkway and Lost Colt Drive. From Lost Colt Drive to Moulton Parkway, the speed limit is set and posted at 30 mph. On-street parking is allowed along both sides of Nellie Gail Road.

TRAVEL SPEED DATA

To determine travel speeds on this segment of Nellie Gail Road, a speed-count survey was conducted at two separate locations along this residential collector roadway on Thursday, March 29, 2018.

More specifically, 24-hour mid-week speed/count data was collected at a westerly and northerly project limit location on Nellie Gail Road.

Attachment: Nellie Gail Road Analysis (1567 : Traffic Conditions on Nellie Gail Road Between Oso Parkway and Moulton Parkway)

Mr. Kenneth H. Rosenfield, PE
 May 9, 2018
 Page 2 of 5

TRAVEL SPEED DATA *(continued)*

Table 1 below summarizes the speed-count data.

TABLE 1
SPEED SURVEY SUMMARY
NELLIE GAIL ROAD, FROM OSO PARKWAY TO MOULTON PARKWAY

Speed-Count Summary	South of Oso Parkway	East of Moulton Parkway
85 th Percentile Speed	39 MPH	36 MPH
50 th Percentile Speed	33 MPH	30 MPH
15 th Percentile Speed	27 MPH	22 MPH
Percent Above 35 MPH	36%	20%
Average Daily Traffic (ADT)	2,516 vehicles	1,249 vehicles

Source: Hartzog & Crabill, Inc., 2018.

As shown above, the 85th percentile speed on Nellie Gail Road was recorded at 39 MPH near Oso Parkway and at 36 MPH near Moulton Parkway. This data shows that higher travel speeds are occurring along this entire project segment but are mainly inconsistent with the posted speed limit near Oso Parkway. The speed-count survey data is attached to this letter.

In an effort to lower overall speeds, the City may want to consider taking an incremental approach that may include the following:

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

TRAFFIC VOLUME DATA

Traffic counts were also gathered at the same two locations where the speed data was collected to assess if traffic volumes have increased on this segment of Nellie Gail Road. The traffic volume data was also collected on Thursday, March 29, 2018. The traffic counts showed that 24-hour two-way traffic volumes at the westerly (Moulton Parkway) and northerly (Oso Parkway) locations are 1,249 and 2,516 vehicles, respectively. The traffic counts are shown in the attached speed-count data.

Mr. Kenneth H. Rosenfield, PE
 May 9, 2018
 Page 3 of 5

TRAFFIC VOLUME DATA *(continued)*

Table 2 below presents historical as well as the most recent traffic volumes on Nellie Gail Road.

TABLE 2
HISTORICAL TRAFFIC VOLUMES
NELLIE GAIL ROAD, FROM OSO PARKWAY TO MOULTON PARKWAY

YEAR	24-HOUR VOLUMES
2005	2,800
2007	2,900
2009	2,500
2011	2,700
2013	2,300
2015	2,100
2017	2,500
March 29, 2018 (2 Locations)	1,249 (W-Location); 2,516 (N-Location)

The above data shows that during the past 13 years (2005 to 2018), traffic volumes range from a low of 2,100 vehicles per day to a high of 2,900 vehicles per day. The recent data shows traffic volumes are within the average of the historical range.

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.

Consequently, since there is not a significant change in recent traffic volumes, there are no other recommendations regarding traffic volume data to provide at this time.

COLLISION DATA

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 Nellie Gail Road.

Table 3 (next page) presents the summary collision data.

Mr. Kenneth H. Rosenfield, PE
 May 9, 2018
 Page 4 of 5

COLLISION DATA *(continued)*

TABLE 3
TRAFFIC COLLISION DATA SUMMARY
NELLIE GAIL ROAD, FROM OSO PARKWAY TO MOULTON PARKWAY

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

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

As shown above, there have been a total of five (5) collisions reported within the last (5) years.

The primary collision factor categories are as follows:

Improper Turning
3

Traffic Signals & Signs
1

Unknown
1

As such, there were no collisions determined as ‘speed-related’. Consequently, there are no other recommendations regarding collision data at this time. The comprehensive 5-year segment collision history report is attached to this letter.

CUT-THROUGH TRAFFIC

An Origin and Destination (O&D) study (i.e., license plate survey) was conducted on Thursday, March 29, 2018 during the AM and PM peak periods (7-9am and 4-6pm) to quantify the amount of traffic that are likely using Nellie Gail Road as a short-cut. The study collected license plate numbers for all vehicles entering and exiting Nellie Gail Road at the project limits of Moulton Parkway and at Oso Parkway in a 5-minute interval basis.

Additionally, the study documented from which direction the vehicle is coming in from and out to in order to determine if the vehicle is continuing a natural travel path or is actually cutting through the neighborhood.

Table 4 (next page) shows a summary of the license plate matches recorded per each peak hour.

Mr. Kenneth H. Rosenfield, PE
 May 9, 2018
 Page 5 of 5

CUT-THROUGH TRAFFIC (continued)

TABLE 4
ORIGIN-DESTINATION LICENSE PLATE MATCHES
NELLIE GAIL ROAD, FROM OSO PARKWAY TO MOULTON PARKWAY

	Hourly Summary		
	1 to 2	2 to 1	Totals
7:00:00 AM	0	0	0
8:00:00 AM	2	2	4
4:00:00 PM	8	2	10
5:00:00 PM	1	2	3
	11	6	17

The numbers (1 to 2 & 2 to 1) in Table 4 refer to vehicles entering from and exiting to as follows:

Location 1 (Nellie Gail Road at Moulton Parkway)

Location 2 (Nellie Gail Road at Oso Parkway)

The overall Origin-Destination Study spreadsheet is attached to this letter.

Per the speed-count data, the hourly traffic volumes for these same peak hours are as follows:

<u>Hour</u>	<u>Traffic Volume</u>	<u>Cut-Thru</u>	<u>Cut-Thru/Volume</u>
7-8 AM	123	0	0%
8-9 AM	168	4	3%
4-5 PM	199	10	5%
5-6 PM	186	3	2%

As shown above, the actual hourly percentages are low for what may be considered 'cut-through' traffic. Consequently, there are no recommendations regarding 'cut-through' traffic at this time.

SUMMARY

In summary, the traffic data on Nellie Gail Road results in the following:

- ✓ traffic speeds are considerably higher than the 25 MPH posted speed limit;
- ✓ traffic volumes to be consistent with historic count data, and well-below the traffic carrying capacity of the roadway;
- ✓ there is no traffic collision history related to traffic speeds; and,
- ✓ 'cut-through' traffic is low.

Mr. Kenneth H. Rosenfield, PE
May 9, 2018
Page 6 of 5

RECOMMENDATIONS

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.
- semi-permanent radar speed sign installations.
- 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, collisions, and cut-through traffic on Nellie Gail Road, between Oso Parkway and Moulton Parkway. 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: Speed-Count Data
 Collision History Data
 Origin-Destination Study

Speed-Count Data

SPEED

Nellie Gail Rd E/O Lost Colt Dr

4.2.b

Day: Thursday

Date: 3/29/2018

City: Laguna Hills

Project #: CA18_1062_001

Summary

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
00:00 AM	1	1	1	1	1	0	0	0	0	0	0	0	0	5
01:00	0	0	2	0	0	0	0	0	0	0	0	0	0	2
02:00	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	1
04:00	0	1	1	0	0	0	0	0	0	0	0	0	0	2
05:00	0	0	0	2	1	0	0	0	0	0	0	0	0	3
06:00	0	5	4	14	11	6	1	1	0	0	0	0	0	42
07:00	0	4	5	13	18	14	4	0	0	0	0	0	0	58
08:00	1	11	6	19	21	16	3	0	0	0	0	0	0	77
09:00	2	4	14	20	17	17	3	0	0	0	0	0	0	77
10:00	1	3	15	17	30	10	5	0	0	0	0	0	0	81
11:00	3	11	11	20	30	12	2	0	0	0	0	0	0	89
12:00 PM	1	7	14	26	34	16	0	2	0	0	0	0	0	100
13:00	3	11	11	24	28	13	2	1	0	0	0	0	0	93
14:00	0	6	7	26	35	16	1	1	0	0	0	0	0	92
15:00	2	11	11	25	31	15	0	0	0	0	0	0	0	95
16:00	0	8	9	19	22	15	0	0	0	0	0	0	0	73
17:00	0	10	9	18	35	18	4	0	0	0	0	0	0	94
18:00	2	7	12	19	36	16	0	0	0	0	0	0	0	92
19:00	1	4	9	25	14	8	1	0	1	0	0	0	0	63
20:00	0	2	9	10	11	11	3	0	0	0	0	0	0	46
21:00	1	2	3	10	7	2	1	0	1	0	0	0	0	27
22:00	0	6	2	4	8	4	1	0	0	0	0	0	0	25
23:00	0	0	2	5	3	0	1	0	0	0	0	0	0	11
Totals	18	115	158	317	393	209	32	5	2					1249
% of Totals	1%	9%	13%	25%	31%	17%	3%	0%	0%					100%

AM Volumes	8	41	60	106	129	75	18	1	0	0	0	0	0	438
% AM	1%	3%	5%	8%	10%	6%	1%	0%						35%
AM Peak Hour	11:00	08:00	10:00	09:00	10:00	09:00	10:00	06:00						11:00
Volume	3	11	15	20	30	17	5	1						89
PM Volumes	10	74	98	211	264	134	14	4	2	0	0	0	0	811
% PM	1%	6%	8%	17%	21%	11%	1%	0%	0%					65%
PM Peak Hour	13:00	13:00	12:00	12:00	18:00	17:00	17:00	12:00	19:00					12:00
Volume	3	11	14	26	36	18	4	2	1					100
Directional Peak Periods All Speeds			AM 7-9			NOON 12-2			PM 4-6			Off Peak Volumes		
			Volume		%	Volume		%	Volume		%	Volume		%
			135	↔	11%	193	↔	15%	167	↔	13%	754	↔	60%

Street Name	Direction	Percentiles					
		15th	50th	Average	85th	95th	ADT
Nellie Gail Rd	Summary	22	30	29	36	39	1

SPEED

Nellie Gail Rd S/O Oso Pkwy

4.2.b

Day: Thursday

Date: 3/29/2018

City: Laguna Hills

Project #: CA18_1062_002

Summary

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
00:00 AM	0	0	0	4	3	2	1	0	0	0	0	0	0	10
01:00	2	0	1	1	2	1	0	0	0	0	0	0	0	7
02:00	0	0	0	1	0	0	0	0	0	0	0	0	0	1
03:00	0	1	0	2	0	0	1	0	0	0	0	0	0	4
04:00	0	1	0	2	2	1	1	0	0	0	0	0	0	7
05:00	0	0	0	2	5	4	2	2	0	0	0	0	0	15
06:00	0	1	2	10	32	17	10	1	0	0	0	0	0	73
07:00	0	2	1	9	52	41	15	3	0	0	0	0	0	123
08:00	0	0	10	30	67	51	9	1	0	0	0	0	0	168
09:00	2	1	4	29	49	41	3	1	1	0	0	0	0	131
10:00	1	4	11	26	43	38	14	1	0	0	0	0	0	138
11:00	0	1	7	24	61	51	13	2	1	0	0	0	0	160
12:00 PM	0	3	16	24	62	41	12	1	1	0	0	0	0	160
13:00	2	2	9	46	72	50	5	3	0	0	0	0	0	189
14:00	1	0	9	38	65	49	16	3	0	0	0	0	0	181
15:00	3	3	18	42	83	47	17	1	0	0	0	0	0	214
16:00	2	2	12	39	75	53	16	0	0	0	0	0	0	199
17:00	1	4	11	32	66	52	16	3	1	0	0	0	0	186
18:00	0	1	10	42	80	61	17	4	0	0	0	0	0	215
19:00	0	1	6	26	52	37	7	4	0	1	0	0	0	134
20:00	0	0	6	14	33	19	8	3	0	0	0	0	0	83
21:00	0	1	2	14	31	14	6	2	0	0	0	0	0	70
22:00	0	1	3	11	5	11	3	1	0	0	0	0	0	35
23:00	0	0	0	3	4	5	1	0	0	0	0	0	0	13
Totals	14	29	138	471	944	686	193	36	4	1				2516
% of Totals	1%	1%	5%	19%	38%	27%	8%	1%	0%	0%				100%

AM Volumes	5	11	36	140	316	247	69	11	2	0	0	0	0	837
% AM	0%	0%	1%	6%	13%	10%	3%	0%	0%					33%
AM Peak Hour	01:00	10:00	10:00	08:00	08:00	08:00	07:00	07:00	09:00					08:00
Volume	2	4	11	30	67	51	15	3	1					168
PM Volumes	9	18	102	331	628	439	124	25	2	1	0	0	0	1679
% PM	0%	1%	4%	13%	25%	17%	5%	1%	0%	0%				67%
PM Peak Hour	15:00	17:00	15:00	13:00	15:00	18:00	15:00	18:00	12:00	19:00				18:00
Volume	3	4	18	46	83	61	17	4	1	1				215
Directional Peak Periods All Speeds			AM 7-9			NOON 12-2			PM 4-6			Off Peak Volumes		
			Volume		%	Volume		%	Volume		%	Volume		%
			291	↔	12%	349	↔	14%	385	↔	15%	1491	↔	59%

Street Name	Direction	Percentiles					
		15th	50th	Average	85th	95th	ADT
Nellie Gail Rd	Summary	27	33	33	39	43	25

Collision History Data

CITY OF LAGUNA HILLS
SWITRS COLLISION DATABASE
NELLIE GAIL ROAD, FROM OSO PARKWAY TO MOULTON PARKWAY
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	ROAD SURF.
6605740	20140806	1830	NELLIE GAIL RD	OSO PKWY	0		Y	A	0	A	12	21453	N	D	C	A
7014602	20150723	1310	NELLIE GAIL	OSO PKWY	0		Y	A	0	A	8	22107	M	A	C	A
7138483	20151202	1300	NELLIE GAIL RD	MOULTON PKWY	0		Y	A	3	D	0		N	G	B	A
8100329	20160802	1425	NELLIE GAIL RD	RED LODGE	186	E	N	A	0	A	8	22107	N	E	I	A
8207346	20161227	1357	NELLIE GAIL RD	EMPTY SADDLE DR	28	N	N	A	2	A	8	22107	F	G	B	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

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

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

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

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

Attachment: Nellie Gail Road Analysis (1567 : Traffic Conditions on Nellie Gail Road Between Oso

Origin-Destination Study Data

Prepared by Nation Data & Surveying Services
Origin and Destination Study

Project: 18-1063
City: Laguna Hills, CA

Day: Thursday
Date: 3/29/2018

	Movement From Location 1 to 2					
	Enter Location 1			Exit Location 2		
	NR	SL	ET	NT	NR	NL
7:00:00 AM						
7:05:00 AM						
7:10:00 AM						
7:15:00 AM						
7:20:00 AM						
7:25:00 AM						
7:30:00 AM						
7:35:00 AM						
7:40:00 AM						
7:45:00 AM						
7:50:00 AM						
7:55:00 AM						
8:00:00 AM						
8:05:00 AM	1			1		
8:10:00 AM						
8:15:00 AM						
8:20:00 AM						
8:25:00 AM						
8:30:00 AM						
8:35:00 AM						
8:40:00 AM		1			1	
8:45:00 AM						
8:50:00 AM						
8:55:00 AM						
4:00:00 PM	1				1	
4:05:00 PM			1			1
4:10:00 PM						
4:15:00 PM						
4:20:00 PM						
4:25:00 PM		2			2	
4:30:00 PM						
4:35:00 PM	1	1				2
4:40:00 PM						
4:45:00 PM			1		1	
4:50:00 PM						
4:55:00 PM	1				1	
5:00:00 PM						
5:05:00 PM						
5:10:00 PM	1				1	
5:15:00 PM						
5:20:00 PM						
5:25:00 PM						
5:30:00 PM						
5:35:00 PM						
5:40:00 PM						
5:45:00 PM						
5:50:00 PM						
5:55:00 PM						

	Movement From Location 2 to 1					
	Enter Location 2			Exit Location 1		
	ER	WL	ST	WT	WL	WR
7:00:00 AM						
7:05:00 AM						
7:10:00 AM						
7:15:00 AM						
7:20:00 AM						
7:25:00 AM						
7:30:00 AM						
7:35:00 AM						
7:40:00 AM						
7:45:00 AM						
7:50:00 AM						
7:55:00 AM						
8:00:00 AM						
8:05:00 AM						
8:10:00 AM						
8:15:00 AM						
8:20:00 AM		1			1	
8:25:00 AM						
8:30:00 AM						
8:35:00 AM						
8:40:00 AM						
8:45:00 AM						
8:50:00 AM			1		1	
8:55:00 AM						
4:00:00 PM						
4:05:00 PM						
4:10:00 PM						
4:15:00 PM						
4:20:00 PM						
4:25:00 PM						
4:30:00 PM						
4:35:00 PM	1					1
4:40:00 PM						
4:45:00 PM			1			1
4:50:00 PM						
4:55:00 PM						
5:00:00 PM						
5:05:00 PM	1				1	
5:10:00 PM						
5:15:00 PM						
5:20:00 PM						
5:25:00 PM						
5:30:00 PM						
5:35:00 PM						
5:40:00 PM						
5:45:00 PM		1				1
5:50:00 PM						
5:55:00 PM						

	Hourly Summary		
	1 to 2	2 to 1	Totals
7:00:00 AM	0	0	0
8:00:00 AM	2	2	4
4:00:00 AM	8	2	10
5:00:00 AM	1	2	3
	11	6	17



City of Laguna Hills

Traffic Commission

Staff Report

DATE: May 16, 2018
TO: Traffic Commissioners
FROM: Kenneth H. Rosenfield P.E.
Assistant City Manager/Director of Public Services
ISSUE: Confirmation of No Parking Zones on La Cadena Drive Between Verdugo Drive and Peralta Drive

RECOMMENDATION: That the Traffic Commission Recommend 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.

SUMMARY:

During a field review of parking control signage on La Cadena Drive, staff determined that 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 is appropriate to confirm all of the parking controls along this street segment.

BACKGROUND:

La Cadena Drive is a two-lane commercial access street within the Mixed Use Zone of business developments. The street is accessed by multiple driveways and is signed with a variety of parking controls to improve site distance visibility at these driveway access locations. During a field review of parking control signage on La Cadena Drive, staff determined signage for a no parking zone westerly of Del Lago Drive was unclear as to the beginning and ending limits.

Confirmation of No Parking Zones on La Cadena Drive

May 16, 2018

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During this review, it also appeared to staff that it was the original intention of the No Parking Zones westerly of Del Lago Drive to include this entire section. However, the governing documents for the parking controls on La Cadena Drive between Verdugo Drive and Peralta Drive pre-date the City's annexation of the area and this expectation could not be confirmed. Therefore, it is appropriate to confirm all of the No Parking Zones in this street segment which exist to improve site distance visibility upon exiting driveways. Please see the attached vicinity map for a location of the No Parking Zones as more particularly described below:

Westbound La Cadena Drive as measured from Peralta Drive

<u>From</u>	<u>To</u>	<u>Distance</u>
0'	370'	370'

Westbound La Cadena Drive as measured from Del Lago Drive

<u>From</u>	<u>To</u>	<u>Distance</u>
60'	325'	265'

Eastbound La Cadena Drive as measured from Verdugo Drive

<u>From</u>	<u>To</u>	<u>Distance</u>
70'	160'	90'
455'	650'	195'

Eastbound La Cadena Drive as measured from Del Lago Drive

<u>From</u>	<u>To</u>	<u>Distance</u>
180'	460'	280'

Confirmation of No Parking Zones on La Cadena Drive

May 16, 2018

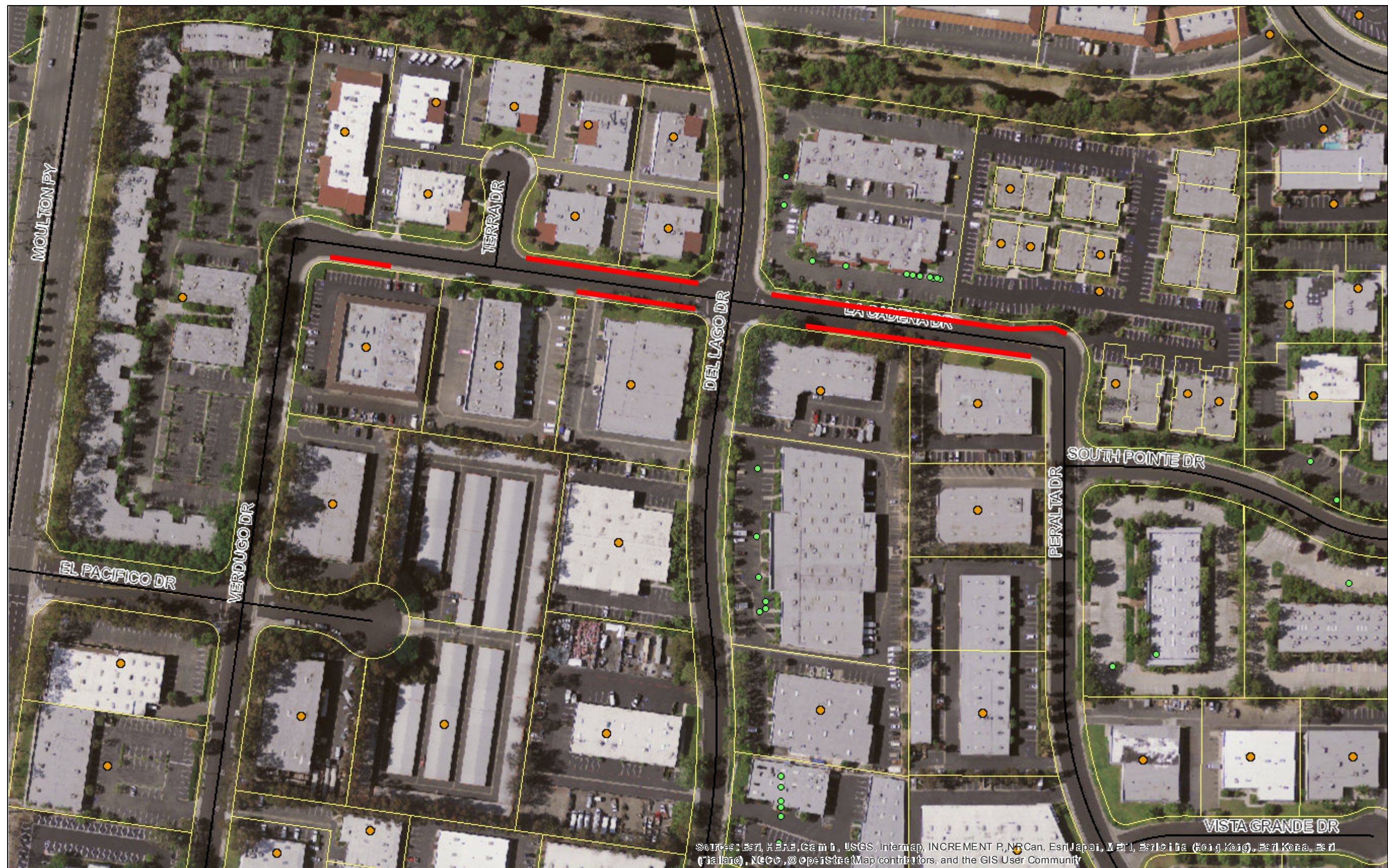
Page 3

FISCAL IMPACT:

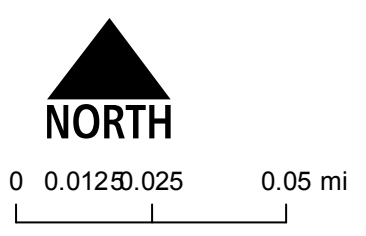
All of the no parking signs on La Cadena Drive are currently in place except for one sign to be added as discussed above. The installation of one “No Parking Anytime” sign has an anticipated cost of \$150. Funds are available for this work in the 2017-18 Fiscal Year Public Works Maintenance Budget.

ATTACHMENTS:

- Vicinity Map - La Cadena Drive



Attachment: Vicinity Map - La Cadena Drive (1568 : Confirmation of No Parking Zones on La Cadena Drive)



VICINITY MAP - LA CADENA DRIVE





City of Laguna Hills

Traffic Commission

Staff Report

DATE: May 16, 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:

- May 2018 Radar Trailer Calendar

CITY OF LAGUNA HILLS

MAY 2018

RADAR TRAILER SCHEDULE (RAINY DAYS EXCLUDED)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
6	7	8 Hidden Trail Across from 27783 25 MPH	9 Woodbluff W/O Middleridge 25 MPH	10 Bridlewood S/O Laurel Crest 25 MPH	11	12
13	14	15	16	17	18	19
20	21	22 Mustang W/O Appaloosa 25 MPH	23 Rapid Falls W/O Sundowner 25 MPH	24 Nellie Gail E/O Desert Trail 25 MPH	25	26
27	28 HOLIDAY	29	30	31		

Attachment: May 2018 Radar Trailer Calendar (1569 : Radar Speed Trailer)

CITY OF LAGUNA HILLS

JUNE 2018

RADAR TRAILER SCHEDULE (RAINY DAYS EXCLUDED)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
3	4	5 Nellie Gail E/O Empty Saddle 25 MPH	6 Bridlewood S/O Laurel Crest 25 MPH	7 Grissom E/O De Salle 25 MPH W/B Traffic	8	9
10	11	12	13	14	15	16
17	18	19 Rapid Falls W/O Sundowner 25 MPH	20 Lost Colt W/B Mid-block 25 MPH	21 Woodbluff W/O Middleridge 25 MPH	22	23
24	25	26	27	28	29	30

Attachment: May 2018 Radar Trailer Calendar (1569 : Radar Speed Trailer)

CITY OF LAGUNA HILLS

JULY 2018

RADAR TRAILER SCHEDULE (RAINY DAYS EXCLUDED)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3 Rapid Falls S/O Sundowner 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 Lost Colt E/O Beargrass 25 MPH	18 Bridlewood S/O Laurel Crest 25 MPH	19 Rapid Falls W/O Sundowner 25 MPH	20	21
22	23	24	25	26	27	28
29	30	31				

Attachment: May 2018 Radar Trailer Calendar (1569 : Radar Speed Trailer)