



**CITY OF LAGUNA HILLS
TRAFFIC COMMISSION
REGULAR MEETING AGENDA
JULY 16, 2014
7:00 PM**

Donald Froelich – Chair

Michael Caputo – Vice Chair

Steven Beeuwsaert - Commissioner

Rick Frazier - Commissioner

Ed Rowe - Commissioner

Location: City Council Chamber, 24035 El Toro Road, Laguna Hills, California 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.

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**3. PRESENTATIONS****4. ADMINISTRATIVE REPORTS**

4.1 OSO PARKWAY AT NELLIE GAIL ROAD TRAFFIC STUDY

5. INFORMATIONAL ITEMS

5.1 MEASURE M2-SEVEN YEAR CAPITAL IMPROVEMENT PLAN

5.2 LOCAL SIGNAL SYNCHRONIZATION PLAN

5.3 SHERIFF'S DEPARTMENT VERBAL REPORT

5.4 RADAR SPEED TRAILER

6. COMMISSIONER COMMENTS**7. ADJOURNMENT**

The next Regular Meeting of the Traffic Commission will be September 17, 2014, at 7:00 PM, in the City Council Chamber, located at 24035 El Toro Road, Laguna Hills, California.

CERTIFICATION

I, HUMZA JAVED, Traffic Engineer 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 7/11/14, at 5:00 PM.



HUMZA JAVED
ASSOCIATE CIVIL ENGINEER

7/11/14

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, CALIFORNIA
TRAFFIC COMMISSION MEETING
MINUTES
MAY 21, 2014**

CALL TO ORDER

The regular Meeting of the Traffic Commission of the City of Laguna Hills, California, was called to order by Chair Donald Froelich at 7:02 p.m. in the Laguna Hills City Council Chamber, 24035 El Toro Road, Laguna Hills

PLEDGE OF ALLEGIANCE: Chair Donald Froelich

ROLL CALL OF COMMISSION MEMBERS

Present: Chair Donald Froelich, Vice Chair Michael Caputo, Commissioner Beeuwsaert, Commissioner Frazier

Absent: Commissioner Rowe

1. PUBLIC COMMENTS

There were no Public Comments

2. MINUTES

THE TRAFFIC COMMISSION APPROVED THE MINUTES OF THE MARCH 19, 2014, REGULAR MEETING, BY M/VICE CHAIR CAPUTO, S/COMMISSIONER BEEUWSAERT

Approved by a vote of 4-0 (Commissioner Rowe Absent)

3. PRESENTATIONS

None

4. ADMINISTRATIVE REPORTS

4.1 CITY WIDE ENGINEERING AND TRAFFIC SURVEY FOR SPEED LIMITS

Humza Javed, Associate Civil Engineer, indicated that this item was brought at the March 19, 2014 meeting where Mr. Jerry Stock, from Hartzog and Crabill, Inc.,

provided a presentation on this item. A copy of the survey was given to all Commissioners for review and comment. This document had no specific speed limit changes throughout the city and only a few minor changes which included one sign removal and an addition of a Residence District sign on Nellie Gail Road from Cabot Road to Gallup Circle.

THAT THE TRAFFIC COMMISSION RECOMMEND TO THE CITY COUNCIL THE APPROVAL OF THE ENGINEERING AND TRAFFIC SURVEY FOR SPEED LIMITS

Approved by a vote of 4-0 (Commissioner Rowe Absent)

4.2 SIGHT DISTANCE ANALYSIS AT EL TORO ROAD AND AVENIDA DE LA CARLOTA

Humza Javed, Associate Civil Engineer, indicated that staff had received a complaint from a motorist regarding the northbound Avenida de La Carlota through traffic being in potential conflict with westerly bound El Toro Road traffic turning right on red to go northerly on Avenida De La Carlota. The motorist's concern was that the west bound right turning traffic on El Toro Road going on Avenida de La Carlota cannot discern the lane shift of the northbound traffic coming along Avenida de La Carlota. An intersection analysis was performed as well as an accident history review and sight distance analysis. There have been only five accidents at the intersection within the most recent two year time frame. This information was found in the Statewide Integrated Traffic Records System (SWITRS) for the date range of January 1, 2010 – December 31, 2012. This data did not confirm any accidents or patterns occurring between the northbound through versus westbound right turn movement. Visual observations were performed and no issues with traffic movement were found.

THAT THE TRAFFIC COMMISSION RECEIVE AND FILE THIS REPORT

Approved by a vote of 4-0 (Commissioner Rowe Absent)

5. INFORMATIONAL ITEMS

5.1 SHERIFF'S DEPARTMENT VERBAL REPORT

Staff not available

5.2 RADAR SPEED TRAILER

Staff submitted the schedule for the radar trailer

6. COMMISSIONER COMMENTS

Rick Frazier, Commissioner, inquired about the 4th of July traffic control.

Michael Caputo, Vice Chair, inquired about the sewage spill on La Paz and Moulton.

Michael Caputo, Vice Chair, inquired about the limited sight distance at the west entrance of the Moulton and La Paz Shopping Center.

Donald Froelich, Chair, inquired about the development of capital improvement budget programs for next year.

Rick Frasier, Commissioner, would like the Sheriff Department to provide traffic enforcement as the schools resume.

Humza Javed, Associate Civil Engineer, provided an update on Orange County Transportation Authority's Environmental Cleanup Grant Program.

7. ADJOURNMENT

There being no further business before the Traffic Commission at this session, Chair Froelich declared the meeting adjourned at 7:21 p.m. to the meeting of May 21, 2014

Prepared by:

Humza Javed, P.E.
Associate Civil Engineer

Approved By:

Donald Froelich
Chair



City of Laguna Hills Traffic Commission Staff Report

DATE: 07/16/14

TO: TRAFFIC COMMISSIONERS

FROM: HUMZA JAVED, P.E.
ASSOCIATE CIVIL ENGINEER

ISSUE: OSO PARKWAY AT NELLIE GAIL ROAD TRAFFIC STUDY

RECOMMENDATION: THAT THE TRAFFIC COMMISSION RECEIVE AND FILE THIS REPORT.

SUMMARY:

City Staff was contacted by a motorist about signal timing at the intersection of Oso Parkway and Nellie Gail Road. Subsequently, City Staff contracted the services of its consulting Traffic Engineers to perform an evaluation. Accident history, signal timing and traffic control was reviewed. Based on the analysis no traffic safety concerns were identified but slight modifications to signal timing were implemented to improve traffic operations. It is recommended that the Traffic Commission receive and file this report.

BACKGROUND:

Recently, City Staff was contacted by a motorist regarding signal timing at the intersection of Oso Parkway and Nellie Gail Road. The motorist also expressed concern about traffic collisions and the extended wait periods for motorists on both Nellie Gail Road and Bridlewood Drive trying to go through or left at signalized intersections with Oso Parkway.

In response to the motorists' concern, Staff contracted the services of the Traffic Engineer's at Hartzog & Crabill, Inc. (HCI), to perform an accident history, traffic control and signal timing evaluation at the intersection.

Oso Parkway is a 6-lane (3 lanes in each direction) east-west arterial roadway with bike lanes and single left-turn lanes, separated by a landscaped raised center median island. Oso Parkway has a 50 MPH posted speed limit. Nellie Gail Road is a 2-lane north-south residential collector roadway with single left-turn lanes, separated by a landscaped raised center median island. Nellie Gail Road has a 25 MPH speed limit.

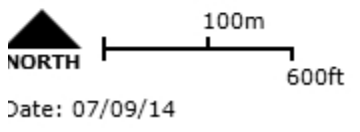
The 2 year traffic collision history was obtained using CHP-State Wide Integrated Traffic Reporting System (CHP-SWITRS) intersection collision history. Only two collisions were reported in 2012. Moreover, the latest collision data from 2013 was obtained from the Orange County Sheriff Department. The OCSD data revealed one additional (rear-end) collision in 2013. Based on the results, the traffic collision data does not reveal any significant issues at the intersection:

<u>YEAR</u>	<u># OF COLLISIONS</u>	<u>DESCRIPTION</u>
2014	0	None reported to OCSD.
2013	1	Rear-End (625' W/o intersection).
2012	2	Head-On (EB straight vs. WL); & Rear-End (42' s/o inters.).

At the subject intersection, the traffic signal currently operates as a 5-phase intersection with protected left-turn phasing on Oso Parkway and permissive left-turn phasing on Nellie Gail Road. There are four marked white crosswalks; one across each leg of the intersection. Oso Parkway has recently been re-timed as part of an Orange County Transportation Authority (OCTA) traffic signal synchronization corridor project. The signal timing was reviewed via the Centrac's traffic signal management system, and appears to be operating as intended. The intersection is currently coordinated on a 130-second cycle length during 7:00-8:30am and 4:30-6:00pm peak periods (Monday-Friday). Under coordinated conditions, it can be expected that side-street traffic is required to wait longer for Oso Parkway to time-out before receiving their green. The delay to the side-street is dependent on what exact time a vehicle arrives during each cycle. The current coordination time periods do not appear excessive at peak-periods. During the rest of the day, the intersection operates under free timing parameters which serve the side-street more quickly. Since receiving the complaint, the City was able to adjust the signal timing to reduce side street demand. Similar adjustments will be performed at the Oso Parkway and Bridlewood intersection, as well.

ATTACHMENT:

- Vicinity Map



Date: 07/09/14

VICINITY MAP



Measure M

Seven Year Capital Improvement Program (Sorted by Project Name)
Fiscal Years 2014/2015 through 2020/2021

Agency: Laguna Hills
Project Name: Annual Street Maintenance FY 14-15
Project Limits: Citywide street maintenance pursuant to the Pavement Management Plan.
Project Number: n/a
Type of Work: Road Maintenance
Additional TOW: Rehabilitation of roadway
Project Description: Bi-annual roadway maintenance program.

FUND NAME	PERCENT	ESTIMATED COST	PROJECTED COST	NOTES
Gas Tax	100.00	\$2,000,000	\$2,000,000	
		\$2,000,000	\$2,000,000	

Project Phase	14/15	15/16	16/17	17/18	18/19	19/20	20/21	Estimated Cost	Projected Cost
E	\$100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$100,000	\$100,000
R	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C/I	\$1,900,000	\$0	\$0	\$0	\$0	\$0	\$0	\$1,900,000	\$1,900,000
O&M	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$2,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$2,000,000	\$2,000,000

Agency: Laguna Hills
Project Name: Annual Street Maintenance FY 16-17
Project Limits: Citywide street maintenance pursuant to the Pavement Management Plan.
Project Number: n/a
Type of Work: Road Maintenance
Additional TOW: Rehabilitation of roadway
Project Description: Bi-annual roadway maintenance program.

FUND NAME	PERCENT	ESTIMATED COST	PROJECTED COST	NOTES
Gas Tax	100.00	\$1,882,579	\$1,882,579	
		\$1,882,579	\$1,882,579	

Project Phase	14/15	15/16	16/17	17/18	18/19	19/20	20/21	Estimated Cost	Projected Cost
E	\$0	\$0	\$100,000	\$0	\$0	\$0	\$0	\$100,000	\$100,000
R	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C/I	\$0	\$0	\$1,700,000	\$0	\$0	\$0	\$0	\$1,700,000	\$1,782,579
O&M	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$1,800,000	\$0	\$0	\$0	\$0	\$1,800,000	\$1,882,579

Seven Year Capital Improvement Program (Sorted by Project Name)
Fiscal Years 2014/2015 through 2020/2021

Agency: Laguna Hills
Project Name: Annual Street Maintenance FY 18-19
Project Limits: Citywide street maintenance pursuant to the Pavement Management Plan
Project Number: n/a
Type of Work: Road Maintenance
Additional TOW: Rehabilitation of roadway
Project Description: Bi-annual roadway maintenance program

FUND NAME	PERCENT	ESTIMATED COST	PROJECTED COST	NOTES
Gas Tax	100.00	\$1,900,000	\$2,079,121	
		\$1,900,000	\$2,079,121	

Project Phase	14/15	15/16	16/17	17/18	18/19	19/20	20/21	Estimated Cost	Projected Cost
E	\$0	\$0	\$0	\$0	\$100,000	\$0	\$0	\$100,000	\$100,000
R	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C/I	\$0	\$0	\$0	\$0	\$1,800,000	\$0	\$0	\$1,800,000	\$1,979,121
O&M	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$1,900,000	\$0	\$0	\$1,900,000	\$ 2,079,121

Agency: Laguna Hills
Project Name: Avenida de la Carlota Pavement Rehab
Project Limits: Avenida de la Carlota from El Toro Road to Los Alisos Blvd.
Project Number:
Type of Work: Road Maintenance
Additional TOW: Rehabilitation of roadway
Project Description: Pavement Rehab

FUND NAME	PERCENT	ESTIMATED COST	PROJECTED COST	NOTES
Unfunded	100.00	\$825,000	\$943,514	
		\$825,000	\$943,514	

Project Phase	14/15	15/16	16/17	17/18	18/19	19/20	20/21	Estimated Cost	Projected Cost
E	\$0	\$0	\$0	\$0	\$0	\$0	\$50,000	\$50,000	\$50,000
R	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C/I	\$0	\$0	\$0	\$0	\$0	\$0	\$775,000	\$775,000	\$893,514
O&M	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$825,000	\$825,000	\$ 943,514

Measure M

Seven Year Capital Improvement Program (Sorted by Project Name)
Fiscal Years 2014/2015 through 2020/2021

Agency: Laguna Hills
 Project Name: Bridge Seal Coat - Laguna Hills Drive at Aliso Creek
 Project Limits: Laguna Hills Drive east of Moulton Parkway at Aliso Creek
 Project Number:

Type of Work: Road Maintenance

Additional TOW: Rehabilitation of roadway

Project Description: Sealing of bridge deck with methylcrlylate to fill cracks in the concrete surface to reduce water intrusion to rebar and to rehabilitate the bridge joints as recommended by a Caltrans Bridge Inspection Report.

FUND NAME	PERCENT	ESTIMATED COST	PROJECTED COST	NOTES
General Fund	100.00	\$50,000	\$50,000	
		\$50,000	\$50,000	

Project Phase	14/15	15/16	16/17	17/18	18/19	19/20	20/21	Estimated Cost	Projected Cost
E	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
R	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C/I	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$50,000	\$50,000
O&M	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$50,000	\$ 50,000

Agency: Laguna Hills
 Project Name: Cabot Road Bioswale project
 Project Limits: Cabot Road e/s 500' n/o Paseo De Valencia
 Project Number: 14-LHLL-ECP-3733
 Type of Work: Environmental Cleanup
 Additional TOW: Bioswales and Bioretention systems
 Project Description: Construction to bioswales to reduce pollutant loads from urban runoff

FUND NAME	PERCENT	ESTIMATED COST	PROJECTED COST	NOTES
General Fund	30.00	\$75,300	\$76,963	
M2 ECP Tier II	70.00	\$175,700	\$179,581	
		\$251,000	\$256,544	

Project Phase	14/15	15/16	16/17	17/18	18/19	19/20	20/21	Estimated Cost	Projected Cost
E	\$20,000	\$0	\$0	\$0	\$0	\$0	\$0	\$20,000	\$20,000
R	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C/I	\$0	\$231,000	\$0	\$0	\$0	\$0	\$0	\$231,000	\$236,544
O&M	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$20,000	\$231,000	\$0	\$0	\$0	\$0	\$0	\$251,000	\$ 256,544

Measure M

Seven Year Capital Improvement Program (Sorted by Project Name)
Fiscal Years 2014/2015 through 2020/2021

Agency: Laguna Hills
 Project Name: Cabot Road Pavement Rehabilitation
 Project Limits: Cabot Road south of Oso Parkway, and South of Rapid Falls Road within City limits
 Project Number:
 Type of Work: Road Maintenance
 Additional TOW: Rehabilitation of roadway
 Project Description: Pavement Rehab at two locations on Cabot Road

FUND NAME	PERCENT	ESTIMATED COST	PROJECTED COST	NOTES
Unfunded	100.00	\$925,000	\$1,060,336	
		\$925,000	\$1,060,336	

Project Phase	14/15	15/16	16/17	17/18	18/19	19/20	20/21	Estimated Cost	Projected Cost
E	\$0	\$0	\$0	\$0	\$0	\$0	\$40,000	\$40,000	\$40,000
R	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C/I	\$0	\$0	\$0	\$0	\$0	\$0	\$885,000	\$885,000	\$1,020,336
O&M	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$925,000	\$925,000	\$1,060,336

Agency: Laguna Hills
 Project Name: La Paz Road Sidewalk Widening
 Project Limits: N/S of La Paz Rd. from Paseo De Valencia to Grissom Rd., & s/s from Paseo De Valencia to Gambelain Rd.
 Project Number:
 Type of Work: Pedestrian
 Additional TOW: Reconstruction or rehabilitation of sidewalk
 Project Description: This project includes the construction of a standard width arterial highway sidewalk along the north and south side of La Paz Road. This is to improve pedestrian access along La Paz Road to ADA standards. CIP 171

FUND NAME	PERCENT	ESTIMATED COST	PROJECTED COST	NOTES
General Fund	11.48	\$62,000	\$64,451	
Unfunded	88.52	\$478,000	\$496,894	Anticipated ATP funding
		\$540,000	\$561,345	

Project Phase	14/15	15/16	16/17	17/18	18/19	19/20	20/21	Estimated Cost	Projected Cost
E	\$0	\$50,000	\$0	\$0	\$0	\$0	\$0	\$50,000	\$50,000
R	\$0	\$100,000	\$0	\$0	\$0	\$0	\$0	\$100,000	\$102,400
C/I	\$0	\$0	\$390,000	\$0	\$0	\$0	\$0	\$390,000	\$408,945
O&M	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$150,000	\$390,000	\$0	\$0	\$0	\$0	\$540,000	\$561,345

Measure M

Seven Year Capital Improvement Program (Sorted by Project Name)
Fiscal Years 2014/2015 through 2020/2021

Agency: Laguna Hills
 Project Name: La Paz Road Widening
 Project Limits: La Paz Road from McIntyre Street to Cabot Road
 Project Number:
 Type of Work: Road Widening
 Additional TOW: Add 1 lane to existing roadway in project limits
 Project Description: widening of easterly bound La Paz Road from McIntyre Street to Cabot Road to add a third through lane.

FUND NAME	PERCENT	ESTIMATED COST	PROJECTED COST	NOTES
Unfunded	100.00	\$1,450,000	\$1,656,444	
		\$1,450,000	\$1,656,444	

Project Phase	14/15	15/16	16/17	17/18	18/19	19/20	20/21	Estimated Cost	Projected Cost
E	\$0	\$0	\$0	\$0	\$0	\$0	\$100,000	\$100,000	\$100,000
R	\$0	\$0	\$0	\$0	\$0	\$0	\$600,000	\$600,000	\$691,753
C/I	\$0	\$0	\$0	\$0	\$0	\$0	\$750,000	\$750,000	\$864,691
O&M	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$1,450,000	\$1,450,000	\$1,656,444

Agency: Laguna Hills
 Project Name: Laguna Hills Catch Basin Debris Gates
 Project Limits: City wide
 Project Number: 12-LHLL-ECP-3627
 Type of Work: Environmental Cleanup
 Additional TOW: Automatic Retractable Screen and other debris screens or inserts
 Project Description: Phase II - This is a storm water pollution mitigation project. It includes the installation of debris gates/screens throughout the City in accordance with the Environmental Cleanup Program (ECP).

FUND NAME	PERCENT	ESTIMATED COST	PROJECTED COST	NOTES
General Fund	100.00	\$17,500	\$17,500	
		\$17,500	\$17,500	

Project Phase	14/15	15/16	16/17	17/18	18/19	19/20	20/21	Estimated Cost	Projected Cost
E	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
R	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C/I	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
O&M	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$17,500	\$17,500
	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$17,500	\$17,500

Measure M

Seven Year Capital Improvement Program (Sorted by Project Name)
Fiscal Years 2014/2015 through 2020/2021

Agency: Laguna Hills

Project Name: Laguna Hills Debris Gates Phase III

Project Limits: City Wide

Project Number: 13-LHLL-ECP-3689

Type of Work: Environmental Cleanup

Additional TOW: Automatic Retractable Screen and other debris screens or inserts

Project Description: This is a storm water pollution mitigation project. It includes the installation of debris gates/screens throughout the City in accordance with the Environmental Cleanup Program (ECP).

FUND NAME	PERCENT	ESTIMATED COST	PROJECTED COST	NOTES
General Fund	100.00	\$17,500	\$17,500	
Other	0.00	\$0	\$0	
		\$17,500	\$17,500	

Project Phase	14/15	15/16	16/17	17/18	18/19	19/20	2021	Estimated Cost	Projected Cost
E	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
R	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C/I	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
O&M	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$17,500	\$17,500
	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$17,500	\$17,500

Agency: Laguna Hills

Project Name: Laguna Hills Debris Gates Project

Project Limits: Various

Project Number: 11-LHLL-ECP-3576

Type of Work: Environmental Cleanup

Additional TOW: Catchment Retrofit

Project Description: Phase I - This is a storm water pollution mitigation project. It includes the installation of debris gates/screens throughout the City in accordance with the Environmental Cleanup Program (ECP).

FUND NAME	PERCENT	ESTIMATED COST	PROJECTED COST	NOTES
General Fund	100.00	\$21,000	\$21,000	
		\$21,000	\$21,000	

Project Phase	14/15	15/16	16/17	17/18	18/19	19/20	2021	Estimated Cost	Projected Cost
E	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
R	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C/I	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
O&M	\$3,000	\$3,000	\$3,000	\$3,000	\$3,000	\$3,000	\$3,000	\$21,000	\$21,000
	\$3,000	\$3,000	\$3,000	\$3,000	\$3,000	\$3,000	\$3,000	\$21,000	\$21,000

Measure M

Seven Year Capital Improvement Program (Sorted by Project Name)
Fiscal Years 2014/2015 through 2020/2021

Agency: Laguna Hills
 Project Name: Lake Forest Drive Pavement Rehab
 Project Limits: Lake Forest Drive from east city limits to west city limits
 Project Number:
 Type of Work: Road Maintenance
 Additional TOW: Rehabilitation of roadway
 Project Description: Pavement Rehab, CIP 182

FUND NAME	PERCENT	ESTIMATED COST	PROJECTED COST	NOTES
Unfunded	100.00	\$1,200,000	\$1,372,037	
		\$1,200,000	\$1,372,037	

Project Phase	14/15	15/16	16/17	17/18	18/19	19/20	20/21	Estimated Cost	Projected Cost
E	\$0	\$0	\$0	\$0	\$0	\$0	\$75,000	\$75,000	\$75,000
R	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C/I	\$0	\$0	\$0	\$0	\$0	\$0	\$1,125,000	\$1,125,000	\$1,297,037
O&M	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$1,200,000	\$1,200,000	\$1,372,037

Agency: Laguna Hills
 Project Name: Los Alisos Pavement Rehabilitation
 Project Limits: Los Alisos Blvd. from Paseo De Valencia to I-5 (City boundary)
 Project Number:
 Type of Work: Road Maintenance
 Additional TOW: Rehabilitation of roadway
 Project Description: Pavement removal/rehabilitation including curb and gutter repairs, access ramp construction, asphalt concrete overlay, striping and traffic loops, etc.

FUND NAME	PERCENT	ESTIMATED COST	PROJECTED COST	NOTES
Unfunded	100.00	\$600,000	\$687,930	
		\$600,000	\$687,930	

Project Phase	14/15	15/16	16/17	17/18	18/19	19/20	20/21	Estimated Cost	Projected Cost
E	\$0	\$0	\$0	\$0	\$0	\$0	\$25,000	\$25,000	\$25,000
R	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C/I	\$0	\$0	\$0	\$0	\$0	\$0	\$575,000	\$575,000	\$662,930
O&M	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$600,000	\$600,000	\$687,930

Measure M

Seven Year Capital Improvement Program (Sorted by Project Name)
Fiscal Years 2014/2015 through 2020/2021

Agency: Laguna Hills
 Project Name: Oso Parkway Pavement Rehab
 Project Limits: Oso Parkway from Cabot Road to West City limits
 Project Number:
 Type of Work: Road Maintenance
 Additional TOW: Rehabilitation of roadway
 Project Description: Pavement Rehab, CIP 181

FUND NAME	PERCENT	ESTIMATED COST	PROJECTED COST	NOTES
Unfunded	100.00	\$1,750,000	\$2,002,320	
		\$1,750,000	\$2,002,320	

Project Phase	14/15	15/16	16/17	17/18	18/19	19/20	2021	Estimated Cost	Projected Cost
E	\$0	\$0	\$0	\$0	\$0	\$0	\$100,000	\$100,000	\$100,000
R	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C/I	\$0	\$0	\$0	\$0	\$0	\$0	\$1,650,000	\$1,650,000	\$1,902,320
O&M	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$1,750,000	\$1,750,000	\$2,002,320

Agency: Laguna Hills
 Project Name: Paseo De Valencia Improvements
 Project Limits: Paseo De Valencia from Kennington Drive to Laguna Hills Drive
 Project Number: n/a
 Type of Work: Road Widening
 Additional TOW: Add 1 lane to existing roadway in project limits
 Project Description: This project includes widening of Paseo De Valencia from Kennington Dr. to Laguna Hills Dr. Scope includes lane addition, curb & gutter, irrigation/landscaping, traffic signal & striping.

FUND NAME	PERCENT	ESTIMATED COST	PROJECTED COST	NOTES
Unfunded	75.00	\$2,062,500	\$2,112,000	Anticipated ACE funding
Impact Fees	25.00	\$687,500	\$704,000	CARITS
		\$2,750,000	\$2,816,000	

Project Phase	14/15	15/16	16/17	17/18	18/19	19/20	2021	Estimated Cost	Projected Cost
E	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
R	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C/I	\$0	\$2,750,000	\$0	\$0	\$0	\$0	\$0	\$2,750,000	\$2,816,000
O&M	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$2,750,000	\$0	\$0	\$0	\$0	\$0	\$2,750,000	\$2,816,000

Measure M

Seven Year Capital Improvement Program (Sorted by Project Name)
Fiscal Years 2014/2015 through 2020/2021

Agency: Laguna Hills
 Project Name: Paseo De Valencia Pavement Rehabilitation
 Project Limits: Paseo De Valencia from La Paz Road to Cabot Road
 Project Number:
 Type of Work: Road Maintenance
 Additional TOW: Rehabilitation of roadway

Project Description: Pavement rehabilitation including curb and gutter repair, access ramp construction, asphalt concrete overlay, striping, and traffic loops. CIP 176

FUND NAME	PERCENT	ESTIMATED COST	PROJECTED COST	NOTES
Unfunded	100.00	\$575,000	\$659,107	
		\$575,000	\$659,107	

Project Phase	14/15	15/16	16/17	17/18	18/19	19/20	20/21	Estimated Cost	Projected Cost
E	\$0	\$0	\$0	\$0	\$0	\$0	\$25,000	\$25,000	\$25,000
R	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C/I	\$0	\$0	\$0	\$0	\$0	\$0	\$550,000	\$550,000	\$634,107
O&M	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$575,000	\$575,000	\$ 659,107

Agency: Laguna Hills
 Project Name: Public Works Maintenance and Operations

Project Limits: Throughout the City

Project Number: n/a

Type of Work: Other

Additional TOW: Other

Project Description: Public works general operations and maintenance projects throughout the City. These funds to be used in the Operating Budget.

FUND NAME	PERCENT	ESTIMATED COST	PROJECTED COST	NOTES
M2 Fairshare	100.00	\$4,832,282	\$5,204,216	
		\$4,832,282	\$5,204,216	

Project Phase	14/15	15/16	16/17	17/18	18/19	19/20	20/21	Estimated Cost	Projected Cost
E	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
R	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C/I	\$650,000	\$663,000	\$676,260	\$689,785	\$703,580	\$717,652	\$732,005	\$4,832,282	\$5,204,216
O&M	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$650,000	\$663,000	\$676,260	\$689,785	\$703,580	\$717,652	\$732,005	\$4,832,282	\$ 5,204,216

Measure M

Seven Year Capital Improvement Program (Sorted by Project Name)
Fiscal Years 2014/2015 through 2020/2021

Agency: Laguna Hills
 Project Name: Ridge Route Drive Pavement Rehabilitation West segment
 Project Limits: Ridge Route Drive from Santa Vittoria to Moulton Parkway
 Project Number:
 Type of Work: Road Maintenance
 Additional TOW: Rehabilitation of roadway
 Project Description: Pavement rehab of Ridge Route Drive to include pavement removals/rehabilitation, curb and gutter repairs, access ramp construction, asphalt concrete overlay, striping and traffic loops.

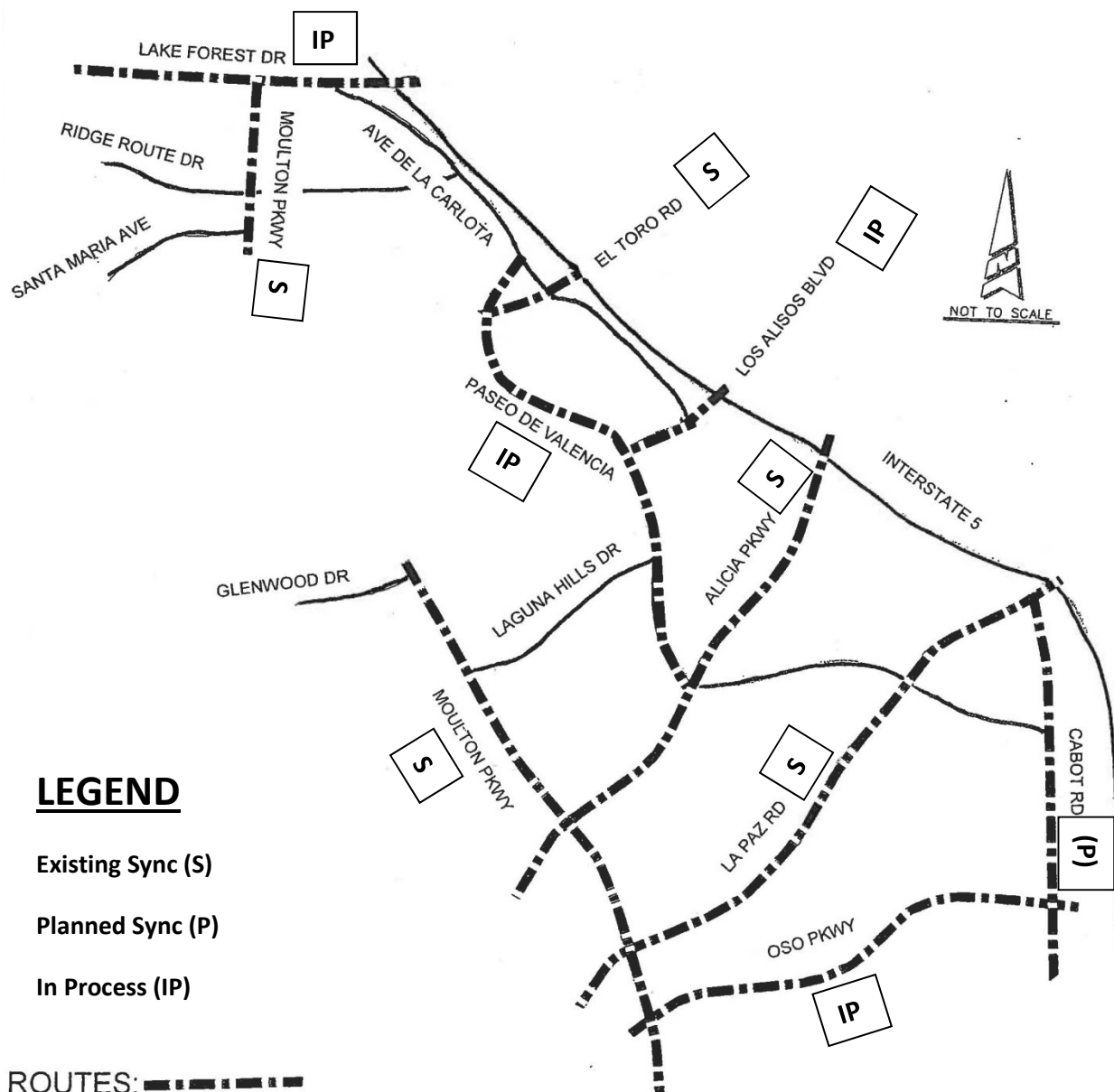
FUND NAME	PERCENT	ESTIMATED COST	PROJECTED COST	NOTES
Unfunded	100.00	\$700,000	\$799,399	
		\$700,000	\$799,399	

Project Phase	14/15	15/16	16/17	17/18	18/19	19/20	20/21	Estimated Cost	Projected Cost
E	\$0	\$0	\$0	\$0	\$0	\$0	\$50,000	\$50,000	\$50,000
R	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C/I	\$0	\$0	\$0	\$0	\$0	\$0	\$650,000	\$650,000	\$749,399
O&M	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$700,000	\$700,000	\$ 799,399

Agency: Laguna Hills
 Project Name: South Moulton Pavement Rehab
 Project Limits: Moulton Parkway from Via Lomas to South City limits (SR-73)
 Project Number:
 Type of Work: Road Maintenance
 Additional TOW: Rehabilitation of roadway
 Project Description: Pavement Rehab, CIP 178

FUND NAME	PERCENT	ESTIMATED COST	PROJECTED COST	NOTES
Unfunded	100.00	\$1,200,000	\$1,372,037	
		\$1,200,000	\$1,372,037	

Project Phase	14/15	15/16	16/17	17/18	18/19	19/20	20/21	Estimated Cost	Projected Cost
E	\$0	\$0	\$0	\$0	\$0	\$0	\$75,000	\$75,000	\$75,000
R	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C/I	\$0	\$0	\$0	\$0	\$0	\$0	\$1,125,000	\$1,125,000	\$1,297,037
O&M	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$1,200,000	\$1,200,000	\$ 1,372,037



CITY OF LAGUNA HILLS TRAFFIC SIGNAL SYNCHRONIZATION PLAN

CITY OF LAGUNA HILLS

July 2014

RADAR TRAILER SCHEDULE

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
					Holiday	
6	7	8 Stageline W/O Hidden Trail 25 MPH	9 Nellie Gail N/O Empty Saddle 25 MPH	10 Mustang W/O Farrier 25 MPH	11	12
13	14	15	16	17	18	19
20	21	22 Nellie Gail E/O Desert Trail 25 MPH	23 Gallup Cir W/O Rangewood 25 MPH	24 Bridlewood S/O Flintlock 25 MPH	25	26
27	28	29	30	31		

Rainy Days Excluded

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7/2/2014

CITY OF LAGUNA HILLS

August 2014

RADAR TRAILER SCHEDULE

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
3	4	Woodbluff W/O Middleridge 25 MPH	5 Lost Colt E/O Beargrass 25 MPH	6 Nellie Gail W/O Rockinghorse 25 MPH	8	9
10	11		12	13	15	16
17	18	Rapid Falls W/O Sundowner 25 MPH	19 Nellie Gail W/O Rockinghorse 25 MPH	20 Stageline W/O Hidden Trail 25 MPH	22	23
24 31	25	26	27	28	29	30